Annual report of the Department of Public Health, Province of Alberta.

Contributors

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ANNUAL REPORT

OF THE

Department of Public Health

PROVINCE OF ALBERTA

INCLUDING

Vital Statistics Branch

1945

PUBLISHED BY ORDER OF THE LEGISLATIVE ASSEMBLY

EDMONTON:
PRINTED BY A. SHNITKA, KING'S PRINTER
1947

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Edmonton, December 20, 1946.

To His Honour,

J. C. Bowen,

Lieutenant Governor of the Province of Alberta.

Sir:

I have the honour to transmit herewith the Annual Report of the Department of Public Health for the year 1945.

I have the honour to be, Sir,

Your obedient servant,

Wallace Warren Cross,

Minister of Health.

Edmonton, December 20, 1946.

To the Honourable Dr. W. W. Cross,
Minister of Health,

Administration Building, Edmonton, Alberta.

Sir:

I have the honour to submit herewith the Twenty-seventh Annual Report of the Department of Health.

I have the honour to be, Sir,

Your obedient servant,

Malcolm R. Bow, B.A., M.D., C.M., D.P.H.,
Deputy Minister.

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TWENTY-SEVENTH ANNUAL REPORT OF THE PROVINCIAL DEPARTMENT OF PUBLIC HEALTH INCLUDING THE VITAL STATISTICS BRANCH

The Department

Divisions:

1. Communicable Diseases.
2. Public Health Education.
3. Hospital Inspection.
4. Laboratory.
5. Entomology.
6. Public Health Nursing.
7. Municipal Hospitals.
8. Social Hygiene.
9. Sanitary Engineering and Sanitation.
10. Dental Services.
11. Cancer Services.
12. Mental Health.
13. Institutions: Provincial Mental Hospital, Ponoka.
    Provincial Auxiliary Hospital, Claresholm.
    Provincial Auxiliary Hospital, Raymond.
    Provincial Mental Institute, Oliver.
    Provincial Training School, Red Deer.
14. Tuberculosis Control and the Central Alberta Sanatorium, Calgary.
15. Vital Statistics.

A Report giving a summary of the work of each of these Divisions is included herewith.

Provincial Board of Health

Four meetings of the Provincial Board of Health were held during the year.

Regulations Passed During the Year

No Regulations were passed this year.

Legislation Passed During the Year

Alberta Pharmaceutical Association Act, 1945 (Chap. 15).

This Act amends and consolidates The Alberta Pharmaceutical Association Act, being Chapter 288 of the Revised Statutes of Alberta, 1942. The major portion of this Act is a re-enactment of the existing Act and only the more important changes are referred to in this note.

The method of election of councillors and qualifications of voters is set out in sections 5 to 9. By section 8 for the purpose of representation on the council, the Province is divided into seven districts and each district is to be represented by a councillor. Only the members resident in a district are entitled to vote for a representative of that district, subject to an exception in the cases of members residing outside the Province. A councillor must reside in the district he represents.

Sections 10 to 17 deal with the procedure to be followed in making nominations and voting.

Important changes are made in the provisions relating to the registrations of members of the Association in the future.

Section 24 (2) sets out the qualification necessary, namely, attending courses in pharmacy at the University of Alberta, and obtaining the degree of Bachelor of Science in Pharmacy and serving such a period of pharmaceutical interneship not exceeding 24 months as may be required by the council in the actual practice of pharmacy. Interneship is dealt with in section 26. This takes the place of apprenticeship and clerkship in the old Act.

There are also some changes in the Schedules to the Act.

This Act came into force on April 6, 1945.

Chiropractic Act, 1945 (Chap. 16).

This Act establishes the Alberta Chiropractic Association as a corporation. The members of the Association shall be the chiropractors now registered under the existing Act, but only those who desire to do so are required to become active members. The others are described as non-participating members. The fees for active members are fixed as not exceeding one hundred dollars and those of non-participating members at not more than twenty-five dollars. New active members' fees also will not exceed twenty-five dollars for the first two years following initial registration.

Provision is made in section 5 (5) for the election of a "Board of Chiropractors" which, under the provisions of the Act, will be the governing body of the Association. The powers of this Board to make regulations are set out in section 6 of the Act. These regulations will not be effective until approved by the Association and the Lieutenant Governor in Council and published in The Alberta Gazette.

Section 7 deals with discipline of members and the Lieutenant Governor in Council is given power, on the recommendation of the Board, to cancel or suspend the registration of a member and to reinstate the registration.

Section 9 deals with the appointment and duties of an Examining Board.

Section 10 sets out the qualifications necessary to entitle a person to apply for registration. Subsection (2) makes special provision for those persons who are attending a chiropractic school when the Act comes into force. Subsections (4) and (5) make special provisions for men discharged from the armed forces, or frozen in their occupations, providing they register at a chiropractic school within two years of discharge or release from the frozen occupation.

Provision is made in section 11 for interim licenses to be issued to qualified persons pending their examination. Subsection (5) provides an appeal to the Lieutenant Governor in Council when the Board has not recommended the registration of the applicant. Provisions are also made for further examinations after failure of a candidate.

Sections 12 and 13 deal with registration and renewal of same and the use of the term "Doctor" when it may and may not be used.

Sections 14 to 18 deal with prosecutions, which must be commenced within two years of the date of the accused offence.

Sections 19 to 24 set out the rights and duties of chiropractors and provide that an action for negligence or malpractice must be brought within six months from the date when the professional services terminated.

Sections 25 and 26 set out certain things that chiropractors are prohibited from doing.

This Act came into force on April 6, 1945.

Coal Branch Hospital District Act (Chap. 17).

This Act incorporates the above Hospital District. The Act generally is based on The Municipal Hospitals Act with changes made necessary by the nature of the district and the small number of ratepayers in the district.

The hospital district is defined in section 3 and is divided into three wards by section 5. The Board is to consist of five members (section 4 (4). The Minister is to appoint a provisional board of five members, three to represent contract holders residing in each ward and two representing ratepayers throughout the whole hospital district. Contract holders, as defined in section 2, will provide a source of revenue similar to that of ratepayers in an ordinary municipal hospital district. They will be required to enter into agreements with the Board to pay annually a sum for the hospitalization of themselves and families and to secure the contracts by orders of their employers. The ratepayers will contribute their share also to the revenue of the district through levy of a rate by the improvement district. The provisional board shall prepare a scheme along the same general lines as under The Municipal Hospitals Act (section 9 of the Act).

Sections 12, 13 and 14 prescribe how the scheme is to be advertised and as to methods of choosing a site for the hospital.

By section 16 the Minister, if he approves the scheme, shall fix a date for polling to ratify or reject the scheme.

Section 17 provides for voters' lists of contract holders and ratepayers.

Section 18 deals with the notice of the poll to be given by the returning officer.

Sections 19 and 20 set out who are entitled to vote on the scheme and the method of voting.

Section 22 prescribes how the site is determined if voted upon and by what vote the scheme is ratified. If the required two-thirds majority does not vote for the scheme, it may be re-submitted to a second poll within twelve months.

Provision is made for the payment of expenses if the scheme is not ratified and for variations in the scheme and alterations in the area of the district after ratification (sections 24 to 27).

Sections 28 et seq deal with the election of the Board. This Board consists of five members, three members elected by wards to represent the contract holders, and one member elected at large to represent the ratepayers, and a fifth member to be appointed by the Minister of Health from among the residents of the district. The elections are to take place at meetings held when and where the Minister directs (section 28). Qualifications for candidates

to represent contract holders and ratepayers respectively are found in section 29.

Sections 30 and 31 provide as to the method of nomination. The qualifications of voters are set out in section 32 and provisions as to the conduct of the poll in sections 33 to 35.

Section 36 applies The Controverted Municipal Elections Act to the election.

Sections 37 to 39 deal with the first meetings of the Board and the tenure of the office of members.

Section 40 deals with the vacating and filling of the office of members of the Board.

Section 41 deals with the conduct of the Board's business, appointment of officers, their duties, etc.

Section 42 deals with the appointment and duties of the auditor.

Miscellaneous powers of the Board are contained in sections 44 to 47.

Section 48 provides for meetings of the contract holders and ratepayers on request of twenty per cent of them.

Section 49 enables the Minister to investigate the affairs of the hospital.

The provisions for temporary loans in sections 50 to 52 follow closely the provisions of The Municipal Hospitals Act. So also do the provisions as to debentures for capital expenditures set out in sections 53 to 58.

Section 59 deals with the first and subsequent estimates of the Board which are required to be submitted to the Board of Public Utility Commissioners each year, who may confirm them or vary them, and confirm them as varied. The Board of Public Utility Commissioners may also vary the proposed distribution of the estimate as between the contract holders and ratepayers.

Section 60 provides that if a minimum tax is fixed for ratepayers they shall only be liable for the difference between it and the total of taxes paid on all parcels of land in the district.

Section 61 provides for a requisition to the improvement district for its proportion of the estimate and for the improvement district levying the amount on the assessable property in the hospital district. The other provisions of this section follow The Municipal Hospitals Act.

Section 64 provides that regulations made by the Lieutenant Governor in Council under The Municipal Hospitals Act shall apply to the Coal Branch Hospital District and Provisions similar to those in The Municipal Hospitals Act are made for the dismissal of the Board for cause and the appointment of an official administrator.

This Act came into force on April 6, 1945.

Lacombe and District Community Hospital, An Act respecting the (Chapter 18).

The above hospital was established by agreement between the Town of Lacombe and the Municipal District of Crown dated April 23rd, 1937, which agreement was validated by chapter 10 of the Statutes of Alberta, 1937 (2nd session). Under that agreement the Municipal District of Crown was obligated to pay to the Town of Lacombe the sum of $2,059.24 annually for a period of fifteen

years. On December 22nd, 1943, the Municipal District of Crown became part of the enlarged Municipal District of Lacombe and the purpose of this Act is to settle the obligation of the new municipal district and its ratepayers to the Town of Lacombe. The effect of the Act is to affirm the above obligation in favour of the Town of Lacombe and to make it clear—

(a) that only the residents of the area described in the Act are entitled to the benefits of the agreement; and

(b) that only the ratepayers of the same area may be taxed to pay the above mentioned obligation to the Town of Lacombe.

This Act came into force on April 6, 1945, and is retroactive to January 1, 1944.

Vital Statistics Act Amendment Act (Chap. 27).

Section 1 of this Act amends the definition of "Registrar General" to include his deputy so that the latter may perform duties assigned by the Act to the Registrar General.

Section 2 enacts a new section 43a which authorizes the Minister to make an agreement with the Dominion Government to supply statistical information. This is made necessary among other things, in connection with the administration of The Family Allowances Act.

This Act came into force on March 28, 1945.

Public Health Act Amendment Act (Chap. 51).

Section 1 of this Act amends section 7 of the Act by adding at the end of paragraph (k) the words set out. This paragraph is included in the matters with respect to which the Provincial Board of Health, with the approval of the Lieutenant Governor in Council, may make regulations. The paragraph now reads: "the location, construction, maintenance and operation of cemeteries." The added words extend the authority to regulate cemeteries by providing for the setting aside of a portion of a cemetery for servicemen and fixing fees in connection with the burial.

Section 2 of this Act introduces a new section 7a dealing with the subject of pasteurization of milk. Cities, towns and villages (except those under three hundred population) are authorized to pass by-laws on this subject requiring milk sold in the municipality to be pasteurized. The by-law must be approved by the Provincial Board of Health and does not apply to milk brought into the municipality by producers and sold to wholesalers, processing plants, etc. Provision is made that the by-law shall not be finally passed unless approved by sixty-five per cent of the electors in a plebiscite. "Elector" is defined as meaning a person entitled to vote for a member of the council.

Section 3 of this Act strikes out section 13c and substitutes a new section 13c. The former section limited the authority of the Provincial Board to require alterations, etc., to a water or sewerage system for the purpose of guarding against injury or danger to the public health. The new section extends this authority to changes necessary to provide a sufficient supply of water at adequate pressure at all times to meet the ordinary needs of occupants of houses connected with the system.

Section 4 of this Act adds two new subsections, (5) and (6), to section 13f. Subsections (1) to (4) of this section deal with the

powers of the Provincial Board of Health with respect to waterworks, water purification plants and sewerage systems in municipalities. The new subsection (5) deals with the power of the Board outside municipalities, that is, outside cities, towns or villages, and provides that where the owner or lessee of land constructs or maintains premises capable of housing one hundred or more persons, the Board may require the installation of a waterworks or water purification plant or a sewerage project. The new subsection (6) makes any works constructed pursuant to the Board's order public utilities and thus subject to the control of the Board of Public Utility Commissioners as to rates.

The amendment to section 13g made by section 5 of this Act is made necessary by the introduction of the new subsection (5) of section 13f.

Section 6 of this Act introduces into the Act a new section 15a which authorizes the Provincial Board to inquire into complaints with respect to the discharge into the atmosphere of dust, vapour, smoke or fumes and the consequent impairment and corruption of the air, and impairment of the comfort or health of the public. The Board is authorized to report to the Minister fixing the responsibility for the above, and advising as to what remedial measures are necessary. Provision is made for the Board requiring a report from the person held responsible as to the equipment necessary to eliminate the injury complained of and its cost. Provision is made by subsection (5) for application to a judge for an order requiring the person responsible to carry out recommendations of the Board and restraining him from continuing the injury until the elimination or alleviation called for by the judge's order have been carried out.

Section 7 of this Act strikes out subsection (1) and (2) of section 25 and substitutes three new subsections. These subsections deal with the organization of full-time health districts. Subsection (1) formerly provided for such districts consisting of a number of municipalities. The new subsection (1) enables one municipality to be organized as a health district, or parts of municipalities to be included in health districts, the change being made necessary by the organization of the enlarged municipal districts. Subsection (2) extends the staff which may be appointed to include a dentist, a nutritionist, and other technical staff where deemed necessary. A health district may now be established with a staff consisting of a medical practitioner, a dentist, one or more trained nurses, a sanitary inspector, a nutritionist, or any of them. The new subsection (2a) provides for dental service where a full-time dentist is not employed.

This Act came into force on March 28, 1945.

Hospitals Act Amendment Act (Chap. 52).

Section 1 of this Act introduces a new definition of "local authority." The new definition is required because the administration of indigent relief in improvement districts has been transferred from the Department of Municipal Affairs to the Department of Public Welfare. The definition also clarifies the position of special areas, which are administered by the Department of Lands and Mines.

Section 2 of this Act strikes out subsection (1) of section 3 and substitutes a new subsection. The subsection struck out author-

ized the payment of a per diem allowance or grant to hospitals of not more than fifty cents for each person treated or admitted to a hospital. The new subsection gives authority to the Lieutenant Governor in Council to fix the allowance without reference to any particular amount and also gives authority to the Lieutenant Governor in Council to exclude certain classes of persons hospitalized in estimating the allowance payable.

The amendment made to section 10 of the Act by section 3 of this Act is made necessary so as to limit the authority of the Minister of Municipal Affairs to cities, towns, villages, municipal districts and improvement districts for purposes of indigent relief being under the Department of Public Welfare as above pointed out.

This Act came into force on April 6, 1945.

Municipal Hospitals Act Amendment Act (Chap. 53).

This Act amends The Municipal Hospitals Act, being chapter 185 of the Revised Statutes of Alberta, 1942.

Section 1 of this Act amends section 2 of the Act. Paragraph (a) is intended to clarify the definition of "Board" in the Act. Paragraph (b) amends the definition of "ratepayer" insofar as tenants of government lands are concerned. Only tenants of government land in a special area will hereafter be classed as ratepayers.

Section 2 of this Act enacts a new subsection to section 5 of the Act. This new subsection affects the case where a petition is received for the establishment of a municipal hospital in an area in which there already is a hospital. It authorizes the Minister with the approval of the Lieutenant Governor in Council to impose conditions with respect to the existing hospital before granting the petition.

Section 3 of this Act amends section 8 of the Act by making it no longer necessary for the Minister to appoint a member of the Provisional Board to represent each improvement district but only as to the number allocated.

Subsection (3) of section 11 of the Act, which is struck out by section 4 of this Act, provided for a scheme including a minimum annual hospital tax commonly known as a poll tax by all persons twenty-one years of age and gainfully employed. This appears to be a duplication as there is already in the section provision for ratepayers paying a minimum tax and non-ratepayers obtaining hospital benefits by certain annual payments.

The amendments made to section 28 of the Act by section 5 of this Act cure an omission in the Act to cover the procedure where a district is disestablished before any vote is taken.

Section 6 of this Act amends section 33 of the Act by changing the date of election in municipal districts to the fourth week following nomination to agree with amendments made to The Municipal District Act at the 1944 session.

Section 7 of this Act introduces a new section 33a which authorizes a municipal council to be represented by one of their number at hospital board meetings, who could take part in discussion but have no vote.

Section 8 of this Act amends section 34 (1) of the Act dealing with qualifications for election to the hospital board. The change made requires a candidate to reside in the ward he wishes to re-

present where the municipality is divided into wards under this Act (Section 11 of this Act).

Secton 9 of this Act enacts a new subsection (1) to section 40 of the Act, dealing with the hospital voters' list. This change is made necessary by the changes made last session in the franchise in elections in municipal districts.

The amendment made to section 41 of the Act by section 10 of this Act makes it clear that the secretary of a municipality must furnish lists of hospital voters, that is, ratepayers even though there is no municipal election.

The amendment made to section 43 of the Act by section 11 of this Act authorizes the hospital board to divide a municipal district into wards for the purpose of electing board members and requires voters to vote in the ward where their property is or in which they reside. The creation of enlarged municipal districts makes these amendments necessary.

The amendment to section 46 made by section 12 of this Act extends the time within mhich the first meeting of the Board shall be held in each year from the fifteenth day of March to the fifteenth day of April.

Section 13 of this Act amends section 48 of the Act.

(a) the words struck out of subsection (1) "or appointed" are now inappropriate as all board members are elected.

(b) the new subsection (3) cures an omission.

Section 14 of this Act also cures an omission in section 49 of the Act. Both these deal with notice of vacancies occurring on the Hospital Board.

The amendments made to section 51 by paragraphs (a) and (b) of section 15 merely provide for a vice-chairman of a board. Paragraph (c) merely changes the name of the "Hospital Association" by striking out the word "Municipal."

Section 16 of this Act strikes out subsection (1) of section 72 and substitutes a new subsection. Frequently it is found that the estimated cost of a hospital which is voted on by the ratepayers is exceeded and the authority of the Board to issue debentures in excess of the amount voted on is extended by the amendment to include cases where the Board of Public Utility Commissioners after inquiry is of opinion that the additional expense is reasonable.

Section 17 of this Act amends section 73 of the Act dealing with estimates and division of the same among contributing units. The amendment provides that the estimates of the Board shall be sent to the Board of Public Utility Commissioners instead of to the Minister and that Board's decision on the total estimates shall be final. The Board of Public Utility Commissioners in settling the estimate may also vary the division of the estimate made by the hospital board among the contributing units. Formerly the Utility Board decided the last mentioned matter if the Minister and the hospital board disagreed. Now it goes direct to the Utility Board. Any twenty-five ratepayers of a contributing unit may apply to the Utility Board to vary the division made by it.

Section 18 of this Act, by striking out subsection (6) of section 75, abolishes the discount given to contributing councils for payment of requisitions before their due date.

Section 19 of this Act amends Form A so as to extend to tenants of Government land in a special area the right to vote on a municipal hospital scheme.

Section 20 of this Act amends Form D by limiting the right of tenants of Government lands to vote, to tenants of land in the special areas.

The change in Form E made by section 21 of this Act authorizes debentures to be issued under which the annual payments are of combined principal and interest.

This Act came into force on March 28, 1945.

Maternity Hospitalization Act Amendment Act (Chap. 54).

This Act adds a new subsection (1a) to section 3 of the Act. Subsection (1) authorizes the Minister of Health to enter into agreements with hospitals for the care and treatment of maternity patients. In certain parts of the Province to the west and north there are no hospitals in the Province where patients can be treated except at great distances. The object of the amendment is to empower the Minister to enter into agreements with hospitals outside the Province which may more conveniently be used.

This Act came into force on March 28, 1945.

Solemnization of Marriage Act Amendment Act (Chap. 67).

Section 4 of the Act, amended by section 2 of this Act, provides that no clergyman shall solemnize a marriage after the publication of banns unless the parties produce to him affidavits to the effect that they are not then infected with a venereal disease or tuberculosis. The amendment changes this requirement by the insertion in the affidavit of the words "to the best of his knowledge."

Section 3 of this Act amends section 8 by requiring payment of the sum of three dollars for a certificate of publication of banns.

Paragraph (a) of section 4 of this Act amends section 14 of the Act and makes the same change with respect to the affidavit on application for a marriage license as is made by section 2 of this Act. Paragraph (b) of section 4 of this Act adds a new provision to section 14, requiring an applicant for a marriage license or for the publication of banns to have a blood specimen taken by a physician within fourteen days before the application or the first publication of banns or before the issuance of the license and a certificate to that effect filed.

Provision is made by the new subsection (5) of section 14 for the Minister, with the approval of the Lieutenant Governor in Council to make regulations providing for dispensing with this certificate under certain circumstances to be set out in the regulations.

The amendment to section 18, made by section 5 of this Act, requires monthly returns to be made by the issuers of marriage licenses instead of quarterly returns as now provided in section 18. The new subsection (2a) added to the section requires a clergyman who solemnizes a marriage after publication of banns to attach to the registration of marriage the certificate of publication of banns, the health affidavit, physician's certificate, etc., and forward them to the District Registrar within three days of the marriage.

The Act is to come into force on July 1st, 1945.

DEPARTMENT OF PUBLIC HEALTH

REVENUE AND EXPENDITURE FOR THE FISCAL YEAR ENDED MARCH 31, 1946

601.	Administration (General)	$ 3,699.86	$ 399.63	.....
602.	Administration (General)	15,755.51	1,302.96	$ 115.03
616.	Administration (Chiropractic Act)	.....	161.25	65.00
618.	Administration (Postage)	.....	2,142.64	.....
636.	Administration (Election of Rep. Municipal Hospital Boards)	.....	127.92	.....
603.	Grants to Approved Hospitals	.....	587,614.90	.....
603.	Expenses Hospital Inspection	4,297.51	569.00	213.00
605.	Communicable Diseases	2,998.00	37,992.54	1,438.75
605.	Sanitary Engineering	8,689.46	4,030.24	2,500.50
606.	Public Health Nursing	70,724.86	19,196.63	13,525.84
607.	Vital Statistics	43,670.50	7,408.45	96,600.79
608.	Municipal Hospitals	3,461.83	1,548.79	.....
609.	Insulin	.....	10,792.93	.....
610.	Social Hygiene	20,573.24	12,898.30	.....
611.	Grants to Orphanges	.....	2,962.50	.....
619.	Grants to University Hospital	.....	20,000.00	.....
621.	Travelling Clinic	.....	.....	92.50
622.	Mental Hygiene	4,195.86	5,514.43	.....
626.	Grants to University Lab.	.....	4,750.00	.....
631.	Poliomyelitis	793.50	21,252.25	.....
633.	Cancer Treatment & Prevention	17,380.86	115,330.47	.....
637.	Maternity Hospital Service	1,071.38	541,204.89	.....
638.	Civil Service Nurse	1,607.00	600.83	.....
639.	Public Health Education	4,294.15	2,210.84	.....
640.	Control of Insect Borne Diseases	5,028.90	5,058.91	.....
641.	Grants to Health Units	.....	52,015.06	.....
	Institutions			
612-1. 613-2.	Prov. Mental Institute, Oliver	228,796.43	124,952.21	107,839.45
612-2.	Prov. Training School, Red Deer	95,929.89	40,443.31	61,143.27
612-3. 613-1.	Prov. Mental Hospital, Ponoka	355,067.88	236,274.90	202,852.13
612-4.	Auxiliary Hospital, Claresholm	16,333.20	13,453.88	9,341.29
612-5.	Auxiliary Hospital, Raymond	19,339.86	13,952.44	7,843.05
604. 604-C	Tuberculosis Control and Central Alberta Sanatorium, Calgary	191,690.78	296,889.51	110,698.90
		$1,115,400.46	$2,183,052.61	$ 614,269.50

Total Expenditure Public Health Department	$3,298,453.07
Less: Public Health Revenue	614,269.50
	$2,684,183.57

Vital Statistics

Vital statistics registered during the year were as follows:

Births	19,939
Marriages	7,310
Deaths	6,454

In all cases in which rates are shown, these are based on an estimated population of 826,000. In the following table the number of births and the birth rate, the number of marriages and the marriage rate, and the number of deaths and the death rate are shown for each of the years from 1940 to 1945:

Year	No. of Births	Birth Rate	No. of Marriages	Marriages Rate	No. of Deaths	Death Rate
1940	17,359	21.84	8,782	11.00	6,203	7.80
1941	17,308	21.70	8,470	10.70	6,385	8.10
1942	18,317	22.70	9,037	11.20	6,091	7.50
1943	19,290	24.30	7,771	9.80	6,524	8.20
1944	19,372	23.70	7,299	8.90	6,320	7.70
1945	19,939	24.10	7,310	8.80	6,454	7.80

The birth rate for 1945 is 24.1, as compared with 23.7 for 1944. The marriage rate for 1945 is 8.8, as compared with 8.9 in 1944. The death rate for 1945 is 7.8, as compared with 7.7 for 1944.

General Health Conditions.

The deaths of 6,454 persons were registered in Alberta in 1945. Of this number, 3,907 were males and 2,547 females. There were 134 more deaths registered than in the previous year. There were 367 deaths from Pneumonia in 1945, a decrease of 12 as compared with the previous year, and 58 deaths from Influenza, a decrease

of 70 as compared with the previous year. Deaths from Pulmonary Tuberculosis numbered 200 in 1945, as compared with 229 the previous year. The chief cause of death is heart disease, 1,643 deaths having been registered as due to this cause, giving a rate of 199.0 per 100,000 population, as compared with the rate of 187.5 for the previous year. Deaths from Cancer registered in 1945 number 830, a rate of 100.5 per 100,000 population, as compared with 781 deaths from this cause and a rate of 95.5 in 1944. Deaths from violence, excluding suicide, number 472, as compared with 484 for 1944, the respective rates being 57.2 and 59.

The infantile mortality rate for 1945 is 43, as compared with 46 for 1944. Special reference to the infantile death rate will be found in another section of this report.

The maternal mortality rate in 1945 is 2.4, as compared with 1.6 for 1944. Further reference to the maternal mortality rate will be found in another section of this report.

Forty-three deaths were reported as due to Whooping Cough for 1945, as compared with 42 deaths from this cause in 1944. Of these 43 deaths, 29 were infants under one year of age. These statistics emphasize the fact that Whooping Cough is a serious disease. All children should be immunized against it, particularly children under 2 years of age. The vaccine required for this purpose is provided free of charge by the Department to physicians and local health authorities.

There were 1,472 cases of Measles, with 6 deaths and 632 cases of Ruebella, with no deaths reported in 1945. There was a marked decline in the incidence of measles in 1945, as compared with the previous year, when 4,771 cases were reported. Detailed information concerning cases of Measles and Ruebella reported will be found in the report of the Communicable Disease Division.

The combined death rate (deaths per 100,000 population) for Diphtheria, Scarlet Fever, Measles and Whooping Cough is 7.1, as compared with 8.6, the rate for 1944.

There were 53 cases of Diphtheria, with 9 deaths reported in 1945, as compared with 57 cases and 5 deaths in 1944. Of the 53 cases reported in 1945, 4 were reported by cities, 10 by towns and villages and 39 by rural districts. The death rate for Diphtheria in 1945 was 1.1, as compared with .6 for 1944. Diphtheria is an entirely preventable disease and there should not be a single death to record from this cause. Diphtheria toxoid for the immunization of children is supplied free of charge by the Department to physicians, local health authorities and local school authorities. All children should be protected during the pre-school period and such re-inforcement of their immunity given as may be found necessary during their school life. With such a programme in effect throughout the province, Diphtheria would be practically eliminated. There are still several areas in the Province in which little has been done by local authorities to protect pre-school and school children against Diphtheria.

In 1945, 1,027 children in outlying districts were immunized against Diphtheria by one of the Health Inspectors on the staff, part of whose time is devoted to this work.

No cases of Small Pox were reported in 1945. Surveys made by the Department in previous years indicate that there are many areas in the Province in which not more than one third of the

pre-school and school children are vaccinated against Smallpox. From the public health standpoint, this constitutes a dangerous situation. In the event that Smallpox should develop in such a community the disease would be almost certain to spread with great rapidity and should the outbreak be of the malignant type of Smallpox, the results would be tragic. Children should be vaccinated against Smallpox within the first six months of life. Vaccination should be repeated at the time the child enters school and need not again be done unless on exposure to the disease in after life. An ounce of prevention is worth many pounds of cure when we are dealing with Smallpox. Smallpox vaccine is provided free of charge by the Department to physicians, local boards of health and local school authorities.

In 1945, 2,109 persons in outlying areas were vaccinated against Small Pox by the Health Inspector in charge of this work. Some of these outlying areas are much better protected against Diphtheria and Smallpox than many of our well settled areas.

In 1945, 1,358 cases of Scarlet Fever with one death were reported, as compared with 2,615 cases and 9 deaths in 1944. The majority of cases were mild, but even in the mild type of the disease complications occur. The more promptly Scarlet Fever cases are recognized and treated, the better for the patients and the communities concerned. The following is a summary of Scarlet Fever cases reported in 1945:

Under 1 year	10
1 to 4 years	317
5 to 14 years	657
15 to 19 years	114
20 years or over	228
Age not stated	32
Total	1,358
Cases reported by cities	596
Cases reported by towns and villages	222
Cases reported by rural districts	540

There were 20 cases of Typhoid Fever and 5 cases of Paratyphoid Fever reported in 1945, as compared with 101 cases and 7 cases respectively in 1944. Two deaths occurred from Typhoid Fever in 1945, giving a death rate of .2, as compared with a death rate of 1 in 1944. Eighty-three cases and 7 of the deaths reported in 1944 were due to a cheese borne outbreak of the disease.

Careful supervision and control of Typhoid Carriers is a matter of vital importance to the public health. The co-operation of local health authorities is essential in the investigation of sources of infection, and also in the supervision and control of carriers. Constant vigilance in the supervision of local water, milk and food supplies is essential. Pasteurization of milk and milk products carried out under proper supervision is a most effective means of safeguarding such products. Pasteurization provides protection not only against Typhoid Fever, but other milk borne diseases as well.

Division of Entomology.

This Division, which was established in May 1944, deals with epidemiological problems associated with insect borne diseases. As in other years, a considerable amount of time was devoted to Plague, Spotted Fever, Tularaemia and rat investigations. Other problems such as mosquito control, D.D.T. investigations, mites as a public health problem, and control of household pests were also given attention.

In 1945, 1,740 drag ticks were taken in 26 collections and 792 host ticks in 39 collections. Rocky Mountain Spotted Fever infection was found in one section. Five hundred and eight persons in the Redcliffe District, 425 persons in the Manyberries District and 109 persons in the Thelma District were vaccinated against Rocky Mountain Spotted Fever.

During the Slavatic Plague survey, a total of 99 collections consisting of 1,227 animals, mostly ground squirrels, were made and these animals yielded 3,217 fleas and 85 tissue specimens. Twelve flea collections and 2 tissue specimens were reported positive. All of these plague positive collections were from new areas.

During the year the study of the Tularaemia situation in Alberta, to which reference was made in the report for 1944, was continued. In 1945 no human cases of Rocky Mountain Spotted Fever or Tularaemia were reported.

The information obtained in the survey of the distribution of rats in western Canada and the north-western United States, to which reference was made in the report for 1944, is being studied and compiled and it is hoped to present the same in the form of a report in the near future. A vast amount of data has been obtained which indicates that rats are definitely established east, west and south of the Alberta border.

Educational work in regard to the prevention and control of insect borne diseases was carried on along the same general lines as in previous years. The two films, one on Slavatic Plague and the other on Rocky Mountain Spotted Fever, which were produced during the previous year, were used to good advantage and aroused much interest in this work wherever they were shown.

Through a travel grant made available by the International Health Division of the Rockefeller Foundation, Mr. J. H. Brown, Public Health Entomologist, had an opportunity to visit 38 States and 12 Universities in which laboratory investigations and field activities were studied in detail. We are much indebted to the International Health Division of the Roskefeller Foundation for their kind assistance in making this travel grant available to Mr. Brown and for their co-operation in arranging his itinerary.

The assistance of the Department of Pensions and National Health in providing the Laboratory service which is essential in this work is gratefully acknowledged. More detailed information concerning the work of the Division of Entomology will be found in the report of this Division.

Poliomyelitis.

In 1945, 19 cases of Poliomyelitis were reported and no deaths occurred from this cause. The cases reported were sporadic.

Under the provision made for free treatment of patients suffering from paralysis due to Poliomyelitis, 17 patients were admitted to the University Hospital, Edmonton, and 3 to the Junior Red Cross Hospital in Calgary.

Assistance was extended by the Department to enable 18 patients to complete academic and secretarial courses, and to take vocational training.

Influenza and Pneumonia.

In 1945, 58 deaths occurred from Influenza, as compared with 128 deaths from this cause in 1944. Three hundred and sixty-seven

deaths occurred from Pneumonia in 1945, as compared with 379 in 1944. There were 82 fewer deaths from Influenza and Pneumonia registered in 1945 than in 1944.

With early diagnosis and prompt treatment by a physician with the drugs now available, the present death rate from Pneumonia could be materially lowered.

Tuberculosis.

During 1945, 263 deaths were reported from Tuberculosis, as compared with 291 deaths in 1944. The death rate for all forms of Tuberculosis, excluding deaths which occurred among Indians and Metis population, numbered 127 in 1945, 14 less than the number reported in 1944, giving a death rate of 15.4 (per 100,000 population).

Diseases of the Heart and Circulatory System.

Diseases of the heart accounted for 1,643 deaths in 1945, as compared with 1,534 in 1944. These 1,643 deaths represent 25.4% of the deaths from all causes reported for the year, giving a death rate of 199 (per 100,000 population), as compared with 187 in 1944.

Diseases of the arteries were reported as the cause of 138 deaths in 1945, as compared with 121 in 1944. As mentioned in previous reports, due to the aging of our population there has, in recent years, been a steady increase in the number of deaths due to diseases of the heart and circulatory system. Included in these deaths are many which could be classed as preventable. If periodic medical examinations of children as well as adults were regularly carried out, many heart conditions would be discovered in the early stages and persons showing evidences of such conditions could be directed how to adjust their mode of living. Periodic medical examinations for children and adults would frequently reveal foci of infection which are sometimes factors in the development of diseases in the heart and arteries and would reveal many other conditions which might be the forerunners of chronic and disabling diseases. Early recognition and the prompt attention of a skilled physician would prevent much disability and prolong many lives.

Cancer.

There were 830 deaths registered as due to Cancer in 1945, an increase of 49 over the previous year. The death rate from Cancer in 1945 is 100.5 (per 100,000 population), as compared with 95.5 in 1944. As mentioned in last year's report, the trend in the Cancer death rate is upward. Cancer occupies second place in the list of causes of death in this Province and in 1945 accounted for 12.8% of the total deaths registered in the Province. It is important to again emphasize the necessity of early recognition and prompt and effective treatment of Cancer by competent physicians. If all our people could be made to realize that their lives may depend on their awareness of this fact, many deaths due to Cancer would be prevented.

Educational work has been carried on along the same general lines as in previous years. The Division of Cancer Services co-operated with the Alberta Branch of the Canadian Society for the Control of Cancer and the Alberta Division of the Canadian Medical Association, in this educational work.

The two Diagnostic Clinics, one in Edmonton and the other in Calgary, had a busy year. In addition to the diagnostic services

provided by these clinics, X-ray and radium treatment, as well as surgical treatment were authorized for such patients as, in the opinion of the Clinic staff, would be likely to benefit by such treatment. Hosptial care is provided where, in the opinion of the Cancer Clinic, the admission of a patient to hospital is necessary for the purpose of establishing a diagnosis. Hospitalization is provided by the Department for such period of time, not exceeding 14 days, as may be required to establish a diagnosis.

The following is a brief summary of the work done by the Diagnostic Clinics in 1945:

EDMONTON CLINIC:		
Examinations of new patients	1,192	
Re-examinations	1,098	
		2,290
CALGARY CLINIC:		
Examinations of new patients	602	
Re-examinations	440	
		1,042
Total of both Clinics		3,332

Of the new patients examined at the Clinics, 61% were found to be suffering from Cancer. There were 739 patients referred for diagnosis by X-ray, 765 patients were given radium or X-ray treatment and 785 patients were referred for surgical treatment.

Deaths Due to Violence.

Deaths reported as due to violence (excluding suicides) numbered 472 in 1945, as compared with 484 in 1944, representing 7.3% of the total deaths registered in the Province for the year and giving a death rate of 57.2 (per 100,000 population) as compared with 59.1 in 1944.

There were 76 suicides in 1945, as compared with 58 in 1944.

Highway accidents accounted for 82 deaths, of which 69 were due to automobile accidents. Highway accidents constitute an important cause of death and also result in serious disabilities involving great expense for a large number of people.

There were 37 deaths reported from drowning in 1945, as compared with 49 deaths in 1944. The great majority of such deaths are preventable. The need of more effective educational work in this field is evidenced by these statistics. It is necessary to again direct attention to the number of deaths which result from the destruction of homes by fire in which, in many cases, parents are absent from the home and have left no responsible persons in charge. A number of cases are on record in which several children have been burned to death under these tragic circumstances.

In the following table the deaths due to violence are classified:

Suicides	76	Injury by animals	8
Homicides	12	Hunger or thirst	1
Railway accidents excluding motor vehicles	8	Excessive cold	9
Motor vehicles accidents	69	Excessive heat	0
Street Car and other transport accidents	13	Lightning	2
Water Transport	8	Food poisoning	1
Air Transport	17	Accidental absorption of poisonous gas	6
Accidents in mine and sand quarries	24	Acute accidental poisoning of solids or liquids	18
Agriculture and forestry	33	Conflagration	24
Other accidents involving machinery	13	Accidental burns (conflagration excepted	17
Accidental mechanical suffocation	11	Accidents due to electric currents	2
Accidental drowning	37	Other accidents	26
Accidental injury by firearms	16	Legal executions	0
Accidental injury by cutting or piercing instruments	4		
Accidental injury by fall or crushing	93		548

Infantile Mortality.

There were 862 deaths of children under one year of age registered in 1945, as compared with 889 such deaths in 1944, a decrease of 27 deaths. The infantile mortality rate for 1945 is 43, as compared with 46 for 1944.

Of the 862 deaths of children under one year of age in 1945, 507 or 58.9% occurred within the first month of life, of which number 404 occurred within the first week and 250 on the first day of life. In the expansion of our preventive health services, and through the organization of additional Full Time District Health Units, lies the solution of this problem. In Districts in which Full Time Rural Health Units have been in operation for a period of years, the infantile death rate falls to the level of that for the cities of the province with full time public health services. It is the policy of the Department to establish these additional District Health Units as the public health personnel required for this purpose can be recruited.

Maternal Mortality.

The maternal death rate (deaths per 1,000 living births) in 1945 was 2.4, as compared with 1.6 in 1944. The average maternal death rate for the past 5 years is 2.4. The rate for 1944 is the lowest ever recorded in the Province.

The following are the chief causes of maternal deaths registered in 1945:

Abortion with mention of infection	7
Abortion without mention of infection	3
Ectopic gestation	0
Haemorrhage or pregnancy, death prior to delivery	1
Toxaemia of pregnancy, death prior to delivery	2
Other diseases and accidents of pregnancy, death prior to delivery	0
Haemorrhage of childbirth and puerperium	6
Infection during childbirth and the puerperium	17
Puerperal toxaemias following delivery	4
Other accidents of childbirth	5
Other and unspecified conditions of childbirth and the puerperal state	3
Total	48

If present knowledge concerning maternal hygiene were generally applied the maternal death rate could be maintained at a minimum level, and a great deal of invalidity, both preceding and following childbirth, could be prevented.

We can look forward with confidence to further reductions in our maternal and infant death rates as we go forward with the expansion of full time rural health services in the Province. Of the births registered in the Province in 1945, 93.8% occurred in approved hospitals.

Full-time Rural Health Units.

The work of the 9 Rural Health Units, namely, Red Deer, Foothills, Stettler, Rosebud, Lamont, Sturgeon, Clover Bar, Holden, and Two Hills has been conducted along the same lines as in recent years. Owing to the enlistment of Medical Officers of health and the impossibility of finding replacements, it has been necessary to arrange for part-time services of Local Medical Officers of Health in six of the District Health Units. Constant changes in the staff of public health nurses have continued and have created difficult problems for the District Boards of Health of the various Health Units. In addition to the 7 new health units established in 1944,

with one public health nurse in charge of the service in each, one additional such unit was established in 1945, namely, Wainwright Health Unit. Owing to the shortage of public health nurses it has not been possible to increase the number of such nurses in these new units, but it is hoped that as soon as the medical, nursing and other technical staff required is available, to bring the staff of each of these new health units up to strength. An adequate staff, properly trained, is essential in developing an effective preventive public health program. The activities of full time district health units include health education, the prevention and control of communicable diseases, child and maternal hygiene, mental hygiene, school hygiene, supervision of water and milk supplies, food inspection, records and statistics, general sanitation, etc.

Health Education.

Health Educational work is carried on through the publication of bulletins, articles in the press and by means of lectures, radio talks, movies, health exhibits and demonstrations. Thirty-two Departmental bulletins and pamphlets and approximately 130 publications issued by various organizations are distributed by the Department. During the year, more than 60,000 bulletins and pamphlets were distributed and the Supervisor in charge of health educational work gave many lectures.

Health educational services are also carried on by the other divisions of the Department and occupy an important place in the activities of these divisions. Dr. H. Siemens, Medical Officer of Health of the Sturgeon Health Unit and the Clover Bar Health Unit, conducted a Nutrition Camp for housewives at Elk Island ark during the month of August. This camp was designed to train leaders in the development of a community nutrition program. The camp was well attended and great interest was shown in the nutrition course.

As in former years, there has been a great demand for literature on nutrition and the same has been distributed by the Health Education Division. Much material on nutrition has been supplied to the Department by the Nutrition Division of the Department of National Health and Welfare and this material has been found of great value.

Public Health Nursing.

There are 41 nurses on the staff of the Department (this number does not include public health nurses serving in District Health Units). One of these is in charge of the Child Hygiene Clinic serving the Edmonton District, one in charge of the Child Hygiene Clinic serving the Calgary District, one in charge of the Clinic serving the Medicine Hat and Redcliff Districts and one in charge of the Clinic serving the Drumheller District. One nurse serves the Municipal District of Norma and the Town of Vegreville. There are 36 District Nurses stationed in outlying districts remote from medical and hospital facilities. These nurses are giving outstanding service.

There were 570 child hygiene clinics held in Edmonton, Calgary, Bowness, Medicine Hat, Redcliff, Drumheller and Vegreville, with a total attendance of 23,372 infants and pre-school children.

A summary of the work of our District Nurses is shown in the following table:

No. of homes visited	6,220	No. of pre-natal consultations	1,450
No. of office visits	26,276	No. of child welfare visits	488
No. of dressings	4,391	No. of cases referred to Doctors	1,161
No. of medical cases	15,530	No. of Smallpox vaccinations	5,523
No. of surgical cases	2,768	No. of Diphtheria, Whooping Cough and Typhoid inoculations	31,504
No. of obstetrical cases	168	No. of communicable disease cases	1,208
No. of abortions	82		
No. of pre-natal visits	564		

In addition to the 41 nurses employed on the staff of the Department, there are 25 Public Health nurses serving on the staff of District Health Units. In spite of the difficult problems which have arisen, as a result of the shortage of Public Health nurses, every effort has been made by the staff to carry on their work in an efficient manner.

Travelling Clinics.

Owing to the impossibility of obtaining the medical, dental and nursing staff required, the travelling clinic was not in operation in 1945.

Social Hygiene.

Seven Clinics were conducted by the Division of Social Hygiene, one in each of the four large cities and one each at High Prairie, McLennan and Peace River. In addition the Clinic is held in each of the Provincial Gaols at Lethbridge and Ft. Saskatchewan. New cases under treatment in all Clinics during 1945 were as follows: Syphilis—187, Gonorrhoea—1,039, making a total of 1,226.

Educational work in connection with venereal disease control has been carried on along the same general lines as in previous years. With the employment of additional personnel, we have expanded our field work and have developed a more intensified follow-up programme.

Approximately 80% of the alleged series of infection have been traced and, where necessary, treated as a result of the activities of the staff engaged in this work.

Splendid co-operation has been given by physicians, various local boards of health, the Royal Canadian Mounted Police and local police authorities in this work. We have also had excellent co-operation from the Military, Naval and Air Force authorities, as well as from the American authorities. Periodic staff conferences attended by representatives of various civilian, Air Force, Military and Naval authorities have proven of great value.

Provincial Laboratory.

The staff of the Provincial Laboratory made 146,593 examinations in 1945, an increase of more than 25,000 examinations as compared with the previous year. The need of a new Provincial Laboratory building is urgent, in order to provide the laboratory space necessary for the rapidly expanding work of the laboratory.

The work of the Provincial Laboratory includes examinations of water, ice, sewage, milk, food, various examinations in connection with communicable disease control, examinations of pathological material submitted by hospitals, medico-legal examinations, and many others.

The vaccines and sera used for the prevention and treatment of various communicable diseases are distributed by the Provincial Laboratory.

The estimated value of the work done by the laboratory in 1945 on the basis of minimum charges only, is $212,735.95.

All public health laboratory service is provided free of charge with the exception of serological tests made for the Armed Services, the charge for which is based on the actual cost.

Sanitary Engineering and Sanitation.

Plans and specifications submitted to the Provincial Board of Health for waterworks, sewerage and sewage disposal plans were examined and, where approved, certificates were issued for the same, as required under the provisions of the Public Health Act.

During the year, 2,112 reports of analyses of water, ice and milk samples were received from the Director of the Provincial Laboratory and the necessary steps taken to deal with matters which required attention.

The work of the Plumbing Inspector has been carried on as in previous years. Plumbing fixtures installed in the Province during the year under the inspection of Local Boards of Health and the Provincial Board of Health have been as follows:

Water Closets	5,552	Baths and Showers	4,075
Lavatory Basins	5,017	Sinks	4,944
Laundry Tubs	188	Miscellaneous fixtures	575

This service of the Provincial Plumbing Inspector is an important one and meets a great need in districts in which adequate local supervision of plumbing installations and repairs is not available.

Once again I would direct attention to the responsibility of local municipal authorities for the safety of public water supplies. Water from streams, irrigation ditches and other such sources is unsafe for human consumption. Any municipal authority which permits the use of such water is almost certain, sooner or later, to experience a serious outbreak of water borne disease.

I wish to also direct attention to the responsibility of municipal authorities for the control of milk supplies. Municipalities which permit the use of contaminated water and the sale of unsafe milk are inviting serious trouble. Constant vigilance is the price of safety.

There were 95 complaints and requests for investigations received from various municipalities and referred to the Sanitary Inspectors for attention. Fifty-one inspections of lumber, tie, sawmill and mining camps were made during the year. As our District Health Unit services are extended, we will be in a position to expand our Sanitary Inspectors staff and thus provide more complete service in the towns, villages and rural areas included in those health units.

Dental Hygiene.

Owing to the acute shortage of dentists in the Province, it has not been possible to provide dental service in outlying districts by means of the Travelling Clinic. Every effort has been made to provide essential dental services in the various institutions with the dental staff it has been possible to obtain. The Department hopes, as soon as more dentists become available, to appoint a full time dentist on the staff of the Provincial Mental Institute, at Oliver.

A report of the dental work of the various institutions will be found in the reports of these institutions.

Hospital Inspection.

In 1945, 96 approved hospitals received the Government Grant under the provisions of the Approved Hospitals Act, 92 private hospitals (largely Nursing Homes and Baby Shelters) were licensed.

The total number of operations reported by hospitals in 1945 was 54,501.

On the basis of returns received from 95 approved hospitals, the total bed capacity, including cribs, was 5,040. Total bed complement 5,222 and in addition 956 bassinets.

On the basis of a population of 826,000, there is one hospital bed available, including cribs and bassinets, for every 119 of our population or 8.3 beds per 1,000 population. Excluding bassinets, there is one hospital bed available for every 139 of our population or 7.1 beds per 1,000 population.

Construction of the following hospitals was begun in 1945: Oyen Municipal Hospital, Mayerthorpe Municipal Hospital, Ponoka Municipal Hospital, Two Hills Municipal Hospital, Three Hills Municipal Hospital, Elnora Municipal Hospital.

There were 38 municipal hospitals in operation in 1945, providing accommodation for 1,289 patients. During the year 32,190 patients received treatment in these 38 municipal hospitals, representing 23.3% of all patients receiving treatment in all approved hospitals.

The acute shortage of nurses, to which reference was made in previous years, has continued and has created serious problems for the hospitals, particularly for the smaller hospitals. The hospital authorities have made every effort to deal with this difficult situation. The marked increase in the costs of hospital supplies and equipment, and the difficulty in obtaining adequate supplies have also been problems for many hospital boards.

Division of Tuberculosis Control.

The number of treatment beds available for Tuberculosis is 500 in 1945, the same number as in 1944. The patient days for all sanatoria for 1945 totalled 143,351, as compared with 142,766 in 1944.

During the year the Tuberculosis Division provided diagnostic service for 114,000 people, including those examined by the mobile X-ray units.

There were 1,056 new cases of Tuberculosis reported in 1945. Of these, 38.1% were considered active, 50% inactive and 11.9% non-pulmonary.

The 931 new cases of active and inactive pulmonary Tuberculosis were classified as follows:

Minimal	613	65.9%
Moderately advanced	225	24.2%
Far Advanced	74	7.9%
Pleurisy	19	2 %

There were 392 new patients admitted to the sanatoria in 1945.

During 1945, 5,172 medical examinations were made by the medical staff of the Tuberculosis Division. Eight tuberculosis clinic centres were in operation and our travelling diagnosticians visited 2 additional centres during the year. It is hoped that priorities will be such that it will be possible to proceed with the construction of the new Sanatorium in Edmonton in the near future.

At the request of the Indian Affairs Branch of the Federal Government, 1,282 school and 747 non-school children were X-rayed and all who showed abnormal X-ray films were medically examined. By this means 119 new cases of tuberculosis were found. The need of a complete programme for the control of tuberculosis among the Indian population is urgent. In view of the very high death rate from this disease in the Indian population, the Department has co-operated in every way possible with the Indian Affairs Branch of the Federal Government in making diagnostic and treatment services available to Indian patients requiring the same. The Department has been fully re-imbursed for all funds expended in providing this service. An additional Mobile X-ray Unit completely equipped was presented to the Department by the Alberta Tuberculosis Association and put into operation in the Spring of 1945. With this additional Unit available, the number of X-ray examinations made has increased from 60,186 in 1944 to 103,253 in 1945. The Department desires to express its sincere appreciation to the Alberta Tuberculosis Association for making these completely equipped X-ray Units available. They have proved of the greatest value in the campaign against tuberculosis.

The Alberta Tuberculosis Association has carried on its programme of rehabilitation of tuberculosis patients as in past years. Through the assistance extended by the Association a number of persons have received training, both in academic and vocational work and many have subsequently obtained remunerative employment. This type of programme meets a real need, and we understand plans are underway for a considerable extension to present activities in this field.

Mental Health Division.

On January 1st, 1945, there were 2,985 patients in all the Mental Institutions and on December 31st, 3,057 patients, an increase of 72 patients for the year or 2.4%. The rate of hospitalized mental patients to general population has increased from 156 per 100,000 population in 1921 to 370 in 1945.

There were 465 patients with psychoses, 69 patients without psychoses, and 53 mental defectives admitted to the Provincial Mental Hospital at Ponoka; 280 patients with psychoses, 94 patients without psychoses, and mental defectives were discharged; 79 deaths occurred during the year, of which number 57 were deaths of male patients and 22 of female patients.

There were 201 patients transferred from the Mental Hospital at Ponoka to other mental institutions, including 140 male patients transferred to the Provincial Mental Institute, Oliver, and 61 female patients transferred to the Provincial Mental Institute, Oliver, and to Claresholm and Raymond Auxiliary Mental Hospitals.

There were 1,071 patients in the Provincial Mental Institute, at Oliver, at the beginning of 1945 and 1,248 at the end of the year. During the year, 216 patients with psychoses, 14 patients without psychoses and 25 mental defectives were admitted; 23 patients with psychoses were discharged; 46 deaths of patients with psychoses and one death of a patient without psychoses occurred during the year. Of the 255 patients admitted to Oliver in 1945, 195 were patients transferred from the Provincial Mental Hospital, Ponoka, and the Provincial Training School at Red Deer.

In the Auxiliary Mental Hospital at Raymond there were 109 women patients on January 1st, 1945, and 117 at the end of the year. During the year 14 patients were admitted, 4 discharged and 2 deaths occurred.

Completion of the new farm dormitory at the Provincial Mental Institute, Oliver, and the occupation of same by 106 patients of the quiet senile type was a significant development in 1945. In addition the third floor of the women's building was opened in July, making available accommodation for 44 of the less refractory type of patient who were transferred from Ponoka.

During the year, 22 patients were admitted to the Training School for mental defectives at Red Deer, 16 were discharged, 1 transferred and 9 deaths occurred. There were 273 patients in residence at the beginning of the year and 269 at the end of the year. The provision of further accommodation for mental defectives and the most effective way of taking care of this need, is receiving the consideration of the Department.

Guidance Clinics.

Guidance Clinics were conducted at the following centres in 1945: Edmonton, Calgary, Lamont and Red Deer. In addition many clinic cases were seen in consultation at the Provincial Mental Hospital, Ponoka.

Patients are referred to the Guidance Clinics by local authorities and school authorities, physicians, magistrates, child welfare and other social agencies. Parents frequently visit these clinics for the purpose of obtaining information and advice in regard to mental hygiene problems with which they are concerned in the home and community. As soon as it is possible to obtain the additional trained personnel required, the Department plans on the extension of this service to a number of other centres.

Great credit is due to the physicians and social workers engaged in this work who have given outstanding service throughout the war years, as well as during the post-war period.

During the year, 60 Guidance Clinics were conducted, 253 new cases were presented and 695 follow-up cases were dealt with. Since the inception of this service in 1929, 5,498 cases have been examined.

Eugenics Board.

The work of the Eugenics Board is carried on under the authority of the Sexual Sterilization Act, R.S.A. 1942. Five meetings of the Board were held in 1945. During the year, 121 cases were presented to the Board. Since the Sexual Sterilization Act was proclaimed in 1929, 2,187 cases have been presented to the Board. During 1945, 18 male cases and 30 female cases were sterilized. The total number of cases operated on to the end of December, 1945, is 1,005, 399 male and 606 female. All operations were performed at the Provincial Mental Hospital, Ponoka.

The Department desires to express its appreciation of the careful attention given by the members of the Eugenics Board, the honorary surgeons and the staff of the various provincial mental institutions and Guidance Clinics in the discharge of their responsibilities.

Detailed information concerning the activities of the institutions, Guidance Clinics, and Eugenics Board will be found in the reports of these services.

Board of Visitors.

The Board of Visitors, composed of Dr. J. M. MacEachran, Dr. E. L. Pope, Dr. E. G. Mason and Mrs. J. W. Field, visited the following institutions during the third week of September, 1945: Provincial Mental Institute, Oliver; Provincial Mental Hospital, Ponoka; Provincial Training School for mental defectives, Red Deer; Provincial Auxiliary Mental Hospital, Claresholm; Provincial Auxiliary Mental Hospital, Raymond and Central Alberta Sanatorium, Calgary.

A comprehensive report has been submitted by the Board on their visit to these institutions. This Department desires to express to the members of the Board its sincere appreciation of the service they have rendered.

General Administration.

A statement of revenue and expenditure for the year ending March 31st, 1945, will be found on Page ..... of this report. An analysis of this statement shows that the total expenditure for all activities of the Department was $3,298,453.07. The total revenue was $614,269.50. The net expenditure of the Department was $2,684,183.57. The sum of $1,144,644.00 was expended for the maintenance and operation of the mental institutions coming under the administration of the Department. The sum of $488,580.29 was expended in the maintenance and operation of the Central Alberta Sanatorium at Calgary, and in providing hospital accommodation for tuberculosis patients in Edmonton and other hospitals and in providing other diagnostic and treatment services for tuberculosis patients. The sum of $607,614.90 was expended in grants to approved hospitals, $541,204.89 for the provision of free maternity hospitalization, $132,711.33 in cancer diagnostic and treatment services, $89,921.49 in providing public health and district nursing services, $52,015.06 in grants to full time district health units, $33,471.54 in venereal disease prevention and control. Expenditure for other activities are listed in the above mentioned statement of revenue and expenditure.

The Department plans to go forward with its programme for the expansion of preventive health services as the trained staff required for this purpose becomes available.

In concluding this summary of the activities of this Department for the year 1945, I desire to place on record my sincere appreciation of the fine co-operation and the splendid service rendered by the Directors and members of the staff of all divisions, including the Superintendents of our provincial institutions and the members of institutional staffs. No praise could be too great for the manner in which the officers and employees of the Department have discharged the responsibilities they have been called on to assume.

Respectfully submitted,

MALCOLM R. BOW, B.A., M.D., C.M., D.P.H.,
Deputy Minister of Health.

Communicable Disease Division

(A. Somerville, B.A., M.D., D.P.H., *Director*)

This Division is responsible for the collection of statistics and information relating to communicable diseases and for the dissemination of that information to Medical Officers of Health, to the Dominion Government and to others to whom it may be of value. Work relating to tuberculosis and venereal diseases is carried on by other divisions. This Division is directly responsible for the control of communicable diseases in the unorganized parts of the Province and indirectly through the local boards of health for the balance of the Province. Its services are also available in an advisory capacity to local boards of health in case of epidemics.

In the outlying portions of the Province, a Provincial Health Inspector is sent out each summer, who provides an inoculating programme to those communities. Because of the scattered population, this work takes more time than the figures indicate.

WORK DONE BY THE PROVINCIAL HEALTH INSPECTOR

Communicable Disease Lectures	14
Places visited	71
Inoculated against Diphtheria	2,003
Inoculated against Whooping Cough	976
Vaccinated against Smallpox	2,109

An inoculating programme is also carried out in the south-eastern corner of the Province to protect people against Rocky Mountain Spotted Fever. Information regarding the work of Mr. J. H. Brown, Public Health Entomologist, and his associates in survey work related to Bubonic Plague and to Rocky Mountain Spotted Fever appears elsewhere.

Typhoid Fever

(Cases 37, Deaths 2)

The thirty-seven cases of typhoid reported this year were scattered widely as to time and place. Two cases appeared at Bonnyville and a small epidemic of four cases occurred at Provost. This latter epidemic appeared to result from the mishandling of sewage as it was pumped from a cesspool. One of these cases still remains as a carrier.

A carrier was found as the result of a case in her own granddaughter and four months later this carrier was the source of a second case because of her failure to inform hospital authorities that she was a carrier.

Three other cases occurred because of drinking water from the Old Man River. The source of this infection was presumed to be from the City of Lethbridge, some 75 miles upstream. This accounts for 11 cases. The balance were scattered as to time and place. A total of 19 carriers appear on our records, four new ones being discovered during 1945.

There were five cases of Paratyphoid B reported and one carrier was found.

Pulmonary Tuberculosis

(Cases 1,032, Deaths 200)

Tuberculosis still is our top ranking communicable disease in spite of a steady improvement in the situation. The travelling X-ray units are increasing the number of cases found, thus getting them into the Sanatorium and under control more quickly and improving the ratio of cases to deaths. The control programme for this disease is handled by the Tuberculosis Division and further information can be found in their report. Over 50% of tuberculosis deaths in Alberta are among Indians who are the responsibility of the Dominion Government. If the Indians are excluded from the reckoning, Alberta's mortality rate from pulmonary tuberculosis is 12.2 per 100,000, an exceedingly low rate.

Whooping Cough

(Cases 694, Deaths 43)

The figures for 1945 are almost identical with those for 1944. Except for tuberculosis, it is our worst communicable disease. As in former years the great majority of these deaths are among our Indian population.

Measles

(Cases 1,472, Deaths 6)

This was about an average year for measles, a disease for which our control measures are very inadequate.

Acute Anterior Poliomyelitis

(Cases 20, Deaths 0)

The year 1945 was a typical non-epidemic year with one of the lowest case rates in recent years and with no deaths. These cases were well scattered over the central part of the Province.

Scarlet Fever

(Cases 1,358, Deaths 1)

The number of Scarlet cases at 1,358 is about average for the Province in recent years, but one death is the lowest in the history of the Province. This disease continues to be a serious problem because of its complications, rather than because of the disease itself.

Smallpox

(Cases 0, Deaths 0)

This is the second year with no cases of smallpox. The figures of one case in 1941, one in 1942 and two in 1943 are very questionable. If one accepts this hypothesis there has been no smallpox in Alberta since 1939. This is good luck rather than good management, as the vaccination programme in the area of the Province outside our larger cities and rural health units is not very thorough.

Diphtheria

(Cases 53, Deaths 9)

This is the fourth year in which we have had a number of diphtheria deaths that is well above the ten year median and the number of deaths is also high. It is regretable that with our preventive measures, which are almost 100% effectual, these cases should still occur. The number of carriers found is also above normal.

TABLE 1

COMMUNICABLE DISEASE CASES AS REPORTED FOR 1944 AND 1945

	1944	1945		1944	1945
Actinomycosis	4	3	Rocky Mountain Spotted Fever	2	....
Anthrax	....	....	Rubella	384	632
Acute Anterior Poliomyelitis	107	19	Scarlet Fever	2615	1358
Acute Septic Throat	10	28	Smallpox	....	....
Chickenpox	3512	3120	Tetanus	....	....
Diphtheria	57	53	T. B. Meningitis	8	....
Diphtheria Carriers	46	12	Pulmonary Tuberculosis	813	1032
Encephalitis	1	2	Non-Pulmonary Tuberculosis	32	32
Erysipelas	6	8	Trachoma	....	3
Measles	4771	1472	Tularaemia	5	....
Meningococcic Meningitis	18	13	Typhoid Fever	101	37
Mumps	2025	3988	Undulant Fever	15	13
Ophthalmia Neonatorum	....	....	Whooping Cough	757	694
Partyphoid Fever	7	5			

TABLE 2

TOTAL DEATHS DUE TO COMMUNICABLE DISEASES IN THE PROVINCE OF ALBERTA FOR 1944 AND 1945

	1944	1945		1944	1945
Pneumonia (all forms)	379	367	Meningococci Meningitis	5	3
Influenza (all forms)	128	58	Typhoid	8	2
Pulmonary Tuberculosis	229	200	Acute Anterior Poliomyelitis	1	....
Tuberculosis (all other forms)	62	63	Measles	10	6
Erysipelas	2	2	Rubella	....	....
Scarlet Fever	9	1	Mumps	....	....
Encephalitis Lethargica	5	8	Smallpox	....	....
Whooping Cough	42	43	Chickenpox	....	2
Diphtheria	5	9			

TABLE 3

DEATHS DUE TO COMMUNICABLE DISEASES IN THE CITIES OF EDMONTON AND CALGARY FOR 1944 AND 1945

	Edmonton		Calgary	
	1944	1945	1944	1945
Pneumonia (all forms)	45	42	35	40
Influenza(all forms)	7	1	7	1
Pulmonary Tuberculosis	23	28	16	13
Tuberculosis (all other forms)	4	2	1	3
Diphtheria	....	....	....	....
Whooping Cough	2	1	....	....
Acute Anterior Poliomyelitis	....	....	....	....
Meningococcic Meningitis	2	....	2	2
Typhoid Fever	....	1	....	....
Erysipelas	....	....	....	1
Scarlet Fever	1	....	....	....
Encephalitis	....	1	1	....
Measles	....	....	....	1
Mumps	....	....	....	....
Undulant Fever	....	....	....	....
Dysentery	1	....	1	....
Smallpox	....	....	....	....
Chickenpox	....	....	....	....

TABLE 4

DEATHS DUE TO COMMUNICABLE DISEASES IN THE SMALLER CITIES, TOWNS, VILLAGES AND RURAL DISTRICTS FOR THE YEARS 1944 AND 1945

	1944	1945		1944	1945
Pneumonia (all forms)	299	285	Erysipelas	2	1
Influenza (all forms)	114	56	Scarlet Fever	8	1
Pulmonary Tuberculosis	190	159	Encephalitis	4	7
Tuberculosis (all other forms)	57	58	Measles	10	5
Diphtheria	5	9	Mumps	....	1
Whooping Cough	40	42	Undulant Fever	....	....
Acute Anterior Poliomyelitis	1	....	Dysentery	8	4
Meningococcic Meningitis	1	1	Smallpox	....	....
Typhoid Fever	8	1	Chickenpox	....	2

TABLE 5

DEATHS DUE TO COMMUNICABLE DISEASES AMONG INDIANS IN THE PROVINCE FOR 1944 AND 1945

	1944	1945		1944	1945
Pneumonia (all forms)	83	90	Meningococcic Meningitis	....	....
Influenza (all forms)	24	4	Typhoid Fever	....	....
Pulmonary Tuberculosis	114	102	Erysipelas	....	....
Tuberculosis (all other forms)	36	34	Scarlet Fever	1	....
Diphtheria	3	3	Encephalitis	....	....
Whooping Cough	28	36	Measles	....	1
Acute Anterior Poliomyelitis	....	....	Mumps	....	....

TABLE 6

	Total Cases	Total Deaths	Morbidity Rate	Mortality Rate	Case Fatality Rate
Acute Anterior Poliomyelitis	19	....	2.3	....	....
Cerebro-Spinal Meningitis	13	3	1.7	0.4	23.0
Chickenpox	3,120	2	378.0	0.2	....
Diphtheria	53	9	6.4	1.1	16.9
Diphtheria Carriers	12	....	1.5	....	....
Encephalitis	2	8	....	1.0	....
Erysipelas	8	2	....	0.2	....
Influenza	N.R.	58	....	7.0	....
Mumps	3,988	....	484.0	....	....
Measles	1,472	6	168.0	0.7	0.4
Pneumonia (all forms)	N.R.	367	....	44.6	....
Pulmonary Tuberculosis	1,032	200	125.0	24.3	19.4
Pulmonary Tuberculosis (Indians excepted)	....	98	....	12.2	....
Non-Pulmonary Tuberculosis	32	63	3.9	7.6	....
Non-Pulmonary Tuberculosis (Indians excepted)	....	29	....	3.6	....
Smallpox	....	....	....	....	....
Scarlet Fever	1,358	1	164.0	0.1	0.1
Typhoid Fever	20	2	2.4	0.2	10.0
Paratyphoid Fever B	5	....	0.6	....	....
Whooping Cough	694	43	84.4	5.2	6.1
Rubella	632	....	77.9	....	....

N.R.—Not reported or incompletely reported.

INCIDENCE OF SOME OF THE MORE SERIOUS COMMUNICABLE DISEASES FOR THE 10-YEAR PERIOD 1935-1945

DIPHTHERIA

	Population	Total Cases	Total Deaths	Morbidity Rate	Mortality Rate
1935	770,000	28	8	4.00	1.00
1936	772,782	47	9	6.00	1.00
1937	778,000	30	10	3.86	1.28
1938	783,000	74	18	9.40	2.3
1939	789,000	36	7	4.5	0.9
1940	795,000	52	12	6.42	1.5
1941	796,169	31	6	3.9	0.8
1942	805,152	58	11	7.3	1.4
1943	792,000	46	11	5.8	1.4
1944	818,000	57	5	7.2	0.6
1945	826,000	53	9	6.4	1.1

TYPHOID FEVER

1935	770,000	55	11	7.0	1.40
1936	772,782	111	20	14.4	2.60
1937	778,000	34	4	4.37	.51
1938	783,000	77	11	9.8	1.40
1939	789,000	44	6	5.6	.70
1940	795,000	36	3	4.5	.40
1941	796,169	33	5	4.1	.60
1942	805,152	18	1	2.3	.10
1943	792,000	11	1	1.4	0.1
1944	818,000	101	8	12.4	1.0
1945	826,000	20	2	2.4	0.2

ACUTE ANTERIOR POLIOMYELITIS

1935	770,000	162	15	21.0	2.0
1936	772,782	18	1	2.3	0.1
1937	778,000	169	13	21.72	1.67
1938	783,000	105	15	13.4	1.9
1939	789,000	24	5	3.0	0.6
1940	795,000	....	4	....	....
1941	796,169	167	8	20.9	1.0
1942	805,152	8	....	1.0	....
1943	792,000	24	....	3.0	....
1944	818,000	107	1	13.3	0.1
1945	826,000	19	....	2.3	....

WHOOPING COUGH

1935	770,000	763	43	99.0	6.0
1936	772,782	1,793	73	232.0	9.0
1937	778,000	658	49	84.57	6.3
1938	783,000	310	30	39.6	3.8
1939	789,000	2,080	33	263.6	4.2
1940	795,000	1,158	55	45.7	7.0
1941	796,169	364	23	19.8	2.9
1942	805,152	1,131	12	141.0	1.5
1943	792,000	1,520	12	191.0	1.5
1944	818,000	757	42	94.5	5.7
1945	826,000	694	43	84.4	5.2

SCARLET FEVER

1935	770,000	642	8	83.0	1.0
1936	772,782	2,729	23	353.0	3.0
1937	778,000	2,123	24	272.9	3.08
1938	783,000	1,452	25	185.0	3.2
1939	789,000	1,113	19	141.0	2.4
1940	795,000	779	9	98.0	1.1
1941	796,169	792	6	101.0	0.8
1942	805,152	2,265	11	286.0	1.4
1943	792,000	1,676	7	208.0	0.9
1944	818,000	2,615	9	327.0	1.1
1945	826,000	1,358	1	164.0	0.1

SMALLPOX

1935	770,000	4	....	0.5	....
1936	772,782	56	1	7.0	0.1
1937	778,000	57	1	7.3	0.1
1938	783,000	34	....	4.3	....
1939	789,000	45	....	5.7	....
1940	795,000	....	....	....	....
1941	796,169	1	....	0.1	....
1942	805,152	1	....	0.1	....
1943	792,000	2	....	....	....
1944	818,000	....	....	....	....
1945	826,000	....	....	....	....

CLASS OF COMMUNICABLE DISEASES REPORTED IN 1945

WHOOPING COUGH

1945	Sex		MONTHS												AGES						TOTAL
	Male	Female	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	0-1	1-4	5-14	15-19	20-over	Not Stated	
Cities:																					
Calgary	63	65	10	4	8	16	19	21	32	13	3	2	....	....	4	58	66	....	....	....	128
Edmonton	116	121	30	42	52	31	22	8	5	12	7	7	7	14	26	93	113	1	3	1	237
Medicine Hat	....	3	....	....	....	1	2	....	....	....	....	....	....	....	....	....	3	....	....	....	3
Red Deer	1	1	....	....	....	....	....	....	....	....	2	....	....	....	....	1	1	....	....	....	2
Towns and Villages	29	36	11	6	2	3	4	15	5	10	3	....	5	1	5	23	34	1	....	2	65
Rural Districts	131	128	11	38	43	46	14	15	7	20	32	16	10	7	35	82	130	3	2	7	259
Totals	340	354	62	90	105	97	61	59	49	55	47	25	22	22	70	257	347	5	5	10	694

CHICKENPOX

Cities:																					
Calgary	164	111	32	13	12	32	20	18	27	4	7	34	48	28	3	44	197	10	21	....	275
Edmonton	692	695	111	66	50	55	70	208	234	108	59	153	151	122	57	380	854	40	49	7	1387
Lethbridge	58	40	....	18	28	8	13	7	14	7	....	1	2	....	3	17	74	3	1	....	98
Medicine Hat	4	3	1	....	....	....	....	....	....	....	....	2	2	2	....	....	6	1	....	....	7
Red Deer	3	2	2	....	....	....	....	....	1	....	1	1	....	....	....	1	3	....	1	....	5
Wetaskiwin	....	2	....	....	1	1	....	....	....	....	....	....	....	....	1	1	....	....	....	....	2
Towns and Villages	281	261	137	58	51	26	60	89	10	9	4	26	51	21	17	81	341	38	16	49	542
Rural Districts	381	423	143	111	116	44	72	45	19	18	25	58	73	80	12	127	534	61	28	42	804
Totals	1583	1537	426	266	258	166	235	367	305	146	96	275	327	253	93	651	2009	153	116	98	3120

RUBELLA

Cities:																					
Calgary	69	48	5	4	9	19	22	27	14	3	1	4	2	7	3	14	60	2	38	....	117
Drumheller	116	160	....	7	5	32	47	111	47	6	3	4	7	7	4	55	163	23	29	2	276
Edmonton	3	1	....	....	....	2	....	....	1	....	....	....	....	1	2	....	2	....	....	....	4
Lethbridge	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1
Red Deer	3	7	....	1	2	....	2	1	1	....	....	1	2	....	1	6	1	....	2	....	10
Wetaskiwin	32	2	....	....	9	7	9	7	2	....	....	....	....	....	....	....	....	2	32	....	34
Towns and Villages	24	47	12	....	2	2	26	14	5	1	....	2	7	....	....	15	40	6	6	4	71
Rural Districts	49	70	15	10	6	18	8	9	28	....	3	3	10	9	5	29	59	8	7	11	119
Totals	297	335	33	22	33	80	114	169	98	10	7	14	28	24	15	119	326	41	114	17	632

DIPHTHERIA

1945	Sex		MONTHS												AGES						TOTAL
	Male	Female	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	0-1	1-4	5-14	15-19	20-over	Not Stated	
City:																					
Calgary	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	1
Edmonton	1	2	1	1	....	....	....	....	....	....	1	....	....	....	....	....	1	....	2	....	3
Towns and Villages	7	3	1	....	1	1	1	....	....	....	....	1	5	....	2	3	5	....	....	....	10
Rural Districts	19	20	....	4	9	6	....	1	....	....	1	7	3	8	2	6	17	2	12	....	39
Totals	27	26	2	5	10	7	1	1	....	....	2	8	9	8	4	9	24	2	14	....	53

DIPHTHERIA CARRIERS

Cities:																					
Edmonton	3	1	....	1	....	....	1	....	....	....	2	....	....	....	....	....	4	....	....	....	4
Towns and Villages	2	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	2	....	2
Rural Districts	2	4	....	....	....	1	5	....	....	....	....	....	....	....	....	3	3	....	....	....	6
Totals	7	5	....	1	1	1	6	....	....	....	2	....	....	1	....	3	7	....	2	....	12

TYPHOID FEVER

Cities:																					
Calgary	2	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	1	....	1	....	2
Drumheller	1	1	....	....	....	1	....	....	....	1	....	....	....	....	....	....	1	....	1	....	2
Edmonton	1	1	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	1	1	....	2
Lethbridge	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	1
Medicine Hat	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1
Towns and Villages	2	7	....	....	....	....	1	....	3	1	1	..	1	2	....	1	2	2	3	1	9
Rural Districts	7	13	3	....	1	1	4	4	3	2	1	1	....	....	....	....	1	6	12	1	20
Totals	13	24	4	....	1	2	5	4	7	5	3	3	1	2	....	1	5	10	19	2	37

TYPHOID CARRIERS

City of Drumheller	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	1
Town and Villages	....	3	....	....	....	1	....	1	....	....	....	....	....	1	....	....	....	....	3	....	3
Rural Districts	....	2	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	1	2
Totals	....	6	....	1	....	1	....	1	....	1	....	....	....	2	....	....	....	....	5	1	6

PARATYPHOID FEVER

City of Edmonton	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	1
Towns and Villages	2	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	2	....	2
Rural Districts	2	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	2	....	2
Totals	4	1	....	....	1	....	....	1	2	....	1	....	....	....	....	....	....	....	5	....	5

PARATYPHOID CARRIER

City of Edmonton	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	1

MEASLES

Cities:																					
Calgary	101	84	7	2	24	31	23	57	14	11	2	2	6	6	3	46	65	....	71	....	185
Drumheller	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1
Edmonton	201	243	12	19	23	37	69	118	49	21	18	2	17	59	39	201	159	11	31	2	444
Lethbridge	12	6	....	....	....	1	3	2	3	....	....	....	3	6	....	8	8	1	1	....	18
Medicine Hat	46	54	2	22	26	26	22	1	....	....	....	....	1	....	1	34	59	5	1	....	100
Red Deer	3	4	....	....	3	....	1	1	1	....	....	1	....	....	5	2	....	....	....	....	7
Wetaskiwin	43	10	9	8	4	4	10	11	5	....	....	....	....	2	1	5	6	2	39	....	53
Towns and Villages	99	92	8	15	26	6	64	29	24	4	7	....	3	5	7	49	101	24	6	4	191
Rural Districts	214	259	24	56	29	35	100	137	26	7	9	21	23	6	16	94	266	20	24	53	473
Totals	720	752	63	122	135	140	292	356	122	43	36	26	53	84	72	440	664	63	173	60	1472

MUMPS

Cities:																					
Drumheller	359	178	114	65	80	112	64	41	20	13	10	8	5	5	....	35	227	13	262	....	537
Calgary	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	1
Edmonton	900	977	86	163	270	276	241	149	74	47	45	106	185	235	8	245	1230	141	222	31	1877
Lethbridge	6	5	1	2	....	4	2	....	....	....	....	1	1	....	....	....	5	....	6	....	11
Medicine Hat	7	8	....	....	3	7	1	1	....	....	....	3	....	....	....	....	14	1	....	....	15
Red Deer	40	59	5	11	15	13	31	17	5	1	1	....	....	....	1	14	48	4	21	11	99
Towns and Villages	270	284	56	87	73	72	44	29	16	2	35	43	49	48	1	41	369	55	63	25	554
Rural Districts	430	464	83	137	209	132	95	72	10	21	12	38	32	53	4	58	543	118	113	58	894
Totals	2013	1975	345	465	650	616	478	310	125	84	103	199	272	341	14	393	2437	332	687	125	3988

POLIOMYELITIS

1945	Sex		MONTHS												AGES						TOTAL
	Male	Female	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	0-1	1-4	5-14	15-19	20-over	Not Stated	
Cities:																					
Edmonton	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1
Medicine Hat	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	1
Red Deer	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1
Towns and Villages	2	3	....	....	....	....	....	....	....	1	1	....	3	....	....	....	1	....	3	1	5
Rural Districts	8	3	1	....	....	....	....	2	1	2	3	1	1	....	....	2	4	3	1	1	11
Totals	13	6	2	....	....	....	....	3	2	3	4	1	4	....	....	3	5	3	6	2	19

VARIOUS OTHER DISEASES

ACTINOMYCOSIS

Rural Districts	2	1	....	....	....	....	1	....	....	....	....	....	1	1	....	....	2	....	1	....	3

CONJUNCTIVITIS

Rural Districts	3	4	....	....	....	1	3	3	....	....	....	....	....	....	....	....	6	....	1	....	7

ENCEPHALITIS

Rural Districts	....	2	1	....	....	....	....	1	....	....	....	....	....	....	....	1	....	1	....	....	1

ERYSIPELAS

Towns and Villages	....	2	....	....	....	1	....	1	....	....	....	....	....	....	....	1	....	....	1	....	2
Rural Districts	1	5	1	....	....	1	....	2	1	....	....	....	....	....	....	....	....	....	5	1	6
Totals	1	7	1	....	....	2	....	3	1	....	....	1	....	....	....	1	....	....	6	1	8

JAUNDICE

Rural Districts	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	1

LEPROSY

Rural Districts	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	1

MENINGITIS

City of Calgary	....	2	1	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	1	....	2
Towns and Villages	....	3	1	1	....	....	....	....	....	....	....	....	1	....	....	....	1	....	1	....	3
Rural Districts	5	3	....	....	3	....	1	....	1	1	....	....	....	2	....	2	4	2	....	....	8
Totals	5	8	2	1	3	....	2	....	1	1	....	....	1	2	2	2	5	2	2	....	13

MONONUCLEOSIS

City of Colgary	1	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	2

SEPTIC SORE THROAT

Rural Districts	12	16	....	1	....	....	....	....	....	....	....	....	6	21	....	....	2	6	5	15	28

TRACHOMA

Rural Districts	2	1	....	....	....	....	....	3	....	....	....	....	....	....	....	1	2	....	....	....	3

UNDULANT FEVER

City of Edmonton	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1
Towns and Villages	4	2	....	1	....	....	....	1	....	....	....	....	3	1	....	....	1	....	5	....	6
Rural Districts	1	3	....	....	....	....	....	2	....	1	1	....	....	....	....	....	1	1	2	....	4
Totals	6	5	....	1	1	....	....	3	....	1	1	....	3	1	....	....	2	1	8	....	11

SCARLET FEVER

1945	Sex		MONTHS												AGES						TOTAL
	Male	Female	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	0-1	1-4	5-14	15-19	20-over	Not Stated	
Cities:																					
Calgary	83	83	35	16	31	9	19	13	6	7	5	8	6	11	1	39	83	15	28	....	166
Drumheller	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	1
Edmonton	181	192	54	37	42	28	28	13	11	7	26	35	57	35	1	112	188	25	46	1	373
Lethbridge	2	5	....	2	....	1	2	....	....	....	....	....	1	1	....	4	2	....	1	....	7
Medicine Hat	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	1
Red Deer	6	16	13	2	3	1	2	....	....	....	....	....	1	....	....	6	5	4	7	....	22
Wetaskiwin	23	3	1	2	3	....	2	14	2	1	....	....	1	....	....	1	5	....	20	....	26
Towns and Villages	93	129	55	44	28	7	12	10	4	7	13	18	6	18	2	48	114	28	27	3	222
Rural Districts	279	261	157	79	72	52	43	23	10	22	14	24	17	27	6	107	259	42	99	27	540
Totals	667	691	315	182	179	98	108	74	33	44	58	85	90	92	10	317	657	114	228	32	1358

PULMONARY TUBERCULOSIS

Cities:																					
Calgary	58	83	13	4	9	33	20	15	9	7	6	7	10	8	....	4	4	5	125	3	141
Drumheller	2	3	1	....	2	....	....	....	2	....	....	....	....	....	....	....	....	1	3	1	5
Edmonton	129	124	47	27	39	29	6	10	14	14	20	21	11	15	....	....	3	15	228	7	253
Lethbridge	16	10	2	1	3	1	2	2	9	....	1	1	4	....	1	1	2	2	19	1	26
Medicine Hat	1	4	1	....	1	1	....	....	....	2	....	....	....	....	....	....	2	....	....	3	5
Red Deer	5	8	1	1	1	....	....	2	....	1	1	1	....	5	....	....	1	....	9	3	13
Wetaskiwin	1	3	....	....	....	....	3	....	1	....	....	....	....	....	....	....	....	1	3	....	4
Towns and Villages	121	122	19	14	10	10	11	15	39	19	36	24	30	16	....	5	13	21	191	13	243
Rural Districts	190	152	40	18	19	21	27	27	36	26	57	29	8	14	....	6	39	29	237	31	342
Totals	523	509	124	63	84	95	69	71	110	69	121	83	83	58	1	16	64	74	815	62	1032

NON-PULMONARY TUBERCULOSIS

Cities:																					
Calgary	....	2	1	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	1	....	2
Edmonton	4	4	2	....	....	....	....	1	2	....	1	1	1	....	....	1	1	....	3	3	8
Medicine Hat	1	1	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	2	2
Red Deer	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	1
Towns and Villages	3	2	....	....	....	....	....	3	2	....	....	....	....	....	....	1	....	....	3	1	5
Rural Districts	9	5	3	....	2	2	....	1	5	....	....	1	....	....	....	1	2	1	2	8	14
Totals	18	14	6	....	2	3	....	5	10	2	1	2	1	....	....	3	4	1	9	15	32

Health Education

(C. C. Evoy, B.Sc., *Supervisor*)

The most important resources of any country are its people, for a nation is no stronger than its citizens. Basic to their efficiency, strength and capability in service is their health. It is therefore essential that each child growing up attain the best health possible for him. During the past twelve months the staff of the Health Education Division has travelled many hundreds of miles to over 70 different districts to inform the people of Alberta about the services available through the Provincial Department of Public Health, to help organize adult study groups in health, and to assist teachers in an interpretation of the health programme in the school so that ourso that our children may develop proper health attitudes.

Radio talks on a variety of health topics were prepared by various members of the staff of the Department and presented in monologue and dialogue form. These scripts were broadcast over station CKUA once a week for a period of fifteen minutes.

Lectures and talks were given to adult groups in the northern and central part of the Province. In addition to this, arrangements were made for health lessons to be taught in a number of schools in the same areas.

Considerable literature was distributed directly and indirectly as a result of the meetings held.

Adult study groups were formed at some centres with the idea of including health education in the seasonal programme.

As a result of these meetings requests have been received for future service of a similar nature, but on a larger scale.

Each year we purchase new films for our library. Our additions this year were three: one on Sanitation, "Water, Friend or Enemy"; one in the communicable diseases division, entitled "Pneumonia"; and "Help Wanted" for the first aid section. There has been a steady call for health films from all parts of the Province. We are looking forward to the post-war period when films will be more readily available.

During the summer we arranged to have a motion picture made of our services in tuberculosis treatment and prevention, and also one on district nursing. This experience was well worth while and should bear fruit next year.

Literature on health topics is always popular. School groups and teachers receive the bulk of our pamphlets, booklets, charts and outlines. In addition to our own publications, we stock a good supply of health material from the Dominion Department of Health and Welfare and other agencies.

This year we had our first large poster display of health services at the Edmonton Exhibition since 1941. Large crowds showed a keen interest in this form of health education. Each afternoon of the fair week we screened health films to hundreds of visitors.

In the coming year our division plans to make greater use of the radio and publicity in an attempt to improve health behaviour and to ensure a wider distribution of information concerning the Department in its programme of better health for Albertans.

Report of the Provincial Laboratory

(R. M. SHAW, *Director*)

On September 1st, Dr. Allan C. Rankin, who so ably directed the work of the Laboratory since 1914 and carried its development to a high state of efficiency, retired from the Directorship and from active participation in its work.

Captain J. A. Romeyn, having been granted extended leave of absence from the R.C.A.M.C. on September 1st, 1945, returned to duty and has given valuable assistance both in the conduct of the work of the Laboratory and in teaching.

A reference to the attached detailed tables will reveal again an increase in the total number of specimens examined, amounting to 25,446. Much, though not all of this, is accounted for by the routine serological examinations of returning service personnel. On July 1st the amendment to The Marriage Act requiring the serological examination of blood specimens from contracting parties came into force and thus increased the civilian serological routine by some thousands of specimens annually.

The total number of serological tests, soldier and civilian, amounted to 96,020 as compared to 71,371 in 1944.

Efforts directed towards venereal disease control have been responsible for a considerable increase in Laboratory examinations for purposes of diagnosis and determination of progress in treatment.

The culture work in respect to venereal disease, referred to in last year's report, is continuing parallel with other methods of examination.

During the year the diagnosis of typhoid fever in 32 persons was confirmed by the isolation of the typhoid bacillus in culture. It is of interest perhaps that this organism was isolated 94 times during the year, 14 times from patients' blood.

Paratyphoid bacilli were isolated 12 times (once from the blood), while other related bacteria were found 57 times and dysentery bacilli on 13 occasions.

The work of the Department of Pathology has again shown increases both in numbers of surgical specimens examined and in autopsies performed. The rate of increase has been about 8% per year for each of the past two years. During the war, physicians were asked to request examination only of specimens absolutely essental to correct diagnosis, e.g. cancer, etc. With the removal of these restrictions, the rate of increase in this work will be greatly accelerated.

In line with previous reports for the past several years, attention is again directed to the need of providing more physical accommodation. It is thought that those to whom appeals for increased space have been made have been unaware of the total volume of work carried on in the Provincial Laboratory and of the part played by the Laboratory in the teaching of Pathology and Bacteriology since the inception of these courses in the University. No mention of this work appears in recent reports.

The following short statements will explain:

1. Bacteriological and pathological specimens submitted to the Laboratory for examination are, when suitable and after report is made to the physician, passed on to the students for study in their laboratory periods.
2. All bacteriological media and cultures for student use are prepared by the Provincial Laboratory staff using autoclaves and other equipment housed in that Laboratory.
3. All glassware including culture tubes, petri dishes, slides, etc., are returned to the Provincial Laboratory, where this equipment is sterilized and washed up by the Laboratory staff.
4. All sections of tissues studied by students are prepared in the Provincial Laboratory.

It is true that in the budgets of the teaching departments, funds are provided for the payment of certain persons doing class work, but even so the teaching in the two departments cannot be carried on independently of the Provincial Laboratory without some very radical changes. It is the opinion of my departmental colleagues that the teaching departments concerned benefit greatly by the close association with the Provincial Laboratory.

Should the predicted increase in students for instruction in Bacteriology and Pathology become a fact, the present equipment will be inadequate to handle the additional work, and available space will become so overcrowded as to result in a complete breakdown. There is no space to house more needed equipment and no room to accommodate the necessary staff for the increased teaching load.

There surely can be no dispute that the Provincial Laboratory performs a most important service in the aid it offers for (1) the diagnosis of disease, (2) the control of epidemics, (3) the distribution of biological products for treatment and prevention of infectious diseases, and (4) the part it plays in the collection and preparation of materials for teaching purposes and the assistance in the act of teaching. The students of the Faculties of Agriculture, Arts and Sciences, Dentistry, Medicine, including the Schools of Pharmacy, Home Economics and Nursing, all derive benefit from this collaboration in teaching.

In spite of the overcrowding, the members of the staff have carried on cheerfully and efficiently with only an occasional trite remark respecting the existing overcrowded state of affairs. It is, of course, realized that neither the University authorities nor the members of the Government are aware that 22 girls, members of the Laboratory staff, must change into laboratory garb on arrival for work and on leaving change back into street clothes in a room 8 feet by 9 feet, in which are also housed the usual toilet facilities. Nor perhaps is it appreciated that the proposed extension of the east wing predicted to become a fact during the summer, will shut off completely all natural light and ventilation from a room in which Dr. J. W. Macgregor, Associate Professor of Pathology, his assistant and two interns do all microscopic examination of tissues submitted by surgeons or collected at autopsy. This must further curtail the working space in the Provincial Laboratory.

Recently there have been received 3,700 bottles of dried human serum, Alberta's share of the surplus of that produced by the Canadian Red Cross for the Armed Forces. Along with laboratory

records of past years, a barrel of chloroform and many other things for which there is no other storage space, are stored in the main corridor of the Laboratory pending their distribution to the 100 hospitals in the Province for use on patients requiring such materials.

These facts are presented with the honest desire to so direct serious attention to the overcrowded, unsatisfactory and unhealthy conditions of work, considering its type, in the hope that some relief may be afforded.

Without improvement in space and equipment in the Provincial Laboratory the teaching load predicted for the Departments of Bacteriologly and Pathology for the session 1946-47 cannot be wholly undertaken.

TABLE No. 1

WORK PERFORMED IN THE PROVINCIAL LABORATORY DURING THE YEAR 1945

	Total, 1944	Total, 1945	Increase	Decrease
Sputum Examinations	649	579	.....	70
Diphtheria and Haemolytic Streptococci	4,410	2,292	.....	2,118
Typhoid Fever	669	640	.....	29
Milk	1,013	1,003	.....	10
Water	2,983	2,487	.....	496
Guinea Pig Inoculations	642	899	257	.....
Miscellaneous Examinations	5,009	4,816	.....	193
Plasma Cultures	2,612	873	.....	1,739
Mother's Milk	.....	1	1	.....
Urinalysis	56	61	5	.....
Medico-Legal Examinations (Blood Seminal, etc.)	9	8	.....	1
Cerebro Spinal Fluids for the Wassermann Test	2,620	2,803	183	.....
Bloods for the Wassermann Test	7,981	7,839	.....	142
Bloods for the Standard Kahn Test	7,897	7,639	.....	258
Bloods for the Presumptive Kahn Test	52,873	77,739	24,866	.....
Smears for the Gonococcus	17,386	21,469	4,083	.....
Van Den Bergh Determination	1,705	385	.....	1,320
Pathological Histological Material	6,853	7,394	541	.....
Blood Smear Examinations	154	159	5	.....
Post-mortem Examinations	235	273	38	.....
Ascheim Zondek Examinations	368	307	.....	61
Comparative Series	5	10	5	.....
Cerebro-Spinal Fluid Examinations (Colloidal Gold, Pandy)	2,691	2,928	237	.....
Bacteriological Examinations (P.M.)	52	50	.....	2
B. Abortus Examinations	639	626	.....	13
B. Tularensis Examinations	638	626	.....	12
Cattle Blood Examinations	1,644	2,687	1,043	.....
Total	121,147	146,593		

Table No. 2 gives the detail of examinations of milk performed throughout the year 1945.

TABLE No. 2

Milk	1944	1945
Number of milks examined bacteriologically	1,013	938
Number of milks examined for butterfat	110	98
Number of milks examined for B. coli	137	212
Number of milks tested by the Phosphatase test	.....	10
Number of ice creams examined	38	68

Table No. 3 gives the details of the bacteriological and chemical examinations of water performed throughout the year 1945.

TABLE No. 3

Water	1944	1945
Number of samples of water examined bacteriologically and found fit for human consumption	1,850	1,620
Number of samples of water examined bacteriologically and found unfit for human consumption	387	191
Number of samples of water examined bacteriologically and chemically and found fit for human consumption	182	235
Number of samples of water examined bacteriologically and chemically and found unfit for human consumption	160	144
Number of samples of water examined chemically and found fit for human consumption	354	216
Number of samples of water examined chemically and found unfit for human consumption	87	66
Number of samples of ice examined bacteriologically and found fit for human consumption	15	15
Number of samples of ice examined bacteriologically and found unfit for human consumption	....	....

Table No. 4 shows the detail of some of the work done by the Laboratory in relation to the control of infectious disease during the year 1945.

TABLE No. 4

Diseases	No. of Specimens Positives	No. of Specimens Negatives	No. of Post Offices	No. of Physicians	Month.	Sputum.	Diph.	Typhoid Fever.	Total.
Pulmonary Tuberculosis	61	527	211	....	Jan.	53	175	74	302
					Feb.	55	133	43	231
					Mar.	32	187	49	268
Diphtheria and Haemolytic Streptococci	99	2,075	....	436	April	69	325	46	440
					May	44	298	44	386
					June	41	149	59	249
					July	55	156	46	257
					Aug.	49	188	59	296
Typhoid Fever	173	453	....	....	Sept.	49	134	44	227
					Oct.	46	93	57	196
					Nov.	46	115	56	217
					Dec.	49	221	49	319
					Total	588	2,174	626	3,388

Table No. 5 shows the number of blood and cerebro-spinal fluid examinations by serological tests for the diagnosis of syphilis during the year 1945.

TABLE No. 5

Bloods Examined: Presumptive Kahn	77,739
Standard Kahn	7,639
Wassermann	7,839
Cerebro-spinal fluids examined by Wassermann test	2,803
Bloods and cerebro-spinal fluids unsuitable for examination (N.S.Q., A.C., Haem., Accidentally broken)	1,115
Bloods broken and leaked in transit	216
Bloods and cerebro-spinal fluids "Positive" to reaction	2,820
Bloods and cerebro-spinal fluids "Negative" to reaction	75,165
Bloods giving "Doubtful Please Repeat" reaction	524
Bloods giving "Please Repeat" reaction	1,362
Bloods giving "Report as it"	154
Number of bloods and cerebro-spinal fluids examined in 1944	55,493
Number of bloods and cerebro-spinal fluids examined in 1945	80,542
Increase in number of specimens examined	25,049
Increase in per cent	45.1%

Table No. 6 shows the number of blood and cerebro-spinal fluid examinations by serological tests for the diagnosis of syphilis, by the month, during the year 1945.

TABLE No. 6

	Presumptive	Standard	Wassermann	C.S.F.	Unsuitable (N.S.Q., A.C., Haem.)
January	5,206	725	718	225	72
February	4,970	654	675	208	83
March	4,616	609	617	209	52
April	4,522	543	562	248	59
May	3,425	411	449	247	49
June	5,395	579	610	304	66
July	5,589	491	537	221	94
August	6,685	656	717	208	99
September	10,418	829	848	263	65
October	11,505	855	774	236	53
November	8,094	663	665	225	172
December	7,314	624	667	209	251
Total	77,739	7,639	7,839	2,803	1,115

TABLE No. 7

REPORT OF WORK DONE FOR THE MILITARY AUTHORITIES DURING THE YEAR 1945

	Airforce	Army	Navy	U.S.	Total
Milks	50	71	....	....	121
Waters—Bact.	229	52	2	....	283
Smears—G.C.	23	84	3	....	110
T.B. Examinations	6	28	2	....	36
Widals	11	36	....	....	47
Urines	....	1	....	....	1
Misc. Bact.	110	128	1	....	239
Throat Swabs	54	118	....	....	172
Wassermanns:					
Bloods	413	1,245	26	9	1,693
C.S.F.	79	296	2	2	379
Kahns:					
Presumptive	12,247	21,790	767	6	34,810
Standard	412	1,264	26	4	1,706
Path. Specimens	95	78	3	....	176
Ascheim Zondek Tests	1	3	....	....	4
Blood Smears	3	....	....	....	3
Total					39,780

TABLE No. 8

SERA AND VACCINE DISTRIBUTED

	Pkgs.		Pkgs.
Smallpox Vaccine:		Scarlet Fever Toxin:	
1 point	1,715	Strength "B": 30 doses (large)	59
10 points	4,387	Strength "C": 30 doses (large)	7
Diphtheria Antitoxin, in syringe:		Strength D"": 30 doses (large)	20
1000 units	566	Strength "E": (Small)	60
5000 units	50	30 doses (large)	36
20,000 units	364	Tetanus Antitoxin:	
Diphtheria Antitoxin, in vial (Used in emergency):		1,500 units	272
		5,000 units	20
1000 units	70	10,000 units	11
Diphtheria Toxoid:		Pertussis Vaccine:	
1 person	5,251	1 person	4,196
3 c.c.	566	6 persons	670
6 c.c.	1,235	Staphylococcus Toxoid:	
Diphtheria Toxoid and Pertussis Vaccine (combined):		2 c.c. vial	300
		Staphylococcus Antitoxin:	
1 person	5,812	20,000 units	27
6 persons	1,267	10,000 units	....
Schick Test.		Gas Gangrene:	
25 persons	465	4,000 units	21
Scarlet Fever Antitoxin:		10,000 units	117
3000 units, syringe	428	Typhoid-Paratyphoid Vaccine:	
9000 units, vial	86	1 person	649
9000 units, syringe	143	10 c.c.	669
Scarlet Fever Toxin:		Other Vaccines:	
1 person	3,643	Autogenous, 25 c.c. bottle	22
6 persons	3,231	Stock Vaccine, 25 c.c. bottle	12
Dick Test:		Rocky Mountain Spotted Fever,	
10 persons	928	8 c.c. bottle	22
Tetanus Toxoid:		Diluted Diphtheria Toxoid:	
1 person	51	Small	14

Table No. 9 shows the amount of autogenous and other vaccine prepared and distributed during the year 1945.

TABLE No. 9

	Total, 1944	Total, 1945	Increase	Decrease
Autogenous Vaccine (25 c.c. quantity)	21	22	1	....
Stock Vaccine (25 c.c. quantity)	9	12	3	....
Total	30	34		

TABLE No. 10

COMMERCIAL VALUE OF WORK IF MINIMUM CHARGE WERE MADE, 1945

Sputum Examinations	579	$ 1.00	$ 579.00
Diphtheria and Haemolytic Streptococci	2,292	1.00	2,292.00
Typhoid Fever	640	1.00	640.00
Milk	1,003	3.00	3,009.00
Water	2,487	10.00	24,870.00
Guinea pig inoculations	899	3.00	2,697.00
Miscellaneous	4,816	3.00	14,448.00
Plasma cultures	873	.25	218.25
Mother's Milk	1	2.00	2.00
Urinalysis	61	1.00	61.00
Medico-Legal (Blood, seminal, etc.)	8	5.00	40.00
Cerebro-Spinal Fluids for Wasserman Test	2,803	1.00	2,803.00
Bloods for Wassermann Test	7,839	1.00	7,839.00
Bloods for Standard Kahn Test	7,639	1.00	7,639.00
Bloods for Presumptive Kahn Test	77,739	1.00	77,739.00
Smears for the Gonococcus	21,469	1.00	21,469.00
Van Der Bergh Determination	385	1.00	385.00
Pathological Histological Material	7,394	5.00	36,970.00
Blood Smear Examinations	159	2.00	318.00
Ascheim Zondek Test	307	5.00	1,535.00
Comparative Series	10	3.00	30.00
Cerebro-Spinal Fluid Examinations (Colloidal Gold, Pandy)	2,928	2.00	5,856.00
Bacteriological Examinations (P.M.)	50	5.00	250.00
B. Abortus Examinations	626	.50	313.00
B. Tularensis Examinations	626	.50	313.00
Cattle Blood Examinations	2,687	.10	268.70
Autogenous Vaccine	22	5.00	110.00
Stock Vaccine	12	3.50	42.00
Total			$212,735.95

Division of Entomology

(J. H. Brown, C.S.I. (C), B.Sc. (Agric.), M.Sc.)

General Introduction.

The following information is a summary of the Second Annual Report of the Division of Entomology, and the Eighth Annual Report of the Rocky Mountain Spotted Fever and Sylvatic Plague Survey, for the year ending December 31, 1945.

During 1945, considerable progress was made toward establishing this division as an integral part of public health services in this Province. The large number of requests received for literature, addresses and showing of films from medical and nursing groups, local boards of health, service clubs, municipal councils, community clubs, adult education societies, women's organizations, school districts, farm groups, church clubs and other organizations establishes the fact that the people of this Province are aware of the dangers involved in the insect transmission of human diseases, and are interested in obtaining complete information as to what is being done to control the menace. In fact, the demand was so great that it was impossible to fulfill all of the requests.

The establishing of the division has made possible the planning of long-time investigations in relation to the epidemiological problems associated with insect-borne diseases, and also to arrange for the collecting and compiling of pertinent information on all those problems that fall within the purview of the division. As in the past a considerable proportion of the time and energy available was devoted to plague, spotted fever, tularaemia and rat investigation. However, other entomological problems such as mosquito control, DDT investigations, scabies incidence, mites, as a public health problem and control of household pests were also studied.

Some additional scientific equipment necessary for the carrying on of the various projects has been obtained, and it is anticipated that further equipment will be secured as it becomes available. Plans are underway for a co-operative project with Dr. N. H. Topping, Laboratory of Infectious Diseases, National Institute of Health, Washington, D.C., on the probability of sheep acting as spotted fever reservoirs. This study will be started in the spring of 1946.

During the summer, the Director and Mr. H. B. Ball, B.Sc., Officer-in-charge of the field crew, visited the Laboratory of Hygiene at Kamloops, B.C., for the purpose of studying laboratory procedures in determining plague, spotted fever and tularaemia infection. This visit was of great value, particularly to the field crew, as it emphasized the necessity for taking extreme precautions in the field in order to ensure that the collected material would arrive at the laboratory in good condition. It is hoped that in the future the complete field crew will have an opportunity to spend at least a week in the laboratory. Such a training period should be of great assistance in increasing their efficiency in the field.

In September, the Director was awarded a Travel Fellowship in the United States for a 10-week period by the International Health

Division of the Rockefeller Foundation. This Fellowship was for the purpose of studying the methods used in the control of insect-borne diseases. Some 38 States and 12 Universities were visited, where laboratory and field procedures were studied in detail. A great amount of information was collected, and this has been prepared as a report and submitted to the officials of the Alberta Department of Public Health and the Rockefeller Foundation.

During the summer, Dr. N. E. Wayson, Director, Plague Suppressive Measures Laboratory, San Francisco, accompanied by two members of his staff, visited our crew in the field. His visit was a great honour to us, and we learned much from him. Dr. F. A. Humphreys, Bacteriologist, Director of the Laboratory of Hygiene, Kamloops, also visited the crew in the field.

Dr. W. A. MacIntosh, Rockefeller representative in Canada, visited the division during the early part of the summer.

During 1945, as it was impossible to obtain a second panel truck, one three-man crew was put into the field. The addition of the third man almost doubled the amount of field work accomplished, but, unfortunately, it did not increase the amount of territory surveyed. It only gave a more intensive coverage. It is hoped that the crews will be in the field in 1946, as it is vital that we get extensive coverage if we are to completely survey the Province.

Rocky Mountain Spotted Fever Survey.

The increased efficiency of the three-man crew is reflected in the amount of work accomplished. A total of 2,532 ticks were taken in 65 collections. Of these, 26 were drag collections and yielded 1,740 adult spotted fever ticks, and 39 collections were made from 549 host animals, mainly ground squirrels (gophers), and gave a total of 792 ticks. The latter were mostly *Ixodes sculptus* and *nymphs of D andersoni.*

The following table, Table 1, gives the total tick collections by districts:

TABLE 1.

TOTAL COLLECTIONS BY DISTRICTS

District No.	Name	No. of Coll.	Ticks Drag	Ticks Host	Ticks Animals	Positive Tul.	Positive S.F.
11	Manyberries	2	....	32	9	....	....
21	Medicine Hat	16	698	7	19	1	1
22	Bow Island	2	49	....	....	....	....
23	Lethbridge	7	542	....	....	....	....
32	Brooks	9	365	436	116	....	....
33	Bassano	2	86	14	21	....	....
41	Empress	10	....	168	149	....	....
42	Cessford	5	....	38	69	....	....
43	Hussar	1	....	7	9	....	....
51	Consort	4	....	52	55	....	....
52	Hanna-Youngstown	5	....	30	67	....	....
53	Drumheller	2	....	8	35	....	....
	Total	65	1,740	792	549	1	1

One collection, number 1-6-45 made on 17-10-7 W. 4th, at Seven Persons, and consisting of 68 drag ticks, was positive for both *Dermacentroxenus rickettsia* and *Pasteurella tularaensis.* This is a new spotted fever area, but tularaemia infection had been previously found there.

No human cases of spotted fever or tularaemia were reported during the year.

The vaccination clinics operated at Manyberries, Redcliff, and Thelma with 1,042 persons receiving protection. Both tick-type

and chick-embryo spotted fever vaccines were used at the various clinics, but no serious reactions were noted. The procedure followed was to give all those appearing for the first time three inoculations one week apart of one c.c. each, except at Thelma where all persons were given two inoculations of two c.c's each one week apart; previously vaccinated persons were given two inoculations of two c.c's each.

TABLE 2.

AGE AND SEX GROUPS OF PERSONS VACCINATED AT THE VARIOUS CLINICS DURING 1945

Age Group	Manyberries			Redcliff			Thelma			Totals		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
0-10	78	82	160	118	99	217	21	22	43	217	203	420
11-20	38	46	84	75	74	149	16	11	27	129	131	260
21-30	29	33	62	40	11	51	2	7	9	71	51	122
31-40	19	18	37	25	26	51	11	8	19	55	52	107
41-50	16	18	34	12	7	19	4	2	6	32	27	59
51-	29	11	40	11	5	16	3	....	3	43	16	59
Unknown	4	4	8	1	4	5	1	1	2	6	9	15
Total	213	212	425	282	226	508	58	51	109	553	489	1042

Sylvatic Plague Survey.

A total of 99 collections consisting of 1,227 animals, mostly ground squirrels (gophers), were made and they yielded 3,217 fleas and 85 tissue specimens. Twelve flea collections and two tissue specimens were positive for *Pasteurella pestis.*

All of the plague positive collections were from new areas. Plague infection is now known to be present in the following localities:

TABLE 3.

TOWNSHIPS INFECTED, GIVING NAME OF NEAREST POST-OFFICE, AND YEAR INFECTION FOUND

Twp.	Rge.	Mer.	Post Office	Year	Twp.	Rge.	Mer.	Post Office	Year
15	9	W4	Suffield	1942	28	5	W4	Excel	1945
15	9	W4	Suffield	1942	28	13	W4	Rose Lynn	1942
17	14	W4	Brooks	1945	28	14	W4	Rose Lynn	1945
24	8	W4	Kinmundy	1945	28	15	W4	Lonebutte	1942
24	9	W4	Cabin Lake	1945	29	2	W4	Sibbald	1945
25	12	W4	Pollockville	1945	30	5	W4	Sedalia	1945
26	6	W4	Heathdale	1945	31	10	W4	Resist	1939
26	12	W4	Carolside	1945	31	11	W4	Stanmore	1940
27	9	W4	Colholme	1941	31	11	W4	Stanmore	1942
26	15	W4	Burfield	1942	32	10	W4	Sancroft	1940
27	9	W4	Colholme	1942	32	11	W4	West Wingham	1940
27	13	W4	Carolside	1942	32	11	W4	West Wingham	1942
28	3	W4	Benton	1945	32	14	W4	Dowling	1942
28	4	W4	Oyen	1945					

It is interesting to note that since 1943 the field crews have been using "Flea-Index" as a means of locating plague infection with exceptional results. All the areas located last year had previously been classified as "suspicious" on account of the high flea-index. This is particularly true of the Brooks area.

The following table, Table 4, records all of the plague positive collections for the period 1938-1945 inclusive:

TABLE 4.

PLAGUE POSITIVE COLLECTIONS, 1939-1945

Year	No. of Colls.	R.G.S.	Fleas	Tiss.	Flea Index	Positive Flea	Positive Tiss.	Total Positives
1939	1	1	2	1	2.0	1	1	2
1940	6	172	450	5	2.6	5	1	6
1941	1	1	....	1	....	....	1	1
1942	10	212	551	24	2.4	10	1	11
1943	....	....	....	....	....	....	....	....
1944	....	....	....	....	....	....	....	....
1945	12	161	508	12	2.6	12	2	14
Total	30	541	1511	43	2.7	28	6	34

Tularaemia.

A comprehensive report on 40 human cases of tularaemia that occurred in Alberta during the period 1931-1944 is now being completed, and is to be published in the near future. It is hoped that this report will arouse the interest of the medical profession as to the necessity for laboratory substantiation of clinical findings.

Rat Survey.

It is expected that the report on Rat Distribution in Western Canada will be completed in 1946. This report contains detailed information as to the rat distribution with particular reference to their proximity to the known plague areas.

During 1945 five rats were found and destroyed in the City of Edmonton, and one rat was killed in Calgary. All of these rats were *Rattus norvegicus*—the Norway rat.

Extension and Publications

Extension.

The division was not able to fill the requests from various organizations for information on the control of insects and insect-borne diseases, although efforts—even to the extent of holding three meetings a day, were made. These demands reflect the interest of the public in this type of prevention work. It is hoped that in the future more time can be devoted to educational and extension work. It is estimated that around 8,000 persons were contacted through the medium of meetings.

Publications.

On account of the many requests received, this division found it necessary to prepare a series of leaflets on the control of insect pests in the home. The following leaflets were printed and distributed:

1. Sylvatic Plague.
2. Control of Bedbugs in the Home.
3. Methods of Control for Cockroaches and Silverfish.
4. Louse Control.
5. The Spotted Fever Tick in Alberta.

In accordance with the policy of this division, scientific papers on various phases of its work were prepared and published. During 1945, the following papers were published:

1. Tick-Borne Diseases of Man in Alberta. M. R. Bow, B.A., M.D., C.M., D.P.H., and J. H. Brown, B.Sc. (Agric,), M.Sc. Can. Med. Assoc. Jour. 53:459-465. 1945.
2. Sylvatic Plague: Infection in Richardson Ground Squirrel, Citellus richardsonii Sabine, in Alberta. M. R. Bow, B.A., M.D., C.M., D.P.H., and J. H. Brown, B.Sc. (Agric.), M.Sc. Can. Jour. of Med. Tech. 7:(1), March, 1945.
3. The Rabbit Tick, Haemaphysalis laporis-palustris Pack as an Ectoparasite of Man. J. H. Brown, B.Sc. (Agric.), M.Sc. Canadian Entomologist. September, 1945.

Personnel.

Mr. H. B. Ball, B.Sc., 3 third year medical student, was Officer-in-charge from May 1st to August 1st. He was assisted by Mr. G. J. Nicholson, second year medical student, and Mr. F. Scott, second year medical student. In August, Mr. Hall requested leave-of-absence, and Mr. Nicholson became Officer-in-charge. Mr. D. McMillan, second year medical student, was taken on to complete the crew. All of the men produced work of high calibre.

Public Health Nursing Division

(HELEN G. MCARTHUR, M.Sc., *Superintendent*)

Staff Situation.

In keeping with the uncertainty of the times, our staff has fluctuated considerably during the past year. In comparison to the year ending December 31, 1940, there have been actually twice the number of staff changes. Nine of our nurses resigned to take up married life, although three of them are still giving us much appreciated part time assistance. Two left the staff to take positions in Health Units, one to return to hospital nursing, one to attend University, and one for reasons pertaining to health; while one was granted leave of absence in order to take the Advanced Course in Practical Obstetrics at the University of Alberta. On the other hand, there were nine new appointments, two of whom, Miss A. Evans and Miss G. White, came to us from the Armed Forces. Two nurses also returned to the staff from leaves of absence. One of these, Miss O. F. Watherston, has been on the Provincial staff for 24 years, and her five-year leave was to enable her to serve with the British Nursing Services during the war.

In addition to the changes in the field staff, Miss Jean Clark, Assistant Superintendent of Nurses, left the head office for a one-year leave of absence. Miss Clark received a Rockefeller Fellowship to Johns Hopkins University, and is taking her Master's Degree in Public Health. Miss Sheila MacKay, previously stationed in the Hemaruka district, came into the office as Acting Assistant Superintendent.

We are proud to make special mention at this time of Miss Blanche Emerson of the Edmonton Child Welfare Clinic, who this year completed 25 years of service with the Nursing Branch.

Districts Functioning.

Largely because of staff shortage, there have been no new districts provided with nursing services under the Division of Public Health Nursing during the past year, though there have been numerous requests for such service. The list of established areas is still as follows:

Urban.—Calgary, Edmonton, Medicine Hat, Drumheller, Vegreville.

Rural.—Worsley, Hines Creek, Bonanza, Blueberry Mountain, Maloy, Mackay, Peers, Fawcett, Dixonville, Newbrook, Foremost, Plamondon, Breynat, Tulliby Lake, New Brigden, Vauxhall, Warburg, Lomond, Valley View, Smith, Tangent, Grouard, Kinuso, Whitemud Creek, Fort Assiniboine, Whitecourt, Lindale, Pendryl, Alder Flats, Bow Island, Hilda, Youngstown, Sunnynook, Craigmyle, Grassland, Hemaruka.

In addition, supervision was again provided for the one-nurse Health Units throughout the Province. These are: McLennan-Spirit River Health District at McLennan; Athabasca Healt District at Colinton; Pembina Health District at Westlock; Wheatland Health District at Strathmore; Brooks Health District at Brooks; McLeod-

Pincher Health District at Granum; Rocky Mountain House Health District at Rocky Mountain House.

Unification of Staff Effort.

All in all, the capacity of feild staff functioning under this division is 48 nurses, and needless to say, it is desirable that they be provided with adequate guidance and supervision. This has not been possible to any great extent, however, as the administrative work of the division alone is enough to keep the Superintendent and her part-time assistant fully occupied. Twenty-three areas were paid one or more supervisory visits during the year, whereas several visits per year to *each* area would often be desirable.

Contact has, of course, been maintained as closely as possible through bi-monthly letters to each nurse as well as a general News Letter of approximately 12 mimeographed pages which goes out to the entire staff every three to four months. These latter are designed to keep the nurses in the field up to date on new developments in records, new drugs, new advancements in medical science applicable to their work, and so on.

In addition, the staff again met together for the Annual Spring Conference. Guest speakers led discussions on topics such as Skin Diseases, Surgical Procedures, Treatment of Burns, and Obstetrics in relation to district nursing. As many as possible also attended the annual meeting of the Alberta Public Health Association in the fall. But while these means have been effective in the general unification of the staff programme, they have not and cannot be of use in coping with the problems which are constantly arising for the individual nurse. Not only does time not permit conferences with each nurse on these occasions, but the problems of each district are not static, and they are different in scope and in nature from those of other districts. To be handled effectively, therefore, they should be studied on the actual ground by a staff of field supervisors.

Revision of Records.

The system of record keeping in the districts has been improved and standardized this year. Provision has been made for the development of complete family folders on all families receiving the service, and it is expected that these will be a powerful tool for ensuring continuity of treatment as well as for forming a very good basis for determining the health needs of each family.

The former antepartum, labour, and post-partum records were exchanged for more comprehensive forms based upon those used by the Maternity Centre Association in New York for both noting patient's progress and as a teaching device. Our nurses have found the new forms to be excellent guides for the care of maternity cases as well as an effective means of filing their cases.

As the former monthly report forms included mainly the treatment services of the nurses in the field, it has long been the desire of the head office to so revise it as to do some justice to the extensive teaching and preventive programme carried on by all members of the staff. This was partially achieved through the medium of a new form for use in the coming year, although even yet the work of the nurses cannot be fairly estimated. It is impossible to itemize the constant advice and guidance regarding health matters which they provide in their offices and in their home visiting service.

School and Child Welfare reports have also received revision, while the use of a work sheet designed to aid the district nurse in estimating her own work each month has been inaugurated.

Manuals and Standing Orders.

A step was taken this year in meeting the necessity for more written guidance in the field with the preparation of an Obstetrics Manual adapted to district nursing work. This Manual sets out a complete roster of standing orders for antepartum, delivery and postpartum care. It is proving of inestimable value, and we would like to take this opportunity to express our appreciation for the time and labour expended on its preparation by Mrs. Barbara Eben, R.N., B.Sc., and for the assistance of Dr. Vant, Professor of Obstetrics and Gynaecology of the University of Alberta, who provided much of the necessary material.

The standardization of drug supplies has been another big standing need. It has always been a matter of considerable confusion for new nurses to find themselves facing cupboards filled with heterogeneous supplies of drugs bearing strange trade names and ordered to fit the former nurses' varied ideas on materia medica. A basic list of drugs to form a uniform stock supply in each district was therefore compiled and issued this year, and it is hoped that the preparation of a complete drug manual may be effected in the coming year.

It is also hoped that a nutrition manual with a practical application to district problems may be prepared in the near future.

Treatment Service.

During 1945, Provincial District Nurses in 36 centres made 6,220 home visits and received 26,276 patients for office consultation—a number approximately the same as that of 1944. The proportion of medical cases as opposed to surgical cases also remained approximately the same with a total of 15,530 medical cases and 2,768 of a surgical or first aid nature. There were 1,161 cases of various types sent out from the districts to nearby doctors or to hospital, while the number of dental extractions rose from 163 in 1944 to 297 in 1945, which would seem to indicate that the lack of dental care is still acute in our outlying areas. In the field of dental health, of course, the greatest work of the nurses lies in education for prophylaxis, and we do not consider it advisable for them to perform actual treatment unless it seems uavoidable. There were 1,208 cases of communicable diseases, a slightly lower number than last year, and a total of 17 deaths in the age group under 1 year and 42 over 1 year, reported. Visits made by district nurses to Indian Reserves dropped to eight as compared to last year's 42.

In the matter of fees we can report considerable improvement. Despite the fact that there have been no charges whatsoever made for delivery of maternity cases, where once these comprised one of the largest sources of revenue, the fees rose to $9,224.84—an increase of almost $1,000.00 over the 1944 total, and an amount which fully covers the cost of drugs and equipment supplied by the division to the districts.

Maternal and Child Welfare in Rural Areas.

As a result, no doubt, of the free maternity hospitalization which came into effect in the Province in April of 1944, there has been a gradual reduction in the home deliveries handled by the Provincial

District Nurses. The number this year was 168 as contrasted with the 224 of 1944. The number of abortions cared for, however, rose from 56 in 1944 to 82 this year. The number of antepartum home visits also rose from 331 last year to 564 this year, though the number of antepartum consultations again averaged 1,450. The antepartum service of the district nurses covers, of course, all maternity cases in their districts, whether the delivery is scheduled to take place at home or in hospital.

In the child welfare field the district nurses increased their activity considerably. The total of their child welfare visits rose from 433 in 1944 to 488 this year, as well as 141 pre-school visits.

We might note here that the Division of Health Education has relieved the Nursing Division of the task of sending out child and maternal welfare literature to all maternity cases reported from the districts.

Child and Maternal Welfare in Urban Areas.

Child welfare was promoted to a large extent through some 570 clinics held in Edmonton, Calgary, Bowness, Medicine Hat, Redcliff, Vegreville, Drumheller and surrounding districts. These clinics were attended by a total of 18,992 babies and 4,380 pre-school children.

Edmonton.—Miss B. Emerson, Supervisor of the Edmonton Clinics, reports that the offices were moved to the New Market Building, and are now clean, bright and comfortable. There were 1,804 new cases admitted, which number exceeds that of any other year. Large numbers of babies were discharged when their parents left for their homes in the U.S.A., and a great many British born babies were admitted with the return of overseas servicemen and their wives.

Drs. Folinsbee, Newell and Collins gave untiring effort on the part of the service.

Calgary.—Miss M. F. Lavell, Supervisor of the Calgary Child Welfare Clinic, reports an increase in attendance of 226 over that of last year, and from a birth registration of 1,539 in 1939, 1,072 have attended the clinic before reaching school age.

About 289 visits were made to 58 Baby Shelters registered with the Provincial Government, and 597 children were placed for boarding.

In September, Dr. E. B. Roach, who had been with the clinic since its beginning in 1922, retired. This has been a great loss, and so far he has not been replaced.

Medicine Hat and Redcliff.—Miss M. E. Hagerman, Supervisor of the Child Welfare Clinic at Medicine Hat and Redcliff, reports the establishment of pre-natal clinics for the first time in Medicine Hat. The V.D. work was continued, as well as assistance in the programme of vaccination against Rocky Mountain Spotted Fever at Manyberries, Redcliff and Thelma. Miss Hagerman also reports continuing her one-day Baby Clinics in rural centres as well as immunization in some of the schools in outlying areas.

A good deal of social work is necessary in this area in such matters as child placement, emergency relief, etc., and Miss Hagerman adds these to her other duties.

Drumheller.—Miss H. Wilson reports that a generalized public health programme was carried out during the past year with emphasis on Child Welfare, Immunizations, and Tuberculosis work.

An increase is reported in the attendance at the baby clinics, with 52 clinics held and a total attendance of 1,312, an increase of 506 over last year.

X-ray clinics were held in the Drumheller haspital, and the nurse made appointments for 201 people and tuberculin tested 90 people.

Social service work and health education also figures very largely in Miss Wilson's programme.

Vegreville.—Miss M. Black, Supervisor of the Vegreville centre, is also engaged in a generalized public health nursing programme with regular baby clinics and an extensive school programme.

STATISTICAL REPORT

EDMONTON, CALGARY, MEDICINE HAT, DRUMHELLER AND VEGREVILLE COMBINED

Babies:

Number in attendance	18,992
New cases admitted	3,442
Out-of-town cases	618
Referred to family doctor	134
Discharged	3,118
Deaths	10
Number of names on roll	8,048
Transferred to P.S. Clinic	1,236
Breast-fed	2,666
Bottle-fed	10,144
Other feeding	5,073
Nutrition	223
Rickets	10
Skin	428
Eyes	120
Ears	46
Nose and throat	268
Phimosis	209
Hernia	127
Congenital conditions	11
Intestinal disturbonces	127
Orthopaedic	12
Chest	69
Mental defects	9

Baby visits	4,479
Pre-school visits	2,089
Pre-natal visits	38
Number pre-natal cases referred	22
Social service	6
Canadian Institute for the Blind	2

Total number of visits	6,778
Number of clinics held	574
Total attendance	26,978
Total number seen by doctor	6,347
Home visits re inoculations	41
Home nursing classes	2
Attendance	14

Pre-School:

Number in attendance	4,380
New cases admitted	750
Old cases re-admitted	84
Out-of-town cases	104
Referred to family doctor	41
Discharged	1,632
Deaths	3
Number of cases on roll	6,944
Nutrition	18
Skin	48
Other conditions	12
Eyes	5
Ears	5
Nose and throat	25
Tonsils and adenoids	131
Phimosis	4
Hernia	3
Congenital conditions	8
Orthopaedic	10
Teeth	626
Chest	6
Mental defects	1

Special visits	156
T.B. visits	39
Baby shelters	292
Private hospitals	37
T.B. clinics	7
Attendance	629

Letters written	7,324
Average attendance	47.3
Pre-natal classes	3
Attendance	9
First Aid classes	3
Attendance	29

Immunization.

During the year the Public Health Nurses in the urban centres of Medicine Hat, Vegreville and Drumheller as well as in the district nursing centres increased their efforts to immunize the members of their communities, and gave 31,504 inoculations against Diphtheria, Whooping Cough, Scarlet Fever and Typhoid, some 8,399 more doses than last year; 5,523 individuals were vaccinated against Smallpox, 1,339 more than the staff gave during 1944, in an attempt to get a protected population in the face of possible epidemics during the post-war period.

School Inspections.

Thirty-four districts, including Medicine Hat, Drumheller and Vegreville, reported the following school work:

STATISTICAL REPORT

Number individual inspections	5,079	Number correction of defects	478
Number with suspected defects	3,203	Number classroom talks	184
Defective vision	915	Sanitary inspection of schools	306
Defective hearing	155	Number consultations with teachers	262
Diseased tonsils	1,190	Number consultations with parents	317
Unsound teeth	1,890	Number school follow-up home visits	230
Eye diseases	52	Number pre-school children seen at school	15
Ear diseases	18	Visits to cases, contacts and suspects communicable disease	2
Enlarged cervical glands	323	Number cases quarantined or isolated	1
Enlarged thyroid glands	264	Measles	1
Malnutrition	372	Chickenpox	7
Nervous disorders	111	Other conditions	53
Faulty posture	225	Interviews	45
Orthopaedic defects	7	Number lectures	5
Ringworm	22	Attendance	94
Impetigo	72	Literature distributed (approx.)	181
Scabies	104		
Pediculosis	33		
Other skin conditions	107		
Number exclusions, suspect communicable diseases	147		

Health Education.

Though the old problem of transportation remains a stumbling block to the organization of a formal programme of health education by the district nurses, they are continuing with a programme of incidental teaching, which is perhaps more effective than formal teaching could ever be. Advice and guidance in health matters is an integral part of their everyday service—of every office consultation, every school inspection, and every home visit which they make. They are able to distribute health literature where it is most applicable, and they are also alive to every opportunity for working with local school and community groups in practical health projects.

Members of the staff continue to co-operate with the Division of Health Education in addressing such groups as teachers' conventions, adult education groups, and local clubs on topics pertaining to health and the work of the Department in the Province, as well as in the production of radio programmes illustrating public health nursing in Alberta.

Miscellaneous Activities.

The Division of Public Health Nursing again co-operated with the University of Alberta in arranging for field work in rural and urban areas for their Public Health Nursing and Home Economics students. Student nurses from various hospitals have also been given periods of instruction in Well-baby Clinics.

In the field the district nurses have been instrumental in facilitating the services for every division of the Department as well as for various other provincial and national organizations.

The Public Health Nursing Division would like to express its appreciation for the assistance of allied social welfare groups in the Province. The Canadian National Institute of the Blind, I.O.D.E., Women's Institutes, U.F.W.A. Locals, Kinsmen's Clubs and others. In the rural areas our nurses have also been greatly helped by members of the medical profession, hospital staffs and teachers of the local schools.

Finally, this report would not be complete without the inclusion of a word of commendation for the members of the staff. When it

is considered that they have carried on programmes in almost every field of health, often under the most trying of circumstances and certainly during most trying times, the value of their work cannot be expressed in figures or in words. Theirs is a great work, and great also is their will to do it.

To the local committees must also go a great deal of credit for the improvements they have made to the nurses' cottages.

Hospitals Division

(Dr. A. Somerville, D.P.H., *Director*)

The Hospitals Division is responsible for the supervision of all hospitals in the Provice that come under The Hospitals Act and The Private Hospitals Act". This responsibility takes several forms, but mainly in the collection of statistics, inspection of hospitals, distribution of hospital grants, distribution of grants under The Maternity Hospitalization Act, checking on plans for new buildings and on proposed changes in old hospital buildings, and in a general way acts in an advisory capacity especially for smaller hospitals.

During 1945 the trend toward municipalization has continued in rural Alberta, with seven more hospitals entering the municipal class. In addition to the 38 hospitals operating under The Municipal Hospitals Act, 12 hospitals were owned and operated by municipalities.

Staff has continued to be a very difficult problem particularly in the nursing field, and particularly in the smaller hospitals which are distant from the urban centres. Ward aides are being used in many hospitals, and in some hospitals are being given responsibilities for which they have not been adequately trained.

The Maternity Hospitalization Act has continued to operate to the satisfaction of all concerned.

Approved Hospitals.

In Alberta, approved hospitals are those which comply with the provisions of The Hospitals Act and thus are entitled to the Provincial Hospitals Grant. At the end of 1945 there were 96 such hospitals, divided as follows:

	1945	1944
Catholic	29	32
Protestant	7	7
Municipal	38	31
Municipally operated	12	13
Community	3	4
Industrial	4	3
Service Groups	2	4
University	1	1
	96	95

Private Hospitals.

At December 31, 1945, there were a total of 35 hospitals operating under The Private Hospitals Act, with the changes as follows:

Private Hospitals, December 31, 1944	37
Discontinued during 1945	6
New Private Hospitals, 1945	4
In operation December 31, 1945	35
Total beds December 31, 1945	270

These hospitals were giving service as follows:

Chronic and convalescent	11
Obstetrical	11
Obstetrical and chronic	1
Medical and surgical	6
Medical, obstetrical and minor surgery	6
	35

The private hospitals doing surgery are usually operated by doctors as part of their contract with mines or miners' unions.

Baby Shelters.

Baby shelters are licensed under The Private Hospitals Act, and there were 57 operating under this Act during 1945, or an increase of 20 over 1944. These shelters are routinely inspected by Provincial Public Health Nurses, and only occasionally is an inspection made by the Medical Inspector of Hospitals.

Statistics.

The following statements are submitted giving the details of each approved hospital in the Province:

No. 1—Bed capacity, number of patients, etc.

No. 2—Patient days.

No. 3—Staff.

No. 4—Nursing statistics, cases treated.

No. 5—Surgical operations, infections, deaths and other hospital statistics.

No. 6—Expenses of administration, professional care, kitchen and dining room, general house and property, and maintenance.

No. 8—Costs per patient day and earnings per patient day with percentage of costs over the different divisions of expenses.

For convenient reference the statistical totals appearing in the above mentioned statements are condensed in the following tables. The totals for the year 1944 are also shown so that a convenient comparison can be made.

HOSPITAL BEDS

	1945		1944	
	Capacity	Complement	Capacity	Complement
Adult beds	4588	4720	4665	4667
Cribs	452	502	524	525
Bassinettes	863	956	945	940
Total	5903	6178	6134	6132
Beds per 1,000 population*	6.1	6.2	6.3	6.3
Patients accommodated per bed per year	.....	25.3	.....	21.9

*Excluding bassinettes.

The reduction in bed capacity is not due to a reduction in beds, but is due to a correction in the reports of some hospitals covering their bed capacity.

PATIENT DAYS

	1945	1944
Adults and children	1,309,466	1,286,049
Newborn	189,563	179,594
All patients	1,499,029	1,465,643

PATIENTS UNDER CARE DURING YEAR

	1945	1944
Number of adults and children	125,666	116,673
Average stay	9.3	10.9
Number of newborn	18,242	17,589
Average stay	10.4	10.1
Total patients	143,908	134,262
Average stay	9.4	10.8
Average in hospital daily	4,107	4,015
Per cent of population in hospital daily	.50%	.49%
Per cent of population admitted per year	17.4%	16.4%

STAFF

	1945	1944
Administration:		
Executive	103	84
Clerical	243	190
Professional:		
Salaried doctors	31	28
Internes	21	30
Technicians	116	95
Nurses:		
Total	1,854	1,679
Graduate	829	760
Student	739	802
Probationers	221	94
Affilates	65	23
Graduate dietitians	17	21
Student dietitians	6	6
Orderlies and ward helpers	368	383
Other employees	1,348	1,226
Total Staff	4,107	3,742

ANAESTHETICS

General	33,131	32,761
Spinal	9,403	7,370

INFECTIONS DEVELOPED IN HOSPITAL

Medical	86	43
Surgical	122	133
Obstetrical	95	102

COMMUNICABLE DISEASE CASES HOSPITALIZED

Tuberculosis*	585	447
Typhoid	35	98
Others	1,608	2,159

*Excluding Central Alberta Sanatorium.

BIRTHS (EXCLUDING INDIANS) IN APPROVED HOSPITALS

Total number live births	17,764	17,128
Live births—Male	9,109	8,721
Female	8,655	8,407
Total number still born	319	307
% births in hospital to total births in Province (excluding Indians)	93.8%	91.5%

DEATHS IN HOSPITAL

Total*	3,241	3,387
Within 10 days after surgery	252	254
Within 48 hours after admission	784	908
From communicable diseases	49	67
Maternal	29	20
Maternal per 1,000 live births	1.63	1.16

*Excluding stillbirths.

EXAMINATIONS DONE

Post-mortem	709	767
Laboratory	397,802	380,363
X-Ray	90,275	73,007

NURSES TRAINING

Number of schools	11	11
Number graduated	306	260

FINANCIAL

	1945	1944
Total operating revenue	$6,710,085.66	$5,892,693.00
Total operating cost	6,272,273.73	5,540,143.68
Revenue per patient day	4.48	4.02
Cost per patient day	4.18	3.78
% of Cost:		
Administration	9.9%	10.2%
Professional care	40.1%	38.7%
Kitchen and dining room	23.7%	23.7%
General house and property	17.7%	18.1%
Maintenance	8.6%	9.3%

It will be noted that the total operating cost for all approved hospitals in Alberta for the year increased nearly three-quarters of a million dollars. The operating cost figures, of course, are exclusive of capital and reserve. From the breakdown of the cost, it will be noted that the increase in cost of professional care for a patient is responsible for the increase in the total operating cost. Higher salaries, increased professional staff and the high cost of some of the new medicines, such as penicillin, are no doubt the cause of the increase in professional care.

TABLE No. 1

Hospitals	Bed Capacity — Number				Bed Complement — Number				Classification (Beds, Cribs)							Patients Under Care During Year						Total
	Adult	Cribs	Bassinets	Total	Adult	Cribs	Bassinets	Total	General Med. and Surgery	Obstetrics	Tuberculosis	Contagious Diseases	Incurables	Isolation	Others	M. Adults and Children	F. Adults and Children	M. Newborn	F. Newborn	M. Total	F. Total	
Athabasca, Municipal	31	3	7	41	38	3	7	48	30	7	....	....	....	3	1	336	462	52	60	388	522	910
Banff, Mineral Springs	75	1	4	80	85	1	4	90	83	3	....	....	....	....	....	317	289	17	13	334	302	636
Barrhead, St. Joseph's	30	4	5	39	27	4	13	44	18	13	....	....	....	....	....	302	418	74	53	376	471	847
Bassano, Municipal	24	2	6	32	24	2	6	32	18	8	....	....	....	....	....	187	328	46	54	233	382	615
Beaverlodge, Municipal	9	....	5	14	10	2	6	18	7	11	....	....	....	....	....	131	224	50	59	181	283	464
Bentley, Community	7	....	4	11	10	1	4	15	11	....	....	....	....	....	....	117	134	12	8	129	142	271
Berwyn, R. A. P.	11	....	4	15	15	1	5	21	12	4	....	....	....	....	....	225	227	24	24	249	251	500
Bonnyville, St. Louis	26	5	7	38	33	8	8	49	33	8	....	....	....	....	....	336	663	65	70	431	733	1,166
Bonnyville, K. H. P.	13	....	5	18	21	2	5	28	11	8	....	4	....	....	....	106	239	38	28	144	267	411
Brooks, Municipal	20	4	7	31	18	4	8	30	18	4	....	....	....	....	....	311	442	59	58	370	500	870
Calgary, General	295	27	60	382	295	27	60	382	227	49	....	....	....	....	46	3,405	5,929	699	649	4,104	6,578	10,682
Calgary, Isolation	78	12	....	90	72	17	....	89	....	....	....	89	....	....	....	93	108	....	....	93	108	201
Calgary, Holy Cross	268	27	40	335	268	27	40	335	215	43	....	....	....	10	27	3,126	5,172	654	594	3,780	5,766	9,546
Calgary, Junior Red Cross	25	25	....	50	35	25	....	60	....	....	....	....	....	....	60	57	68	....	....	57	68	125
Calgary, Salvation Army Grace	17	....	17	34	25	....	28	53	....	25	....	....	....	....	....	....	520	251	229	251	749	1,000
Camrose, St. Mary's	44	4	12	60	46	4	15	65	34	15	....	1	....	....	....	743	1,240	192	197	935	1,446	2,381
Canmore, Canmore Hospital	12	1	4	17	12	1	4	17	11	2	....	....	....	....	....	146	133	15	14	161	147	308
Cardston, Municipal	28	2	12	42	29	3	9	41	24	8	....	....	....	....	....	388	716	96	77	484	793	1,277
Carmangay, Little Bow Municipal	18	2	4	24	17	1	4	22	14	4	....	....	....	....	....	119	146	8	11	127	157	284
Castor, Our Lady of the Rosary	23	2	7	32	28	2	8	38	22	8	....	....	....	....	....	260	344	41	38	301	382	683
Cereal, Esler	9	....	5	14	8	2	5	15	Not classified						....	94	105	22	12	116	117	233
Claresholm, Municipal	29	....	4	33	33	2	5	40	33	2	....	....	....	....	....	398	592	68	55	466	647	1,113
Cold Lake, John Neil	18	3	6	27	18	3	6	27	15	6	....	....	....	....	....	60	117	17	20	77	137	214
Coleman, Miners' Union	13	1	....	14	13	....	....	13	13	....	....	....	....	....	....	196	163	....	....	196	163	359
Consort, Municipal	18	2	7	27	16	....	7	23	10	5	....	....	....	....	....	127	289	30	20	157	309	466
Coronation, General	21	2	4	27	20	2	4	26	16	4	....	....	....	2	....	202	277	35	33	237	310	547
Desmarais, St. Martin's	18	2	2	22	18	2	2	22	20	....	....	....	....	....	....	58	110	8	4	66	114	180
Didsbury, Municipal	25	....	....	25	25	1	12	38	15	11	....	....	....	....	....	100	170	27	31	127	201	328
Drumheller, Municipal	82	4	14	100	82	4	14	100	70	12	....	....	....	4	....	1,516	1,662	123	124	1,639	1,786	3,425
Eckville, Municipal	16	2	....	18	16	2	5	23	12	6	....	....	....	....	....	276	427	49	39	325	466	791
Edmonton, Beulah Rescue Home	10	4	8	22	10	4	8	22	....	6	....	....	....	8	....	2	151	77	54	79	205	284
Edmonton, General	297	33	27	357	297	33	27	357	167	22	141	....	....	....	....	2,085	3,513	351	351	2,436	3,864	6,300
Edmonton, General, T.B. Division	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	142	151	....	....	142	151	293
Edmonton, Misericordia	234	18	62	314	226	18	62	306	190	52	....	....	....	2	....	2,558	4,740	689	676	3,247	5,416	8,663

Edmonton, Royal Alexandra	417	65	58	540	417	65	58	540	260	58	37	....	....	65	62	4,599	7,398	980	919	5,579	8,317	13,896
Edmonton, Isolation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	328	343	....	....	328	343	671
Edmonton, Isolation, T.B. Division	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	34	28	....	....	34	28	62
Edmonton, University of Alberta:	596	19	30	645	596	19	30	645	246	30	22	....	....	....	317	2,639	3,306	298	304	2,937	3,610	6,547
(a) D.V.A.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2,826	12	....	....	2,826	12	2,838
(b) Orthopaedic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	....	....	....	3	....	3
(c) Polio	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	14	20	....	....	14	20	34
(d) T.B. Division	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	35	....	....	....	35	....	35
Edson, St. John's	34	3	5	42	32	3	5	40	27	7	....	1	....	....	....	432	364	55	60	487	424	911
Elk Point, Municipal	29	....	7	36	42	4	10	56	32	14	....	....	....	....	....	513	986	71	91	584	1,077	1,661
Empress, Cottage	25	2	6	33	20	....	5	25	13	2	....	5	....	....	....	269	330	39	43	308	373	681
Fairview, Community	13	....	....	13	13	2	5	20	14	....	....	1	....	....	....	243	317	42	44	285	361	646
Ft. McMurray, St. Gabriel's	14	4	4	22	14	4	4	22	18	2	....	....	....	2	....	137	215	31	25	168	240	408
Ft. Smith, General	34	6	6	46	31	6	6	43	29	4	4	....	....	....	....	248	296	15	14	263	310	573
Ft. Vermilion, St. Theresa	9	....	4	13	8	....	4	12	4	4	....	....	....	....	....	38	84	22	17	60	101	161
Galahad, St. Joseph's	25	3	6	34	21	3	7	31	18	6	....	....	....	....	....	314	454	56	36	370	490	860
Grande Prairie, Municipal	36	....	6	42	42	2	16	60	38	6	....	....	....	....	....	552	762	128	90	680	852	1,532
Grimshaw, Battle River	5	....	....	5	9	1	4	14	10	....	....	....	....	....	....	89	147	27	26	116	173	289
Hanna, Municipal	46	4	9	59	44	4	9	57	35	9	....	....	4	....	....	338	546	80	59	418	605	1,023
Hardisty, St. Anne's	20	1	7	28	19	1	8	28	15	5	....	....	....	....	....	192	317	36	46	228	363	591
High Prairie, Providence	60	8	13	81	50	8	13	71	48	8	....	....	....	2	....	813	874	86	68	899	942	1,841
High River, Municipal	48	9	17	74	48	7	15	70	43	12	....	....	....	....	....	613	996	89	94	702	1,090	1,792
Innisfail, Municipal	33	3	8	44	36	3	8	47	30	9	....	....	....	....	....	367	523	93	52	460	575	1,035
Islay, Municipal	10	....	....	10	16	2	4	22	14	4	....	....	....	....	....	141	183	14	19	155	202	357
Jasper, Seton	15	....	4	19	14	2	5	21	14	2	....	....	....	....	....	154	87	10	10	164	97	261
Killam, General	16	1	3	20	16	1	3	20	13	4	....	....	....	....	....	195	294	44	28	239	322	561
Lacombe and District, Community	31	2	10	43	30	3	10	43	27	4	....	....	....	2	....	472	750	140	146	612	896	1,508
Lac la Biche, St. Catherine's	18	5	8	31	23	5	8	36	20	6	....	2	....	....	....	285	481	84	77	369	558	927
Lamont, Public	64	8	8	80	64	8	8	80	51	8	5	....	....	....	8	974	1,436	90	93	1,064	1,529	2,593
Lethbridge, Isolation	14	2	....	16	14	2	....	16	....	....	....	16	....	....	....	6	12	....	....	6	12	18
Lethbridge, St. Michael's	120	12	36	168	116	12	37	165	87	37	....	....	....	4	....	1,348	2,119	230	245	1,578	2,364	3,942
Lethbridge, Galt	106	8	18	132	98	6	18	122	87	17	....	....	....	....	....	1,123	1,949	213	182	1,336	2,131	3,467
Lloydminster, Municipal	47	6	14	67	52	6	14	72	43	11	....	....	....	4	....	612	1,086	103	97	715	1,183	1,898
Macleod, General	14	....	8	22	....	....	....	Not Reported							....	....	....	....	....	....	....	....
Magrath, Municipal	16	....	6	22	16	....	5	21	11	5	....	....	....	....	....	117	199	14	12	131	211	342
Mannville, Municipal	21	3	8	32	21	3	5	29	15	9	....	....	....	....	....	283	403	60	66	343	469	812
Medicine Hat, General	81	12	25	118	110	10	22	142	93	23	4	....	....	....	....	1,546	2,213	310	313	1,856	2,526	4,382
Medicine Hat, Isolation	9	2	....	11	12	2	....	14	....	....	....	14	....	....	....	5	3	....	....	5	3	8
Mundare, General	24	2	4	30	24	2	4	30	18	6	....	....	....	2	....	247	343	37	24	284	367	651
McLennan, Sacred Heart	25	4	4	33	28	3	7	38	18	9	....	....	....	1	3	442	622	79	72	521	694	1,215
Myrnam, Municipal	17	1	5	23	18	2	4	24	12	8	....	....	....	1	....	217	313	39	29	256	342	598
Nordegg, General	13	1	2	16	14	1	2	17	12	3	....	....	....	....	....	108	78	12	20	120	98	218
Olds, Municipal	21	2	6	29	19	2	9	30	15	6	....	....	....	....	....	201	411	72	67	273	478	751
Peace River, Municipal	20	....	4	24	23	3	6	32	21	5	....	....	....	....	....	344	495	41	43	385	538	923
Pincher Creek, St. Vincent's	23	2	6	31	23	2	7	32	22	3	....	....	....	....	....	240	350	59	44	299	394	693
Provost, Municipal	20	2	8	30	20	2	8	30	17	5	....	....	....	....	....	190	328	57	58	247	386	633
Radway, St. Joseph's	14	....	6	20	20	3	6	29	19	4	....	....	....	....	....	185	363	57	76	242	439	681
Raymond, Municipal	20	3	6	29	16	3	6	25	13	5	....	....	....	1	....	124	257	48	40	172	297	469
Red Deer, Municipal	50	2	10	62	56	9	15	80	51	14	....	....	....	....	....	773	1,422	176	156	949	1,578	2,527

TABLE No. 1—Continued

Hospitals	Bed Capacity (Number)				Bed Complement (Number)				Classification (Beds, Cribs)							Patients Under Care During Year						Total
																M.	F.	M.	F.	M.	F.	
	Adult	Cribs	Bassinets	Total	Adult	Cribs	Bassinets	Total	General Med. and Surgery	Obstetrics	Tuberculosis	Contagious Diseases	Incurables	Isolation	Others	Adults and Children		Newborn		Total		
Rimbey, St. Paul's	17	1	6	24	21	3	6	30	18	6	....	....	....	....	....	210	316	46	47	256	363	619
Rocky Mountain House	20	2	4	26	20	2	4	26	18	4	....	....	....	....	....	257	331	52	44	309	375	684
Smoky Lake, George McDougall	11	4	7	22	16	3	6	25	14	5	....	....	....	....	....	188	322	54	46	242	368	610
Spirit River, Holy Cross	14	3	4	21	15	6	5	26	21	....	....	....	....	....	....	189	274	20	33	209	297	506
St. Paul, St. Theresa	30	5	5	40	42	6	14	62	28	10	2	....	....	2	6	538	860	148	123	686	983	1,669
Stettler, Municipal	33	2	10	45	33	2	10	45	27	8	....	....	....	....	....	375	645	86	108	461	753	1,214
Taber, Municipal	22	5	4	31	29	5	7	41	29	5	....	....	....	....	....	400	636	74	85	474	721	1,195
Trochu, St. Mary's	20	2	6	28	20	2	6	28	16	6	....	....	....	....	....	176	337	50	47	226	384	610
Turner Valley, Oilfields General	13	....	6	19	16	2	8	26	13	5	....	....	....	....	....	221	293	61	48	282	341	623
Vegreville, General	81	6	12	99	70	9	16	95	64	12	....	3	....	....	....	872	1,448	107	126	979	1,574	2,553
Vermilion, Municipal	33	3	8	44	42	2	9	53	33	10	....	....	....	1	....	362	629	74	61	436	690	1,126
Viking, Municipal	24	2	8	34	21	2	6	29	17	6	....	....	....	....	....	199	340	42	47	241	387	628
Vilna, Our Lady's	13	4	3	20	15	3	4	22	14	4	....	....	....	....	....	68	147	25	32	93	179	272
Vulcan, Municipal	16	....	8	24	20	1	6	27	16	4	....	....	....	1	....	212	373	71	50	283	423	706
Wainwright, Municipal	17	2	4	23	24	3	7	34	23	4	....	....	....	....	....	295	387	64	58	359	445	804
Wayne, General	13	....	....	13	23	2	5	30	22	3	....	....	....	....	....	319	267	22	15	341	282	623
Westlock, Immaculata	26	4	9	39	32	4	9	45	24	10	....	....	....	2	....	652	931	121	128	773	1,059	1,832
Wetaskiwin, Community	44	3	10	57	41	5	11	57	31	13	1	1	....	....	....	558	1,014	153	168	711	1,182	1,893
Willingdon, General	24	5	5	34	25	6	6	37	23	6	....	....	....	2	....	328	508	59	61	387	569	956
Total	4,588	452	863	5,903	4,720	502	956	6,178	3,373	841	216	137	4	121	530	50,815	74,851	9,355	8,887	60,170	83,738	143,908
Less Patients in hospital at end of year															....	1,530	1,751	246	232	1,776	1,983	3,759
															....	49,285	73,100	9,109	8,655	58,394	81,755	140,149
Less D.V.A., Orthopaedic, Polio, and T.B. Division cases															....	3,111	279	....	....	3,111	279	3,390
															....	46,174	72,821	9,109	8,655	55,283	81,476	136,759

TABLE No. 2

Hospitals	TOTAL OF ALL PATIENT DAYS									Aver. No. Patients in Hospital Daily
	Total of all Patients Admitted			Total Patients Discharged or Died			Average Stay of Patients Discharged or Died			
	Adults and Children	Newborn	Total	Adults and Children	Newborn	Total	Adults and Children	Newborn	Total	
Athabasca, Municipal	5,956	1,209	7,165	5,930	1,182	7,112	7.57	10.94	7.98	19.6
Banff, Mineral Springs	28,516	333	28,849	25,173	327	25,500	46.79	11.27	44.97	79.0
Barrhead, St. Joseph's	5,620	1,291	6,911	5,825	1,336	7,161	8.28	10.68	8.64	18.9
Bassano, Municipal	5,534	873	6,407	4,493	865	5,358	8.98	8.92	8.97	17.5
Beaverlodge, Municipal	2,387	1,004	3,391	2,360	984	3,344	6.80	9.55	7.43	9.2
Bentley, Community	1,117	178	1,295	1,096	171	1,267	4.47	9.00	4.79	3.5
Berwyn, R. A. P.	2,904	439	3,343	2,811	427	3,238	6.33	9.70	6.63	9.1
Bonnyville, St. Louis	7,305	1,270	8,575	7,285	1,267	8,552	7.22	9.59	7.49	23.5
Bonnyville, K. H. P.	2,947	684	3,361	2,858	677	3,535	8.53	10.58	8.85	9.9
Brooks, Municipal	5,140	1,116	6,256	6,153	1,102	7,255	8.28	9.66	8.46	17.1
Calgary, General	103,982	15,656	119,638	93,020	15,257	108,277	10.25	11.73	10.43	327.7
Calgary, Isolation	5,064	.....	5,064	4,878	.....	4,888	25.54	.....	25.54	13.8
Calgary, Holy Cross	89,410	12,967	102,377	88,020	12,894	100,914	10.87	10.58	10.83	280.4
Calgary, Junior Red Cross	19,934	.....	19,934	18,325	.....	18,325	251.02	.....	251.02	50.2
Calgary, Salvation Army Grace	5,674	5,990	11,664	5,558	5,795	11,353	11.02	12.57	11.76	31.9
Camrose, St. Mary's	13,468	3,501	16,969	13,066	3,540	16,606	6.65	9.26	7.08	54.7
Canmore, Canmore	2,500	218	2,718	2,500	218	2,718	9.02	7.51	8.88	7.4
Cardston, Municipal	7,490	1,685	9,175	7,277	1,668	8,945	6.72	9.87	7.14	25.1
Carmangay, Little Bow Municipal	2,189	179	2,368	1,922	179	2,101	7.53	9.42	7.61	6.4
Castor, Our Lady of the Rosary	3,927	840	4,767	3,890	837	4,727	6.52	10.87	7.02	13.0
Cereal, Esler	1,625	341	1,966	1,625	341	1,966	8.16	10.02	8.43	6.2
Claresholm, Municipal	9,028	1,379	10,407	8,937	1,337	10,274	9.18	11.20	9.40	28.5
Cold Lake, John Neil	1,320	374	1,694	1,160	368	1,528	6.82	10.22	7.41	4.6
Coleman, Miners' Union	2,953	.....	2,953	2,816	.....	2,816	8.02	.....	8.02	8.0
Consort, Municipal	3,594	633	4,227	2,728	617	3,345	6.67	12.59	7.31	11.5
Coronation, General	4,294	616	4,910	4,086	616	4,702	8.69	9.06	8.73	13.4
Desmarais, St. Martin's	2,537	133	2,670	1,900	133	2,033	11.65	11.08	11.61	7.3
Didsbury, Municipal	2,225	494	2,719	1,578	371	1,949	6.31	7.13	6.45	7.4
Drumheller, Municipal	18,157	2,187	20,344	19,475	2,167	21,642	6.22	9.00	6.42	55.7
Eckville, Municipal	4,859	872	5,731	4,859	872	5,731	7.08	10.25	7.43	15.7
Edmonton, Beulah Rescue Home	2,140	2,166	4,306	2,165	2,191	4,356	17.18	20.86	18.85	11.8
Edmonton, General	56,167	7,308	63,475	59,260	7,281	66,451	10.89	10.66	10.87	173.9
Edmonton, General, T.B. Division	47,779	.....	47,779	45,742	.....	45,742	254.12	.....	254.12	130.9
Edmonton, Misericordia	62,424	14,661	77,085	44,943	11,319	56,262	6.29	8.45	6.63	211.1
Edmonton, Royal Alexandra	124,198	19,679	143,877	119,841	18,913	138,754	10.2	10.2	10.2	394.1
Edmonton, Isolation	12,454	.....	12,454	12,727	.....	12,727	20.0	.....	20.0	34.1

TABLE No. 2—Continued

Hospitals	PATIENT DAYS									Aver. No. Patients in Hospital Daily
	Total of all Patients Admitted			Total Patients Discharged and Died			Average Stay of Patients Discharged and Died			
	Adults and Children	Newborn	Total	Adults and Children	Newborn	Total	Adults and Children	Newborn	Total	
Edmonton, Isolation (T.B. Division)	12,455	.....	12,455	7,651	.....	7,651	283.3	.....	283.3	34.1
Edmonton, University of Alberta:	83,399	7,460	90,859	81,811	7,455	89,266	14.26	12.67	14.11	248.9
(a) D.V.A.	71,972	.....	71,972	65,917	.....	65,917	24.6	.....	24.6	197.1
(b) Orthopaedic	463	.....	463	463	.....	463	154.3	.....	154.3	1.2
(c) Polio	2,652	.....	2,652	2,764	.....	2,764	95.3	.....	95.3	7.2
(d) T.B. Division	7,353	.....	7,353	7,710	.....	7,710	550.7	.....	550.7	20.1
Edson, St. John's	6,404	1,228	7,632	6,307	1,234	7,541	8.11	11.01	8.47	20.9
Elk Point, Municipal	12,465	1,511	13,976	12,132	1,506	13,638	8.26	9.47	8.36	38.2
Empress, Cottage	5,212	858	6,070	5,212	858	6,070	8.90	10.46	9.10	16.6
Fairview, Community	3,860	811	4,671	3,814	821	4,635	6.98	9.9	7.37	12.8
Ft. McMurray, St. Gabriel's	2,860	474	3,334	2,842	492	3,334	8.31	9.11	8.41	9.1
Ft. Smith, General	6,183	291	6,474	5,740	291	6,031	10.85	10.03	10.80	17.7
Ft. Vermilion, St. Theresa	901	376	1,277	901	376	1,277	7.38	9.64	7.93	3.5
Galahad, St. Joseph's	5,238	987	6,225	5,077	969	6,046	6.77	10.88	7.20	17.0
Grande Prairie, Municipal	13,170	2,398	15,568	12,603	2,367	14,970	9.93	11.16	10.04	42.6
Grimshaw, Battle River	1,939	487	2,426	1,927	492	2,419	8.13	9.46	8.67	6.6
Hanna, Municipal	8,817	1,654	10,471	8,817	1,654	10,471	9.97	11.90	10.23	28.7
Hardisty, St. Anne's	3,368	720	4,088	3,243	715	3,958	6.61	8.82	6.83	11.2
High Prairie, Providence	13,047	1,589	14,636	14,075	1,607	15,682	8.65	11.31	8.75	40.1
High River, Municipal	11,879	1,919	13,798	11,261	1,891	13,152	7.11	10.6	7.52	37.8
Innisfail, Municipal	8,278	1,560	9,838	8,411	1,561	9,972	9.64	10.91	9.82	26.9
Islay, Municipal	3,718	418	4,136	2,886	418	3,304	9.31	13.48	9.54	11.3
Jasper, Seton	2,052	179	2,231	2,168	181	2,349	9.18	9.01	9.14	6.1
Killam, General	3,350	756	4,106	4,069	748	4,817	8.49	10.68	8.77	11.2
Lacombe and District, Community	8,029	2,716	10,745	7,971	2,698	10,669	6.64	9.5	7.20	29.4
Lac la Biche, St. Catherine's	4,965	1,511	6,476	4,830	1,497	6,327	6.41	9.47	6.94	17.7
Lamont, Public	10,679	1,511	21,189	21,691	1,527	23,218	9.12	8.43	9.07	58.0
Lethbridge, Isolation	351	.....	351	333	.....	333	18.5	.....	18.5	.96
Lethbridge, St. Michael's	30,159	5,157	35,316	30,287	5,175	35,462	8.90	11.10	9.17	9.67
Lethbridge, Galt	30,749	4,217	34,966	31,456	4,612	36,068	10.53	11.95	10.68	95.8
Lloydminster, Municipal	16,987	2,122	19,109	16,636	2,122	18,758	10.02	10.82	10.11	52.3
Macleod, General	Not Reported						Not Reported			
Magrath, Municipal	2,026	216	2,242	2,023	219	2,242	6.44	8.42	6.59	6.1
Mannville, Municipal	4,401	1,232	5,633	4,344	1,225	5,569	6.35	9.80	6.91	15.4
Medicine Hat, General	35,918	6,254	42,172	34,057	6,173	40,230	9.28	10.30	9.42	115.5
Medicine Hat, Isolation	86	.....	86	143	.....	143	17.87	.....	17.87	.23

Mundare, General	3,468	614	4,082	3,376	611	3,987	5.79	10.18	6.20	11.1
McLennan, Sacred Heart	8,319	1,896	10,215	8,696	1,900	10,596	8.29	13.01	8.87	27.9
Myrnam, Municipal	3,111	726	3,837	3,111	726	3,837	5.98	11.00	6.54	10.5
Nordegg, General	2,463	321	2,784	2,014	321	2,335	11.31	10.03	11.40	7.6
Olds, General	5,269	1,390	6,659	5,269	1,390	6,659	8.60	10.00	8.86	18.2
Peace River, Municipal	8,412	804	9,216	8,517	808	9,325	10.43	9.97	10.39	25.2
Pincher Creek, St. Vincent's	5,816	1,020	6,836	5,977	1,032	7,009	10.32	10.10	10.29	18.7
Provost, Municipal	4,424	1,051	5,475	4,387	1,041	5,428	8.58	9.29	8.71	15.0
Radway, St. Joseph's	4,098	1,152	5,250	3,970	1,143	**5,113**	**7.47**	**8.79**	**7.73**	14.4
Raymond, Municipal	2,460	882	2,342	2,459	881	3,340	6.47	10.11	7.13	9.1
Red Deer, Municipal	17,225	3,614	20,839	17,362	3,585	20,947	8.09	11.06	8.47	57.1
Rimbey, St. Paul's	4,431	979	5,410	4,454	983	5,437	8.68	11.04	9.03	14.8
Rocky Mountain House	4,400	786	5,186	4,343	800	5,143	7.55	8.42	7.67	14.2
Smoky Lake, George McDougall	3,103	896	3,999	3,103	896	3,999	6.18	9.14	6.66	10.9
Spirit River, Holy Cross	3,167	381	3,548	3,129	393	3,522	6.93	9.82	7.17	9.7
St. Paul, St. Theresa	10,497	2,519	13,016	10,401	2,490	12,891	7.53	9.39	7.83	35.6
Stettler, Municipal	10,546	2,113	12,659	10,526	2,133	12,659	10.55	11.17	10.65	34.7
Taber, Municipal	7,532	1,476	9,008	7,318	1,425	8,743	7.19	9.25	7.48	24.6
Trochu, St. Mary's	4,058	946	5,004	4,304	951	5,255	8.60	10.22	8.86	13.7
Turner Valley, Oilfields General	3,964	1,108	5,072	3,884	1,108	**4,992**	**7.69**	**10.17**	8.13	13.9
Vegreville, General	16,190	2,055	18,245	15,233	2,663	17,896	6.72	11.73	7.17	49.9
Vermilion, Municipal	7,994	1,500	9,494	7,774	1,450	9,224	7.98	11.15	8.35	26.0
Viking, Municipal	4,487	939	5,426	4,573	944	5,517	8.69	10.85	9.00	14.8
Vilna, Our Lady's	1,503	528	2,031	1,451	498	1,949	6.94	9.20	7.41	5.5
Vulcan, Municipal	4,652	1,196	5,848	4,506	1,096	5,602	7.85	9.36	8.10	16.0
Wainwright, Municipal	5,984	1,226	7,210	5,984	1,226	7,210	8.95	10.04	9.09	19.7
Wayne, General	4,215	373	4,588	4,356	367	4,723	7.51	10.19	7.66	12.5
Westlock, Immaculata	9,887	2,408	12,295	9,745	2,412	12,157	6.27	9.88	6.76	33.7
Wetaskiwin, Community	10,822	2,609	13,431	12,853	2,579	15,432	8.30	8.21	8.28	36.8
Willingdon, General	5,946	1,168	7,114	5,896	1,155	7,051	7.14	9.78	7.47	19.4
Total	1,309,466	189,563	1,499,029	1,256,825	185,143	1,441,968	9.31	10.42	9.45	4,106.9
Less D.V.A., Orthopaedic, Polio and T.B. Division cases	162,608	.....	162,608	148,572	.....	148,572				
	1,146,858	189,563	1,336,421	1,108,253	185,143	1,293,396				

TABLE No. 3

Hospital	STAFF															Medical Staff	No. of Doctors	Training School	Affiliation with other Institutions	Graduated during the year
	Administr'n		Professional			Nurses				Dietitians		Others		Total						
	Executive	Clerical	Salaried Doctors	Internes	Technicians	Graduate	Student	Probationers	Affiliates	Graduate	Student	Orderlies and Ward Helpers	All other Employees							
Athabasca, Municipal	6	1	....	....	....	5	....	....	....	....	....	2	9	23	Yes	1	No	No	....
Banff, Mineral Springs	3	4	....	....	6	17	....	....	....	1	....	8	27	66	Yes	4	No	No	....
Barrhead, St. Joseph's	1	....	....	....	....	3	....	....	....	....	....	6	4	14	No	....	No	No	....
Bassano, Municipal	1	....	....	....	....	6	....	....	....	....	....	1	3	11	No	....	No	No	....
Beaverlodge, Municipal	....	....	....	....	....	3	....	....	....	....	....	2	3	8	No	....	No	No	....
Bentley, Community	....	....	....	....	....	3	....	....	....	....	....	....	2	5	No	....	No	No	....
Berwyn, R.A.P.	1	....	....	....	....	3	....	....	....	....	....	1	5	10	No	....	No	No	....
Bonnyville, K.H.P.	....	....	1	....	....	3	1	....	....	....	....	....	5	10	No	....	No	No	....
Bonnyville, St. Louis	....	....	....	....	....	4	....	....	....	....	....	4	8	16	Yes	2	No	No	....
Brooks, Municipal	....	....	....	....	....	6	....	....	....	....	....	2	5	13	No	....	No	No	....
Calgary, General	3	23	2	....	11	36	163	....	3	2	....	8	111	362	Yes	109	Yes	Yes	55
Calgary, Isolation	....	....	....	....	....	3	....	....	....	....	....	....	4	7	....	....	....	....	....
Calgary, Holy Cross	2	23	2	1	14	55	95	45	....	1	....	16	116	370	Yes	97	Yes	Yes	43
Calgary, Junior Red Cross	1	1	1	....	....	14	....	....	....	....	....	3	....	20	Yes	9	No	Yes	....
Calgary, Salvation Army Grace	1	1	....	....	....	6	3	....	....	....	....	1	3	15	Yes	10	No	No	....
Camrose, St. Mary's	1	2	2	....	2	7	....	....	....	....	....	5	9	28	Yes	6	No	No	....
Canmore, Canmore Hospital	....	1	1	....	....	2	....	....	....	....	....	1	1	6	No	....	No	No	....
Cardston, Municipal	1	....	....	....	....	....	9	....	....	....	....	....	7	17	No	....	No	No	....
Carmangay, Little Bow Municipal	1	1	....	....	....	3	....	....	....	....	....	1	3	9	No	....	No	No	....
Castor, Our Lady of the Rosary	1	1	....	....	1	3	....	....	....	....	....	3	5	14	Yes	2	No	No	....
Cereal, Esler	....	....	....	....	....	2	....	....	....	....	....	....	4	6	No	....	No	No	....
Claresholm, Municipal	1	1	....	....	1	9	....	....	....	....	....	1	7	20	No	....	No	No	....
Cold Lake, John Neil	....	....	1	....	....	1	....	....	....	....	....	2	4	8	No	....	No	No	....
Coleman, Miner's Union	3	....	2	....	....	3	....	....	....	....	....	....	3	11	Yes	2	No	No	....
Consort, Municipal	1	1	....	....	....	3	....	....	....	....	....	3	2	10	No	....	No	No	....
Coronation, General	2	....	....	....	....	5	....	....	....	....	....	3	3	13	No	....	No	No	....
Desmarais, St. Martin's	....	....	....	....	....	1	....	....	....	....	....	2	2	5	No	....	No	No	....
Didsbury, Municipal	....	1	....	....	....	7	....	....	....	....	....	4	....	12	No	....	No	No	....
Drumheller, Municipal	1	3	....	....	2	17	....	....	11	....	....	....	22	56	Yes	10	No	No	....
Eckville, Municipal	....	1	....	....	....	3	....	....	....	....	....	4	4	12	Yes	1	No	No	....
Edmonton, Beulah Rescue Home	1	1	....	....	....	2	....	....	....	....	....	3	6	13	No	....	No	No	....
Edmonton, General	4	25	3	6	9	43	80	44	....	1	....	21	103	339	Yes	135	Yes	No	37
Edmonton, Misericordia	6	14	3	3	10	39	47	33	18	1	1	15	49	239	Yes	92	Yes	Yes	23
Edmonton, Royal Alexandra	2	45	3	3	20	82	171	27	6	2	....	15	212	588	Yes	141	Yes	Yes	64

Edmonton, University of Alberta	2	50	6	7	19	70	86	30	6	5	4	63	116	464	Yes	86	Yes	Yes	30
Edson, St. John's	....	....	....	....	....	5	....	....	....	....	....	....	12	17	No	....	No	....	....
Elk Point, Municipal	....	1	....	....	1	6	....	....	....	....	....	6	8	22	No	....	No	....	....
Empress, ,Cottage	1	....	....	....	....	3	....	....	....	....	....	3	4	11	No	....	No	....	....
Fairview, Community	....	1	....	....	....	4	....	....	....	....	....	2	4	11	No	....	No	....	....
Ft. McMurray, St. Gabriel's	....	1	....	....	1	5	....	....	....	....	....	3	3	13	No	....	No	....	....
Fort Smith, General	....	....	....	....	....	2	2	....	....	....	....	3	4	11	No	....	No	No	....
Fort Vermilion, St. Theresa	....	....	....	....	....	1	....	....	....	....	....	2	....	3	No	....	No	....	....
Galahad, St. Joseph's	1	....	....	....	....	3	....	....	....	....	....	2	6	12	No	....	No	....	....
Grande Prairie, Municipal	1	1	....	....	....	10	....	....	....	....	....	6	7	25	No	....	No	....	....
Grimshaw, Battle River	1	....	1	....	....	3	....	....	....	....	....	....	4	9	No	....	No	....	....
Hanna, Municipal	1	1	....	....	1	8	....	....	4	....	....	....	12	27	No	....	No	....	....
Hardisty, St. Anne's	1	....	....	....	....	3	....	....	....	....	....	2	4	10	No	....	No	....	....
High Prairie, Providence	4	1	....	....	1	8	....	....	....	....	....	10	8	32	No	....	No	....	....
High River, Municipal	1	....	....	....	....	15	....	....	....	....	....	....	11	27	No	....	No	....	....
Innisfail, Municipal	....	....	....	....	....	9	....	....	....	....	....	1	8	18	Yes	3	No	....	....
Islay, Municipal	1	....	....	....	....	3	1	....	....	....	....	....	3	8	No	....	No	No	....
Jasper, Seton	1	....	....	....	....	4	....	....	....	....	....	1	1	7	No	....	No	....	....
Killam, General	1	....	....	....	....	3	....	....	....	....	....	2	2	8	No	....	No	....	....
Lacombe and District Community	....	1	....	....	....	8	....	....	....	....	....	4	8	21	No	....	No	....	....
Lac La Biche, St. Catherine's	1	....	....	....	....	4	....	....	....	....	....	2	8	15	No	....	No	....	....
Lamont, Public	1	4	....	1	2	6	21	10	....	1	....	....	26	72	Yes	4	Yes	No	8
Lethbridge, Isolation	....	....	....	....	....	1	....	....	....	....	....	....	....	1	No	....	No	No	....
Lethbridge, St. Michael's	2	6	....	....	5	26	....	....	....	1	....	13	39	92	Yes	28	No	....	....
Lethbridge, Galt	3	4	....	....	4	16	25	12	1	1	....	19	29	114	Yes	27	Yes	No	21
Lloydminster, Municipal	1	....	....	....	1	14	....	....	....	....	....	1	15	32	Yes	3	No	No	....
Macleod, General	....			Not Reported						Not Reported						Not Reported			
Magrath, Municipal	3	1	....	....	....	4	....	....	....	....	....	1	3	12	No	....	No	....	....
Mannville, Municipal	....	....	....	....	....	4	....	....	....	....	....	3	3	10	No	....	No	....	....
Medicine Hat, General	3	4	....	....	1	20	27	9	....	1	....	6	48	119	Yes	7	Yes	No	17
Medicine Hat, Isolation	....	....	....	....	....	1	....	....	....	....	....	....	....	1	No	....	No	No	....
Mundare, General	1	....	....	....	....	3	....	....	....	....	....	3	5	12	No	....	No	....	....
McLennan, Sacred Heart	....	1	....	....	....	3	....	....	....	....	....	12	7	23	No	....	No	....	....
Myrnam, Municipal	3	1	1	....	....	2	....	....	....	....	....	3	....	10	No	....	No	No	....
Nordegg, General	....	....	1	....	....	2	1	....	....	....	....	1	2	7	No	....	No	....	....
Olds, Municipal	1	1	....	....	....	5	....	....	....	....	....	4	7	18	Yes	3	No	....	....
Peace River, Municipal	....	....	....	....	....	7	....	....	....	....	....	4	7	18	Yes	2	No	....	....
Pincher Creek, St. Vincent's	1	1	....	....	....	5	....	....	....	....	....	1	5	13	No	....	No	....	....
Provost, Municipal	....	....	....	....	....	3	....	....	....	....	....	3	5	11	No	....	No	....	....
Radway, St. Joseph's	1	1	....	....	1	3	....	....	....	....	....	2	10	18	No	....	No	....	....
Raymond, Municipal	....	2	....	....	....	4	....	....	....	....	....	1	4	11	Yes	1	No	....	....
Red Deer, Municipal	2	1	....	....	....	12	....	....	....	....	....	6	10	31	Yes	7	No	....	....
Rimbey, St. Paul's	1	....	....	....	....	3	....	....	....	....	....	3	6	13	No	....	No	....	....
Rocky Mountain House	1	....	....	....	....	5	....	....	....	....	....	....	7	13	No	....	No	....	....
Smoky Lake, George McDougall	....	1	1	....	....	4	....	....	....	....	....	1	5	12	No	....	No	....	....
Spirit River, Holy Cross	1	....	....	....	....	2	....	....	2	....	....	....	7	12	No	....	No	....	....
St. Paul, St. Theresa	....	....	....	....	....	5	....	....	11	....	....	....	11	27	No	....	No	....	....
Stettler, Municipal	1	....	....	....	1	8	....	....	....	....	....	8	8	26	Yes	4	Yes	....	....
Taber, Municipal	1	1	....	....	....	8	....	....	....	....	....	2	9	22	No	....	No	....	....

TABLE No. 3—Continued

Hospital	STAFF														Medical Staff	No. of Doctors	Training School	Affiliation with other Institutions	Graduated during the year
	Admin'istr'n		Professional			Nurses				Dietitians		Others		Total					
	Executive	Clerical	Salaried Doctors	Interns	Technicians	Graduate	Student	Probationers	Affiliates	Graduate	Student	Orderlies and Ward Helpers	All other Employees						
Trochu, St. Mary's	1	1	....	....	....	3	....	3	....	....	....	1	6	15	No	....	No	....	....
Turner Valley, Oilfields General	....	....	....	....	....	4	....	....	....	....	....	....	5	9	No	....	No	....	....
Vegreville, General	3	....	....	....	2	10	16	8	....	....	1	4	17	61	Yes	6	Yes	Yes	8
Vermilion, Municipal	1	1	....	....	....	7	....	....	....	....	....	3	5	17	No	....	No	....	....
Viking, Municipal	....	....	....	....	....	4	....	....	....	....	....	1	6	11	No	....	No	....	....
Vilna, Our Lady's	....	1	....	....	....	3	....	....	....	....	....	....	4	8	No	....	No	....	....
Vulcan, Municipal	1	....	....	....	....	4	....	....	....	....	....	2	6	13	No	....	No	....	....
Wainwright, Municipal	5	1	....	....	....	6	....	....	....	....	....	2	5	19	No	....	No	....	....
Wayne, General	1	....	....	....	....	5	....	....	....	....	....	1	4	11	No	....	No	....	....
Westlock, Immaculate	1	1	....	....	....	8	....	....	1	....	....	5	12	28	Yes	3	No	....	....
Wetaskiwin, Community	1	1	....	....	....	11	....	....	2	....	....	....	11	26	No	....	No	....	....
Willingdon, General	1	1	....	....	....	3	....	....	....	....	....	3	5	13	No	....	No	....	....
Total	103	243	31	21	116	829	739	221	65	17	6	368	1348	4107	....	805	....	....	306

TABLE No. 4—CASES

Hospitals	Medical		Surgical				Non-Operative		Obstetricals Admitted	Percentage of Maternity to Total Admissions	Living Births		Tuberculosis		Communicable Diseases except Typhoid & T.B.	Typhoid cases	Cardiac Disease cases	Rheumatic cases	Malignant Disease Cases	Goitre cases	Venereal Disease cases	Alcoholics
			Major		Minor																	
	Male	Female	Male	Female	Male	Female	Male	Female			Male	Female	Pulmonary	Other Forms								
Athabasca, Municipal	216	241	12	20	41	38	64	32	112	14.2	52	60	....	....	....	1	37	8	6	....	....	....
Banff, Mineral Springs	294	248	8	2	13	17	19	6	29	5.4	17	13	....	....	....	....	2	393	....	....	2	2
Barrhead, St. Joseph's	150	156	46	44	111	121	69	27	123	17.4	71	52	....	....	....	....	15	25	4	....	....	....
Bassano, Municipal	102	107	21	27	49	72	10	2	115	22.9	46	52	....	....	....	2	25	4	....	....	....	1
Beaverlodge, Municipal	42	71	10	14	51	48	4	3	107	30.5	50	58	2	1	....	....	4	1	4	....	....	1
Bentley, Community	49	51	7	8	39	34	....	....	20	7.9	12	8	1	2	....	....	5	3	2	10	....	....
Berwyn, R. A. P.	183	139	11	9	31	34	....	....	45	10.2	23	23	1	....	....	....	3	5	2	....	1	1
Bonnyville, K. H. P.	63	92	17	40	57	60	7	10	68	19.7	38	28	....	....	....	....	8	4	....	1	....	....
Bonnyville, St. Louis	256	344	23	55	87	127	....	....	137	13.5	63	70	46	4	6	2	12	8	1	2	16	....
Brooks, Municipal	160	142	43	46	145	157	13	6	128	17.3	57	56	....	....	1	1	15	1	3	1	1	....
Calgary, General	944	1254	734	1228	1450	1803	526	444	1468	16.1	686	627	12	18	9	....	182	13	144	47	41	4
Calgary, Isolation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	201	....	....	....	....	....	....	....
Calgary, Holy Cross	1003	1105	732	1020	1110	1390	204	187	1338	16.5	637	584	8	8	90	1	158	76	337	84	39	6
Calgary, Junior Red Cross	....	11	18	31	6	8	39	26	....	....	....	....	....	9	....	....	2	1	1	....	....	....
Calgary, Salvation Army Grace	....	....	....	....	91	....	....	....	510	100.0	246	227	....	....	....	....	....	....	....	....	....	....
Camrose, St. Mary's	463	443	127	201	136	159	19	22	410	20.8	189	193	2	....	6	....	60	30	10	6	2	5
Canmore, Canmore	86	43	25	32	32	24	1	....	33	12.0	15	14	....	....	....	1	4	....	....	3	....	....
Cardston, Municipal	187	336	48	48	114	186	....	....	168	15.5	94	75	1	....	....	....	28	5	15	....	3	....
Carmangay, Little Bow Municipal	89	102	8	9	11	16	5	....	19	7.2	8	11	....	....	....	....	4	6	7	....	1	....
Castor, Our Lady of the Rosary	160	182	26	15	65	66	9	4	77	12.9	40	38	....	1	....	1	3	1	1	....	3	....
Cereal, Esler	59	50	9	4	26	17	....	....	34	17.4	22	11	....	....	....	....	14	1	....	....	....	....
Claresholm, Municipal	256	317	23	38	80	84	35	16	121	12.4	68	54	....	....	9	3	38	15	12	1	....	2
Cold Lake, John Neil	48	66	....	....	19	11	2	1	48	27.5	17	20	2	....	3	....	2	8	3	....	....	1
Coleman, Miners' Union	136	100	21	17	24	42	13	3	....	....	....	....	....	....	....	....	7	3	1	....	....	2
Consort, Municipal	76	95	18	26	33	91	....	28	49	12.0	30	20	1	....	....	....	6	8	5	....	....	....
Coronation, General	172	146	13	19	61	37	9	13	77	16.3	34	32	....	....	....	....	23	2	5	1	....	1
Desmarais, St. Martin's	50	94	....	....	....	....	....	....	12	7.3	8	4	10	15	....	....	....	5	....	....	....	....
Didsbury, Municipal	48	50	17	21	20	35	2	....	58	21.4	27	31	....	....	....	....	10	2	2	1	....	1
Drumheller, Municipal	480	399	98	160	370	388	4	6	264	8.3	119	122	1	....	1	....	75	6	10	5	9	2
Eckville, Municipal	169	229	25	47	61	57	6	10	86	12.4	48	38	....	....	....	....	5	....	1	3	....	....
Edmonton, Beulah Rescue Home	2	1	....	....	....	....	....	....	127	97.7	63	47	....	....	3	....	....	....	....	....	....	....
Edmonton, General	1128	1484	411	524	580	761	....	....	777	14.2	342	342	....	....	8	....	188	97	113	47	101	44
Edmonton, Misericordia	1247	1344	453	727	575	783	231	256	1555	21.6	677	660	4	14	336	1	124	32	69	32	13	25
Edmonton, Royal Alexandra	950	1528	807	1042	2028	2533	860	430	1871	15.9	956	891	15	30	59	1	287	87	308	55	16	27
Edmonton, Isolation	369	370	....	....	....	....	....	....	....	....	....	....	62	....	671	....	....	....	....	....	....	....
Edmonton, University of Alberta	2108	1297	875	396	1369	877	784	293	678	11.8	293	300	75	59	18	1	277	98	340	95	163	7

TABLE No. 4—Continued

Hospitals	Medical		Surgical				Non-Operative		Obstetricals Admitted	Percentage of Maternity to Total Admissions	Living Births		Tuberculosis		Communicable Diseases except Typhoid & T.B.	Typhoid cases	Cardiac Disease cases	Rheumatic cases	Malignant Disease Cases	Goitre cases	Venereal Disease cases	Alcoholics
			Major		Minor																	
	Male	Female	Male	Female	Male	Female	Male	Female			Male	Female	Pulmonary	Other Forms								
Edson, St. John's	208	162	12	22	108	57	94	2	113	14.5	51	56	....	1	....	1	13	3	9	1	7	7
Elk Point, Municipal	295	544	102	82	226	198	21	11	190	12.8	70	90	8	3	4	....	150	125	10	8	7	1
Empress, Cottage	118	120	21	20	61	52	....	....	77	13.2	39	43	....	1	3	1	27	....	1	....	1	....
Fairview, Community	157	176	19	16	59	36	5	3	82	14.8	40	43	....	....	2	....	13	11	5	....	1	....
Ft. McMurray, St. Gabriel's	77	119	13	16	16	18	29	....	59	17.0	31	25	1	....	7	....	5	7	6	....	4	1
Ft. Smith, General	190	196	25	25	10	5	28	19	29	5.5	15	14	30	4	11	....	2	5	....	....	22	....
Ft. Vermilion, St. Theresa	31	40	....	....	8	4	....	....	39	32.0	22	17	1	2	2	....	....	1	....	....	....	....
Galahad, St. Joseph's	220	254	12	18	78	79	3	3	90	11.8	55	34	....	....	1	....	16	3	3	....	....	....
Grande Prairie, Municipal	205	297	142	127	136	153	11	23	228	17.6	125	89	3	....	....	....	7	5	....	3	2	....
Grimshaw, Battle River	43	30	8	14	30	26	....	14	64	28.0	26	26	....	....	1	....	7	2	....	....	2	....
Hanna, Municipal	197	202	36	51	94	111	25	27	143	16.6	80	59	....	1	....	....	27	3	3	2	....	....
Hardisty, St. Anne's	98	138	25	34	55	54	10	6	80	15.9	36	46	....	....	....	....	6	4	6	3	....	2
High Prairie, Providence	466	513	40	76	345	262	....	....	153	9.2	84	67	21	6	17	....	6	8	2	3	56	....
High River, Municipal	324	469	69	75	209	288	....	....	179	11.3	85	94	....	....	7	....	47	23	13	3	3	4
Innisfail, Municipal	276	233	38	70	96	166	....	....	144	16.3	91	52	....	....	....	....	30	16	7	5	....	....
Islay, Municipal	115	131	11	15	28	23	....	....	34	10.6	14	19	....	....	3	....	13	1	1	....	....	....
Jasper, Seton	147	70	2	1	8	2	....	....	21	8.7	10	10	1	....	....	....	3	4	....	....	....	2
Killam, General	113	90	10	13	70	48	1	1	71	14.7	43	28	....	....	....	....	3	2	2	....	....	....
Lacombe and District, Community	392	382	58	70	102	111	36	15	302	25.2	135	140	....	....	....	....	38	1	7	5	....	....
Lac la Biche, St. Catherine's	185	214	34	32	74	73	24	9	169	22.5	81	74	1	2	5	....	12	11	5	....	2	1
Lamont, Public	737	963	77	105	161	174	22	11	179	7.5	89	92	3	2	....	....	109	75	31	130	3	1
Lethbridge, Isolation	6	12	....	....	....	....	....	....	....	....	....	....	....	....	18	....	....	....	....	....	....	....
Lethbridge, St. Michael's General	645	692	168	286	385	533	123	60	505	14.8	223	235	4	3	11	....	79	25	29	32	21	6
Lethbridge, Galt	712	800	145	273	427	600	52	61	416	13.9	210	174	7	2	2	....	66	3	41	15	29	4
Lloydminster, Municipal	452	563	50	109	150	229	63	84	198	11.9	101	94	4	2	9	2	57	38	7	1	2	1
Macleod, General	Not Reported									Not Reported							Not Reported					
Magrath, Municipal	66	105	8	16	42	32	3	2	25	7.9	13.	12	....	3	....	....	8	2	7	2	....	....
Mannville, Municipal	194	193	7	11	....	....	....	....	129	18.9	59	65	....	....	....	....	17	8	4	1	2	1
Medicine Hat, General	759	631	235	330	653	657	116	31	679	18.4	304	308	11	1	2	1	151	39	52	39	18	4
Medicine Hat, Isolation	5	3	....	....	....	....	....	....	....	....	....	....	....	....	8	....	....	....	....	....	....	....
Mundare, General	202	211	18	15	67	62	....	....	62	10.6	35	24	....	....	....	....	31	34	4	....	....	....
McLennan, Sacred Heart	327	295	16	31	56	65	35	31	171	16.4	79	70	....	2	24	....	13	9	2	....	22	2
Myrnam, Municipal	152	186	16	28	22	54	....	....	77	14.7	37	29	....	....	6	....	16	12	7	3	4	....
Nordegg, General	33	19	6	3	16	14	26	5	35	19.4	12	20	1	....	....	....	14	1	....	....	....	....
Olds, Municipal	129	137	19	16	36	99	12	12	141	23.4	71	66	....	....	....	3	22	2	4	2	4	1
Peace River, Municipal	146	207	48	76	82	85	61	29	86	10.4	37	43	4	4	1	....	35	13	4	....	2	....

Pincher Creek, St. Vincent's	78	60	45	24	18	98	33	16	101	17.5	57	44	....	....	....	....	20	12	15	6	1	1
Provost, Municipal	133	137	15	19	42	64	....	....	113	22.2	56	57	....	....	5	....	16	7	1	....	1	....
Radway, St. Joseph's	107	131	22	29	57	42	2	3	156	28.6	56	75	....	2	....	....	13	19	4	2	....	....
Raymond, Municipal	54	61	18	30	49	65	....	....	98	25.7	48	40	....	....	....	....	8	....	....	....	1	....
Red Deer, Municipal	399	610	112	186	221	289	52	24	369	17.1	170	151	2	3	....	....	72	12	8	7	4	3
Rimbey, St. Paul's	134	164	19	23	54	40	1	3	92	17.6	46	47	1	2	....	....	13	7	....	3	1	....
Rocky Mountain House	178	127	26	48	47	54	....	....	97	16.8	51	41	2	....	....	....	2	....	2	....	....	....
Smoky Lake, George McDougall	167	199	18	18	58	63	....	....	97	19.2	52	45	....	1	....	....	8	1	3	....	6	....
Spirit River, Holy Cross Community	127	183	10	14	39	38	34	15	41	8.9	20	20	1	....	....	....	26	19	....	3	....	2
St. Paul, St. Theresa	325	395	24	42	299	290	....	5	269	19.5	148	119	10	7	....	....	9	14	....	2	2	10
Stettler, Municipal	193	217	57	54	112	134	24	13	212	21.3	84	105	....	....	....	....	17	7	4	....	....	....
Taber, Municipal	148	295	43	52	129	160	31	13	154	15.1	72	82	....	....	4	....	8	....	5	1	....	....
Trochu, St. Mary's	135	192	17	13	74	81	2	5	99	19.5	49	47	....	1	....	....	6	2	3	....	....	....
Turner Valley, Oilfields General	131	139	....	1	17	26	67	15	108	21.4	61	47	....	....	....	....	11	6	1	....	....	....
Vegreville, General	431	830	52	92	377	280	8	5	230	10.0	105	122	4	3	....	....	71	29	7	18	3	2
Vermilion, Municipal	316	362	56	82	76	85	12	5	132	13.5	74	58	1	3	....	....	28	47	8	17	....	....
Viking, Municipal	143	171	9	24	47	59	....	....	86	16.2	41	47	1	1	....	....	16	4	1	....	1	....
Vilna, Our Lady's	53	74	2	3	9	10	3	2	55	26.0	24	30	2	2	....	....	3	2	....	....	4	....
Vulcan, Municipal	117	111	11	28	77	86	1	3	138	24.1	68	48	....	1	....	....	17	3	4	1	2	1
Wainwright, Municipal	176	176	23	12	62	54	34	22	123	18.4	63	56	2	2	....	....	28	4	4	....	2	....
Wayne, General	208	151	32	24	57	48	12	3	38	6.6	22	15	....	....	....	....	6	3	3	....	....	....
Westlock, Immaculata	379	427	96	119	113	186	....	....	242	15.4	118	124	1	4	2	258	5	27	....	5	6	....
Wetaskiwin, Community	244	314	91	167	221	193	4	1	313	20.2	147	161	3	7	1	16	3	6	....	4	4	8
Willingdon, General	284	298	18	27	64	71	21	14	117	14.3	58	59	....	4	....	7	5	1	9	2	....	....
Total	24827	27858	6992	9077	15114	16962	4076	2438	19114	15.6	9141	8659	372	213	1608	35	3345	1654	1794	726	675	185

TABLE No. 5

Hospitals	Surgical Operations								Infections Developed in Hospitals				Deaths							
					Fractures						Obstetrical		Obstetrical							
	Abdominal	Gynaecological not including Curettages	Curettages	Amputations	Open	Closed	General	Total Operations	Medical	Surgical	Mothers	Newborn	Mothers	Newborn	Stillborn	Premature	From Cancer	From Anaesthetics	From Communicable Diseases	Within 48 Hours of Admission
Athabasca, Municipal	25	2	...	3	1	25	69	125	...	...	...	...	...	2	4	1	2	...	...	3
Banff, Mineral Springs	7	1	2	3	...	15	11	39	...	...	...	...	...	...	...	1	...	...	...	1
Barrhead, St. Joseph's	86	4	3	8	...	46	175	322	...	...	...	...	...	2	1	...	...	...	...	6
Bassano, Municipal	45	...	5	...	...	...	119	169	...	...	...	...	...	1	4	...	...	...	...	4
Beaverlodge, Municipal	22	2	1	...	...	5	1	31	...	...	...	...	...	...	2	2	...	...	...	2
Bentley, Community	8	3	2	...	...	17	75	105	...	...	...	...	...	1	1	1	2	...	...	...
Berwyn, R. A. P.	14	...	2	...	2	8	49	75	...	...	...	...	...	1	1	1	...	...	...	2
Bonnyville, K. H. P.	57	...	9	...	...	4	104	174	...	1	...	1	...	...	2	...	...	...	...	...
Bonnyville, St. Louis	74	4	10	4	...	12	182	286	...	...	...	...	...	1	2	...	1	...	2	3
Brooks, Municipal	82	19	11	4	5	11	224	356	...	...	...	...	...	...	1	1	2	...	...	...
Calgary, General	1666	129	276	38	47	397	3134	5687	...	...	...	...	...	19	33	17	27	1	1	94
Calgary, Holy Cross	903	375	190	44	45	96	4723	6576	3	9	3	6	3	13	20	25	50	...	11	72
Calgary, Junior Red Cross	...	...	...	...	...	...	21	21	40	...	...	...	...	...	...	...	...	...	...	...
Calgary, Salvation Army Grace	...	...	...	...	...	...	...	...	...	...	1	4	1	11	5	...	...	...	...	...
Camrose, St. Mary's	225	25	26	5	20	150	233	684	...	...	...	...	...	2	3	6	6	...	1	8
Canmore, Canmore	44	2	3	...	3	6	54	112	...	...	...	...	...	...	3	1	...	...	...	2
Cardston, Municipal	96	1	19	2	1	17	260	396	...	...	...	...	1	6	1	...	5	...	...	1
Carmangay, Little Bow Municipal	15	...	...	2	...	5	27	49	...	...	...	...	...	...	...	...	6	...	...	2
Castor, Our Lady of the Rosary	29	2	5	3	4	10	119	172	...	...	...	...	...	1	...	3	1	...	...	1
Cereal, Esler	8	...	...	...	...	5	43	56	...	...	...	...	...	2	...	...	1	...	...	2
Claresholm, Municipal	56	1	11	...	1	17	190	276	...	...	...	...	1	11	4	3	6	...	...	7
Cold Lake, John Neil	...	...	...	2	...	15	16	33	...	...	...	...	...	1	1	...	1	...	...	...
Coleman, Miners' Union	26	...	7	1	2	18	50	104	...	...	...	...	...	...	...	...	...	...	...	2
Consort, Municipal	4	3	6	1	8	6	140	168	...	...	...	...	...	1	...	...	3	...	...	1
Coronation, General	26	5	10	...	1	13	75	130	...	...	...	...	...	1	...	...	...	1	...	6
Didsbury, Municipal	30	...	...	...	1	3	66	100	...	...	...	...	2	2	3	1	1	...	...	1
Drumheller, Municipal	213	82	21	8	3	41	648	1016	...	6	3	1	...	1	5	1	9	...	...	13
Eckville, Municipal	72	...	22	2	1	4	165	266	...	...	...	...	...	3	1	1	1	...	...	16
Edmonton, Beulah Rescue Home	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	...	...	...
Edmonton, General	532	207	115	15	26	157	1224	2276	8	5	...	...	1	6	14	9	22	...	...	25
Edmonton, Misericordia	783	294	108	23	7	265	2018	3498	...	2	...	15	3	11	25	14	22	1	13	46
Edmonton, Royal Alexandra	1024	628	283	73	74	137	4191	6410	9	60	19	10	1	10	44	20	76	1	15	87
Edmonton, University of Alberta	532	280	17	50	97	82	3872	4930	...	3	...	1	...	6	8	6	63	7	...	48
Edson, St. John's	34	...	5	6	1	20	212	278	...	...	...	...	...	2	2	1	3	...	...	3

Elk Point, Municipal	160	24	18	4	3	8	391	608	....	....	....	....	1	1	1	....	4	....	....	6
Empress, Cottage	25	7	5	2	....	14	101	154	....	....	....	....	....	4	....	....	....	....	....	1
Fairview, Community	30	....	2	....	....	2	98	132	....	....	....	....	....	1	....	....	2	....	....	3
Ft. McMurray, St. Gabriel's	29	3	....	1	2	7	21	63	....	....	....	....	....	2	1	2	1	....	....	3
Ft. Smith, General	50	2	....	....	1	3	....	56	....	....	....	....	....	....	2	....	....	....	....	3
Ft. Vermilion, St. Theresa	....	....	....	....	....	3	9	12	....	....	....	....	....	1	1	....	....	....	....	....
Galahad, St. Joseph's	20	....	3	....	....	20	164	207	....	....	....	....	....	1	2	....	1	....	....	1
Grande Prairie, Municipal	143	15	1	1	6	43	349	558	....	....	....	....	....	3	8	2	4	....	....	9
Grimshaw, Battle River	22	....	3	....	....	10	53	88	....	....	....	....	....	....	....	....	....	....	....	....
Hanna, Municipal	90	6	4	7	1	41	195	344	....	....	....	....	....	3	2	2	4	....	....	5
Hardisty, St. Anne's	47	4	2	....	2	6	107	168	....	1	....	....	....	2	2	....	....	....	....	8
High Prairie, Providence	115	20	10	13	5	59	501	723	....	2	....	....	....	3	2	....	1	....	....	6
High River, Municipal	138	20	49	5	....	36	393	641	....	2	....	....	....	1	3	2	5	....	....	3
Innisfail, Municipal	84	8	3	2	2	31	240	370	....	....	....	....	....	1	2	2	2	....	....	7
Islay, Municipal	26	7	....	....	....	29	15	77	....	....	....	....	....	....	....	....	....	....	....	....
Jasper, Seton	3	....	....	....	....	6	10	19	....	....	....	....	1	1	1	....	1	....	....	1
Killam, General	23	2	1	1	....	14	100	141	....	....	....	....	....	1	1	....	1	....	....	1
Lacombe and District, Community	109	19	26	2	3	34	182	375	....	....	....	....	....	4	2	2	....	....	....	3
Lac la Biche, St. Catherine's	66	....	2	6	....	31	184	289	....	....	2	2	....	2	3	2	1	....	....	6
Lamont, Public	109	40	15	....	1	33	352	550	1	9	1	....	....	1	4	3	5	....	....	10
Lethbridge, St. Michael's	289	130	71	17	2	39	1131	1679	2	6	4	1	3	6	8	5	12	....	1	28
Lethbridge, Galt	279	147	61	2	9	2	945	1445	8	7	4	....	2	12	4	2	14	....	....	25
Lloydminster, Municipal	159	24	25	4	1	79	285	577	3	4	2	1	1	8	3	1	2	....	....	16
Macleod, General	Not Reported								Not Reported								Not Reported			
Magrath, Municipal	22	....	1	1	....	5	82	111	....	....	....	....	....	1	1	....	2	....	....	1
Mannville, Municipal	18	....	2	....	1	....	17	38	....	....	....	....	....	2	1	....	1	....	....	5
Medicine Hat, General	333	157	58	18	6	98	1205	1875	....	....	....	....	....	8	11	6	21	....	1	40
Mundare, General	28	....	2	1	....	5	126	162	....	....	....	....	1	....	3	....	1	....	....	1
McLennan, Sacred Heart	47	9	1	5	1	30	170	263	2	2	3	5	....	2	4	....	....	....	....	4
Myrnam, Municipal	32	1	3	1	....	8	65	110	....	....	....	....	....	....	2	....	2	....	....	3
Nordegg, General	9	....	1	....	2	31	29	72	....	....	....	....	....	....	2	1	....	....	....	2
Olds, General	35	1	6	....	1	10	117	170	....	....	....	....	....	....	5	....	2	....	....	3
Peace River, Municipal	101	14	16	2	3	15	130	281	....	....	....	....	....	....	1	....	3	....	....	4
Pincher Creek, St. Vincent's	67	8	2	....	....	84	77	238	3	....	....	....	1	1	....	1	5	....	....	9
Provost, Municipal	36	1	3	....	....	8	....	48	....	....	....	....	....	2	....	....	....	....	....	5
Radway, St. Joseph's	49	....	10	....	....	9	82	150	....	....	....	....	1	2	....	4	2	....	....	7
Raymond, Municipal	45	1	2	1	....	5	95	149	....	1	....	....	....	....	....	1	....	....	....	1
Red Deer, Municipal	261	108	33	11	10	52	457	932	....	....	....	....	....	1	6	5	5	....	....	2
Rimbey, St. Paul's	35	5	....	....	....	23	73	136	....	....	1	....	....	1	....	....	....	....	....	....
Rocky Mountain House	168	5	3	2	....	....	101	279	....	....	....	....	1	....	6	1	....	....	....	9
Smoky Lake, George McDougall	30	1	5	3	1	30	161	231	....	....	....	....	....	....	1	3	....	....	....	3
Spirit River, Holy Cross Community	22	2	5	2	1	7	63	102	....	....	....	....	....	....	2	2	1	....	....	9
St. Paul, St. Theresa	66	3	18	5	1	25	537	655	....	....	....	....	....	....	5	4	2	1	....	14
Stettler, Municipal	89	23	8	1	5	41	219	386	1	....	....	....	....	7	1	3	1	1	....	3
Taber, Municipal	95	15	8	3	1	15	247	384	....	....	....	....	....	5	1	....	3	....	1	1
Trochu, St. Mary's	30	....	2	2	....	17	134	185	....	....	....	....	....	....	2	3	3	....	....	7
Turner Valley, Oilfields General	1	....	2	3	....	40	35	81	....	....	....	....	....	3	1	3	....	....	....	....
Vegreville, General	137	17	21	7	4	66	549	801	3	....	....	....	1	....	2	5	4	....	....	14
Vermilion, Municipal	130	9	8	2	4	30	119	302	....	....	....	....	1	2	1	....	3	....	....	7

TABLE No. 5—Continued

Hospitals	Surgical Operations								Infections Developed in Hospitals				Deaths							
					Fractures						Obstetrical		Obstetrical							
	Abdominal	Gynaecological not including Curettages	Curettages	Amputations	Open	Closed	General	Total Operations	Medical	Surgical	Mothers	Infants	Mothers	Newborn	Stillborn	Premature	From Cancer	From Anaesthetics	From Communicable Diseases	Within 48 Hours of Admission
Viking, Municipal	28	....	4	1	....	....	106	139	....	....	....	....	....	3	1	1	....	....	....	2
Vilna, Our Lady's	4	....	....	....	....	5	32	41	....	....	....	....	....	....	1	1	....	....	1	1
Vulcan, Municipal	28	11	11	....	....	20	132	202	....	....	....	....	1	1	2	1	....	....	....	....
Wainwright, Municipal	31	....	7	6	4	25	79	152	....	....	....	....	....	....	....	....	....	....	....	1
Wayne, General	44	3	7	....	....	26	81	161	....	....	....	....	....	....	1	....	3	....	....	4
Westlock, Immaculata	155	13	19	6	5	59	375	632	....	....	....	....	1	3	5	2	2	....	1	8
Wetaskiwin, Community	258	36	21	4	49	7	270	645	3	2	1	4	....	3	7	2	1	1	1	11
Willingdon, General	37	....	....	....	2	10	143	192	....	....	....	....	....	....	1	2	1	....	....	1
Total	11225	3191	1759	451	489	2963	34423	54501	86	122	44	51	29	225	319	191	438	14	49	784

TABLE No. 5a

Hospitals	DEATHS				General Anaesthetics Given	Spinal Anaesthetics Given	Autopsies Held	Laboratory Examinations	X-Ray Examinations	Blood taken for Wasserman Test	Bacteriological Examination of Sterilized Dressings	Pasteurized Milk Supply	Water Supply Tested Bacteriologically
	Within 10 days from Surgical Operation		Total excluding Stillbirths										
	Number	Percentage to Total Operations	Male	Female									
Athabasca, Municipal	1	.80	6	2	100	....	....	....	102	2	3	No	Yes
Banff, Mineral Springs	....	....	6	2	35	20	....	9881	1001	15	4	Yes	Yes
Barrhead, St. Joseph's	....	....	13	1	260	6	....	520	226	....	4	Yes	Yes
Bassano, Municipal	2	1.2	14	5	71	50	....	....	....	....	....	No	Yes
Beaverlodge, Municipal	....	....	6	5	68	18	....	....	38	....	4	No	No
Bentley, Community	....	....	6	4	55	11	1	....	37	4	....	No	Yes
Berwyn, R.A.P.	1	1.3	7	2	30	14	....	266	110	3	4	No	Yes
Bonnyville, K.H.P.	....	....	1	....	150	1	....	329	....	5	4	No	Yes
Bonnyville, St. Louis	....	....	10	8	296	....	....	1866	404	96	1	No	Yes
Brooks, Municipal	2	.56	10	4	180	67	....	586	257	6	4	No	Yes
Calgary, General	36	.63	220	151	4236	949	149	41598	4465	57	143	Yes	Yes
Calgary, Isolation	....	....	....	....	....	....	....	....	....	....	....	....	....
Calgary, Holy Cross	33	.50	151	101	3662	980	161	51119	6330	1627	....	Yes	Yes
Calgary, Junior Red Cross	....	....	....	....	18	....	....	380	128	22	17	Yes	Yes
Calgary, Salvation Army Grace	....	....	5	7	....	....	....	....	....	216	....	Yes	Yes
Camrose, St. Mary's	1	.14	29	17	419	158	....	2341	1200	25	4	Yes	Yes
Canmore, Canmore	....	....	8	1	15	45	....	792	389	110	....	Yes	Yes
Cardston, Municipal	2	.50	17	5	249	70	....	....	443	2	12	No	Yes
Carmangay, Little Bow Municipal	....	....	10	2	....	....	1	....	....	....	....	No	Yes
Castor, Our Lady of the Rosary	....	....	9	6	165	11	....	....	....	2	....	Yes	Yes
Cereal, Esler	1	1.8	5	5	36	....	....	120	30	12	4	No	No
Claresholm, Municipal	1	.36	23	19	196	17	....	1007	243	....	6	Yes	Yes
Cold Lake, John Neil	....	....	3	1	9	....	1	123	33	....	2	No	Yes
Coleman, Miner's Union	....	....	13	2	87	8	1	264	342	....	3	Yes	Yes
Consort, Municipal	....	....	7	4	168	....	....	....	....	....	....	No	No
Coronation, General	....	....	10	4	76	15	....	7	57	....	2	No	Yes
Desmarais, St. Martin's	....	....	5	....	....	2	....	....	....	....	....	No	No
Didsbury, Municipal	....	....	4	10	93	....	....	....	....	....	....	No	Yes
Drumheller, Municipal	2	.19	32	17	289	258	....	2878	1489	20	....	Yes	Yes
Eckville, Municipal	....	....	7	13	122	19	1	....	....	....	4	No	Yes
Edmonton, Beulah Rescue Home	....	....	1	3	....	....	....	....	....	127	....	Yes	Yes
Edmonton, General	11	.48	92	73	1037	737	58	18424	13133	990	....	Yes	Yes
Edmonton, Misericordia	7	.20	93	63	2104	812	41	44220	4327	1037	25	Yes	Yes
Edmonton, Royal Alexandra	56	.87	221	143	3973	814	119	86504	12551	6015	253	Yes	Yes

TABLE No. 5a—Continued

Hospitals	DEATHS				General Anaesthetics Given	Spinal Anaesthetics Given	Autopsies Held	Laboratory Examinations	X-Ray Examinations	Blood taken for Wasserman Test	Bacteriological Examination of Sterilized Dressings	Pasteurized Milk Supply	Water Supply Tested Bacteriologically
	Within 10 days from Surgical Operation		Total excluding Stillbirths										
	Number	Percentage to Total Operations	Male	Female									
Edmonton, University of Alberta	36	.73	132	75	2008	1746	134	49711	24730	6000	42	Yes	Yes
Edson, St. John's	....	....	6	6	139	25	....	457	336	10	....	No	Yes
Elk Point, Municipal	2	.32	16	14	373	62	4	357	512	107	3	No	Yes
Empress, Cottage	....	....	8	7	26	33	....	600	....	35	2	No	Yes
Fairview, Community	....	....	8	5	124	7	....	....	70	....	2	No	Yes
Ft. McMurray, St. Gabriel's	....	....	4	5	61	....	....	40	94	4	2	....	Yes
Ft. Smith, General	....	....	7	2	58	....	....	158	187	23	3	....	....
Ft. Vermilion, St. Theresa	....	....	1	1	12	....	....	43	....	....	3	No	No
Galahad, St. Joseph's	....	....	9	2	175	12	....	987	64	4	5	No	No
Grande Prairie, Municipal	....	....	20	15	400	57	....	983	....	....	....	No	No
Grimshaw, Battle River	....	....	1	2	67	....	....	....	24	....	2	No	No
Hanna, Municipal	2	.58	26	10	211	....	3	....	....	....	3	....	....
Hardisty, St. Anne's	....	....	9	5	147	10	....	626	188	6	....	No	Yes
High Prairie, Providence	1	.13	20	14	493	84	5	3920	771	225	3	No	Yes
High River, Municipal	1	.15	16	19	491	121	....	598	445	....	5	Yes	Yes
Innisfail, Municipal	2	.54	17	15	285	1	....	....	242	1	7	No	Yes
Islay, Municipal	....	....	1	3	36	25	....	29	86	4	4	No	Yes
Jasper, Seton	....	....	4	3	3	....	....	203	164	25	....	Yes	Yes
Killam, General	....	....	3	4	32	20	....	500	137	10	4	No	Yes
Lacombe and District Community	....	....	10	9	302	37	....	532	243	....	3	Yes	Yes
Lac La Biche, St. Catherine's	1	.34	11	8	135	....	....	825	183	6	4	No	Yes
Lamont, Public	....	....	20	12	226	182	3	10802	2568	140	....	No	Yes
Lethbridge, Isolation	....	....	....	....	....	....	....	....	....	....	....	Yes	Yes
Lethbridge, St. Michael's	11	.65	54	28	1031	271	9	22021	1490	1662	20	Yes	Yes
Lethbridge, Galt	2	.14	53	39	834	284	....	14186	1604	1140	....	Yes	Yes
Lloydminster, Municipal	4	.69	28	25	502	3	1	1620	971	30	2	Yes	Yes
Macleod, General	....		Not Reported				Not Reported				Not Reported		
Magrath, Municipal	....	....	5	1	102	9	....	27	....	....	....	Yes	Yes
Mannville, Municipal	....	....	5	4	91	14	....	449	51	8	1	No	No
Medicine Hat, General	7	.37	79	65	1102	182	....	8230	....	749	2	Yes	Yes
Medicine Hat, Isolation	....	....	....	....	....	....	....	....	....	....	....	Yes	Yes
Mundare, General	....	....	4	5	126	22	....	570	103	....	3	No	Yes
McLennan, Sacred Heart	....	....	8	3	174	1	3	1250	231	175	2	No	Yes
Myrnam, Municipal	1	.90	7	5	107	3	....	....	5	....	....	No	Yes

Nordegg, General	1	1.4	4	....	31	9	....	350	133	45	....	Yes	Yes
Olds, Municipal	....	....	10	9	122	9	....	9	....	3	....	Yes	Yes
Peace River, Municipal	2	.71	11	2	282	....	....	....	311	3	2	....	Yes
Pincher Creek, St. Vincent's	....	....	19	11	101	5	....	403	455	8	....	Yes	Yes
Provost, Municipal	....	....	12	2	69	37	....	....	57	1	....	....	....
Radway, St. Joseph's	....	....	5	9	148	2	....	876	191	14	4	No	Yes
Raymond, Municipal	1	.67	4	3	158	27	....	3	12	4	....	Yes	Yes
Red Deer, Municipal	6	.64	19	19	457	223	....	670	496	12	6	Yes	Yes
Rimbey, St. Paul's	1	.73	5	4	92	24	....	723	138	....	6	No	No
Rocky Mountain House,	2	.71	11	11	137	20	....	....	193	....	4	No	No
Smoky Lake, Geo. McDougall	2	.86	10	3	103	15	1	234	180	47	4	No	Yes
Spirit River, Holy Cross	....	....	12	5	64	....	....	319	278	15	4	No	No
St. Paul, St. Theresa	2	.30	19	9	432	223	2	1770	849	23	12	....	....
Stettler, Municipal	3	.77	21	13	224	93	4	1303	462	41	....	No	Yes
Taber, Municipal	....	....	11	11	150	80	....	1500	231	67	....	Yes	Yes
Trochu, St. Mary's	....	....	13	8	156	....	....	393	145	....	3	No	....
Turner Valley, Oilfields General	....	....	3	5	4	6	....	4	100	2	....	No	No
Vegreville, General	....	....	24	15	698	16	2	5113	769	261	2	No	Yes
Vermilion, Municipal	2	.66	11	14	170	71	....	980	246	4	4	Yes	Yes
Viking, Municipal	....	....	6	5	109	30	....	104	151	....	....	No	Yes
Vilna, Our Lady's	....	....	9	....	20	1	....	140	65	18	....	No	No
Vulcan, Municipal	....	....	12	3	120	44	....	14	103	....	....	Yes	No
Weinwright, Municipal	....	....	12	6	130	....	....	29	133	6	1	Yes	Yes
Wayne, General	2	1.3	6	3	72	48	....	150	321	20	3	No	Yes
Westlock, Immaculata	....	....	18	9	300	10	....	1300	398	266	3	Yes	Yes
Wetaskiwin, Community	2	.31	18	20	606	39	5	648	784	33	....	Yes	Yes
Willingdon, General	....	....	7	3	104	78	....	818	240	5	4	No	Yes
Total	252	.46	1948	1293	33131	9403	709	397802	90275	21655	728	....	....

TABLE No. 6

Hospitals	Salaries and Audit	Board Meetings	Office Expenses	Stationery, Printing, Postage	Telegraph and Telephones	Insurance	Sundry	Total Administration
Athabasca, Municipal	$ 1,602.00	$ 410.40	$ 164.99	$ 339.32	$ 171.61	$ 489.14	$ 949.07	$ 4,126.53
Banff, Mineral Springs	7,741.38	.....	569.30	631.36	131.56	921.20	1,494.43	11,489.23
Barrhead, St. Joseph's	780.00	.....	50.00	126.30	79.15	51.20	97.03	1,183.68
Bassano, Municipal	1,200.0	423.20	100.00	240.55	154.52	186.82	235.16	2,540.25
Beaverlodge, Municipal	685.00	79.75	99.47	114.52	56.47	50.32	226.73	1,312.26
Bentley, Community	70.00	35.60	6.10	42.49	103.04	10.00	269.40	536.63
Berwyn, R. A. P.	455.00	271.60	9.27	276.32	61.89	76.78	175.64	1,326.50
Bonnyville, K. H. P.	.....	.....	90.45	132.44	128.57	201.47	137.08	690.01
Bonnyville, St. Louis	545.00	.....	125.78	100.00	82.92	.....	.....	853.70
Brooks, Municipal	900.00	245.00	26.11	497.53	81.33	168.18	201.29	2,119.44
Calgary, General	29,232.13	.....	.....	6,483.75	2,340.96	5,417.72	10,635.11	54,109.67
Calgary, Isolation	904.06	.....	.....	180.00	137.29	203.20	360.00	1,784.55
Calgary, Holy Cross	30,921.52	508.91	2,562.90	2,237.80	2,408.02	5,782.98	11,547.47	55,969.60
Calgary, Junior Red Cross	993.74	.....	.....	117.47	245.35	394.34	454.95	2,205.85
Calgary, Salvation Army Grace	3,419.27	.....	15.00	114.92	291.38	111.46	38.25	3,990.28
Camrose, St. Mary's	2,100.00	.....	279.86	519.52	206.91	275.66	24,278.11	27,660.06
Canmore, Canmore Hospital	720.00	.....	473.80	76.01	819.52	393.10	.....	2,482.43
Cardston, Municipal	1,345.00	398.00	20.70	308.27	179.52	285.58	326.14	2,863.21
Carmangay, Little Bow Municipal	547.50	153.20	24.59	174.83	141.49	175.00	204.11	1,420.72
Castor, Our Lady of the Rosary	.....	.....	.....	301.09	202.59	49.50	100.00	653.18
Cereal, Esler	97.50	10.90	.....	162.15	199.35	.....	77.24	547.14
Claresholm, Municipal	1,500.00	283.50	89.34	255.03	132.64	275.32	80.22	2,616.05
Cold Lake, John Neil	10.00	.....	.....	72.25	57.49	.....	.....	139.74
Coleman, Miners' Union	365.00	.....	37.50	34.25	125.87	5.00	100.00	667.62
Consort, Municipal	570.00	322.20	.....	58.25	122.32	109.49	.....	1,182.26
Coronation, General	850.00	292.60	61.89	300.83	100.20	39.53	113.15	1,758.20
Desmarais, St. Martin's	.....	.....	.....	20.00	.....	.....	.....	20.00
Didsbury, General	720.00	305.40	48.75	268.23	102.20	130.00	155.44	1,730.02
Drumheller, Municipal	4,833.36	848.60	590.00	1,288.56	213.35	964.39	1,417.96	10,156.22
Eckville, Municipal	420.00	326.80	50.00	598.72	236.14	195.47	99.90	1,927.03
Edmonton, Beulah Rescue Home	2,050.75	550.36	53.18	125.73	89.95	298.94	686.03	3,854.94
Edmonton, General	20,545.91	.....	2,899.25	2,917.38	992.53	1,555.69	10,002.40	38,913.16
Edmonton, Misericordia	17,665.50	.....	.....	2,209.56	1,178.19	319.79	5,423.53	26,796.57
Edmonton, Royal Alexandra	53,051.24	.....	.....	8,090.87	1,889.87	11,058.73	16,482.90	90,573.61
Edmonton, University of Alberta	53,729.28	3,780.44	1,873.83	4,467.69	5,106.13	3,469.94	14,453.48	86,880.79
Edson, St. John's	1,520.00	258.50	91.31	203.33	149.28	159.99	165.94	2,548.35
Elk Point, Municipal	910.00	318.50	124.50	207.59	104.39	.....	211.00	1,875.98
Empress, Cottage	600.00	.....	.....	121.97	115.12	186.26	881.65	1,905.00
Fairview, Community	455.00	52.60	.....	98.80	56.19	84.80	53.90	801.29
Ft. McMurray, St. Gabriel's	890.00	63.00	72.76	57.86	6.99	15.00	38.00	1,143.61
Ft. Smith, General		No Report			No Report			
Fort Vermilion, St. Theresa	.....	.....	.....	11.50	.....	17.82	7.00	36.32
Galahad, St. Joseph's	.....	.....	.....	125.50	126.16	212.98	103.63	568.27
Grande Prairie, Municipal	2,997.85	262.00	130.05	653.10	237.03	515.75	333.70	5,129.48
Grimshaw, Battle River	.....	.....	1.36	92.30	10.31	.....	36.15	140.12

Hanna, Municipal	1,740.00	764.00	200.00	732.34	284.06	315.13	791.72	4,827.25
Hardisty, St. Anne's	.....	.....	109.18	156.03	140.73	59.60	108.20	573.74
High Prairie, Providence	1,092.50	.....	144.17	288.30	36.48	230.75	430.65	2,222.85
High River, Municipal	1,932.50	291.80	.....	577.62	394.55	375.25	165.21	3,736.93
Innisfail, Municipal	1,200.00	389.60	118.85	202.97	166.06	570.18	574.87	3,222.53
Islay, Municipal	480.00	310.00	24.15	283.66	98.24	125.25	239.23	1,560.53
Jasper, Seton	1,200.00	.....	218.22	85.02	81.10	89.00	.....	1,673.34
Killam, General	.....	.....	80.10	29.69	92.48	30.00	502.62	734.89
Lacombe and District, Community	1,875.00	351.20	12.00	318.69	377.50	260.65	176.48	3,371.52
Lac la Biche, St. Catherine's	600.00	.....	70.35	224.51	66.71	.....	757.00	1,718.57
Lamont, Public	6,350.49	414.28	.....	1,151.58	503.20	209.94	1,017.44	9,646.93
Lethbridge, Isolation	264.42	.....	17.82	7.00	45.63	17.42	126.40	478.69
Lethbridge, St. Michael's	10,903.10	.....	2,328.70	1,873.18	828.29	819.02	4,812.29	21,564.58
Lethbridge, Galt	6,621.93	.....	407.24	1,687.35	950.24	626.56	3,862.76	14,156.08
Lloydminster, Municipal	1,919.97	1,066.20	121.21	565.41	288.19	472.32	206.34	4,579.64
Macleod, General	820.00	.....	.....	145.80	161.47	48.20	369.54	1,545.01
Magrath, Municipal	558.92	185.60	47.86	182.78	112.71	5.00	82.55	1,175.42
Mannville, Municipal	610.00	303.90	8.59	172.91	136.07	124.97	62.31	1,418.75
Medicine Hat, General	5,790.00	81.09	4,071.74	1,121.22	1,086.46	1,472.23	2,192.24	15,814.98
Medicine Hat, Isolation	.....	.....	.....	.....	.....	9.20	.....	9.20
Mundare, General	1,000.00	2.85	17.42	69.46	98.60	117.80	54.14	1,360.27
McLennan, Sacred Heart	1,920.00	.....	106.00	400.17	120.48	218.82	575.00	3,340.47
Myrnam, Municipal	500.00	154.80	26.49	411.29	71.52	28.48	220.09	1,412.67
Nordegg, General	.....	.....	44.92	166.59	104.54	.....	24.91	340.96
Olds, General	838.46	261.90	73.00	372.55	200.21	107.89	69.23	1,923.24
Peace River, Municipal	1,180.00	408.60	.....	450.55	138.71	241.90	317.72	2,737.48
Pincher Creek, St. Vincent's	.....	.....	165.40	254.60	95.15	270.24	40.00	825.39
Provost, Municipal	665.00	409.80	131.50	383.28	208.98	210.00	63.55	2,072.11
Radway, St. Joseph's	1,080.00	.....	52.01	187.29	213.66	277.01	216.79	2,026.76
Raymond, Municipal	965.04	196.60	23.59	409.62	77.58	113.08	129.20	1,914.71
Red Deer, Municipal	3,209.20	.....	8.10	556.46	207.42	416.00	278.76	4,675.94
Rimbey, St. Paul's	1,895.92	.....	554.48	199.39	138.37	104.12	353.00	3,245.28
Rocky Mountain House	.....	.....	.....	279.82	158.06	.....	68.00	505.88
Smoky Lake, George McDougall	887.62	.....	446.91	174.33	244.69	.....	1,671.14	3,424.69
Spirit River, Holy Cross Community	1,200.00	.....	85.00	80.00	54.75	75.00	327.89	1,822.64
St. Paul, St. Theresa	2,244.10	.....	135.47	976.75	187.43	570.51	391.10	4,505.36
Stettler, Municipal	1,060.00	432.84	5.00	789.17	206.43	715.19	2,233.20	5,441.83
Taber, Municipal	1,135.33	50.00	63.20	525.38	203.35	26.30	94.39	2,097.95
Trochu, St. Mary's	300.00	.....	.....	50.63	122.32	223.63	.....	696.58
Turner Valley, Oilfields General	29.64	.....	.....	195.63	227.04	19.57	23.00	494.88
Vegreville, General	1,485.30	.....	257.95	700.10	183.14	210.00	.....	2,836.49
Vermilion, Municipal	880.00	529.80	104.37	303.61	113.24	12.00	384.09	2,327.11
Viking, Municipal	1,165.00	427.25	38.12	374.89	102.77	249.55	356.14	2,713.72
Vilna, Our Lady's	900.00	128.40	61.36	76.49	110.16	106.59	251.96	1,634.96
Vulcan, Municipal	720.00	334.00	.....	410.43	127.10	182.08	292.70	2,066.31
Wainwright, Municipal	600.00	390.00	797.26	493.74	173.99	132.00	107.90	2,694.89
Wayne, General	740.00	.....	355.78	146.45	265.47	209.28	105.39	1,822.37
Westlock, Immaculata	1,400.00	.....	568.92	435.12	406.12	110.50	423.60	3,344.26
Wetaskiwin, Community	1,370.75	239.00	68.02	412.71	261.82	341.26	66.00	2,759.56
Willingdon, General	800.00	.....	17.58	61.61	101.35	37.98	48.84	1,067.36
Total	$ 322,073.18	$ 18,324.57	$ 22,930.07	$ 55,610.11	$ 30,090.41	$ 46,045.99	$ 128,318.77	$ 623,393.10

TABLE No. 6a

Hospitals	Professional Care of Patients			Kitchen and Dining Room		
	Salaries	Supplies	Total	Wages	Food Supply	Total
Athabasca, Municipal	$ 8,173.19	$ 1,566.77	$ 9,739.96	$ 1,100.41	$ 5,026.09	$ 6,126.50
Banff, Mineral Springs	58,211.67	17,217.43	75,429.10	7,637.56	34,690.71	42,328.27
Barrhead, St. Joseph's	113.50	13,001.31	13,114.81	1,770.00	2,877.70	4,647.70
Bassano, Municipal	8,371.11	2,209.97	10,581.08	1,024.61	3,954.66	4,979.27
Beaverlodge, Municipal	4,781.60	458.84	5,240.44	661.15	2,349.02	3,010.17
Bentley, Community	1,862.83	1,383.96	3,246.79	231.50	757.57	989.07
Berwyn, R. A. P.	5,860.90	1,604.11	7,465.01	518.73	3,003.93	3,522.66
Bonnyville, K. H. P.	5,019.00	1,880.72	6,899.72	611.00	2,949.89	3,560.89
Bonnyville, St. Louis	4,900.00	623.50	5,523.50	2,000.00	3,068.40	5,068.40
Brooks, Municipal	8,863.54	2,903.91	11,767.45	2,097.23	4,669.59	6,766.82
Calgary, General	120,044.21	63,618.74	183,662.95	31,646.16	87,825.30	119,471.46
Calgary, Isolation	9,137.77	366.80	9,504.57	1,923.69	5,694.30	7,617.99
Calgary, Holy Cross	117,095.31	56,378.22	173,473.53	42,332.13	80,443.42	122,775.55
Calgary, Junior Red Cross	21,918.84	9,752.97	31,671.81	6,477.54	9,626.20	16,103.74
Calgary, Salvation Army Grace	9,481.54	2,110.54	11,592.08	1,670.21	6,758.20	8,428.41
Camrose, St. Mary's	22,933.33	14,795.21	37,728.54	2,640.00	8,838.81	11,478.81
Canmore, Canmore	2,978.35	5,519.70	8,498.05	1,156.16	4,095.39	5,251.55
Cardston, Municipal	11,453.56	5,024.62	16,478.18	2,908.18	5,739.58	8,647.76
Carmangay, Little Bow Municipal	4,051.80	1,135.08	5,186.88	563.10	1,660.15	2,223.25
Castor, Our Lady of the Rosary	6,488.00	2,451.16	8,939.16	960.00	2,353.85	3,313.85
Cereal, Esler	2,873.40	265.16	3,138.56	1,870.04	801.20	2,671.24
Claresholm, Municipal	13,761.20	4,635.22	18,396.42	2,284.89	7,771.14	10,056.03
Cold Lake, John Neil	2,963.23	781.62	3,744.85	497.28	1,616.12	2,113.40
Coleman, Miners' Union	4,262.42	2,148.12	6,410.54	1,365.00	2,062.11	3,427.11
Consort, Municipal	5,174.87	985.05	6,159.92	1,310.91	3,311.26	4,622.17
Coronation, General	6,895.44	1,771.89	8,667.33	972.83	4,077.05	5,049.88
Desmarais, St. Martin's	1,820.00	65.00	1,885.00	.....	817.00	817.00
Didsbury, General	4,893.95	1,860.59	6,754.54	953.75	2,207.56	3,161.31
Drumheller, Municipal	29,435.57	7,903.01	37,338.58	3,201.41	16,169.64	19,371.05
Eckville, Municipal	6,000.09	2,684.35	8,684.44	1,050.40	4,442.77	5,493.17
Edmonton, Beulah Rescue Home	4,374.42	749.34	5,123.76	530.50	3,880.74	4,411.24
Edmonton, General	114,646.87	37,836.19	152,483.06	34,566.34	83,438.80	118,005.14
Edmonton, Misericordia	73,284.77	67,032.57	140,317.34	15,227.82	52,083.91	67,311.73
Edmonton, Royal Alexandra	206,225.06	97,833.77	304,058.83	30,314.95	120,892.38	151,207.33
Edmonton, University of Alberta	236,536.14	140,776.20	377,312.34	49,407.23	148,877.17	198,284.40
Edson, St. John's	7,872.00	1,218.99	9,090.99	3,019.30	4,133.09	7,152.39
Elk Point, Municipal	10,808.88	4,088.80	14,897.68	1,018.78	7,791.08	8,809.86
Empress, Cottage	5,299.45	3,341.37	8,640.82	2,253.90	3,478.90	5,732.80
Fairview, Community	5,048.07	1,641.46	6,689.53	1,378.00	3,059.91	4,437.91
Ft. McMurray, St. Gabriel's	4,267.95	1,028.40	5,296.35	1,507.50	4,301.78	5,809.28
Ft. Smith, General		No Report			No Report	
Fort Vermilion, St. Theresa	1,460.00	431.66	1,891.66	.....	1,085.45	1,085.45
Galahad, St. Joseph's	4,500.00	2,378.90	6,878.90	960.00	4,869.18	5,829.18
Grande Prairie, Municipal	18,197.10	4,887.60	23,084.70	2,395.25	7,886.93	10,282.18

Grimshaw, Battle River	3,293.73	1,013.76	4,307.49	930.74	2,312.69	3,243.43
Hanna, Municipal	14,082.85	6,386.78	20,469.63	1,993.96	8,410.29	10,404.25
Hardisty, St. Anne's	5,057.75	3,096.69	8,154.44	1,577.60	2,776.50	4,354.10
High Prairie, Providence	11,853.00	7,467.07	19,320.07	1,689.55	9,215.98	10,905.53
High River, Municipal	18,212.00	5,120.59	23,332.59	2,104.40	11,898.28	14,002.68
Innisfail, Municipal	11,346.00	4,978.15	16,324.15	1,482.55	5,347.35	6,829.90
Islay, Municipal	5,040.01	1,317.38	6,357.39	633.95	2,623.14	3,257.09
Jasper, Seton	5,979.73	1,636.20	7,615.93	1,320.00	2,822.13	4,142.13
Killam, General	6,128.00	1,992.20	8,120.20	2,060.00	2,808.61	4,868.61
Lacombe and District, Community	9,565.97	4,212.61	13,778.58	1,130.05	5,535.96	6,666.01
Lac la Biche, St. Catherine's	2,100.00	4,767.45	6,867.45	600.00	2,281.31	2,881.31
Lamont, Public	15,613.67	8,074.13	23,687.80	2,503.37	17,880.28	20,383.65
Lethbridge, Isolation	1,374.72	35.93	1,410.65	4.00	352.05	356.05
Lethbridge, St. Michael's	45,771.71	19,444.29	65,216.00	9,198.75	32,152.26	41,351.01
Lethbridge, Galt	37,315.13	9,323.96	46,639.09	10,939.59	32,389.57	43,329.16
Lloydminster, Municipal	20,410.90	4,229.61	24,640.51	4,621.85	13,222.71	17,844.56
Macleod, General	8,244.21	3,255.15	11,499.36	2,595.23	6,514.56	9,109.79
Magrath, Municipal	5,326.85	2,263.44	7,590.29	1,092.40	2,394.08	3,486.48
Mannville, Municipal	6,342.76	1,918.30	8,261.06	1,195.86	3,364.07	4,559.93
Medicine Hat, General	39,557.52	17,008.42	56,565.94	9,610.63	33,828.16	43,438.79
Medicine Hat, Isolation	916.15	.....	916.15	.....	446.65	446.65
Mundare, General	3,695.00	1,122.90	4,817.90	.....	3,762.28	3,762.28
McLennan, Sacred Heart	3,433.22	2,270.49	5,703.71	2,040.00	7,669.49	9,709.49
Myrnam, Municipal	9,730.78	2,387.15	12,117.93	621.00	3,346.84	3,967.84
Nordegg, General	4,745.08	588.41	5,333.49	1,631.00	3,527.79	5,158.79
Olds, General	6,695.77	3,479.01	10,174.78	3,767.84	4,856.95	8,624.79
Peace River, Municipal	11,649.85	4,096.26	15,746.11	1,704.81	6,845.08	8,549.89
Pincher Creek, St. Vincent's	8,105.00	2,253.40	10,358.40	750.00	6,408.21	7,158.21
Provost, Municipal	7,298.80	1,754.14	9,052.94	1,761.50	3,666.24	5,427.74
Radway, St. Joseph's	7,196.85	1,771.74	8,968.59	1,377.75	4,658.98	6,036.73
Raymond, Municipal	5,109.51	2,261.06	7,370.57	1,295.45	2,577.93	3,873.38
Red Deer, Municipal	19,823.90	7,403.19	27,227.09	2,457.45	10,219.64	12,677.09
Rimbey, St. Paul's	4,422.74	3,369.21	7,791.95	1,469.00	2,738.13	4,207.13
Rocky Mountain House	5,158.00	1,523.49	6,681.49	2,688.35	2,986.64	5,674.99
Smoky Lake, George McDougall	8,180.88	4,040.30	12,221.18	968.54	1,912.82	2,881.36
Spirit River, Holy Cross Community	4,740.00	1,831.50	6,571.50	1,245.00	3,001.54	4,246.54
St. Paul, St. Theresa	10,533.40	3,932.56	14,465.96	3,796.09	7,528.66	11,324.75
Stettler, Municipal	12,770.56	4,403.54	17,174.10	1,674.82	6,813.82	8,488.64
Taber, Municipal	13,059.19	4,598.98	17,658.17	2,603.54	6,192.40	8,795.94
Trochu, St. Mary's	6,856.45	1,668.61	8,525.06	1,260.00	2,379.82	3,639.82
Turner Valley, Oilfields General	5,861.59	2,002.21	7,863.80	1,676.60	4,736.54	6,413.14
Vegreville, General	11,668.67	8,654.23	20,322.90	1,745.50	8,069.01	9,814.51
Vermilion, Municipal	8,810.77	2,302.53	11,113.30	1,733.15	4,998.48	6,731.63
Viking, Municipal	8,838.56	1,998.33	10,836.89	.....	4,390.87	4,390.87
Vilna, Our Lady's	4,794.75	420.39	5,215.14	1,010.00	1,936.82	2,946.82
Vulcan, Municipal	7,927.10	1,047.63	8,974.73	1,170.10	4,153.13	5,323.23
Wainwright, Municipal	8,446.46	2,426.06	10,872.52	3,381.63	4,122.81	7,504.44
Wayne, General	6,478.55	2,004.86	8,483.41	1,073.54	3,247.08	4,320.62
Westlock, Immaculata	13,419.43	6,362.34	19,781.77	2,473.94	7,755.27	10,229.21
Wetaskiwin, Community	15,897.62	6,653.43	22,551.05	2,184.80	8,191.11	10,375.91
Willingdon, General	5,576.46	2,155.80	7,732.26	1,169.00	4,667.90	5,836.90
Total	$1,726,798.53	$ 788,674.68	$2,515,473.21	$ 374,030.32	$1,111,376.84	$1,485,407.16

TABLE No. 6b—GENERAL HOUSE AND PROPERTY

Hospitals	Housekeeping		Laundry		Engineer & Janitor		Fuel	Light and Power	Ice and Water	Sundry	Total
	Wages	Supplies	Wages	Supplies	Wages	Supplies					
Athabasca, Municipal	$ 379.28	$ 2.76	$ 1,080.16	$ 145.46	$ 1,249.33	$ 24.02	$ 1,867.36	$ 804.00	$ 249.20	$ 32.49	$ 5,834.06
Banff, Mineral Springs	3,352.20	3,841.72	.....	4,009.28	.....	6,162.01	4,785.68	.....	2,428.37	200.52	24,779.78
Barrhead, St. Joseph's	1,320.00	380.00	.....	134.12	790.00	142.00	634.71	617.55	.....	.....	4,018.38
Bassano, Municipal	599.21	431.79	1,264.00	.....	1,065.13	126.20	991.49	708.66	306.00	.....	5,492.48
Beaverlodge, Municipal	.....	53.15	425.75	53.80	732.00	82.95	595.90	803.79	.....	13.80	2,761.14
Bentley, Community	219.55	.....	28.20	13.75	.....	.....	288.39	118.68	.....	.....	668.57
Berwyn, R. A. P.	471.14	174.78	446.10	38.62	620.00	3.70	802.50	1,022.14	.....	.....	3,578.98
Bonnyville, K. H. P.	464.50	465.73	443.00	195.17	1,023.00	146.36	640.40	948.00	38.50	.....	4,364.66
Bonnyville, St. Louis	570.00	128.00	990.00	465.41	1,400.00	92.00	940.00	540.00	87.27	.....	5,212.68
Brooks, Municipal	407.97	307.04	.....	1,493.15	720.00	3.85	818.62	553.79	177.30	.....	4,481.72
Calgary, General	23,839.70	14,054.41	20,791.85	1,927.93	.....	.....	9,969.82	6,774.87	3,039.75	.....	80,398.33
Calgary, Isolation	.....	336.53	664.44	24.00	.....	.....	745.74	375.55	225.99	.....	2,372.25
Calgary, Holy Cross	11,906.24	2,419.04	12,627.33	990.58	23,051.52	768.10	8,595.54	5,059.16	3,055.10	.....	68,472.61
Calgary, Junior Red Cross	.....	1,315.73	2,353.66	322.65	4,637.50	.....	924.48	977.38	.....	.....	10,531.40
Calgary, Salvation Army Grace	.....	540.15	675.35	457.53	834.02	66.05	1,456.30	.....	391.01	.....	4,420.41
Camrose, St. Mary's	4,602.34	1,443.77	.....	154.54	900.00	1,999.25	.....	802.92	1,259.03	.....	11,161.85
Canmore, Canmore	.....	.....	179.55	90.00	.....	287.99	295.90	30.00	.....	.....	883.44
Cardston, Municipal	856.00	117.79	1,326.03	416.09	1,350.00	7.10	1,043.18	1,132.04	119.20	.....	6,367.43
Carmangay, Little Bow Municipal	.....	.....	785.20	71.36	470.00	.....	306.07	403.89	150.00	.....	2,186.52
Castor, Our Lady of the Rosary	480.00	.....	480.00	203.59	1,200.00	.....	670.99	476.06	34.25	.....	3,544.89
Cereal, Esler	.....	.....	59.95	.....	118.50	.....	131.97	177.82	10.50	.....	498.74
Claresholm, Municipal	674.80	647.90	1,366.00	484.05	625.00	159.61	739.50	739.50	370.80	81.76	5,888.92
Cold Lake, John Neil	324.00	124.28	360.00	89.52	1,140.00	.....	351.80	88.94	35.00	.....	2,513.54
Coleman, Miners' Union	.....	292.36	628.89	.....	1,235.00	18.00	227.92	276.45	.....	.....	2,678.62
Consort, Municipal	.....	.....	1,637.38	.....	600.00	.....	609.00	229.00	323.21	.....	3,398.59
Coronation, General	369.25	541.60	544.96	3.00	604.15	49.05	744.56	555.14	240.00	.....	3,651.71
Desmarais, St. Martin's	300.00	.....	206.50	105.25	325.00	.....	290.25	98.00	93.00	.....	1,418.00
Didsbury, General	.....	312.83	.....	826.85	1,022.50	43.55	384.45	435.28	21.10	.....	3,046.56
Drumheller, Municipal	3,303.65	777.26	2,482.29	604.39	5,948.35	720.72	1,864.10	3,515.27	1,547.09	.....	20,763.12
Eckville, Municipal	568.22	83.09	681.15	525.24	662.05	216.97	836.60	1,315.61	15.75	.....	4,904.68
Edmonton, Beulah Rescue Home	.....	345.30	530.65	.....	979.43	.....	940.78	397.28	42.10	.....	3,235.54
Edmonton, General	21,685.55	5,525.65	9,243.58	1,336.75	16,137.28	.....	7,054.60	3,067.17	4,026.76	.....	68,077.34
Edmonton, Misericordia	38,602.27	5,268.72	3,698.33	4,103.56	8,862.64	5,274.86	6,967.85	3,134.40	2,522.70	.....	78,435.33
Edmonton, Royal Alexandra	53,077.24	6,141.68	25,499.69	228.41	37,676.71	5,621.47	12,096.06	7,353.57	5,276.21	.....	154,970.95
Edmonton, University of Alberta	24,262.98	5,147.48	20,530.12	1,542.06	21,118.02	1,025.90	22,384.78	7,920.00	5,162.15	.....	109,093.49
Edson, St. John's	960.00	862.36	658.20	174.87	1,625.00	5.55	819.09	1,047.18	203.15	.....	6,355.40
Elk Point, Municipal	1,606.66	550.00	811.47	348.84	751.25	61.55	1,878.22	1,200.00	134.60	532.05	7,874.64
Empress Cottage	.....	171.11	413.85	105.10	435.00	.....	665.75	580.18	.....	.....	2,370.99
Fairview, Community	.....	331.26	572.68	105.97	368.00	2.80	628.60	1,071.54	374.00	.....	3,454.86
Ft. McMurray, St. Gabriel's	2,042.19	265.50	1,021.91	214.99	967.89	138.58	1,368.29	324.21	49.00	.....	6,392.56
Ft. Smith, General	No Report				No Report					No Report	
Fort Vermilion, St. Theresa	258.00	.....	144.00	.....	500.00	.....	125.00	15.00	15.00	.....	1,057.00
Galahad, St. Joseph's	400.00	491.65	400.00	150.50	600.00	125.50	293.60	740.02	.....	.....	3,201.27
Grande Prairie, Municipal	567.00	102.91	557.80	361.39	1,941.40	58.91	2,480.79	1,740.53	.....	.....	7,810.73
Grimshaw, Battle River	.....	66.63	428.20	.....	355.00	162.13	161.62	603.10	326.50	.....	2,103.18

Hanna, Municipal	2,077.65	802.29	844.78	452.69	1,782.90	12.16	1,438.95	1,689.08	210.35	39.50	9,350.35
Hardisty, St. Anne's	.....	.....	272.00	58.98	519.50	.....	576.55	649.51	.....	.....	2,076.54
High Prairie, Providence	4,120.00	766.91	1,154.15	705.11	2,959.50	.....	1,505.34	988.36	411.00	.....	12,610.37
High River, Municipal	2,866.35	526.92	1,775.40	396.40	1,495.00	.....	1,920.87	1,893.75	234.36	.....	11,109.05
Innisfail, Municipal	.....	192.45	1,424.21	115.22	1,860.00	205.56	1,160.25	995.76	.....	20.70	5,974.15
Islay, Municipal	.....	236.80	669.07	73.33	922.90	10.14	586.25	941.88	168.63	.....	3,609.00
Jasper, Seton	1,203.50	342.54	438.00	155.18	395.00	16.75	752.21	606.24	266.08	.....	4,175.50
Killam, General	940.00	469.99	940.00	192.16	.....	.....	242.84	344.60	.....	.....	3,129.59
Lacombe and District, Community	2,266.50	569.29	1,326.75	163.60	2,400.00	157.70	1,789.40	844.89	555.21	.....	10,073.34
Lac la Biche, St. Catherine's	500.00	98.66	520.00	160.41	1,200.00	215.00	1,250.25	301.85	183.00	.....	4,429.17
Lamont, Public	2,686.42	570.16	3,015.40	1,127.00	7,054.79	182.54	5,827.53	1,427.90	.....	167.44	22,059.18
Lethbridge, Isolation	.....	.....	.....	.....	.....	.....	159.40	72.45	.....	.....	231.85
Lethbridge, St. Michael's General	9,419.90	1,510.26	4,386.70	737.69	6,873.40	353.68	3,815.83	2,485.09	1,323.38	.....	30,905.93
Lethbridge, Galt	2,718.63	2,343.82	4,092.43	1,357.08	6,211.30	548.90	4,062.79	2,745.65	1,456.86	.....	25,537.46
Lloydminster, Municipal	.....	829.98	2,790.85	429.28	1,780.00	.....	2,116.43	1,701.56	15.00	.....	9,663.10
Macleod, General	6.25	193.43	834.45	.....	.....	5.88	1,190.02	967.26	.....	.....	3,197.29
Magrath, Municipal	726.58	76.85	809.28	119.47	628.45	.....	359.00	535.41	110.50	1.50	3,367.04
Mannville, Municipal	189.71	.....	1,287.95	.....	983.39	.....	986.67	764.61	.....	.....	4,212.33
Medicine Hat, General	10,963.20	1,456.31	8,602.48	721.23	3,048.00	.....	.....	3,465.77	165.90	.....	28,422.89
Medicine Hat, Isolation	.....	.....	.....	.....	.....	.....	.....	109.96	.....	.....	109.96
Mundare, General	1,300.00	252.92	1,058.60	35.05	452.00	13.13	335.74	517.97	50.00	.....	4,015.41
McLennan, Sacred Heart	2,408.31	407.00	360.00	1,061.90	1,040.00	1,450.40	1,734.13	1,033.40	585.00	.....	10,080.14
Myrnam, Municipal	347.94	114.10	249.20	298.87	629.02	140.64	515.95	466.79	.....	.....	2,762.51
Nordegg, General	.....	93.23	.....	143.85	.....	.....	399.66	298.43	18.00	.....	953.17
Olds, General	.....	.....	978.37	89.34	2,350.00	195.62	913.28	1,422.29	.....	.....	5,948.90
Peace River, Municipal	600.65	245.42	978.85	274.37	1,253.35	28.36	946.70	1,506.86	437.55	.....	6,272.11
Pincher Creek, St. Vincent's	950.00	815.80	705.25	2,225.50	852.30	1,225.20	1,160.80	205.40	85.00	.....	8,225.25
Provost, Municipal	.....	.....	715.00	42.66	1,065.90	121.81	1,321.25	741.10	.....	.....	4,007.72
Radway, St. Joseph's	594.25	269.30	1,228.75	201.46	1,137.60	117.51	1,005.94	1,096.84	.....	.....	5,651.65
Raymond, Municipal	565.75	73.77	936.30	97.25	1,404.17	207.17	568.00	508.34	84.07	97.19	4,542.01
Red Deer, Municipal	1,196.75	1,512.22	1,291.65	407.01	2,589.00	1.62	1,743.17	2,744.71	760.05	.....	12,246.18
Rimbey, St. Paul's	1,568.00	153.16	485.00	672.39	847.10	108.96	578.80	402.56	.....	.....	4,815.97
Rocky Mountain House	.....	.....	540.00	157.38	1,080.00	86.26	586.80	663.58	.....	.....	3,114.02
Smoky Lake, George McDougall	360.00	1,141.26	490.00	232.19	1,246.24	35.35	969.55	1,193.26	62.05	.....	5,729.90
Spirit River, Holy Cross Community	122.00	190.00	1,054.28	35.15	637.33	70.00	457.37	291.46	50.00	297.09	3,204.68
St. Paul, St. Theresa	2,527.49	871.74	336.00	300.69	1,635.65	467.95	1,210.42	778.49	189.00	.....	8,317.43
Stettler, Municipal	814.95	288.13	1,151.10	111.07	1,365.70	231.21	1,123.53	1,236.43	120.00	.....	6,442.12
Taber, Municipal	1,944.25	899.16	654.00	303.04	1,220.00	72.02	867.42	780.84	172.87	.....	6,913.60
Trochu, St. Mary's	976.00	54.08	1,020.00	119.64	930.20	10.35	684.85	443.30	11.27	.....	4,249.69
Turner Valley, Oilfields General	.....	675.60	.....	558.63	.....	.....	109.99	370.29	.....	.....	1,714.51
Vegreville, General	1,451.10	500.00	1,653.00	500.00	1,272.90	850.50	1,827.84	917.41	580.54	.....	9,553.29
Vermilion, Municipal	846.96	90.90	829.80	246.34	1,060.50	258.97	1,124.73	1,066.22	5.00	12.71	5,542.13
Viking, Municipal	.....	.....	.....	536.00	.....	.....	770.90	707.04	.....	699.84	2,713.78
Vilna, Our Lady's	.....	85.29	330.00	130.76	720.07	.95	794.05	257.49	.....	.....	2,318.61
Vulcan, Municipal	380.70	109.36	638.55	71.90	991.20	.....	478.73	1,054.25	.....	.....	3,724.69
Wainwright, Municipal	.....	43.45	730.33	264.69	.....	31.70	851.36	795.76	120.64	.....	2,837.93
Wayne, General	850.37	110.18	764.87	154.90	780.00	29.50	578.25	761.17	.....	.....	4,029.24
Westlock, Immaculata	2,122.05	566.63	2,763.22	351.36	540.00	151.47	1,089.48	1,888.39	.....	.....	9,472.60
Wetaskiwin, Community	.....	763.78	1,814.34	.....	1,484.45	4.50	1,760.49	1,220.28	505.81	.....	7,553.65
Willingdon, General	500.00	101.40	769.00	266.28	638.75	.....	576.40	327.10	949.80	.....	4,128.73
Total	$261,582.15	$ 75,476.50	$176,747.50	$41,372.27	$213,978.23	$31,216.19	$157,244.41	$108,002.70	$ 42,236.51	$ 2,196.59	$1,110,053.05

TABLE No. 6c—MAINTENANCE

Hospitals	Buildings and Grounds	Furniture and Equipment	Dry Goods	Sundries and Rents	Total Maintenance	Total Running Cost
Athabasca, Municipal	$ 182.73	$ 250.21	$ 171.11	.....	$ 604.05	$ 26,431.10
Banff, Mineral Springs	850.10	4,725.12	.....	.....	5,575.22	159,601.60
Barrhead, St. Joseph's	248.00	8,230.48	359.79	$ 80.00	8,918.27	31,882.84
Bassano, Municipal	1,429.16	360.23	379.39	.....	2,168.78	25,761.86
Beaverlodge, Municipal	1,904.60	130.00	76.20	.....	2,110.80	14,434.81
Bentley, Community	26.65	12.00	142.84	97.22	278.71	5,719.77
Berwyn, R. A. P.	317.78	250.96	440.54	.....	1,009.28	16,902.43
Bonnyville, K. H. P.	957.52	263.65	197.30	1,020.64	2,439.11	17,954.39
Bonnyville, St. Louis	847.83	1,708.67	510.81	.....	3,067.31	19,725.59
Brooks, Municipal	463.68	304.32	634.81	65.82	1,468.63	26,604.06
Calgary, General	3,149.98	27,672.55	.....	36,074.52	66,897.05	504,539.46
Calgary, Isolation	78.23	1,927.78	.....	918.28	2,924.29	24,203.65
Calgary, Holy Cross	10,419.18	1,600.10	17,965.90	1,655.22	31,640.40	452,331.69
Calgary, Junior Red Cross	.....	1,371.08	490.48	.....	1,861.56	62,374.36
Calgary, Salvation Army Grace	1,563.83	.....	594.03	1,854.86	4,012.72	32,443.90
Camrose, St. Mary's	2,532.30	427.96	699.49	.....	3,659.75	91,668.51
Canmore, Canmore	137.50	697.50	289.00	900 00	2,024.00	19,139.47
Cardston, Municipal	2,099.24	146.42	579.79	1,093.52	3,918.97	38,275.55
Carmangay, Little Bow Municipal	303.71	162.74	39.23	31.80	537.48	11,554.85
Castor, Our Lady of the Rosary	3,914.66	2,010.93	155.97	43.33	6,124.89	22,575.97
Cereal, Esler	505.46	23.80	44.23	118.75	692.24	7,547.92
Claresholm, Municipal	718.44	484.50	369.67	.....	1,572.61	38,530.03
Cold Lake, John Neil	12.67	232.43	106.52	287.93	639.55	9,151.08
Coleman, Miners' Union	704.98	.....	.....	129.10	834.08	14,017.97
Consort, Municipal	385.70	315.71	183.09	.....	884.50	16,247.44
Coronation, General	1,150.05	522.80	148.50	90.00	1,911.35	21,038.47
Desmarais, St. Martin's	98.00	96.00	91.55	.....	285.55	4,425.55
Didsbury, General	67.90	218.87	533.18	1,511.70	2,331.65	17,024.08
Drumheller, Municipal	1,238.34	2,790.85	1,325.21	673.83	6,028.23	93,657.20
Eckville, Municipal	382.88	146.31	719.18	29.00	1,277.37	22,286.69
Edmonton, Beulah Rescue Home	1,049.10	432.24	484.92	251.38	2,217.64	18,853.12
Edmonton, General	22,919.97	4,229.52	8,091.92	2,258.62	37,500.03	414,978.73
Edmonton, Misericordia	1,677.22	4,136.35	6,960.34	17,347.23	30,121.14	342,982.11
Edmonton, Royal Alexandra	13,712.29	.....	9,865.45	36,000.00	59,577.74	760,388.46
Edmonton, University of Alberta	41,363.96	41,839.90	12,112.55	.....	95,316.41	866,887.43
Edson, St. John's	680.56	733.07	76.00	22.79	1,512.42	26,959.55
Elk Point, Municipal	1,905.15	2,020.12	341.15	950.12	5,216.54	38,674.70
Empress Cottage	107.10	170.96	407.33	.....	685.39	19,335.00
Fairview, Community	531.35	90.46	273.36	.....	895.17	16,278.86
Ft. McMurray, St. Gabriel's	731.33	1,223.31	304.08	430.25	2,688.97	21,330.77
Ft. Smith, General		No Report			No Report	
Fort Vermilion, St. Theresa	.....	270.60	.....	.....	270.60	4,341.03
Galahad, St. Joseph's	471.00	491.65	301.85	25.15	1,289.65	17,767.27
Grande Prairie, Municipal	909.51	1,570.37	275.96	.....	2,755.84	49,062.93

Grimshaw, Battle River	91.44	192.01	39.30	32.41	355.16	10,149.38
Hanna, Municipal	518.90	908.45	555.17	100.00	2,082.52	47,134.00
Hardisty, St. Anne's	258.70	877.88	141.70	244.05	1,522.33	16,681.15
High Prairie, Providence	1,545.52	1,207.37	1,006.29	117.73	3,876.91	48,935.73
High River, Municipal	723.63	1,046.88	1,087.37	.....	2,857.88	55,039.15
Innisfail, Municipal	136.31	361.33	456.42	49.29	1,003.35	33,354.08
Islay, Municipal	133.79	376.22	121.32	.....	631.33	15,415.34
Jasper, Seton	169.80	274.00	82.58	.....	526.38	18,133.28
Killam, General	589.40	4,819.77	1,266.14	189.58	6,864.89	23,718.18
Lacombe and District, Community	176.20	.....	.....	.....	176.20	34,065.65
Lac la Biche, St. Catherine's	1,743.80	958.00	76.90	160.82	2,939.52	18,835.48
Lamont, Public	3,551.13	3,396.17	1,255.90	1,326.18	9,529.38	85,306.94
Lethbridge, Isolation	679.00	30.88	26.66	.....	736.54	3,213.78
Lethbridge, St. Michael's General	4,707.28	.....	.....	315.88	5,023.16	164,060.68
Lethbridge, Galt	1,772.99	3,688.24	2,060.46	58.21	7,579.90	137,241.69
Lloydminster, Municipal	806.35	705.77	356.36	63.15	1,931.63	58,659.44
Macleod, General	536.69	150.77	373.26	62.05	1,122.77	26,474.22
Magrath, Municipal	108.24	235.95	178.07	192.45	714.71	16,333.94
Mannville, Municipal	526.53	79.30	73.24	.....	679.07	19,131.14
Medicine Hat, General	2,114.73	1,253.58	4,584.82	1,475.32	9,428.45	153,671.05
Medicine Hat, Isolation	126.73	.....	.....	.....	126.73	1,608.69
Mundare, General	12.60	89.02	529.44	171.71	802.77	14,758.63
McLennan, Sacred Heart	1,897.82	800.48	990.73	456.75	4,145.78	32,979.59
Myrnam, Municipal	430.45	339.15	433.12	20.06	1,222.78	21,483.73
Nordegg, General	.....	141.93	161.72	600.00	903.65	12,690.06
Olds, General	778.37	192.11	54.41	1,363.06	2,387.95	29,059.66
Peace River, Municipal	2,227.41	910.56	579.10	.....	3,717.07	37,022.66
Pincher Creek, St. Vincent's	1,070.40	3,450.25	1,095.15	75.10	5,690.90	32,258.15
Provost, Municipal	681.11	907.79	619.53	.....	2,208.43	22,768.94
Radway, St. Joseph's	306.73	379.87	507.63	418.62	1,612.85	24,296.58
Raymond, Municipal	12.40	68.58	104.58	199.89	385.45	18,086.12
Red Deer, Municipal	3,425.54	1,146.63	927.14	.....	5,544.31	62,370.61
Rimbey, St. Paul's	253.38	868.22	398.75	.....	1,520.35	21,580.68
Rocky Mountain House	273.91	.....	1,127.27	95.82	1,497.00	17,473.38
Smoky Lake, George McDougall	.....	2,148.94	.....	.....	2,148.94	26,406.07
Spirit River, Holy Cross Community	2,000.00	300.00	260.00	322.36	2,882.36	18,727.72
St. Paul, St. Theresa	2,590.85	703.81	908.85	1,581.21	5,784.72	44,398.22
Stettler, Municipal	1,396.64	1,211.24	483.83	66.70	3,158.41	40,705.10
Taber, Municipal	470.78	388.34	376.78	73.24	1,309.14	36,774.80
Trochu, St. Mary's	765.15	290.55	323.62	23.55	1,402.87	18,514.02
Turner Valley, Oilfields General	88.46	297.77	77.30	590.85	1,054.38	17,540.71
Vegreville, General	2,980.39	302.60	890.00	.....	4,172.99	46,700.18
Vermilion, Municipal	490.59	597.04	534.26	4.00	1,625.89	27,340.06
Viking, Municipal	658.65	121.48	401.19	16.50	1,197.82	21,853.08
Vilna, Our Lady's	13.33	287.98	242.08	120.12	663.51	12,779.04
Vulcan, Municipal	814.62	940.91	236.66	.....	1,992.19	22,081.15
Wainwright, Municipal	1,745.21	603.43	485.42	575.55	3,409.61	27,319.39
Wayne, General	126.05	96.58	100.30	.....	322.93	18,978.57
Westlock, Immaculata	1,408.47	674.26	1,282.62	662.69	4,028.04	46,855.88
Wetaskiwin, Community	731.57	292.54	614.36	620.77	2,259.24	45,499.41
Willingdon, General	130.00	143.65	795.35	382.05	1,451.05	20,216.30
Total	$ 171,547.68	$ 153,550.80	$ 96,070.87	$ 116,788.78	$ 537,958.13	$6,272,273.73

TABLE No. 7—EARNINGS OR REVENUE

Hospitals	Grants		Patients' Fees	Donations, Cash and Service	Tax Requisitions	Sundry Earnings	Total
	Alberta	Others					
Athabasca, Municipal	$ 3,216.15	.....	$ 11,194.27	.....	13,011.33	358.01	27,779.76
Banff, Mineral Springs	7,226.55	.....	165,444.65	$ 518.00	.....	21,906.13	195,095.33
Barrhead, St. Joseph's	3,099.15	$ 3,380.00	20,478.09	8,160.00	.....	.....	35,117.24
Bassano, Municipal	1,525.95	.....	9,090.49	.....	7,474.00	13,901.55	33,106.64
Beaverlodge, Municipal	1,525.95	.....	7,153.30	292.96	6,601.72	328.36	15,902.29
Bentley, Community	634.95	145.70	3,806.67	.....	1,583.35	174.50	6,345.17
Berwyn, R. A. P.	1,590.50	.....	9,423.40	.....	5,488.00	105.00	16,606.90
Bonnyville, K. H. P.	3,425.35	7,455.20	5,270.00	.....	.....	633.75	16,784.30
Bonnyville, St. Louis	3,858.75	.....	26,903.00	2,208.38	.....	360.00	33,330.13
Brooks, Municipal	2,667.15	.....	14,431.00	.....	15,837.00	2,313.88	35,249.03
Calgary, General	53,837.10	.....	377,671.98	.....	.....	2,909.22	434,418.30
Calgary, Isolation	2,169.00	.....	1,441.15	.....	.....	.....	3,610.15
Calgary, Holy Cross	45,817.20	3,200.00	455,432.69	5,000.00	.....	8,741.72	518,191.61
Calgary, Junior Red Cross	21,874.95	750.00	.....	18,532.10	.....	10,672.93	51,829.98
Calgary, Salvation Army Grace	5,269.05	750.00	17,458.50	2,212.50	.....	29.32	25,719.37
Camrose, St. Mary's	7,527.15	.....	56,549.30	13,900.00	.....	.....	77,976.45
Canmore, Canmore	1,213.40	528.29	7,125.25	.....	.....	.....	8,866.94
Cardston, Municipal	4,117.95	.....	12,647.49	.....	23,159.05	917.56	40,842.05
Carmangay, Little Bow Municipal	1,031.85	.....	5,585.48	.....	6,711.26	136.32	13,464.91
Castor, Our Lady of the Rosary	2,105.10	2,215.35	10,694.59	6,676.83	.....	166.96	21,858.83
Cereal, Esler	2,105.40	.....	2,923.07	.....	1,521.50	.....	6,549.97
Claresholm, Municipal	4,634.10	.....	18,336.20	90.00	16,029.09	2,138.95	41,228.34
Cold Lake, John Neil	1,513.40	.....	1,523.40	9.00	.....	5,770.97	8,816.77
Coleman, Miner's Union	838.80	.....	3,154.47	840.00	.....	9,744.00	14,577.27
Consort, Municipal	1,737.90	.....	5,254.85	.....	10,428.89	392.56	17,714.20
Coronation, General	3,780.65	.....	7,741.71	.....	9,341.00	913.50	21,776.86
Desmarais, St. Martin's	247.35	2,009.25	.....	.....	.....	.....	2,256.60
Didsbury, Municipal	1,212.75	.....	6,113.35	.....	17,053.00	169.79	24,548.89
Drumheller, Municipal	8,969.40	.....	45,203.28	54.00	45,597.00	4,872.60	104,696.28
Eckville, Municipal	4,975.70	.....	7,311.40	922.59	12,160.00	1,450.50	26,820.19
Edmonton, Beulah Rescue Home	4,906.20	900.00	4,363.29	1,318.45	.....	7,044.87	18,532.81
Edmonton, General	182,253.93	18,934.90	231,327.88	22,220.01	.....	34,136.20	488,872.92
Edmonton, Misericordia	88,973.25	.....	223,069.86	.....	.....	.....	312,043.11
Edmonton, Royal Alexandra	68,356.75	.....	669,215.49	.....	.....	10,863.32	748,435.56
Edmonton, University of Alberta	62,255.30	66,842.40	877,304.96	.....	.....	188.41	1,006,591.67
Edson, St. John's	3,327.75	.....	24,007.72	2,500.00	.....	.....	29,835.47
Elk Point, Municipal	6,073.20	.....	18,852.85	325.00	12,394.24	1,560.29	39,205.58
Empress, Cottage	2,731.50	.....	18,566.42	734.37	.....	55.50	22,087.79
Fairview, Community	2,106.00	.....	11,308.70	.....	5,000.00	158.00	18,572.70
Ft. McMurray, St. Gabriel's	1,399.35	.....	10,372.00	6.840.00	.....	.....	18,611.95
Ft. Smith, General	.....	.....	No Report			No Report	
Ft. Vermilion, General	1,230.65	.....	2,174.25	1,903.16	.....	.....	5,308.06
Galahad, St. Joseph's	2,776.50	2,238.60	1,838.75	5,000.00	.....	.....	11,853.85
Grande Prairie, Municipal	6,904.25	.....	26,935.51	54.00	22,467.00	3,468.15	59,828.91

Grimshaw, Battle River	2,259.65	.....	3,582.09	3,212.00	.....	140.95	9,194.69
Hanna, Municipal	4,459.35	.....	19,311.54	.....	21,004.49	2,191.18	46,966.56
Hardisty, St. Anne's	2,118.60	.....	17,399.67	4,433.21	.....	1,281.75	25,233.23
High Prairie, Providence	9,534.00	6,472.85	47,344.63	13,514.50	.....	5,048.96	81,914.94
High River, Municipal	6,658.65	.....	22,579.50	.....	21,670.00	6,216.95	57,125.10
Innisfail, Municipal	4,321.80	.....	14,553.04	.....	15,229.00	1,575.95	35,679.79
Islay, Municipal	2,361.25	.....	3,692.25	.....	10,109.44	194.00	16,356.94
Jasper, Seton	1,360.80	2,500.00	11,708.03	6,899.15	.....	.....	22,468.98
Killam, General	1,896.10	.....	11,410.30	11,866.03	.....	.....	25,172.43
Lacombe and District Community	12,161.10	.....	22,213.61	245.01	.....	.....	34,619.72
Lac La Biche, St. Catherine's	7,001.00	558.00	10,841.00	7,253.75	.....	.....	25,653.75
Lamont, Public	9,438.30	3,156.25	74,988.03	408.03	.....	8,500.93	96,491.54
Lethbridge, Isolation	157.95	.....	527.40	.....	2,528.43	.....	3,213.78
Lethbridge, St. Michael's	14,816.70	.....	154,420.19	13,234.00	.....	2,884.84	185,355.73
Lethbridge, Galt	14,893.30	13,000.00	109,607.12	25.00	.....	1,767.39	139,292.81
Lloydminster, Municipal	4,324.50	3,989.50	50,085.20	.....	.....	1,007.25	59,406.45
Macleod, General	1,314.90	.....	19,247.95	.....	.....	362.50	20,925.35
Magrath, Municipal	927.45	.....	5,365.47	653.40	10,700.00	598.55	18,244.87
Mannville, Municipal	2,534.40	.....	8,475.85	.....	8,276.52	629.44	19,916.21
Medicine Hat, General	17,882.30	9,000.00	120,666.81	102.00	.....	2,715.32	150,366.43
Medicine Hat, Isolation	39.15	1,339.07	230.47	.....	.....	.....	1,608.69
Mundare, General	1,836.90	.....	11,015.00	6,068.20	1,771.75	.....	20,691.85
McLennan, Sacred Heart	7,955.55	1,377.05	18,909.09	6,579.78	.....	5,172.32	39,993.79
Myrnam, Municipal	2,086.65	.....	8,735.70	.....	10,615.11	475.00	21,912.46
Nordegg, General	1,054.40	.....	242.50	.....	.....	10,692.60	11,989.50
Olds, Municipal	6,166.10	724.95	12,412.38	.....	14,000.00	1,979.45	35,282.88
Peace River, Municipal	4,119.75	.....	20,053.39	40.00	14,262.65	692.55	39,168.34
Pincher Creek, St. Vincent's	4,687.15	.....	19,823.20	7,747.80	.....	.....	32,258.15
Provost, Municipal	2,340.90	.....	9,800.15	.....	15,534.03	295.00	27,970.08
Radway, St. Joseph's	2,351.70	.....	13,966.42	7,520.00	.....	.....	23,838.12
Raymond, Municipal	3,351.30	.....	6,361.11	.....	12,600.00	95.00	22,407.41
Red Deer, Municipal	9,361.35	221.20	51,214.10	.....	1,917.31	14,442.27	77,156.23
Rimbey, St. Paul's	4,847.50	.....	15,798.09	6,066.74	.....	.....	26,712.33
Rocky Mountain House	2,450.25	.....	13,845.54	2,820.60	.....	193.60	19,309.99
Smoky Lake, George McDougall	4,150.50	3,456.24	8,554.09	.....	.....	16,247.85	32,408.68
Spirit River, Holy Cross	1,596.60	.....	14,343.40	5,962.50	.....	.....	21,902.50
St. Paul, St. Theresa	4,671.45	13,207.10	19,540.17	9,626.00	.....	185.00	47,229.72
Stettler, Municipal	5,179.05	.....	18,833.39	.....	18,735.50	1,622.14	44,370.08
Taber, Municipal	4,056.75	.....	24,711.70	429.80	14,061.75	466.00	43,726.00
Trochu, St. Mary's	2,251.80	.....	16,718.43	3,332.35	.....	34.65	22,337.23
Turner Valley, Oilfields General	2,324.70	.....	15,586.60	.....	.....	125.00	18,036.30
Vegreville, General	7,967.70	7,163.30	53,836.20	599.55	.....	64.00	69,630.75
Vermilion, Municipal	4,272.75	.....	13,782.10	.....	11,925.70	1,167.06	31,147.61
Viking, Municipal	2,158.65	.....	7,024.05	.....	10,701.05	1,197.86	21,081.61
Vilna, Our Lady's	756.00	100.00	5,870.21	5,430.60	.....	963.27	13,120.08
Vulcan, Municipal	2,259.90	.....	7,489.55	150.00	18,752.66	716.93	29,369.04
Wainwright, Municipal	3,214.35	.....	13,641.81	.....	11,792.41	944.90	29,593.47
Wayne, General	2,890.50	.....	5,449.22	6,515.50	.....	124.58	15,029.80
Westlock, Immaculata	11,858.55	.....	32,800.00	10,727.12	.....	25.63	55,411.30
Wetaskiwin, Community	6,045.30	.....	41,938.87	.....	.....	.....	47,984.17
Willingdon, General	3,177.90	.....	23,435.24	6,200.00	.....	134.93	32,948.07
Total	$ 880,062.33	$ 175,615.20	$4,688,732.56	$ 247,973.97	$ 477,945.23	$ 239,756.37	$6,710,085.66

TABLE No. 8

Hospitals	Operating Cost Per Patient Per Day Exclusive of Capital and Reserve	Percentage of Cost					Revenue per Patient per Day
		Administration %	Professional Care %	Kitchen and Dining Room %	House and Property %	Maintenance %	
Athabasca, Municipal	$ 3.68	15.6	36.8	23.1	22.1	2.4	$ 3.87
Banff, Mineral Springs	5.53	7.3	47.3	2.63	15.6	3.5	6.76
Barrhead, St. Joseph's	4.61	3.7	41.1	14.6	12.6	28.0	5.08
Bassano, Municipal	4.02	9.9	41.1	19.3	21.3	8.4	5.16
Beaverlodge, Municipal	4.25	9.2	36.3	20.8	19.1	14.6	4.68
Bentley, Community	4.41	9.4	56.7	17.3	11.7	4.9	4.89
Berwyn, R. A. P.	5.05	7.9	44.1	20.8	21.2	6.0	4.96
Bonnyville, K. H. P.	4.94	3.8	38.4	19.8	24.4	13.6	4.62
Bonnyville, St. Louis	2.30	4.3	28.0	25.7	26.4	15.6	3.88
Brooks Municipal	4.25	8.0	44.2	25.4	16.9	5.5	5.63
Calgary, General	4.21	10.7	3.64	23.7	15.9	13.3	3.63
Calgary, Isolation	4.77	7.4	39.3	31.5	9.8	12.0	.71
Calgary, Holy Cross	4.41	12.4	38.4	27.1	15.1	7.0	5.06
Calgary, Junior Red Cross	3.12	3.5	50.8	25.8	16.9	3.0	2.60
Calgary, Salvation Army Grace	2.78	12.3	35.7	26.0	13.6	12.4	2.20
Camrose, St. Mary's	5.40	30.2	41.1	12.5	12.2	4.0	4.59
Canmore, Canmore	7.04	13.0	44.4	27.4	4.6	10.6	3.26
Cardston, Municipal	4.17	7.5	43.1	22.6	16.6	10.2	4.45
Carmangay, Little Bow Municipal	4.88	12.3	44.9	19.2	18.9	4.7	5.68
Castor, Our Lady of the Rosary	4.73	2.9	39.6	14.7	15.7	27.1	4.58
Cereal Esler	3.84	7.2	41.6	35.4	6.6	9.2	3.33
Claresholm, Municipal	3.70	6.8	47.7	26.1	15.3	4.1	3.96
Cold Lake, John Neil	5.40	1.5	40.9	23.1	27.5	7.0	5.20
Coleman, Miner's Union	4.74	4.8	45.7	24.4	19.1	6.0	4.93
Consort, Municipal	3.84	7.3	37.9	28.4	20.9	5.5	4.19
Coronation, General	4.28	8.3	41.2	24.0	17.4	9.1	4.43
Desmarais, St. Marton's	1.65	.5	42.6	18.5	32.0	6.4	.84
Didsbury, Municipal	6.26	10.2	39.7	18.6	17.9	13.6	9.02
Drumheller, Municipal	4.60	10.8	39.9	20.7	22.2	6.4	5.14
Eckville, Municipal	3.89	8.6	39.0	24.6	22.0	5.8	4.68
Edmonton, Beulah Rescue Home	4.37	20.5	27.2	23.4	17.2	11.7	4.30
Edmonton, General	3.73	9.4	36.7	28.4	16.4	9.1	4.39
Edmonton, Misericordia	4.44	7.8	40.9	19.6	22.9	8.8	4.04
Edmonton, Royal Alexandra	4.50	11.9	40.0	19.9	20.4	7.8	4.43
Edmonton, University of Alberta	5.00	10.0	43.5	22.9	12.6	11.0	5.80
Edson, St. John's	3.49	9.6	34.1	26.8	23.8	5.7	3.90
Elk Point, Municipal	2.76	4.9	38.5	22.8	20.4	13.4	2.80
Empress, Cottage	3.18	9.9	44.7	29.6	12.3	3.5	3.63
Fairview, Community	3.48	4.9	41.1	27.3	21.2	5.5	3.97
Ft. McMurray, St. Gabriel's	6.39	5.4	24.8	27.2	30.0	12.6	5.58
Ft. Smith, General			No Report			No Report	
Ft. Vermilion, St. Theresa	3.40	.8	43.6	25.0	24.3	6.3	4.15
Galahad, St. Joseph's	2.85	3.2	38.7	32.8	18.0	7.3	1.90

Grande Prairie, Municipal	3.15	10.4	47.1	21.0	15.9	5.6	3.84
Grimshay, Battle River	4.18	1.4	42.4	32.0	20.7	3.5	3.79
Hanna, Municipal	4.50	10.2	43.4	22.1	19.8	4.5	4.40
Hardisty, St. Anne's	4.08	3.4	48.9	26.1	12.5	9.1	6.17
High Prairie, Providence	3.34	4.5	39.5	22.3	25.8	7.9	5.58
High River, Municipal	3.98	6.8	42.4	25.4	20.2	5.2	4.14
Innisfail, Municipal	3.42	8.7	50.0	20.5	17.8	3.0	3.62
Islay, Municipal	3.72	10.1	41.2	21.1	23.4	4.2	3.95
Jasper, Seton	8.12	9.2	42.0	22.8	23.0	3.0	10.07
Killam, General	5.77	3.1	34.2	20.5	13.2	29.0	6.13
Lacombe and District Community	3.17	9.9	40.4	19.6	29.6	.5	3.22
Lac La Biche, St. Catherine's	2.90	9.1	36.5	15.3	23.5	15.6	3.96
Lamont, Public	4.02	11.3	27.8	23.9	25.9	11.1	4.55
Lethbridge, Isolation	9.15	14.9	43.9	11.1	7.2	22.9	9.15
Lethbridge, St. Michael's	4.64	13.1	39.8	25.2	18.8	3.1	5.24
Lethbridge, Galt	3.92	10.3	34.0	31.6	18.6	5.5	3.98
Lloydminster, Municipal	3.06	7.8	42.0	30.4	16.5	3.3	3.10
Macleod, General	.....	5.8	43.4	34.4	12.1	4.3	.....
Magrath, Municipal	7.28	7.2	46.5	21.3	20.6	4.4	8.13
Mannville, Municipal	3.39	7.4	43.2	23.8	22.0	3.6	3.53
Medicine Hat, General	3.64	10.3	36.8	28.3	18.5	6.1	3.56
Medicine Hat, Isolation	18.70	.6	56.9	27.8	6.8	7.9	18.70
Mundare, General	3.61	9.2	32.6	25.5	27.2	5.5	5.06
McLennan, Sacred Heart	3.23	10.1	17.3	29.4	30.6	12.6	3.91
Myrnam, Municipal	5.60	6.6	56.4	18.5	12.8	5.7	5.71
Nordegg, General	4.55	2.7	42.0	40.7	7.5	7.1	4.30
Olds, Municipal	4.36	6.6	35.0	29.7	20.5	8.2	5.29
Peace River, Municipal	4.01	7.4	42.5	23.1	16.9	10.1	4.25
Pincher Creek, St. Vincent's	4.71	2.6	32.1	22.2	25.5	17.6	4.71
Provost, Municipal	4.15	9.1	39.8	23.8	17.6	9.7	5.10
Radway, St. Joseph's	4.62	8.4	36.9	24.8	23.3	6.6	4.54
Raymond, Municipal	5.41	10.6	40.7	21.4	25.1	2.2	6.70
Red Deer, Municipal	2.99	7.5	43.7	20.3	19.6	8.9	3.70
Rimbey, St. Paul's	3.98	15.0	36.1	19.5	22.3	7.1	4.93
Rocky Mountain House	3.36	2.9	38.2	32.5	17.8	8.6	3.72
Smoky Lake, George McDougall	6.60	13.0	46.3	10.9	21.7	8.1	8.10
Spirit River, Holy Cross	5.27	9.7	35.1	22.7	17.1	15.4	6.17
St. Paul, St. Theresa	3.41	10.1	32.6	25.5	18.7	13.1	3.62
Stettler, Municipal	3.21	13.4	42.2	20.9	15.8	7.7	3.50
Taber, Municipal	4.08	5.7	48.0	23.9	18.8	3.6	4.85
Trochu, St. Mary's	3.69	3.8	46.0	19.7	22.9	7.6	4.46
Turner Valley, Oilfields General	3.45	2.8	44.8	36.6	9.8	6.0	3.55
Vegreville, General	2.55	6.1	43.5	21.0	20.5	8.9	3.81
Vermilion, Municipal	2.87	8.5	40.6	24.6	20.3	6.0	3.28
Viking, Municipal	4.02	12.4	49.6	20.1	12.4	5.5	3.88
Vilna, Our Lady's	6.29	12.8	40.8	23.1	18.1	5.2	6.46
Vulcan, Municipal	3.77	9.4	40.6	24.1	16.9	9.0	5.02
Wainwright, Municipal	3.78	9.9	39.8	27.5	10.4	12.4	4.10
Wayne, General	4.13	9.6	44.7	22.8	21.2	1.7	3.27
Westlock, Immaculata	3.81	7.2	42.2	21.8	20.2	8.6	4.50
Wetaskiwin, Community	3.38	6.1	49.6	22.8	16.6	4.9	3.57
Willingdon, General	2.84	5.3	38.2	28.0	20.4	7.2	4.63
Total	$ 4.18	9.9	40.1	23.7	17.7	8.6	4.48

Division of Social Hygiene

(HAROLD ORR, O.B.E., M.D., D.P.H., F.R.C.P. (C), F.A.C.P. *Director*)

I have the honour to submit the twenty-sixth annual report of the Division of Social Hygiene for the year ending December 31st, 1945.

The work of the Division has been continued at the same high pitch that was attained during the war years. Indeed the work of the staff has been extended to the utmost in our effort to control the upsurge of syphilis consequent upon the ending of the war. The syphilis rate has increased all over the world as a result of the movement and demobilization of masses of troops, and the relaxing of discipline which always occurs at the end of a war. This condition will probably continue for a year and then taper off.

During the year the new drug penicillin was added to our list of drugs for free distribution for the treatment of gonorrhoea. The therapeutic efficacy of this drug in syphilis has not yet been fully evaluated and it is therefore not being used routinely in the treatment of that disease. We are using it, however, in special instances where the time element is important.

On July 1st premarital blood testing for syphilis was made compulsory under an amendment to the Solemnization of Marriage Act. The test does not in any way interfere with marriage; it is intended only to detect unsuspected syphilis among the 16,000 persons who enter the marital state annually in Alberta. The known enemy can be dealt with and the birth of syphilitic babies thus prevented. Alberta is the first province in Canada to apply this law.

A systematic serologic survey was gotten under way in the northern part of the Province. This should be completed during the first half of next year and it is planned to establish a treatment centre at a convenient point in the vicinity of the Lesser Slave Lake at which those found to be syphilitic may be treated by the intensive penicillin method.

I must again express my appreciation of the staff for their loyalty and for their unstinting donation of extra time on numerous occasions.

The following statistical report indicates the work of the Division during the year:

ALLEGED CONTACTS AND SOURCES OF VENEREAL INFECTIONS

For the Period January 1st, 1945—December 31st, 1945

Location of Sources or Contacts	Number of Sources of Infection Reported	Number of Sources of Infection Located	Percentage of Sources of Infection Located
Edmonton	559	458	82%
Calgary	315	244	77%
Lethbridge	43	28	65%
Medicine Hat	23	12	52%
Rest of Province	318	251	79%
Alberta Totals Only	1,257	993	79%
Other Provinces in Canada	78	35	45%
U.S.A.	4	1	25%
Overseas	4	....	....
Total	1,343	1,029	77%

Unit Forwarding Information	Number of Sources of Infection Reported	Sources of Number of Infection Located	Sources of Infection Located Percentage
Army and R.C.N.V.R.	302	233	77%
R.C.A.F.	187	156	83%
U.S. Forces	148	124	84%
Private Doctors and Clinics	622	477	77%
Other Provinces in Canada (Undesignated)	84	39	46%
	1,343	1,029	77%
Inadequate information on cases in Alberta	....	314	....
	....	1,343	....

Note: This table is based on the total number of sources of infection reported, not merely those in which the data might be regarded as adequate.

PROVINCIAL CLINIC, EDMONTON—Provincial Building, 10048 101A Avenue

Total number of new cases of venereal disease classified as to sex and age of patient.

	Under 1 yr.		1-4 yrs.		5-14 yrs.		15-19 yrs.		20 yrs. & over		Age not stated		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals
Gonorrhoea (all forms)	....	....	....	....	....	4	31	58	209	130	....	....	432
Syphilis (congenital)	....	....	....	....	....	1	....	....	....	....	....	....	1
Acquired—Primary	....	....	....	....	....	....	3	....	7	8	1	....	19
Acquired—Secondary	....	....	....	....	....	....	....	1	....	4	....	....	5
Acquired—Latent	....	....	....	....	....	....	....	....	32	13	....	....	45
Acquired—Tertiary (Cardiovascular)	....	....	....	....	....	....	....	....	1	1	....	....	2
Acquired—Tertiary (Neurosyphilis)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (other)	....	....	....	....	....	....	....	....	....	....	....	....	....
Type Undetermined	....	....	....	....	....	....	....	....	....	....	....	....	....
Totals	....	....	....	....	....	5	34	59	249	156	1	....	504

Number of cases of syphilis: Male 44, Female 28 72
Number of cases of gonorrhoea: Male 240, Female 192 732

Number and results of Kahn and Wassermann tests: 2,833 of which 564 were positive.
Number and results of Cerebrospinal Fluid tests: 68 of which 7 were positive.
Number and results of Bacteriological tests for gonococci: 9,481 of which 836 were positive.

PROVINCIAL CLINIC, CALGARY—713 3rd Street East, Calgary

Total number of new cases of venereal disease classified as to sex and age of patient.

	Under 1 yr.		1-4 yrs.		5-14 yrs.		15-19 yrs.		20 yrs. & over		Age not stated		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals
Gonorrhoea (all forms)	....	....	....	....	....	....	12	53	202	126	....	....	393
Syphilis (congenital)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Primary	....	....	....	....	....	....	....	1	13	4	....	....	18
Acquired—Secondary	....	....	....	....	....	....	....	....	3	5	....	....	8
Acquired—Latent	....	....	....	....	....	....	....	1	22	3	....	....	26
Acquired—Tertiary (Cardiovascular)	....	....	....	....	....	....	....	....	3	....	....	....	3
Acquired—Tertiary (Neurosyphilis)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (other)	....	....	....	....	....	....	....	....	....	....	....	....	....
Type Undetermined	....	....	....	....	....	....	....	....	....	....	....	....	....
Totals	....	....	....	....	....	....	12	55	243	138	....	....	448

Number of cases of syphilis: Male 41, Female 14 55
Number of cases of gonorrhoea: Male 214, Female 179 393

Number and results of Kahn and Wassermann tests: 1,957 of which 496 were positive.
Number and results of Cerebrospinal Fluid tests: 37 of which 4 were positive.
Number and results of Bacteriological tests for gonococci: 6,546 of which 662 were positive.

PROVINCIAL CLINIC, MEDICINE HAT—Medicine Hat General Hospital, Medicine Hat

Total number of new cases of venereal disease classified as to sex and age of patient.

	Under 1 yr.		1-4 yrs.		5-14 yrs.		15-19 yrs.		20 yrs. & over		Age not stated		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals
Gonorrhoea (all forms)	....	....	....	....	....	....	....	3	2	7	....	....	12
Syphilis (congenital)	....	....	2	....	....	....	....	....	....	....	....	....	2
Acquired—Primary	....	....	....	....	....	....	....	1	....	....	....	....	1
Acquired—Secondary	....	....	....	....	....	....	1	....	....	....	....	....	1
Acquired—Latent	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Neurosyphilis)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Cardiovascular)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (other)	....	....	....	....	....	....	....	....	....	1	....	....	1
Type Undetermined	....	....	....	....	....	....	....	....	....	....	....	....	....
Totals	....	....	2	....	....	....	1	4	2	8	....	....	17

Number of cases of syphilis: Male 3, Female 2 5
Number of cases of gonorrhoea: Male 2, Female 10 12

Number and results of Kahn and Wassermann tests: 120 of which 65 were positive.
Number and results of Cerebrospinal Fluid tests: 2 of which 0 were positive.
Number and results of Bacteriological tests for gonococci: 108 of which 18 were positive.

PROVINCIAL CLINIC, LETHBRIDGE—Galt Hospital, Lethbridge

Total number of new cases of venereal disease classified as to sex and age of patient.

	Under 1 yr.		1-4 yrs.		5-14 yrs.		15-19 yrs.		20 yrs. & over		Age not stated		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals
Gonorrhoea (all forms)	....	....	....	....	....	....	....	....	3	....	....	....	3
Syphilis (congenital)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Primary	....	....	....	....	....	....	....	....	1	....	....	....	1
Acquired—Secondary	....	....	....	....	....	....	....	1	....	....	....	....	1
Acquired—Latent	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Cardiovascular)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Neurosyphilis)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (other)	....	....	....	....	....	....	....	....	1	....	....	....	1
Type Undetermined	....	....	....	....	....	....	....	....	3	1	....	....	4
Totals	....	....	....	....	....	....	....	1	8	1	....	....	10

Number of cases of syphilis: Male 5, Female 2 7
Number of cases of gonorrhoea: Male 3, Female 0 3

Number and results of Kahn and Wassermann tests: 57 of which 28 were positive.
Number and results of Cerebrospinal Fluid tests: 5 of which 1 was positive.
Number and results of Bacteriological tests for gonococci: 19 of which 4 were positive.

PROVINCIAL GAOL—Fort Saskatchewan, Alberta

Total number of new cases of venereal disease classified as to sex and age of patient.

	Under 1 yr.		1-4 yrs.		5-14 yrs.		15-19 yrs.		20 yrs. & over		Age not stated		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals
Gonorrhoea (all forms)	....	....	....	....	....	....	1	8	8	23	....	....	40
Syphilis (congenital)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Primary	....	....	....	....	....	....	....	....	....	2	....	....	2
Acquired—Secondary	....	....	....	....	....	....	....	....	....	1	....	....	1
Acquired—Latent	....	....	....	....	....	....	....	....	9	2	....	....	11
Acquired—Tertiary (Cardiovascular)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Neurosyphilis)	....	....	....	....	....	....	....	....	1	....	....	....	1
Acquired—Tertiary (other)	....	....	....	....	....	....	....	....	....	....	....	....	....
Type Undetermined	....	....	....	....	....	....	....	....	....	1	1	....	2
Totals	....	....	....	....	....	....	1	8	18	29	1	....	57

Number of cases of syphilis: Male 11, Female 6 17
Number of cases of gonorrhoea: Male 9, Female 31 40

Number and results of Kahn and Wassermann tests: 921 of which 91 were positive.
Number and results of Cerebrospinal Fluid tests: 1 of which 0 were positive.
Number and results of Bacteriological tests for gonococci: 2,357 of which 185 were positive.

PROVINCIAL GAOL—Lethbridge, Alberta

Total number of new cases of venereal disease classified as to sex and age of patient.

	Under 1 yr.		1-4 yrs.		5-14 yrs.		15-19 yrs.		20 yrs. & over		Age not stated		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals
Gonorrhoea (all forms)	....	....	....	....	....	....	....	....	10	....	....	....	10
Syphilis (congenital)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Primary	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Secondary	....	....	....	....	....	....	....	....	3	....	....	....	3
Acquired—Latent	....	....	....	....	....	....	....	....	2	....	....	....	2
Acquired—Tertiary (Cardiovascular)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Neurosyphilis)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (other)	....	....	....	....	....	....	....	....	1	....	....	....	1
Type Undetermined	....	....	....	....	....	....	1	....	8	....	....	....	9
Totals	....	....	....	....	....	....	1	....	24	....	....	....	25

Number of cases of syphilis: Male 15
Number of cases of gonorrhoea: Male 10 10
Number of prisoners examined 709

Number of Kahns and Wassermanns with results: 687 of which 53 were positive.

GROUARD CLINIC—Grouard, Alberta

Total number of new cases of venereal disease classified as to sex and age of patient.

	Under 1 yr.		1-4 yrs.		5-14 yrs.		15-19 yrs.		20 yrs. & over		Age not stated		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals
Gonorrhoea (all forms)	....	....	....	....	....	....	1	3	7	6	....	....	17
Syphilis (congenital)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Primary	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Secondary	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Latent	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Cardiovascular)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Neurosyphilis)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (other)	....	....	....	....	....	....	....	....	....	....	....	....	....
Type Undetermined	....	....	....	....	....	....	....	....	1	4	1	....	6
Totals	....	....	....	....	....	....	1	3	8	10	1	....	23

Total number of cases of syphilis: Male 2, Female 4 6
Total number of cases of gonorrhoea: Male 8, Female 9 17

Number of Kahn and Wassermann tests with results: 67 of which 13 were positive.
Number of Cerebrospinal Fluid tests with results: 16 of which 3 were positive.
umber of Bacteriological tests for gonococci with results: 54 of which 15 were positive.

HIGH PRAIRIE CLINIC—High Prairie, Alberta

Total number of new cases of venereal disease classified as to sex and age of patient.

	Under 1 yr.		1-4 yrs.		5-14 yrs.		15-19 yrs.		20 yrs. & over		Age not stated		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals
Gonorrhoea (all forms)	1	....	....	2	....	4	6	9	41	22	....	....	85
Syphilis (congenital)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Primary	....	....	....	....	....	....	....	....	2	....	....	....	2
Acquired—Secondary	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Latent	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Cardiovascular)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Neurosyphilis)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (other)	....	....	....	....	....	....	....	....	....	....	....	....	....
Type Undetermined	....	....	....	....	....	....	....	....	....	....	....	....	....
Totals	1	....	....	2	....	4	6	9	43	22	....	....	87

Number of cases of syphilis: Male 2, Female 0 2
Number of cases of gonorrhoea: Male 48, Female 37 85

Number and results of Kahn and Wassermann tests: 221 of which 12 were positive.
Number and results of Cerebrospinal Fluid tests: 22 of which 2 were positive.
Number and results of Bacteriological tests for gonococci: 190 of which 86 were positive.

McLENNAN CLINIC—McLennan, Alberta

Total number of new cases of venereal disease classified as to sex and age of patient.

	Under 1 yr.		1-4 yrs.		5-14 yrs.		15-19 yrs.		20 yrs. & over		Age not stated		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals
Gonorrhoea (all forms)	....	....	....	....	....	....	....	3	5	7	....	1	16
Syphilis (congenital)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Primary	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Secondary	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Latent	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Cardiovascular)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Neurosyphilis)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (other)	....	....	....	....	....	....	....	....	....	....	....	....	....
Type Undetermined	....	....	....	....	....	....	....	....	....	....	....	....	....
Totals	....	....	....	....	....	....	....	3	5	7	....	1	16

Number of cases of syphilis: Male 0, Female 0 0
Number of cases of gonorrhoea: Male 5, Female 11 16

Number and results of Kahn and Wassermann tests: 20 of which 5 were positive.
Number and results of Cerebrospinal Fluid tests: 2 of which 1 was positive.
Number and results of Bacteriological tests for gonococci: 108 of which 36 were positive.

COMBINED REPORTS OF CLINICS ON THE LESSER SLAVE LAKE—SMITH, CANYON CREEK AND KINUSO

Total number of new cases of venereal disease classified as to sex and age of patient.

	Under 1 yr.		1-4 yrs.		5-14 yrs.		15-19 yrs.		20 yrs. & over		Age not stated		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals
Gonorrhoea (all forms)	1	....	....	1	1	1	3	3	9	12	....	....	31
Syphilis (congenital)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Primary	....	....	....	....	....	....	....	....	....	1	....	....	1
Acquired—Secondary	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Latent	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Cardiovascular)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (Neurosyphilis)	....	....	....	....	....	....	....	....	....	....	....	....	....
Acquired—Tertiary (other)	....	....	....	....	....	....	....	1	....	....	....	....	1
Type Undetermined	....	....	....	....	....	....	....	....	4	2	....	....	6
Gonorrhoea (all forms)	1	....	....	1	1	1	3	4	13	15	....	....	39

Number of cases of syphilis: Male 4, Female 4 8
Number of cases of gonorrhoea: Male 14, Female 17 31

Number of Kahns and Wassermann test sand results: 250 of which 33 were positive.
Number of Cerebrospinal Fluid tests and results: 24 of which 6 were positive.
Number of Bacteriological tests for gonococci and results: 174 of which 28 were positive.

PRIVATE PHYSICIANS REPORTING CASES

Total number of new cases of venereal disease classified as to sex and age of patient.

	Under 1 yr.		1-4 yrs.		5-14 yrs.		15-19 yrs.		20 yrs. & over		Age not stated		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Totals
Gonorrhoea (all forms)	2	3	1	4	1	16	13	28	191	82	34	29	404
Syphilis (congenital)	3	....	....	1	1	2	....	....	3	1	....	1	12
Acquired—Primary	....	....	....	....	....	....	....	1	25	10	7	2	45
Acquired—Secondary	....	....	....	....	....	....	....	1	10	10	3	4	28
Acquired—Latent	....	....	....	....	....	....	....	....	50	29	7	1	87
Acquired—Tertiary (Cardiovascular)	....	....	....	....	....	....	....	....	11	3	4	1	19
Acquired—Tertiary (Neurosyphilis)	....	....	....	....	....	....	....	....	18	....	1	1	20
Acquired—Tertiary (other)	....	....	....	....	....	....	....	....	18	9	1	1	29
Type Undetermined	....	....	....	....	....	....	1	3	23	14	12	13	66
Totals	5	3	1	5	2	18	14	33	349	158	69	53	710

Number of cases of syphilis: Male 198, Female 108 306
Number of cases of gonorrhoea: Male 242, Female 162 404

RECAPITULATION

NEW PATIENTS ADMITTED TO THE VARIOUS CLINICS OF THE DIVISION OF SOCIAL HYGIENE IN 1945

Sex	Syphilis	Gonorrhoea	Totals
Males	127	553	680
Females	60	486	546
Totals	187	1,039	1,226

CASES REPORTED BY DOCTORS AND MILITARY AUTHORITIES

	Private Physicians	Armed Forces	Total
Syphilis	306	108	414
Gonorrhoea	404	438	842
Totals	710	546	1,256

Total number of cases of syphilis reported in Alberta 601
Total number of cases of gonorrhoea reported in Alberta 1,881
2,482

Total number of new cases of syphilis reported in Alberta exclusive of armed forces personnel 493
Total number of new cases of gonrrhoea reported in Alberta exclusive of armed forces personnel 1,443
1,936

Sanitary Engineering Division

(D. B. MENZIES, M.Sc., C.E., *Provincial Sanitary Engineer*)

With the end of the war, many of the problems confronting the division during the war years should be readily solved. The return of men from overseas should ultimately mean a resumption of building and the repairing of run down homes, buildings, eating establishments, etc. It is from the standpoint of lack of available labour that most of the division's problems have arisen.

The problem of supplying good milk in ample quantity to smaller communities continues, however, and has every appearance of becoming worse should the two cent Dominion subsidy be taken away from the producer.

The Public Health Act was amended at the 1945 Session of the Legislature to allow a town or village to hold a plebiscite as to whether the milk sold within the limits thereof should or should not be totally pasteurized. While only one town has passed such a by-law to handle the problem, it would appear that the year 1946 will see several such by-laws enacted. By so doing, such municipalities are not only assuring themselves of safe milk, but will in all likelihood be getting better quality milk from a keeping standpoint and also cleaner milk.

During the war years, the tourist trade practically disappeared and many of the Province's auto camps have become badly run down. It would appear that the year 1946 will see many more tourists visiting the Province than for several years, and the division will have to see that the various tourist camps are renovated and put in shape in the near future.

The year 1945 saw a definite revival of interest in municipal sewerage and waterworks schemes. Not a great deal of construction was completed, but many projects are planned for 1946. The year 1945, however, saw two small municipalities, Killam (population 421) and Alliance (population 233) providing sewerage schemes to serve their main streets. In the former case, the scheme was primarily designed to look after the sewage from the hospital, the school and the hotel, all of which buildings have their own water supplies, but local residents may also make connections to the system. The Village of Alliance also laid three or four blocks of water mains and the Village will be largely modernized as soon as plumbing fixtures, pipe, etc. become more readily available. It is encouraging to see the smaller towns and villages becoming interested in such construction.

The following Certificates were issued by the Provincial Board of Health during the year 1945, covering water works, sewerage and hospital construction.

1. Town of Innisfail, Certificate No. 486-45. Proposed Waterworks Construction. Estimated cost, $72,380.00.
2. Town of Innisfail, Certificate No. 487-45. Proposed Sewerage Construction. Estimated cost, $54,925.00.
3. Village of Killam, Certificate No. 488-45. Proposed Sewerage Construction. Estimated cost, $10,000.00.

4. Town of Vegreville, Certificate No. 489-45. Proposed Sewer Extensions. Estimated cost, $3,000.00.
5. City of Calgary, Certificate No. 490-45. Proposed Water and Sewer Connections. Estimated cost, $40,000.00.
6. City of Calgary, Certificate No. 491-45. Proposed Sewer Construction. Estimated cost, $1,680.00.
7. City of Calgary, Certificate No. 492-45. Sewerage Construction. Estimated cost, $5,739.30.
8. Village of Alliance, Certificate No. 493-45. Sewerage Construction. Estimated cost, $13,213.45.
9. City of Calgary, Certificate No. 494-45. Sewerage Construction. Estimated cost, $1,516.90.
10. City of Edmonton, Certificate No. 495-45. Sewerage Construction. Estimated cost $32,941.00.
11. Brazeau Collieries, Certificate No. 496-45. Waterworks Extension.
12. McLeod River Hard Coal Co. (1941) Ltd., Certificate No. 497-45. Waterworks System.
13. Town of Grande Prairie, Certificate No. 498-45. Addition to Waterworks System. Estimated cost $70,000.00.
14. Mayerthorpe Municipal Hospital, Certificate No. 499-45. New Hospital. Estimated cost $50,000.00.
15. Veterans Land Act, Certificate No. 500-45. Waterworks and Sewerage Construction on Martin Estate, Edmonton.
16. Town of Raymond, Certificate No. 501-45. Waterworks Renewals. Estimated cost, $103,000.00.
17. Town of Raymond, Certificate No. 502-45. Proposed Sewerage System. Estimated cost, $101,255.00.
18. City of Calgary, Certificate No. 503-45. Proposed Sewerage Construction. Estimated cost, $16,927.00.
19. Town of Morinville, Certificate No. 504-45. Proposed Sewerage Scheme. Estimated cost, $15,000.00.
20. City of Edmonton, Certificate No. 505-45. Sewerage Extensions. Estimated cost, $29,556.00.
21. Town of Claresholm, Certificate No. 506-45. Sewerage Extension. Estimated cost $12,345.00.
22. City of Lethbridge, Certificate No. 507-45. Water Main Replacements. Estimated cost, $100,000.00.
23. City of Lethbridge, Certificate No. 508-45. Lateral Sewer Construction. Estimated cost, $9,737.00.
24. City of Calgary, Certificate No. 509-45. Sewerage Extensions. Estimated cost, $21,400.00.
25. Town of Olds, Certificate No. 510-45. Waterworks System. Estimated cost, $114,168.00.
26. Town of Olds, Certificate No. 511-45. Sewerage System. Estimated cost, $78,920.00.
27. Town of Three Hills, Certificate No. 512-45. Proposed Waterworks System. Estimated cost, $120,000.00.
28. Town of Three Hills, Certificate No. 513-45. Proposed Sewerage System. Estimated cost, $58,600.00.
29. Village of Turner Valley, Certificate No. 514-45. Proposed Waterworks System. Estimated cost, $23,520.00.
30. Veterans' Land Act, Certificate No. 515-45. Proposed Waterworks System at Bowness.
31. Veterans' Land Act, Certificate No. 516-45. Proposed Waterworks System and Sewerage Construction at Red Deer.
32. Town of Ponoka, Certificate No. 517-45. Proposed Waterworks System. Estimated cost, $66,000.00.
33. Town of Ponoka, Certificate No. 518-45. Proposed Sewerage System. Estimated cost, $106,000.00.
34. Town of Didsbury, Certificate No. 521-45. Proposed Waterworks Construction. Estimated cost, $43,910.00.
35. Town of Didsbury, Certificate No. 522-45. Proposed Sewerage System. Estimated cost, $50,345.00.

During the year the reports of 1,397 bacteriological analyses, 643 chemical analyses, 55 milk analyses and 17 ice analyses reached the Division. In the case of contaminated waters, the persons concerned were advised as to the procedure to follow in order to restore the quality of the water to a safe condition.

The Sanitary Inspector of the Division during the year investigated 95 complaints and requests, over and above a number of routine inspections carried out throughout the Province. During the year 51 lumber and industrial camp inspections were made.

Plumbing fixtures installed throughout the Province during the year under the inspection of either the Local or Provincial Boards of Health have been as follows: Water Closets 5,552, Lavatory Basins 5,017, Laundry Tubs 188, Baths and Showers 4,075, Sinks 4,944, Miscellaneous Fixtures 575. As a result of the above plumbing installations, 382 outside closets were eliminated.

Cancer Services

(E. L. Pope, M.D., *Director, Cancer Diagnostic Clinic*)

I have the honour to submit the annual report of the Cancer Diagnostic Clinics for the year 1945.

Number of patients examined:

	New	Follow-up	Total
Edmonton	1,192	1,098	2,290
Calgary	602	440	1,042
Totals	1,794	1,538	3,332

It will be noted that the total number of new cases is 1,794 compared with 1,726 in 1944, 1,670 in 1943, 1,186 in 1942 and 1,142 in 1941.

Of these new cases, 694 were found to be non-malignant and therefore did not require treatment under the Cancer Clinic.

A summary of the anatomical distribution of the cancerous lesions in order of frequency is attached herewith, 1,100 in number.

The total number of surgical operations authorized for 1945 was as follows:

Edmonton	546
Calgary	240
	786

Total number of cases referred to hospitals:

Edmonton	522
Calgary	21
	543

Total number of cases referred by the Clinics for X-ray therapy:

Edmonton	512
Calgary	253
	765

Total number of cases referred for X-ray examinations:

Edmonton	484
Calgary	255
	739

Total number of cases referred to Dr. H. Orr, Edmonton, for biopsies and treatments, 135.

Total number of cases referred to Dr. H. Jamieson, Edmonton, for Laboratory examinations (gastric analysis, blood counts, etc.), 112.

Total number of cases referred to Genito-Urinary specialists for examinations, Edmonton, 65.

Total number of miscellaneous examinations and treatments authorized by the Edmonton Cancer Clinic was 65.

Since the opening of the Clinics in 1941, the total number of cases examined, exclusive of re-examinations is 7,518. Of these 4,062 were diagnosed as cancer or 54.03%.

1945 ANATOMICAL DISTRIBUTION OF CANCEROUS LESIONS IN ORDER OF FREQUENCY

EDMONTON		CALGARY	
Skin	127	Breast	129
Breast	58	Skin	91
Lip	51	Cervix	46
Stomach	51	Stomach	38
Cervix	37	Colon	33
Colon	36	Lip	33
Bladder and Kidney	27	Rectum	20
Bone	22	Uterus	16
Uterus	20	Prostate	14
Rectum	19	Bladder	11
Prostate	17	Mouth	9
Brain	17	Throat	9
Mouth	10	Kidney	8
Miscellaneous	9	Hodgkin's	7
Lung	9	Abdomen	6
Pancreas	8	Bone	6
Ovary	8	Ovary	6
Leukemia	8	Leukemia	5
Oesophagus	6	Liver	4
Liver	6	Lungs	4
Parotid	6	Testicles	3
Lymphoma	5	Oesophagus	2
Testicle	5	Groin	2
Hodgkin's	3	Neck	2
Nose	3	Parotid	2
Larynx	3	Penis	2
Gall-bladder	3	Pituitary	2
Penis	3	Antrum	1
Vulva	3	Nasopharynx	1
Thyroid	2	Pancreas	1
Melanoma	2	Vulva	1
Eye	2		
	586		514

Mental Health Division

(RANDELL R. MACLEAN, M.D., *General Medical Superintendent of Provincial Mental Instiutions and Director of Mental Hygiene Clinics*)

Included in the activities of this Branch is the work carried out in connection with the operation of the following Institutions:

Provincial Mental Hospital, Ponoka.

Auxiliary Mental Hospital, Raymond.

Auxiliary Mental Hospital, Claresholm.

Provincial Mental Institute, Edmonton.

Provincial Training School for Mental Defectives, Red Deer.

The programme of Mental Hygiene or Guidance Clinics is carried out in connection with this Department also.

Closely allied to the work of the aforementioned Departments is that of the Eugenics Board and the sterilization programme.

INSTITUTIONAL ACTIVITIES

PROVINCIAL MENTAL HOSPITAL, PONOKA

There were 1,450 patients, 846 males and 604 females, in residence in this Hospital on January 1st, 1945. There were 1,365 patients, 766 males and 599 females, in residence on December 31st, 1945. It will be noticed that there was a reduction in the population by some 85 patients. This reduction was brought about largely by transfers of patients made during the year to the other Provincial Mental Institutions.

Some 570 patients, 325 males, 245 females, were admitted to the Hospital during the year. There were eight fewer admissions than during the previous year. Throughout the years there has been an ever increasing burden upon existing facilities, necessitating the building programme which has been carried out each year.

All forms of modern treatment were carried out with gratifying results, which is indicated by a high discharge rate.

Malaria and penicillin therapy were carried out in the treatment of Neurosyphilitics with satisfactory results.

Psycho-therapy to the extent possible with the number of psychiatrists available was carried out. Hydro-therapy, under the supervision of experienced hydro-therapists, and physio-therapy were given to a large number of patients.

Shock treatment in the form of Electro-Shock and modified Insulin Shock Therapy was used extensively, especially in the case of the former throughout the year. Favourable results were obtained in the most suitable cases.

Occupational Department.

The majority of patients admitted spent some time in the Occupational studios in the course of attempts at their rehabilitation.

Nursing students, and Occupational Internes from the University of Toronto, were given instructions in this Department. This Department also supervised the recreational activities, arranging for such events as musical concerts, mixed card parties, sports activities, and picnics. The patients' Library and the Canteen were also operated in conjunction with this Department.

Social Service Department.

Two Social Workers, one in Calgary and one in Edmonton, carried out this work, which included Guidance Clinic activities in the Cities mentioned, and the making of home visits where indicated.

Surgical Service.

The two Honorary Surgeons performed some 82 surgical operations, following which convalescence in all cases was satisfactory.

X-ray Department.

In addition to all X-rays indicated in emergencies, regular chest X-ray examination of all patients and members of the staff were made. All patients were X-Rayed before given a course of Shock Treatment.

Training School.

Ten nurses were graduated, receiving Certificates in General and Psychiatric nursing. Four Post-Graduates (nurses) received Certificates in psychiatric nursing. Two male Attendants received Certificates. The total number of nurses in training, including those affiliating, was 51. There were other activities in the Training School, consisting of addresses to the nurses, and the providing of short periods of instruction to visiting groups.

The Farm.

Milk, eggs, poultry, turkeys, and other items were provided to the Institution through the medium of the Hospital farm.

Cannery.

Some 2,300 No. 10 cans of fruits and vegetables were processed. A small dehydration plant was constructed, in which considerable quantities of vegetables were dehydrated. The Cannery processed fruit and vegetables for other Provincial Institutions also.

Print Shop, Carpenter Shop, Tailor Shop, Laundry, and Linen Room.

These Departments functioned in their respective capacities in a very satisfactory manner.

Dietary Department.

A good general and balanced diet was provided for the patients with liberal facilities for special diets for those requiring them. The Dietitian assisted in training the nursing students.

Department of the Chief Engineer.

This Department, providing heat, light, and water, functioned with the utmost satisfaction to the Institution as a whole.

Department of Buildings, and Maintenance.

This Department recently transferred to the jurisdiction of the Department of Health took care of the many problems arising

throughout the year. Among its functions, were repairs to buildings, furniture, equipment, and the redecoration of buildings as a whole.

There was a trend towards improvement in the staff situation, except in the case of female nursing staff. The shortage in this latter respect is general throughout the North American Continent.

PROVINCIAL MENTAL INSTITUTE, EDMONTON

There were 1,053 patients, 846 males and 177 females, in the Hospital on January 1st, 1945. There 1,210 patients, 955 males and 214 females, in the Hospital on December 31st, 1945. There was an increase in the population of some 158 patients during the year. Since this Institution was designed for Continued Treatment almost exclusively, only 59 new cases were received, the balance being made up of transfers from other Provincial Institutions, chiefly the Provincial Mental Hospital, Ponoka.

Such forms of treatment as are indicated in an Institution of this character were administered during the year.

Occupational Therapy, Psycho-Therapy, and Shock Treatments.

Occupational Therapy, Psycho-therapy and Shock Treatments were given to various patients throughout the Institution. Recreational activities were carried out on a seasonal basis.

General Health.

The general health of the patients was good. Tuberculosis patients were segregated. Active immunization against Typhoid was carried on throughout the year.

The Farm.

The farm supplied an adequate quantity of milk during the year. Crop conditions were poor for the first time in 14 years, which resulted in the necessity of buying Vegetables.

Accommodation.

To keep up the demands made upon the Institution for accommodation a new Farm Dormitory was completed and opened during the year. The initial number of patients transferred to this new unit from the parent Institution was 106. More space was available for others later.

Training of Attendants.

Lecture courses were given the attendants during the year.

Guidance Clinic and Police Court Work.

The Superintendent made regular visits to Edmonton for the purpose of examining police court cases, many of which were referred to the Institution for a period of observation while on remand. The value of this service to the Police Court authorities has proven inestimatable. The Assistant Superintendent regularly attended the Guidance Clinics held in that City. This service also proved most valuable in the Community.

As in the case of the Provincial Mental Hospital, Ponoka, there was improvement in the male staff situation, but the same difficulties were experienced in connection with obtaining female help.

PROVINCIAL TRAINING SCHOOL FOR MENTAL DEFECTIUES, RED DEER

There were 273 patients, 142 males and 131 females, in residence on January 1st, 1945. There were 269 patients, 143 males and 126 females, in residence on December 31st, 1945. There was a decrease of four in the population, however, the facilities of the Institution were taxed to the limit.

The training programme of the children was carried out to the fullest extent possible.

Recreational Activities.

The patients engaged in seasonal outdoor sports. A goodly number attended the Red Deer Fair, and there were many enjoyable picnics. There was C.G.I.T., Scout, and Club activity.

Occupational Activities.

Vocational classes for boys and girls were conducted. The boys taking carpentry and farm work instruction, and the girls dress-making and fancy-work.

Farm and Gardens.

Milk was provided from the farm herd in approximately sufficient quantities for the Institutional use. The gardens and grounds were well kept. A goodly quantity of variety of vegetables was raised, some of which was processed in the Cannery of the Provincial Mental Hospital at Ponoka.

Laundry and Linen Room.

These Departments functioned satisfactorily despite the increasing demands upon the equipment.

Guidance Clinic and Extra Institutional Activities.

The Superintendent conducted the Guidance Clinics when held in the Health Unit in Red Deer, and also saw cases at the request of the R.C.M.P. A number of out-patients were seen at the Institution, and advice and instructions given to the parents.

Adequate female help in all Departments was not available, in keeping with the experience of all present-day hospitals and institutions.

AUXILIARY MENTAL HOSPITAL, CLARESHOLM

This Institution, designed for the continued care of female patients, had a fixed population of about 100 throughout the year.

No changes of significance took place during that period .

AUXILIARY MENTAL HOSPITAL, RAYMOND

As in the case of the aforementioned Hospital only female cases requiring continued care are accommodated in this Institution, which has a fixed population of about 115.

No significant developments took place during the year.

The general health and welfare of the patients in the Auxiliary Hospitals was very satisfactory.

GUIDANCE CLINICS

These Clinics, designed for examination, diagnosis, and where possible, treatment, were held regularly in Edmonton and Calgary, and somewhat irregularly at Lamont, Red Deer, Stettler, and Rural Edmonton, with occasional examinations elsewhere during the year. There has been increasing demand for the Service of the Clinic personnel, indicating the appreciation of the Service, and the prospects for continued success in this Branch of the Department.

Up to the end of 1945 some 5,500 new cases had been examined since the inception of the Clinics in 1929. Innumerable cases were seen more than once in the process of their treatment, or the periodic guidance to relatives.

Eugenics Board.

During the year the Eugenics Board held six meetings, one of which was at the Provincial Training School, Red Deer. Some 121 cases were presented to the Board for their consideration.

Forty-seven cases, 18 males and 29 females, underwent sterilization operations in accordance with the recommendations during the year.

Appearing hereafter is the tabulated summary in connection with the Institutions and the Guidance Clinic programme for the year 1945.

PROVINCIAL MENTAL HOSPITAL, PONOKA

TABLE No. 1

MOVEMENT OF PATIENT POPULATION DURING 1945

	Male	Female	Total	Male	Female	Total
In residence December 31, 1944				846	604	1450
On leave or otherwise absent				42	14	56
Admissions:						
First Admissions:						
(a) Voluntary	53	48	101			
(b) Certificates	56	37	93			
(c) Warrant	155	78	233			
(d) M.D. Act	5	4	9			
Re-Admissions:						
(a) Voluntary	15	17	32			
(b) Certificates	7	18	25			
(c) Warrant	34	40	74			
(d) M.D. Act	....	3	3			
Transfers	4	13	17			
	—	—	—	329	258	587
				1217	876	2093
Separations:						
Discharges:						
(a) As recovered	41	51	92			
(b) As improved	80	77	157			
(c) As unimproved	34	13	47			
(d) As without psychosis	44	34	78			
Transfers	140	61	201			
Deaths	57	22	79			
	—	—	—	396	258	654
				821	618	1439
On leave or otherwise absent				66	8	74
In residence December 31, 1945				766	599	1365

TABLE No. 2

SHOWING THE PSYCHOSES IN THOSE ADMITTED 1945

	Psychoses	Male	Female	Total
01	Psychoses with syphilitic meningoencephalitis (general paresis)	23	4	27
02	Psychoses with other forms of syphilis of the central nervous system	9	2	11
03	Psychoses with epidemic encephalitis	1	1	2
04	Psychoses with other infectious diseases	....	1	1
05	Alcoholic psychoses:			
	052 Delirium tremens	2	1	3
	054 Acute hallucinosis	....	2	2
	055 Undetermined	1	....	1
06	Psychoses due to drugs or other exogenous poisons	1	1	2
07	Traumatic psychoses	1	....	1
08	Psychoses with cerebral arteriosclerosis	21	8	29
09	Psychoses with other disturbances of circulation	....	1	1
10	Psychoses with convulsive disorders:			
	101 Epileptic deterioration	3	....	3
	102 Epileptic clouded states	5	2	7
11	Senile psychoses:			
	111 Simple deterioration	16	5	21
	112 Presbyophrenic type	1	....	1
	113 Delirious and confused	4	....	4
	115 Paranoid types	1	....	1
	116 Undefined	....	1	1
12	Involutional melancholia	1	....	1
	121 Melancholia	4	5	9
13	Psychoses due to other metabolic, etc. diseases	1	1	2
	131 Pernicious anaemia	....	....	....
14	Psychoses due to new growth	....	....	....
15	Psychoses associated with organic changes of the nervous system	....	....	....
	151 Huntington's Chorea	1	....	1
16	Psychoneuroses:			
	162 Psychasthenia	....	2	2
	163 Neurasthenia	....	2	2
	164 Hypochondriasis	....	1	1
	165 Reactive depression	3	3	6
	166 Anxiety state	1	....	1
	167 Paranoid trend	1	....	1
17	Manic-depressive psychoses:			
	171 Manic type	6	15	21
	172 Depressive type	23	26	49
	173 Mixed types	....	1	1
	174 Hypomanic	7	4	11
	177 Agitated depression	....	1	1
18	Dementia Praecox (Schizophrenia):			
	181 Simple type	....	1	1
	183 Catatonic type	75	70	145
	184 Paranoid type	35	15	50
	185 Undiagnosed	3	....	3
19	Paranoia and paranoid conditions:			
	192 Paranoid conditions	8	9	17
20	Psychoses with psychopathic personality	....	....	....
21	Psychoses with mental deficiency	2	11	13
22	Undiagnosed psychoses	8	1	9
23	Without psychoses	5	8	13
	231 Epilepsy	4	1	5
	232 Alcoholism	1	....	1
	233 Drug addiction	1	4	5
	234 Mental deficiency	16	37	53
	236 Psychopathic personality	2	3	5
	237 Tabes Dorsalis	7	1	8
	238 Senility	1	....	1
	242 Neurosyphilis	23	5	28
	243 Chronic Encephalitis	....	2	2
24	Primary behaviour disorders	....	....	....
	Totals	329	258	587

TABLE No. 3
NATIVITIES OF PATIENTS ADMITTED DURING 1945

Nativities	Male	Female	Total	Nativities	Male	Female	Total
Canada	183	166	349	Sweden	2	2	4
England	23	17	40	China	3	....	3
Scotland	7	3	10	Denmark	5	1	6
Ireland	7	4	11	Italy	....	1	1
U.S.A.	29	37	66	Moravia	1	....	1
Austria	16	2	18	Roumania	3	1	4
Russia	5	4	9	Japan	1	....	1
Poland	10	9	19	Jugoslavia	1	1	2
Czecho-Slovakia	8	3	11	Switzerland	1	....	1
Finland	2	....	2	Galicia	1	....	1
Ukraine	2	1	3	Lithuania	1	....	1
France	2	....	2	Bulgaria	....	1	1
Germany	7	1	8				
Hungary	4	....	4	Totals	329	258	587
Norway	5	4	9				

TABLE No. 4
AGES OF PATIENTS ADMITTED DURING 1945

Ages	First Admissions			Re-admissions			Totals		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 15 years	3	6	9	....	....	....	3	6	9
15 to 19 years	11	17	28	1	7	8	12	24	36
20 to 24 years	27	25	52	6	8	14	33	33	66
25 to 29 years	35	23	58	8	11	19	43	34	77
30 to 34 years	24	19	43	4	14	18	28	33	61
35 to 40 years	23	23	46	9	7	16	32	30	62
40 to 44 years	24	17	41	7	9	16	31	26	57
45 to 49 years	24	8	32	9	2	11	33	10	43
50 to 54 years	25	9	34	2	3	5	27	12	39
55 to 59 years	23	11	34	4	9	13	27	20	47
60 to 64 years	16	6	22	2	8	10	18	14	32
65 to 69 years	15	4	19	3	5	8	18	9	27
70 and over	23	6	29	1	1	2	24	7	31
Total	273	174	447	56	84	140	329	258	587

TABLE No. 5

DISCHARGES, CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES AND CONDITION ON DISCHARGE
FOR THE YEAR 1945

Psychoses	Recovered			Improved			Unimproved			Totals		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01. Psychoses with syphilitic meningo-encephalitis (general paresis)	1	....	1	7	3	10	3	....	3	11	3	14
02. Psychoses with other forms of syphilis of the central nervous system	....	....	....	....	....	....	....	....	....	....	....	....
023 Tabo-paresis	....	....	....	1	....	1	1	....	1	2	....	2
03. Psychoses with epidemic encephalitis	....	1	1	....	....	....	....	....	....	....	1	1
04. Psychoses with other infectious diseases	1	....	1	....	....	....	....	....	....	1	....	1
05. Alcoholic psychoses	....	....	....	....	....	....	....	....	....	....	....	....
052 Delirium tremens	1	....	1	....	1	1	....	....	....	1	1	2
054 Acute hallucinosis	1	2	3	1	....	1	....	....	....	2	2	4
055 Undetermined	....	....	....	1	....	1	....	....	....	1	....	1
06. Psychoses due to drugs or other exogenous poisons	....	1	1	1	....	1	....	....	....	1	1	2
07. Traumatic psychoses	....	....	....	....	....	....	....	....	....	....	....	....
08. Psychoses with cerebral arteriosclerosis	3	....	3	1	1	2	1	....	1	5	1	6
09. Psychoses with other disturbances of circulation	....	....	....	....	....	....	....	....	....	....	....	....
10. Psychoses with convulsive disorders	....	....	....	....	....	....	....	....	....	....	....	....
102 Epileptic clouded states	2	....	2	....	....	....	....	....	....	2	....	2
11. Senile psychoses	....	....	....	....	....	....	....	....	....	....	....	....
113 Delirious and confused	....	....	....	1	....	1	1	....	1	2	....	2
115 Paranoid types	....	....	....	1	....	1	....	....	....	1	....	1
12. Involutional melancholia	1	....	1	....	....	....	....	....	....	1	....	1
121 Melancholia	1	1	2	4	1	5	....	....	....	5	2	7
13. Psychoses due to other metabolic, etc., diseases	....	....	....	....	1	1	....	....	....	....	1	1
14. Psychoses due to new growth	....	....	....	....	....	....	....	....	....	....	....	....
15. Psychoses associated with organic changes of the nervous system	....	....	....	....	....	....	....	....	....	....	....	....
154 Subarachnoid haemorrhage	....	....	....	1	....	1	....	....	....	1	....	1
16. Psychoneuroses	....	....	....	....	....	....	....	....	....	....	....	....
161 Hysteria	....	....	....	1	....	1	....	....	....	1	....	1
162 Psychasthenia	....	2	2	....	....	....	....	....	....	....	2	2
163 Neurasthenia	....	1	1	....	1	1	....	....	....	....	2	2
164 Hypochondriasis	....	....	....	....	1	1	....	....	....	....	1	1
165 Reactive depression	2	1	3	1	3	4	....	....	....	3	4	7
166 Anxiety state	1	....	1	....	....	....	....	....	....	1	....	1
17. Manic-depressive psychoses	....	....	....	....	....	....	....	....	....	....	....	....
171 Manic type	6	9	15	3	5	8	....	1	1	9	15	24
172 Depressive type	3	13	16	14	9	23	1	....	1	18	22	40
173 Mixed types	....	2	2	....	....	....	....	....	....	....	2	2
174 Hypomanic	2	2	4	6	2	8	....	....	....	8	4	12

18.	Dementia Praecox (Schizophrenia)	....	....	....	....	....	....	....	....	....	....	....	....
	182 Hebephrenic type	....	....	....	....	1	1	1	....	1	1	1	2
	183 Catatonic type	16	15	31	17	28	45	9	5	14	42	48	90
	184 Paranoid type	1	....	1	13	4	17	6	3	9	20	7	27
	185 Undefined	....	....	....	1	1	2	1	....	1	2	1	3
19.	Paranoia and paranoid conditions	....	....	....	....	....	....	....	....	....	....	....	....
	192 Paranoid conditions	....	....	....	2	5	7	4	....	4	6	5	11
20.	Psychoses with psychopathic personality	....	....	....	....	....	....	....	....	....	....	....	....
21.	Psychoses with mental deficiency	....	1	1	2	4	6	....	....	....	2	5	7
22.	Undiagnosed psychoses	1	1	2	1	1	2	....	....	....	2	2	4
23.	Without psychoses	2	....	2	1	3	4	1	2	3	4	5	9
	231 Epilepsy	1	....	1	1	2	3	1	....	1	3	2	5
	232 Alcoholism	....	....	....	....	....	....	1	....	1	1	....	1
	233 Drug addiction	....	1	1	1	3	4	....	....	....	1	4	5
	234 Mental deficiency	1	....	1	1	1	2	6	20	26	8	21	29
	236 Psychopathic personality	....	....	....	1	1	2	1	2	3	2	3	5
	237 Senility	1	....	1	....	....	....	6	1	7	7	1	8
	238 Senility	....	....	....	....	....	....	1	....	1	1	....	1
	242 Neurosyphilis	....	....	....	....	1	1	21	5	26	21	6	27
24.	Primary behaviour disorders	....	....	....	....	....	....	....	....	....	....	....	....
	Totals	48	53	101	85	83	168	66	39	105	199	175	374

TABLE No. 6

DISCHARGES DURING 1945—SHOWING DURATION OF RESIDENCE

	Psychoses	Under 3 months			Under 6 months			Under 9 months			Under 12 months			Under 18 months			Under 2 years			Over 2 years			Total		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01.	With syphilitic meningo-encehpalitis	4	1	5	5	1	6	....	....	....	....	....	....	....	....	....	....	....	....	2	1	3	11	3	14
02.	With other forms of syphilis of the central nervous system	1	....	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	2	....	2
03.	With epidemic encephalitis	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1
04.	With other infectious diseases	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1
05.	Alcoholc psychoses	4	2	6	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4	3	7
06.	Due to drugs or other exogenous toxins	1	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	2
07.	Traumatic psychoses	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
08.	With cerebral arteriosclerosis	3	1	4	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	5	1	6
09.	With other disturbances of circulation	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1
10.	With convulsive disorders	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	1	....	1
11.	Senile psychoses	2	....	2	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	3	....	3
12.	Involutional psychoses	2	1	3	2	1	3	....	....	....	....	....	....	....	....	....	....	....	....	2	....	2	6	2	8
13.	Psychoses due to other metabolic, etc., diseases	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1
14.	Psychoses due to new growth	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
15.	Associated with organic changes of the nervous system	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	1	....	1
16.	Psychoneuroses	4	6	10	1	1	2	....	1	1	....	....	....	....	....	....	....	....	....	....	1	1	5	9	14
17.	Manic-depressive psychoses	12	15	27	9	9	18	1	7	8	1	1	2	2	2	4	....	2	2	10	7	17	35	43	78
18.	Schizophrenia	25	21	46	16	14	30	5	6	11	9	4	13	4	2	6	....	3	3	6	7	13	65	57	122
19.	Paranoia and paranoid conditions	4	3	7	1	....	1	1	1	2	....	....	....	....	....	....	....	1	1	....	....	....	6	5	11
20.	With psychopathic personality	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
21.	With mental deficiency	1	....	1	....	2	2	....	....	....	....	....	....	....	2	2	....	....	....	1	1	2	2	5	7
22.	Undiagnosed psychoses	....	1	1	1	....	1	1	....	1	....	1	1	....	....	....	....	....	....	....	....	....	2	2	4
23.	Without psychoses	46	30	76	....	8	8	....	1	1	1	1	2	....	....	....	....	1	1	1	1	2	48	42	90
24.	Primary Behaviour Disorders	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Total	111	83	194	36	37	73	10	17	27	11	7	18	6	7	13	....	6	6	25	18	43	199	175	374

TABLE No. 7

CLASSIFICATION OF DEATHS ACCORDING TO PSYCHIATRIC DIAGNOSES, 1945

	Psychoses	Male	Female	Total
01	Psychoses with syphilitic meningoencephalitis (general paresis)	5	....	5
02	Psychoses with other forms of syphilis of the central nervous system	1	....	1
03	Psychoses with epidemic encephalitis	1	....	1
05	Alcoholic psychoses	....	....	....
	051 Pathological intoxication	1	....	1
06	Psychoses due to drugs or other exogenous poisons	....	....	....
07	Traumatic psychoses	....	....	....
08	Psychoses with cerebral arteriosclerosis	12	4	16
09	Psychoses with other disturbances of circulation	....	....	....
10	Psychoses with convulsive disorders	1	....	1
11	Senile psychoses	17	6	23
12	Involutional melancholia	....	2	2
13	Psychoses due to other metabolic, etc. diseases	1	1	2
14	Psychoses due to new growth	....	1	1
15	Psychoses associated with organic changes of the nervous system	1	....	1
16	Psychoneuroses	....	....	....
17	Manic-depressive psychoses	1	1	2
18	Dementia Praecox (Schizophrenia)	8	3	11
19	Paranoia & paranoid conditions	2	1	3
20	Psychoses with psychopathic personality	....	....	....
21	Psychoses with mental deficiency	2	2	4
22	Undiagnosed psychoses	....	....	....
23	Without psychoses	4	1	5
24	Primary behavior disorders	....	....	....
	Totals	57	22	79

RECORD OF DEATHS DURING 1945

Register No.	Sex.	Age.	Time in Hospital Years.	Months.	Days.	Cause of Death
12476	F	65	....	1	9	Cerebral Thrombosis.
4718	F	60	16	....	19	Coronary Thrombosis.
12520	M	50	....	....	15	Gastric Hemorrhage.
12202	M	57	....	8	2	Tabo-Paresis.
12488	M	72	....	1	14	Generalized Arteriosclerosis. Exhaustion and inanition.
7840	M	80	8	8	....	Generalized Arteriosclerosis.
12537	M	73	....	....	13	Broncho-pneumonia.
11298	F	73	2	7	1	Broncho-pneumonia.
10238	M	75	3	10	9	Gall Stones—impacted.
12361	M	68	....	4	26	Generalized Arteriosclerosis.
4201	M	73	14	8	25	Generalized Arteriosclerosis.
11654	F	52	1	9	23	Carcinoma with Metastasis.
11954	M	66	1	1	28	Staphylococcus Cellulitis.
2089	M	58	24	....	28	Coronary Thrombosis.
8020	M	75	8	10	12	Generalized Arteriosclerosis.
7794	F	61	9	2	13	Carcinoma of Pelvic colon with obstruction
11632	F	25	2	3	2	and perforation. Suffocation during Epileptic seizure.
10975	F	61	3	8	25	Broncho-pneumonia.
12819	F	72	....	....	20	Senility.
12621	M	42	....	4	17	General Paresis of the Insane.
7013	M	69	11	11	13	Chronic Myocarditis.
12745	M	84	....	2	3	Senile Psychosis—Simple deterioration.
12845	M	51	....	....	27	Therapeutic Malaria.
4403	M	69	16	6	2	Bilateral Pulmonary tuberculosis.
12012	M	77	....	2	....	Perforated Duodenal Ulcer.
11658	M	79	2	4	11	Senility.
12868	F	60	....	2	17	Myocarditis.
105	M	57	33	8	22	Bronchopneumonia.
11826	M	50	4	2	17	Lobar-pneumonia.
12544	M	68	....	3	7	Senile psychosis.
9421	M	47	6	4	27	General Paresis of the Insane.
11109	F	62	3	2	21	Pulmonary Embolism with pulmonary in-
11894	F	28	1	5	17	fection. Bilateral Pulmonary tuberculosis.
12701	M	49	....	....	15	Myocarditis. Therapeutic Malaria.
7843	M	67	9	....	4	Chronic Myocarditis.
12204	M	75	1	....	8	Fracture of skull and Cerebral hemorrhage
10090	F	92	5	4	....	—result of fall. Senility with Senile Dementia.
10584	M	74	4	10	22	Generalized Arteriosclerosis.
3821	M	63	17	11	2	Bilateral Pulmonary tuberculosis.
12575	M	53	....	4	18	Exhaustion and inanition.
12585	M	35	....	....	13	Broncho-pneumonia.
5223	M	65	13	10	8	Broncho-pneumonia.
3519	M	56	18	7	10	Fracture of sphenoid bone superior surface
12266	M	68	....	8	5	from fall during seizure. Broncho-pneumonia. Epilepsy.
11811	M	76	1	5	25	Generalized Arteriosclerosis.
10826	M	65	3	8	9	Cerebral Thrombosis.
110	F	74	33	7	20	Broncho-pneumonia.

Register No.	Sex.	Age.	Time in Hospital Years.	Months.	Days.	Cause of Death
115	F	78	33	7	21	Broncho-pneumonia.
12636	M	74	....	....	5	Chronic Myocarditis.
12628	M	60	....	....	10	Chronic Myocarditis.
5560	M	60	12	11	18	Broncho-pneumonia.
12569	M	57	....	1	28	Therapeutic Malaria.
5982	M	50	10	5	12	Carbuncle on back of neck.
136	F	79	33	8	21	Pernicious Anaemia.
11756	F	70	2	2	2	Broncho-pneumonia.
12919	M	77	....	....	7	Generalized Arteriosclerosis.
12269	F	75	....	3	7	Broncho-pneumonia.
12209	M	68	1	4	18	Paralytic Ileus.
5112	M	85	14	9	11	Carcinoma of the liver.
11378	M	67	3	1	23	Coronary occlusion.
11912	M	34	1	11	4	Chronic Encephalitis.
12712	F	35	....	5	15	Paralytic Ileus (Post-operative).
12724	M	50	....	5	6	Pulmonary tuberculosis.
12962	M	67	....	....	14	Myocarditis. Myocardial degeneration.
8562	M	76	8	5	21	Cerebral thrombosis.
12971	M	74	....	....	10	Generalized Arteriosclerosis.
12749	M	53	....	5	16	General Paresis of the Insane.
12898	M	53	....	2	9	Exhaustion and inanition.
10923	F	38	4	2	8	Encephalitis Lethargica.
12994	M	76	....	....	9	Generalized Arteriosclerosis.
5255	F	64	14	6	13	Carcinoma of sigmoid colon with perforation.
12974	M	55	....	1	12	Broncho-pneumonia.
9697	M	29	6	7	8	Pulmonary tuberculosis.
13006	M	61	....	....	25	Exhaustion and inanition.
5755	M	71	13	5	8	Coronary thrombosis.
12719	M	75	....	7	12	Exhaustion Agitation.
12980	M	71	....	5	19	Generalized Arteriosclerosis.
13002	F	65	....	1	7	Broncho-pneumonia.
12771	M	54	....	6	24	Pulmonary tuberculosis.

PROVINCIAL AUXILIARY MENTAL HOSPITAL, RAYMOND

Movement of Patients.

On January 1, 1945 there were one hundred and nine patients in residence. During the year there were twelve admissions by transfer, one first admission by certificates, and one re-admission by certificate. There was one discharged as improved, three discharges by transfer, and two deaths; leaving in residence at December 31, 1945, one hundred and seventeen patients.

Accidents and Elopments.

There were no elopments or attempts during the year.

There were two accidents to patients during the year. One patient while quarreling slipped and fractured her right Patella. The knee was X-rayed and put in a plaster of Paris cast. She now has full use of the limb with no damage to the knee joint. The other accident occured when a patient fell against the edge of a table while taking a Grand Mall Epileptic seizure, fracturing the right clavicle.

General Health.

All patients and the Staff were innoculated against Typhoid Fever early in April. There has been little illness among the patients. Their general health is good and during the winter they received capsules of Cod Liver Oil and Minerals.

Dentistry.

Due to the illness of Dr. J. E. Revell, the patients' teeth were not examined this year. All repairs to dentures were done very satisfactorily by the Dental Laboratory in Lethbridge. There were no complaints of tooth ache, so it was unnecessary to take any of the patients to the local dentist.

Occupational Therapy.

The Occupational Therapy Parlor for needlework, sewing, knitting, etc., has been open all year, and is a means of much benefit to the general behaviour of many of the patients.

From early spring until late fall, many of the patients enjoy working in the vegetable gardens, and keeping the lawns mowed and raked.

Library.

The small library is used extensively, new books being added from time to time. Newspapers and magazines were received from various sources and distributed on the wards.

Religious Services.

The United Church Minister from Magrath, Alberta, holds services at the hospital once each month. He also officiates at funerals when requested to do so. The Catholic priest gives services once each month also.

Recreation and Entertainment.

Twice each month the Nurses escort about sixty patients down town to a special afternoon picture show.

During the summer the wards are cleared and all the patients spend the afternoons on the lawns.

Visitors.

Dr. R. R. MacLean, Medical Superintendent for the Provincial Mental Hospitals, has made periodic visits during the year. The Eugenics Board, acting as a Board of Inspection, made their annual visit. The Fire Inspection Board have also visited and made their complete inspection.

Relatives and friends of many patients have visited, and were conducted through the hospital. They were enthusiastic in their praise of the light airy wards and sleeping dormitories, and well satisfied with the accommodations provided for the patients.

Alterations.

A new shingle roof was put on the hospital building this year, which had been badly needed. The inside is now being completely re-decorated and the day rooms will be painted in colors instead of cream. A small chicken coop and a calf barn were erected in the barn lot.

Gardens and Grounds.

More vegetables were raised this year than for some years past with the exception of potatoes and tomatoes.

Conclusion.

The general health of the patients has remained very good and the hospital capacity has been maintained throughout the year. The hospital is well equipped and the patients are well taken care of.

TABLE No. 1

MOVEMENT OF PATIENT POPULATION DURING 1945

	Male	Female	Total	Male	Female	Total
In Residence January 1, 1945				....	109	109
Admissions:						
(a) Voluntary	....	....	....			
(b) Certificates	....	1	1			
(c) Warrant	....	....	....			
(d) Order	....	....	....			
(e) Transfers	....	12	12	....	13	13
				....	122	122
Re-Admissions:						
(a) Voluntary	....	....	....			
(b) Certificates	....	1	1			
(c) Warrant	....	....	....			
(d) Order	....	....	....			
(e) Transfers	....	....	....	....	1	1
				....	123	123
Discharges during the year:						
(a) As recovered	....	....	....			
(a) As improved	....	1	1			
(c) As unimproved	....	....	....			
(d) As without psychosis	....	....	....			
(e) Transferred to other Hospitals	....	3	3			
(f) Eloped	....	....	....			
(g) Deported to other countries	....	....	....			
(h) Deaths	....	2	2	....	6	6
				....	117	117
In Residence December 31, 1945				....	117	117

TABLE No. 2

SHOWING THE PSYCHOSES IN THOSE ADMITTED IN 1945

	Psychoses	Male	Female	Total
02	Psychoses with other forms of syphilis of the central nervous system:	....	....	....
	021 Meningo-vascular type	....	1	1
05	Alcoholic psychoses	....	....	....
	054 Acute hallucinosis	....	1	1
08	Psychoses with cerebral arteriosclerosis	....	4	4
10	Psychoses with convulsive disorders	....	....	....
	101 Epileptic deterioration	....	1	1
	103 With Arteriosclerosis	....	1	1
11	Senile Psychoses	....	....	....
	111 Simple deterioration	....	5	5
	115 Paranoid types	....	3	3
17	Manic-depressive psychoses	....	....	....
	171 Manic type	....	1	1
	172 Depressive type	....	5	5
	177 Circular type	....	1	1
18	Dementia Praecox (Schizophrenia)	....	....	....
	182 Hebephrenic type	....	6	6
	183 Catatonic type	....	21	21
	184 Paranoid type	....	26	26
19	Paranoia & Paranoid Conditions	....	....	....
	192 Paranoid conditions	....	11	11
21	Psychoses with mental deficiency	....	11	11
22	Undiagnosed psychoses	....	1	1
23	Without psychoses	....	....	....
	234 Mental deficiency	....	17	17
	235 Disorder of personality	....	1	1
	Totals	....	117	117

TABLE No. 3

CLASSIFICATION OF DEATHS ACCORDING TO PSYCHIATRIC DIAGNOSIS, 1945

Register No.	Sex.	Age.	Time in Hospital Years.	Months.	Days.	Cause of Death
10426	F	67	0	0	22	Broncho-pneumonia.
10649	F	75	4	2	24	Influenzal pneumonia with essential hypertention with Arteriosclerosis.

PROVINCIAL AUXILIARY HOSPITAL, CLARESHOLM

Movement of Patients.

In residence on January 1st, 1945, there were 100 patients. In residence on December 31st, 1945, there were 96 patients. There were four patients transferred to this hospital. These were all transferred from the Provincial Mental Hospital, Ponoka.

There was one patient transferred to the Provincial Mental Hospital, Ponoka from this Hospital. This patient was transferred for treatment, as she was disturbed.

Four patients were discharged to the care of relatives. Two of these patients were discharged as unimproved and two had shown some improvement.

There were three deaths during the year.

Accidents and Elopements.

There were no elopements. One elderly lady suffered a fracture of her left femur, but no other serious accidents occurred.

General Health.

The health of the patients and staff has been very satisfactory. There were three deaths due to degenerative conditions.

Dentistry.

The necessary dental work was attended to by the local dentist.

Occupational Therapy.

The Occupational Therapy department continued to do very good work. Mrs. M. Arnestad took over this department upon the resignation of Miss E. Foxcroft. Many patients spent much time during the summer working about the gardens and grounds, and showed a keen interest in their work.

Library.

The patients continued to enjoy the books in the library. More books were obtained from one of the Book Clubs.

Buildings.

Improvements and repairs to all the buildings were carried out during the year by the Department of Public Works. The bathroom off the Infirmary was completed and has been found very useful in the care of the elderly patients. The members of the Public Works staff have co-operated to the fullest.

Religious Services.

Protestant church services were conducted by the local United Church minister twice a month. Catholic services were conducted by the local Priest once a month.

Recreation and Entertainment.

The patients continued to attend the regular matinees at the local theatre twice a month. The patients enjoyed these shows very much and the kindness and co-operation of the management of the theatre is greatly appreciated.

The annual Sports Day was held in July. Many of the patients participated in the games and races and prizes were awarded to the winners. Refreshments were served.

The Halloween party was held on October 31st. Singing and dancing were enjoyed and refreshments were served.

A Christmas party was held for the patients who work in the various Departments and on the ward, and small gifts were given to each patient. On December 28th, a party was held for all the patients.

The United Church choir visited the hospital and presented a programme of Easter and Christmas music. This was greatly appreciated by the patients.

Gardens and Grounds.

The vegetable garden was very good and sufficient vegetables were obtained for the entire year.

Dietary Department.

Miss M. Harvey, Dietitian, resigned in February, and since that time, there has been no dietition. The cooks have co-operated in maintaining the efficiency of this Department.

Staff Changes.

There have been many staff changes during the year and a shortage of staff a great part of the time. However, every effort has been made to maintain the efficiency of the various departments and to increase the number of patients attending Occupational classes.

Staff.

Dr. Rose has given the necessary medical care to patients and staff. His interest and co-operation are greatly appreciated.

Visitors.

Visits were made to the Hospital by the Medical Superintendent of the Provincial Mental Hospital, Ponoka.

Members of the Eugenics Board acting as a Visiting Board, visited and inspected the Hospital in September.

Many friends and relatives of the patients visited the Hospital.

TABLE 1

MOVEMENT OF PATIENT POPULATION DURING 1945

	Male	Female	Total	Male	Female	Total
In Residence January 1, 1945				....	100	100
Admissions:						
First Admissions:						
(a) Voluntary	....	....	....			
(b) Certificates	....	....	....			
(c) Warrant	....	....	....			
(d) Order	....	....	....			
(e) Transfers	....	4	4			
Re-Admissions:						
(a) Voluntary	....	....	....			
(b) Certificates	....	....	....			
(c) Warrant	....	....	....			
(d) Order	....	....	....			
(e) Transfers	....	....	....			
	—	—	—	....	4	4
				—	—	—
				....	104	104
Discharged during the year:						
(a) As recovered	....	....	....			
(b) As improved	....	2	2			
(c) As unimproved	....	2	2			
(d) As without psychosis	....	....	....			
(e) Transferred to other Hospitals	....	1	1			
(f) Eloped	....	....	....			
(g) Deported to other countries	....	....	....			
(h) Deaths	....	3	3			
	—	—	—	....	8	8
				—	—	—
				....	96	96

TABLE No. 2

SHOWING THE PSYCHOSES OF PATIENTS IN RESIDENCE, 1945

		Female
04	Psychoses with other infectious diseases	1
08	Psychoses with cerebral arterio-sclerosis	5
10	Psychoses with convulsive disorders	2
11	Senile psychoses:	
	111 Simple deterioration	1
	115 Paranoid types	1
12	Involutional melancholia:	
	121 Melancholia	4
16	Psychoneuroses:	
	163 Neurasthenia	1
17	Manic-depressive psychoses:	
	172 Depressive type	2
18	Dementia Praecox (Schizophrenia):	
	181 Simple type	2
	182 Hebephrenic type	5
	183 Catatonic type	20
	184 Paranoid type	21
19	Paranoia & paranoid conditions:	
	191 Paranoia	1
	192 Paranoid conditions	8
21	Psychoses with mental deficiency	11
23	Without psychoses:	
	234 Mental deficiency	11
	Total	96

TABLE No. 3

CLASSIFICATION OF DEATHS ACCORDING TO PSYCHIATRIC DIAGNOSIS, 1945

Register No.	Sex.	Age.	Time in Hospital Years.	Months.	Days.	Cause of Death
5150	F	70	11	2	10	Coronary Thrombosis.
11222	F	72	2	1	27	Lobar Pneumonia.
10421A	F	81	3	1	17	Broncho Pneumonia.

PROVINCIAL MENTAL INSTITUTE, EDMONTON

TABLE No. 1

MOVEMENT OF POPULATION

	Males	Females	Total
Patients on books January 1st, 1945:			
In Hospital	876	177	1053
On Probation	5	....	5
Elopements	5	3	8
On Special Parole	4	1	5
Total	890	181	1071
Admissions During Year:			
First Admissions	42	17	59
Re-admissions	9	2	11
Transfers	140	45	185
Total	191	64	255
Total Received During Year:			
Transfers	140	45	185
Re-admissions	9	2	11
Warrant	19	8	27
Voluntary	6	3	9
Certificates	8	1	9
Mental Defectives Act	9	5	14
Total	191	64	255
Discharged During Year:			
Recovered	3	1	4
Improved	10	3	13
Unimproved	5	1	6
Without Psychosis	....	....	....
Transfers	3	5	8
Died	41	6	47
Total	62	16	78
Patients on Books End of Year:			
In Hospital	995	215	1210
On Probation	13	7	20
Elopements	5	3	8
On Special Parole	6	4	10
Total	1019	229	1248
Total admitted since opening	1789	272	2061
Total discharged since opening	508	27	535
Total deaths since opening	406	12	418

TABLE No. 2
NUMBER OF OFFICERS AND EMPLOYEES

	Males	Females	Total
Medical Superintendent	1	....	1
Assistant Medical Superintendent	1	....	1
Medical Officer	2	....	2
Dentist (part time)	1	....	1
Bursar	1	....	1
Stenographers and Clerks	2	5	7
Night Supervisors	1	....	1
Graduate Nurses	....	9	9
Other Female Nurses	....	22	22
Male Attendants	93	....	93
Tailor	1	....	1
Shoemaker	1	....	1
Occupational Therapists	1	1	2
Bakers and Cooks	10	....	10
Laundry	2	3	5
Gardener and Assistants	4	....	4
Engineers and Mechanics	16	....	16
Other Employees	13	3	16
Total	150	43	193

TABLE No. 3
PSYCHIATRIC AND INDUSTRIAL CLASSIFICATION OF PATIENTS

	Males	Females	Total
Psychiatric:			
Patients insane	898	187	1085
Epileptics (not insane)	14	8	22
Mental Deficiency (not insane)	103	34	137
Alcoholics (not insane)	....	....	....
Drug Addicts (not insane)	....	....	....
Neurosyphilitics (not insane)	....	....	....
All other types (not insane)	4	....	4
Total	1019	229	1248
Industrial:			
Industrial Workers	116	33	149
Garden Workers	51	....	51
Internal Workers	341	73	414
Doing no work	487	109	596
On Probation, Parole, etc.	24	14	38
Total	1019	229	1248

TABLE No. 4
NATIVITY OF PATIENTS IN RESIDENCE

	Males	Females	Total		Males	Females	Total
Canada	348	109	457	Japan	2	1	3
Australia	1	....	1	Norway	27	3	30
Austria	76	10	86	Poland	51	24	75
Belgium	4	....	4	Rumania	12	2	14
China	7	....	7	Russia	41	14	55
Denmark	9	....	9	Scotland	33	9	42
England	98	12	110	Sweden	24	....	24
Finland	4	1	5	Switzerland	7	1	8
France	9	1	10	U.S.A.	131	20	151
Germany	30	5	35	Wales	8	1	9
Holland	2	1	3	Other Countries	39	9	48
Hungary	6	3	9	Unascertained	17	....	17
Ireland	21	3	24				
Italy	12	....	12	Total	1019	229	1248

TABLE No. 5
CITIZENSHIP OF PATIENTS IN RESIDENCE

	Males	Females	Total
Citizen by Birth	382	110	492
Citizen by Naturalization	100	55	155
Aliens	355	38	393
Unascertained	34	....	34
British Birth out of Canada	148	26	174
Total	1019	229	1248

TABLE No. 6
DENTAL REPORT

During the year 1945, there was no dentist available. A few patients were treated by dentists in the city and other extractions were done by members of the Medical Staff.

TABLE No. 7

AGE AT ADMISSION AND PRINCIPAL PSYCHOSES

	Psychoses	Total			Under 15 years			15 to 19			20 to 24			25 to 29			30 to 34			35 to 39		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01.	General Paresis	42	4	46	....	....	....	....	....	....	1	....	1	1	....	1	6	....	6	5	2	7
02.	With other forms of syphilis	3	....	3	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	1	....	1
03.	With Epidemic Encephalitis	4	1	5	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	1	1
04.	With other Infect. Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
05.	Alcoholic	2	1	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
06.	Due to Drugs, etc.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	2
07.	Traumatic	3	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
08.	Cerebral Arteriosclerosis	23	2	25	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
09.	With other dis. of circ.	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
10.	With Epilepsy	33	8	41	1	....	1	2	1	3	8	1	9	2	2	4	7	3	10	7	....	7
11.	Senile	33	9	42	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
12.	Involutional	1	3	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13.	Due to Other Met. Diseases	3	1	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
14.	Due to New Growth	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
15.	With Org. Changes Ner. Sys.	5	1	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
16.	Psychoneuroses	3	1	4	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	1	....	1
17.	Manic Depressive	49	26	75	....	....	....	....	....	....	1	1	2	....	3	3	3	5	8	5	6	11
18.	Schizophrenia	557	104	661	....	....	....	21	6	27	79	15	94	113	21	134	108	17	125	102	20	122
19.	Paranoia & Paranoid Cond.	64	5	69	....	....	....	....	....	....	....	....	....	3	....	3	6	1	7	5	1	6
20.	Psycho. Personality	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....
21.	With Mental Deficiency	64	19	83	1	....	1	3	2	5	10	6	16	10	5	15	10	2	12	11	1	12
22.	Undiagnosed	7	2	9	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	1	....	1
23.	Without Psychoses:																					
	231	14	8	22	3	....	3	2	2	4	5	1	6	4	4	8	....	....	....	....	....	....
	234	103	34	137	9	3	12	21	9	30	25	12	37	12	5	17	8	3	11	7	1	8
	235	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	236	3	....	3	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....
	Total	1019	229	1248	15	3	18	49	20	69	130	36	166	146	42	188	150	31	181	146	33	179

TABLE No. 7—Continued

AGE AT ADMISSION AND PRINCIPAL PSYCHOSES

	Psychoses	40 to 44			45 to 49			50 to 54			55 to 59			60 to 64			65 to 69			70 and over			Unascertained		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01.	General Paresis	10	2	12	7	....	7	4	....	4	4	....	4	2	....	2	2	....	2	....	....	....	....	....	....
02.	With other forms of syphilis	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
03.	With Epidemic Encephalitis	....	....	....	1	....	1	2	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
04.	With other infectious Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
05.	Alcoholic	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
06.	Due to Drugs, etc.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
07.	Traumatic	1	....	1	1	....	1	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....
08.	Cerebral Arteriosclerosis	....	....	....	....	....	....	1	....	1	2	....	2	12	1	13	2	....	2	6	1	7	....	....	....
09.	With other Disturbances of Circ.	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
10.	With Epilepsy	2	1	3	1	....	1	1	....	1	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....
11.	Senile	....	....	....	....	....	....	....	....	....	3	....	3	5	2	7	9	4	13	16	3	19	....	....	....
12.	Involutional	....	2	2	....	....	....	....	1	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
13.	Due to Other Metabolic Diseases	....	....	....	....	....	....	1	1	2	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....
14.	Due to New Growth	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
15.	With Organic Changes of Ner. System	1	....	1	1	....	1	2	1	3	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
16.	Psychoneuroses	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
17.	Manic Depressive	5	3	8	7	4	11	13	1	14	9	1	10	3	1	4	1	1	2	2	....	2	....	....	....
18.	Schizophrenia	50	11	61	35	7	42	27	6	33	13	1	14	3	....	3	....	....	....	1	....	1	5	....	5
19.	Paranoia & Paranoid Conditions	15	2	17	7	....	7	18	....	18	3	....	3	5	1	6	2	....	2	....	....	....	....	....	....
20.	Psychopathic Personality	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
21.	With Mental Deficiency	8	1	9	5	1	6	2	1	3	2	....	2	2	....	2	....	....	....	....	....	....	....	....	....
22.	Undiagnosed	....	....	....	1	1	2	4	....	4	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
23.	Without Psychoses:																								
	231	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	234	9	....	9	5	1	6	7	....	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	235	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	236	1	....	1	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
	Total	104	23	127	73	14	87	82	11	93	43	2	45	35	5	40	16	5	21	25	4	29	5	....	5

TABLE No. 8

DEGREE OF EDUCATION OF FIRST ADMISSIONS, BY PRINCIPAL PSYCHOSES

Psychoses	Total			Illiterate			Reads and Writes			Common School			High School			University			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01. General Paresis	42	4	46	4	....	4	17	3	20	19	1	20	2	....	2	....	....	....	....	....	....
02. With other forms of syphilis	3	....	3	....	....	....	1	....	1	2	....	2	....	....	....	....	....	....	....	....	....
03. With Epidemic Encephalitis	4	1	5	....	....	....	....	1	1	3	....	3	1	....	1	....	....	....	....	....	....
04. With other Infect. Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
05. Alcoholic	2	1	3	....	....	....	....	....	....	1	....	1	1	1	2	....	....	....	....	....	....
06. Due to Drugs, etc.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
07. Traumatic	3	....	3	1	....	1	....	....	....	1	....	1	....	....	....	....	....	....	1	....	1
08. Cerebral Arteriosclerosis	23	2	25	1	....	1	6	....	6	13	2	15	1	....	1	....	....	....	2	....	2
09. With other dis. of circ.	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
10. With Epilepsy	33	8	41	6	1	7	11	2	13	13	4	17	3	....	3	....	....	....	....	1	1
11. Senile	33	9	42	4	4	8	13	....	13	11	4	15	1	....	1	....	....	....	4	1	5
12. Involutional	1	3	4	1	1	2	....	1	1	....	1	1	....	....	....	....	....	....	....	....	....
13. Due to Other Met. Diseases	3	1	4	....	....	....	1	1	2	2	....	2	....	....	....	....	....	....	....	....	....
14. Due to New Growth	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
15. With Org. Changes Ner. Sys.	5	1	6	2	....	2	2	....	2	....	1	1	1	....	1	....	....	....	....	....	....
16. Psychoneuroses	3	1	4	....	....	....	2	....	2	1	....	1	....	1	1	....	....	....	....	....	....
17. Manic Depressive	49	26	75	7	5	12	10	10	20	25	9	34	5	2	7	1	....	1	1	....	1
18. Schizophrenia	557	104	661	40	9	49	206	38	244	232	38	270	44	16	60	9	1	10	26	2	28
19. Paranoia & Paranoid Cond.	64	5	69	8	....	8	17	2	19	29	3	32	4	....	4	1	....	1	5	....	5
20. Psycho. Personality	1	....	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
21. With Mental Deficiency	64	19	83	23	5	28	15	11	26	20	3	23	2	....	2	....	....	....	4	....	4
22. Undiagnosed	7	2	9	2	....	2	2	1	3	3	1	4	....	....	....	....	....	....	....	....	....
23. Without Psychoses:																					
231	14	8	22	8	5	13	4	2	6	1	1	2	....	....	....	....	....	....	1	....	1
234	103	34	137	61	29	90	26	4	30	14	1	15	....	....	....	....	....	....	2	....	2
235	1	....	1	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....
236	3	....	3	....	....	....	2	....	2	1	....	1	....	....	....	....	....	....	....	....	....
Total	1019	229	1248	169	59	228	336	76	412	392	69	461	65	20	85	11	1	12	46	4	50

TABLE No. 9

ENVIRONMENT OF FIRST ADMISSIONS, BY PRINCIPAL PSYCHOSES

Psychoses	Total			Urban 2,500 and over			Rural			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01. General Paresis	42	4	46	21	1	22	21	3	24	....	....	....
02. With other forms of syphilis	3	....	3	1	....	1	2	....	2	....	....	....
03. With Epidemic Encephalitis	4	1	5	2	....	2	2	1	3	....	....	....
04. With other infectious Diseases	....	....	....	....	....	....	....	....	....	....	....	....
05. Alcoholic	2	1	3	....	1	1	2	....	2	....	....	....
06. Due to Drugs, etc.	....	....	....	....	....	....	....	....	....	....	....	....
07. Traumatic	3	....	3	....	....	....	3	....	3	....	....	....
08. Cerebral Arteriosclerosis	23	2	25	10	1	11	12	1	13	1	....	1
09. With other Disturbances of Circ.	1	....	1	....	....	....	1	....	1	....	....	....
10. With Epilepsy	33	8	41	9	2	11	24	6	30	....	....	....
11. Senile	33	9	42	11	5	16	22	4	26	....	....	....
12. Involutional	1	3	4	....	....	....	1	3	4	....	....	....
13. Due to Other Metabolic Diseases	3	1	4	1	1	2	2	....	2	....	....	....
14. Due to New Growth	....	....	....	....	....	....	....	....	....	....	....	....
15. With Organic Changes of Ner. System	5	1	6	4	1	5	1	....	1	....	....	....
16. Psychoneuroses	3	1	4	1	1	2	2	....	2	....	....	....
17. Manic Depressive	49	26	75	16	7	23	32	19	51	1	....	1
18. Schizophrenia	557	104	661	170	39	209	368	65	433	19	....	19
19. Paranoia & Paranoid Conditions	64	5	69	20	4	24	44	1	45	....	....	....
20. Psychopathic Personality	1	....	1	1	....	1	....	....	....	....	....	....
21. With Mental Deficiency	64	19	83	14	4	18	48	15	63	2	....	2
22. Undiagnosed	7	2	9	1	1	2	6	1	7	....	....	....
23. Without Psychoses:												
231	14	8	22	2	2	4	11	6	17	1	....	1
234	103	34	137	33	9	42	69	25	94	1	....	1
235	1	....	1	....	....	....	1	....	1	....	....	....
236	3	....	3	2	....	2	1	....	1	....	....	....
Total	1019	229	1248	318	80	398	675	150	825	25	....	25

TABLE No. 10

ECONOMIC CONDITION OF FIRST ADMISSIONS, BY PRINCIPAL PSYCHOSES

	Psychoses	Total			Dependent			Living on Daily Earnings			Comfortable (ample for 4 months)			Unascertained		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01.	General Paresis	42	4	46	15	4	19	19	....	19	6	....	6	2	....	2
02.	With other forms of syphilis	3	....	3	2	....	2	....	....	....	1	....	1	....	....	....
03.	With Epidemic Encephalitis	4	1	5	3	1	4	1	....	1	....	....	....	....	....	....
04.	With other Infect. Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
05.	Alcoholic	2	1	3	1	1	2	....	1	1	....	....	....	....	....	....
06.	Due to Drugs, etc.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
07.	Traumatic	3	....	3	....	....	....	2	....	2	1	....	1	....	....	....
08.	Cerebral Arteriosclerosis	23	2	25	13	2	15	6	....	6	4	....	4	....	....	....
09.	With other dis. of circ.	1	....	1	....	....	....	....	....	....	1	....	1	....	....	....
10.	With Epilepsy	33	8	41	22	8	30	10	....	10	....	....	....	1	....	1
11.	Senile	33	9	42	24	7	31	7	2	9	2	....	2	....	....	....
12.	Involutional	1	3	4	1	3	4	....	....	....	....	....	....	....	....	....
13.	Due to Other Met. Diseases	3	1	4	1	1	2	2	....	2	....	....	....	....	....	....
14.	Due to New Growth	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
15.	With Org. Changes Ner. Sys.	5	1	6	4	1	5	....	....	....	1	....	1	....	....	....
16.	Psychoneuroses	3	1	4	2	....	2	1	1	2	....	....	....	....	....	....
17.	Manic Depressive	49	26	75	15	25	40	25	....	25	6	1	7	3	....	3
18.	Schizophrenia	557	104	661	201	95	296	300	8	308	38	1	39	18	....	18
19.	Paranoia & Paranoid Cond.	64	5	69	24	4	28	35	1	36	5	....	5	....	....	....
20.	Psycho. Personality	1	....	1	....	....	....	1	....	1	....	....	....	....	....	....
21.	With Mental Deficiency	64	19	83	37	17	54	23	2	25	3	....	3	1	....	1
22.	Undiagnosed	7	2	9	2	2	4	5	....	5	....	....	....	....	....	....
23.	Without Psychoses:															
	231	14	8	22	10	8	18	2	....	2	1	....	1	1	....	1
	234	103	34	137	85	34	119	14	....	14	3	....	3	1	....	1
	235	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....
	236	3	....	3	2	....	2	1	....	1	....	....	....	....	....	....
	Total	1019	229	1248	465	213	678	454	15	469	72	2	74	27	....	27

TABLE No. 11

USE OF ALCOHOL BY FIRST ADMISSIONS, BY PRINCIPAL PSYCHOSES

Psychoses	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01. General Paresis	42	4	46	7	1	8	27	2	29	3	....	3	5	1	6
02. With other forms of syphilis	3	....	3	1	....	1	2	....	2	....	....	....	....	....	....
03. With Epidemic Encephalitis	4	1	5	1	....	1	3	1	4	....	....	....	....	....	....
04. With other Infect. Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
05. Alcoholic	2	1	3	....	....	....	....	....	....	2	1	3	....	....	....
06. Due to Drugs, etc.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
07. Traumatic	3	....	3	....	....	....	2	....	2	....	....	....	1	....	1
08. Cerebral Arteriosclerosis	23	2	25	4	2	6	16	....	16	2	....	2	1	....	1
09. With other dis. of circ.	1	....	1	....	....	....	1	....	1	....	....	....	....	....	....
10. With Epilepsy	33	8	41	10	5	15	20	2	22	1	1	2	2	....	2
11. Senile	33	9	42	12	5	17	14	4	18	4	....	4	3	....	3
12. Involutional	1	3	4	....	2	2	1	1	2	....	....	....	....	....	....
13. Due to Other Met. Diseases	3	1	4	2	1	3	....	1	1	....	....	....	....	....	....
14. Due to New Growth	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
15. With Org. Changes Ner. Sys.	5	1	6	....	1	1	3	....	3	1	....	1	1	....	1
16. Psychoneuroses	3	1	4	1	....	1	2	1	3	....	....	....	....	....	....
17. Manic Depressive	49	26	75	10	10	20	35	15	50	3	1	4	1	....	1
18. Schizophrenia	557	104	661	81	42	123	382	55	437	35	1	36	59	6	65
19. Paranoia & Paranoid Cond.	64	5	69	7	2	9	37	3	40	13	....	13	7	....	7
20. Psycho. Personality	1	....	1	....	....	....	....	....	....	1	....	1	....	....	....
21. With Mental Deficiency	64	19	83	19	3	22	34	10	44	5	4	9	6	2	8
22. Undiagnosed	7	2	9	1	....	1	4	2	6	1	....	1	1	....	1
23. Without Psychoses:															
231	14	8	22	9	7	16	2	1	3	1	....	1	2	....	2
234	103	34	137	50	23	73	35	8	43	3	....	3	15	3	18
235	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....
236	3	....	3	....	....	....	3	....	3	....	....	....	....	....	....
Total	1019	229	1248	216	104	320	623	106	729	75	8	83	104	12	116

TABLE No. 12

MARITAL CONDITION OF FIRST ADMISSIONS, BY PRINCIPAL PSYCHOSES

	Psychoses	Total			Single			Married			Widowed			Divorced			Separated			Unascertained		
		M.	F.	T.	M	F..	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01.	General Paresis	42	4	46	16	....	16	25	3	28	....	1	1	....	....	....	1	....	1	....	....	....
02.	With other forms of syphilis	3	....	3	1	....	1	1	....	1	....	....	....	....	....	....	1	....	1	....	....	....
03.	With Epidemic Encephalitis	4	1	5	1	1	2	3	....	3	....	....	....	....	....	....	....	....	....	....	....	....
04.	With other Infect. Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
05.	Alcoholic	2	1	3	2	....	2	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
06.	Due to Drugs, etc.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
07.	Traumatic	3	....	3	1	....	1	2	....	2	....	....	....	....	....	....	....	....	....	....	....	....
08.	Cerebral Arteriosclerosis	23	2	25	14	....	14	8	2	10	1	....	1	....	....	....	....	....	....	....	....	....
09.	With other dis. of circ.	1	....	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
10.	With Epilepsy	33	8	41	27	6	33	4	2	6	1	....	1	....	....	....	1	....	1	....	....	....
11.	Senile	33	9	42	12	....	12	9	2	11	9	7	16	....	....	....	3	....	3	....	....	....
12.	Involutional	1	3	4	....	....	....	1	3	4	....	....	....	....	....	....	....	....	....	....	....	....
13.	Due to Other Met. Diseases	3	1	4	1	....	1	1	1	2	....	....	....	....	....	....	1	....	1	....	....	....
14.	Due to New Growth	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
15.	With Org. Changes Ner. Sys.	5	1	6	4	....	4	....	1	1	....	....	....	....	....	....	1	....	1	....	....	....
16.	Psychoneuroses	3	1	4	1	1	2	1	....	1	....	....	....	....	....	....	1	....	1	....	....	....
17.	Manic Depressive	49	26	75	17	4	21	25	21	46	5	....	5	2	....	2	....	1	1	....	....	....
18.	Schizophrenia	557	104	661	450	39	489	80	59	139	9	4	13	6	1	7	5	1	6	7	....	7
19.	Paranoia & Paranoid Cond.	64	5	69	33	2	33	27	....	27	....	1	1	1	1	2	3	1	4	....	....	....
20.	Psycho. Personality	1	....	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
21.	With Mental Deficiency	64	19	83	59	11	70	4	7	11	1	....	1	....	....	....	....	1	1	....	....	....
22.	Undiagnosed	7	2	9	5	....	5	1	1	2	....	1	1	....	....	....	1	....	1	....	....	....
23.	Without Psychoses:																					
	231	14	8	22	14	8	22	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	234	103	34	137	95	33	128	3	....	3	1	....	1	1	....	1	2	1	3	1	....	1
	235	1	....	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	236	3	....	3	2	....	2	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
	Total	1019	229	1248	756	105	861	198	103	301	27	14	41	10	2	12	20	5	25	8	....	8

TABLE No. 13

INCREASE OF PATIENTS DURING THE YEAR, BY PRINCIPAL PSYCHOSES

	Psychoses	Total			First Admission			Re-Admission			Transfer		
		M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01.	General Paresis	7	3	10	....	1	1	....	....	....	7	2	9
02.	With other forms of syphilis	....	....	....	....	....	....	....	....	....	....	....	....
03.	With Epidemic Encephalitis	....	....	....	....	....	....	....	....	....	....	....	....
04.	With other infectious Diseases	....	....	....	....	....	....	....	....	....	....	....	....
05.	Alcoholic	....	....	....	....	....	....	....	....	....	....	....	....
06.	Due to Drugs, etc.	....	....	....	....	....	....	....	....	....	....	....	....
07.	Traumatic	3	....	3	1	....	1	....	....	....	2	....	2
08.	Cerebral Arteriosclerosis	5	1	6	3	1	4	....	....	....	2	....	2
09.	With other Disturbances of Circ.	1	....	1	....	....	....	....	....	....	1	....	1
10.	With Epilepsy	5	1	6	....	....	....	....	....	....	5	1	6
11.	Senile	17	3	20	8	2	10	1	....	1	8	1	9
12.	Involutional	....	1	1	....	1	1	....	....	....	....	....	....
13.	Due to Other Metabolic Diseases	2	....	2	2	....	2	....	....	....	....	....	....
14.	Due to New Growth	....	....	....	....	....	....	....	....	....	....	....	....
15.	With Organic Changes of Ner. System	1	....	1	....	....	....	....	....	....	1	....	1
16.	Psychoneuroses	1	....	1	....	....	....	....	....	....	1	....	1
17.	Manic Depressive	14	3	17	4	....	4	2	2	4	8	1	9
18.	Schizophrenia	88	33	121	10	4	14	2	....	2	76	29	105
19.	Paranoia & Paranoid Conditions	5	....	5	....	....	....	....	....	....	5	....	5
20.	Psychopathic Personality	....	....	....	....	....	....	....	....	....	....	....	....
21.	With Mental Deficiency	13	3	16	2	....	2	1	....	1	10	3	13
22.	Undiagnosed	5	1	6	1	....	1	....	....	....	4	1	5
23.	Without Psychoses:												
	231	5	5	10	1	2	3	....	....	....	4	3	7
	234	16	9	25	7	5	12	3	....	3	6	4	10
	235	1	1	2	1	1	2	....	....	....	....	....	....
	236	2	....	2	2	....	2	....	....	....	....	....	....
	Total	191	64	255	52	17	59	9	2	11	140	45	185

TABLE No. 14

DECREASE OF PATIENTS DURING THE YEAR, BY PRINCIPAL PSYCHOSES

Psychoses	Total			Discharged									Transfer			Death		
				Recovered			Improved			Unimproved								
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
01. General Paresis	2	1	3	....	....	....	....	....	....	....	....	....	....	1	1	2	....	2
02. With other forms of syphilis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
03. With Epidemic Encephalitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
04. With other infectious Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
05. Alcoholic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
06. Due to Drugs, etc.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
07. Traumatic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
08. Cerebral Arteriosclerosis	6	....	6	1	....	1	....	....	....	....	....	....	....	....	....	5	....	5
09. With other Disturbances of Circ.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
10. With Epilepsy	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
11. Senile	17	2	19	....	....	....	....	....	....	1	1	2	....	....	....	16	1	17
12. Involutional	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13. Due to Other Metabolic Diseases	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1
14. Due to New Growth	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
15. With Organic Changes of Ner. System	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
16. Psychoneuroses	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
17. Manic Depressive	10	2	12	2	1	3	4	1	5	1	....	1	....	....	....	3	....	3
18. Schizophrenia	16	5	21	....	....	....	4	2	6	1	....	1	2	....	2	9	3	12
19. Paranoia & Paranoid Conditions	4	....	4	....	....	....	....	....	....	....	....	....	....	....	....	4	....	4
20. Psychopathic Personality	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
21. With Mental Deficiency	1	2	3	....	....	....	....	....	....	1	....	1	....	....	....	....	2	2
22. Undiagnosed	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
23. Without Psychoses:																		
231	2	1	3	....	....	....	1	....	1	....	....	....	1	1	2	....	....	....
234	2	2	4	....	....	....	....	....	....	1	....	1	....	2	2	1	....	1
235	1	1	2	....	....	....	1	....	1	....	....	....	....	1	1	....	....	....
236	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	62	16	78	3	1	4	10	3	13	5	1	6	3	5	8	41	6	47

TABLE No. 15

CAUSE OF DEATH, BY PRINCIPAL PSYCHOSES, WITH AGE AT DEATH AND DURATION OF HOSPITAL LIFE

Psychoses	Total M.	Total F.	Total T.	Cause of Death	Age Years	Hospital Life Years	Hospital Life Months	Hospital Life Days
01. General Paresis	2	....	2	Bronchopneumonia	68	8	....	....
				Coronary Occlusion	71	23	4	17
08. Cerebral Arteriosclerosis	5	....	5	Bronchopneumonia	76	....	....	28
				Chronic myocarditis	76	9	8	20
				Chronic myocarditis	63	1	9	....
				Pulmonary Embolism	80	1	2	11
				Pulmonary Tuberculosis	76	18	1	6
11. Senile	16	1	17	Acute infectious hepatitis	53	5	1	7
				Bronchopneumonia	86	9	10	13
				Bronchopneumonia	63	1	6	....
				Bronchopneumonia	72	1	6	....
				Bronchopneumonia	74	....	....	20
				Bronchopneumonia	88	2	8	....
				Bronchopneumonia (due to Cer. Hemorrhage)	71	....	8	8
				Bronchopneumonia (due to fracture R. femur)	67	1	4	17
				Bronchopneumonia (Terminal)	85	2	7	14
				Collulitis, R. arm	72	....	....	9
				Chronic myocarditis	74	8	11	15
				Chronic myocarditis	85	1	8	10
				Chronic myocarditis	85	....	10	6
				Coronary Occlusion	55	1	8	13
				Coronary Occlusion	78	....	2	20
				Coronary Occlusion	79	3	8	12
				Hypostatic pneumonia	76	....	4	....
13. Due to Other Metabolic Diseases	1	....	1	Bronchopneumonia	60	....	2	19
17. Manic Depressive	3	....	3	Coronary Occlusion	81	25	10	18
				Intestinal obstruction	58	27	1	20
				Pulmonary Embolism	71	14	10	....
18. Schizophrenia	9	3	12	Bronchopneumonia	22	2	....	18
				Bronchopneumonia	38	6	3	....
				Chronic myocarditis	73	30	8	22
				Coronary Occlusion	50	8	10	25
				Coronary Occlusion	76	31	7	6
				Duodenal Hemorrhage	59	5	1	24
				Generalized Peritonitis	59	33	11	18
				Generalized Peritonitis	49	11	6	16
				Hemorrhage infarction & thrombosis L. lung	69	35	5	10
				Hypostatic pneumonia	63	33	6	2
				Pulmonary Embolism	77	22	9	1
				Pulmonary Embolism	31	3	9	5
19. Paranoia & Paranoid Conditions	4	....	4	Bronchopneumonia	64	17	7	20
				Chronic myocarditis	76	17	....	18
				Coronary Occlusion	76	23	8	18
				Hypernephroma L. kidney	62	27	11	12
21. With Mental Deficiency	....	2	2	Pulmonary Tuberculosis	25	....	4	5
				Pulmonary Tuberculosis	32	5	7	22
23. Without Psychoses: 234	1	....	1	Pulmonary Tuberculosis	28	5	1	15
Total	41	6	47					

TABLE No. 16

RELIGION OF PATIENTS IN RESIDENCE

	Males	Females	Total
Baptists	28	4	32
Episcopalians	119	34	153
Jews	11	2	13
Presbyterians	86	14	100
Roman Catholics	256	58	314
United Church	88	21	109
Other Denominations	365	91	456
Unascertained	66	5	71
Total	1019	229	1248

TABLE No. 17

OCCUPATION OF PATIENTS IN RESIDENCE

	Males	Females	Total
Professional	4	4	8
Commercial	24	6	30
Agricultural	335	....	335
Mechanics, Outdoor	17	4	21
Mechanics	40	....	40
Domestic Service	5	149	154
Education	8	4	12
Miners, Engineers, Carpenters, Painters, etc.	71	1	72
Labourers	385	....	385
No Occupation	104	60	164
Unascertained	26	1	27
Total	1019	229	1248

EXPENDITURE AND REVENUE—ENDING MARCH 31st, 1946

Administration:		
Salaries		$ 8,971.89
Telephone and Telegraph		107.46
Travelling expenses		117.23
Printing, Stationery and Office Supplies		840.78
Postage		350.00
Advertising		704.30
		$ 11,091.66
Less Sundry Revenue		132.70
		$ 10,958.96
Professional Care of Patients:		
Salaries		$175,452.42
Hospital and Medical Supplies		4,752.62
Medical Services		195.00
Clothing		16,813.22
Travelling Expenses		264.49
Newspapers and Periodicals		36.12
Smokers' Supplies		4,712.41
Entertainment		372.83
Church Services		325.00
Burials		202.00
Cinema and Photographic Supplies		451.20
		$203,577.31
Less Sundry Revenue		143.87
		$203,433.44
Occupational Activities:		
Salaries		$ 2,830.06
Miscellaneous		143.08
		$ 2,973.14
Kitchen and Dining Room:		
Salaries		$ 10,232.33
Food		71,968.33
		$ 82,200.66
Add Vegetables from garden		4,070.21
		$ 86,270.87
Add Milk, Cream and Meat from Farm		15,432.43
		$101,703.30
Add Bran from Farm		27.50
		$101,730.80
Add Honey from Garden		51.20
		$101,782.00

Less Sundry Revenue		8,355.95
		$ 93,426.05
Less Groceries to Farm		797.72
		$ 92,628.33
General House:		
Salaries		$ 10,203.46
Repairs and Renewals to Equipment		311.38
Laundry and Cleaning		4,222.43
Sewing Room		41.32
Bedding and Linen		2,548.58
Crockery and Cutlery		1,696.81
Kitchen Equipment		177.20
Brooms, brushes, etc.		390.65
		$ 19,591.83
Less Sundry Revenue		1,745.83
		$ 17,846.00
Less Laundry (farm)		34.99
		$ 17,811.01
Transportation:		
Salaries		$ 1,621.00
Gasoline and Oil		406.25
Repairs and Renewals		678.53
Insurance		921.67
		$ 3,627.45
Gardens and Grounds:		
Salaries		$ 6,244.00
Plants, trees and seeds		63.05
Repairs to Equipment, etc		736.85
		$ 7,043.90
Less Sundry Revenue		588.30
		$ 6,455.60
Less Vegetables to Kitchen		4,070.21
		$ 2,385.39
Less Honey to Kitchen		51.20
		$ 2,334.19
Stores:		
Salaries		$ 2,790.24
Inventories:		
Stock on Hand—March 31st, 1945		$ 30,858.13
Stock on Hand—March 31st, 1946		26,770.13
		$ 4,088.00

Net Expenditure	Hospital Days	Cost per Patient per day
$340,644.76	424,308	80.2c

PROFIT AND LOSS STATEMENT

EXPENSE

Inventories March 31st, 1945:			
Live Stock	$15,715.00		
Stores	18,267.73		
		$33,982.73	
Inventories March 31st, 1946:			
Live Stock	$16,587.50		
Stores	13,934.78		
		$30,522.28	
			$ 3,460.45
Boarding House			888.96
Buildings and Fences			59.00
Drugs and Veterinary Supplies			284.55
Dairy Supplies			224.20
Expense Sundry			39.14
Freight and Express			4.41
Feed			1,236.08
Gas, Oil and Repairs			1,188.66
Hardware and Implements			862.89
Registrations			29.00
Seed			228.05
Twine			47.50
Wages			10,451.03
Depreciation (estimate)			500.00
Net Profit			15,118.94
			$ 34,622.86

REVENUE

Milk and Cream	$ 14,908.94
Livestock	13,703.56
Feed	26.73
Boarding House	870.00
Miscellaneous	562.25
Vegetables	4,551.38
	$ 34,622.86

STATISTICS

Milk Production	630,905 lbs.	Potato Production	366,825 lbs.
Pork	65,369 lbs.	Turnips	42,170 lbs.
Beef	22,532 lbs.	Beets	16,705 lbs.
Grain	2,800 bus.	Hay	45 tons
		Greenfeed	60 tons

PROVINCIAL TRAINING SCHOOL FOR MENTAL DEFECTIUES, RED DEER

Table 1

MOVEMENT OF FEEBLE-MINDED POPULATION

	Male	Female	Total
Defectives on books of Institution at January 1st, 1945: In the Provincial Training School, Red Deer, Alberta	142	131	273
ADMISSIONS:	Male	Female	Total
1. First admissions, voluntary	6	14	20
2. Re-admissions	1	....	1
3. Tranfers—P.M.H.	....	1	1
Total number of admissions	7	15	22
Total number of defectives on the books during 1945	149	146	295
OUTGOING:			
1. Paroles	3	13	16
2. Tranfers	....	1	1
3. Deaths	3	6	9
Total number of outgoing	6	20	26
Defectives on books of the instiution at Dec. 31, 1945	143	126	269

TABLE 2

RESPONSIBILITY FOR MAINTENANCE OF PATIENTS IN RESIDENCE, AT DECEMBER 31, 1945

	In Residence	Percentage
Wards of the Province of Alberta	22	8.2
Wards of the Municipal Districts of Alberta	204	75.8
Wards of the Department of Municipal Affairs of Alberta	33	12.3
Private cases in Residence	1	.4
Wards of the Department of Pensions and Health, Ottawa	4	1.5
Wards of the Dominion Government	3	1.1
Unascertained	2	.7
Total	269	

TABLE 3

MENTAL STATUS OF FIRST ADMISSIONS, RE-ADMISSIONS AND TRANSFERS

	First Admissions			Re-admissions			Total		
Mental Status	M.	F.	T.	M.	F.	T.	M.	F.	T.
Idiot	2	3	5	1	....	1	....	....	....	3	3	6
Imbecile	3	4	7	....	....	....	....	....	....	3	4	7
Moron	1	7	8	....	....	....	....	1	1	1	8	9
Totals	6	14	20	1	....	1	....	1	1	7	15	22

TABLE 4

NATIVITY OF ADMISSIONS, RE-ADMISSIONS AND OF PARENTS OF ADMISSIONS

	Patients			Parents Male Patients			Parents Female Patients		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Saskatchewan	....	1	1	....	....	....	2	1	3
British Columbia	....	2	2	....	....	....	....	1	1
Alberta	7	11	18	....	3	3	1	3	4
Manitoba	....	....	....	....	....	....	....	1	1
Ontario	....	....	....	2	1	3	3	1	4
Quebec	....	....	....	2	1	3	....	....	....
Canada	....	1	1	....	....	....	1	....	1
England	....	....	....	....	1	1	1	....	1
Germany	....	....	....	....	....	....	1	1	2
Scotland	....	....	....	....	....	....	....	3	3
Italy	....	....	....	....	....	....	1	....	1
Denmark	....	....	....	....	....	....	1	1	2
Norway	....	....	....	....	....	....	2	2	4
Poland	....	....	....	1	....	1	....	....	....
Ireland	....	....	....	1	....	1	....	....	....
Austria	....	....	....	1	1	2	....	....	....
Unascertained	....	....	....	....	....	....	2	1	3
Totals	7	15	22	7	7	14	15	15	30

TABLE 5a

AGE OF ADMISSIONS CLASSIFIED WITH REFERENCE TO MENTAL STATUS

	Idiot			Imbecile			Moron			Totals		
Age Group	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
0-5	....	....	....	1	....	1	....	....	....	1	....	1
5-9	....	1	1	1	1	2	....	....	....	1	2	3
10-14	1	....	1	....	1	1	1	6	7	2	7	9
15-19	1	1	2	1	1	2	....	2	2	2	4	6
20-24	1	1	2	....	1	1	....	....	....	1	2	3
Totals	3	3	6	3	4	7	1	8	9	7	15	22

TABLE 5b

AGE OF TOTAL POPULATION CLASSIFIED WITH REFERENCE TO MENTAL STATUS

	Idiot			Imbecile			Moron			Totals		
Age Group	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
0-4	....	....	....	1	....	1	....	....	....	1	....	1
5-9	7	8	15	8	4	12	23	3	6	18	15	33
10-14	12	3	15	11	5	16	10	12	22	33	20	53
15-19	10	8	18	14	12	26	9	10	19	33	30	63
20-24	10	5	15	19	7	26	3	7	10	32	19	51
25-29	2	7	9	4	6	10	2	3	5	8	16	24
30-34	4	7	11	2	6	8	1	2	3	7	15	22
35-39	3	2	5	3	8	11	1	....	1	7	10	17
40-44	....	2	2	....	1	1	1	....	1	1	3	4
45-49	....	....	....	1	....	1	....	....	....	1	....	1
Total	48	42	90	63	49	112	30	37	67	141	128	269

TABLE 6

ENVIRONMENT OF ADMISSIONS

	Idiot			Imbecile			Moron		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Rural	2	1	3	1	4	5	1	3	4
Urban	1	2	3	2	....	2	....	5	5
Totals	3	3	6	3	4	7	1	8	9

TABLE 7

RELIGION OF ADMISSIONS

	Idiot			Imbecile			Moron		
Denominations	M.	F.	T.	M.	F.	T.	M.	F.	T.
Presbyterian	1	....	1	....	....	....	....	....	....
United Church	....	....	....	....	1	1	....	2	2
Roman Catholic	1	1	2	1	....	1	....	....	....
Salvation Army	....	....	....	....	....	....	....	1	1
Ukranian	1	....	1	....	....	....	....	....	....
Lutheran	....	....	....	....	2	2	....	1	1
Church of God	....	....	....	....	....	....	1	....	1
Church of England	....	1	1	1	....	1	....	3	3
Unascertained	....	1	1	1	1	2	....	1	1
Totals	3	3	6	3	4	7	1	8	9

TABLE 8

ECONOMIC CONDITION OF FAMILIES OF ADMISSIONS CLASSIFIED WITH REFERENCE TO MENTAL STATUS

	Idiot			Imbecile			Moron		
Economic Condition	M.	F.	T.	M.	F.	T.	M.	F.	T.
Comfortable	....	1	1	....	....	....	....	....	....
Marginal	3	2	5	3	4	7	1	7	8
Dependent	....	....	....	....	....	....	....	....	....
Unknown	....	....	....	....	....	....	....	1	1
Totals	3	3	6	3	4	7	1	8	9

TABLE 9

OUTGOING PATIENTS CLASSIFIED WITH REFERENCE TO MENTAL STATUS AND CHRONOLOGICAL AGE

A—PAROLES

	Imbecile			Moron			Borderline			Years in
Age Group	M.	F.	T.	M.	F.	T.	M.	F.	T.	Residence
15-19	....	....	....	1	....	1	....	....	....	11/10
	....	....	....	1	....	1	....	....	....	3/1
	....	....	....	....	....	....	....	1	1	1/3
	....	....	....	....	1	1	....	....	....	3/9
	....	....	....	....	1	1	....	....	....	4/8
	....	....	....	....	1	1	....	....	....	3/1
	....	1	1	....	....	....	....	....	....	3/1
20-24	....	....	....	1	....	1	....	....	....	11/3
	....	....	....	....	1	1	....	....	....	14/10
	....	....	....	....	1	1	....	....	....	5/10
	....	....	....	....	1	1	....	....	....	5/4
	....	....	....	....	1	1	....	....	....	8/0
	....	....	....	....	1	1	....	....	....	4/1
	....	....	....	....	....	....	....	....	....	5/1
25-29	....	....	....	....	1	1	....	....	....	11/6
	....	....	....	....	1	1	....	....	....	12/2
Totals	....	2	2	3	10	13	....	1	1	108/8

OUTGOING PATIENTS CLASSIFIED WITH REFERENCE TO MENTAL STATUS AND CHRONOLOGICAL AGE

B—TRANSFERS

	Imbecile			Moron			Years in
Age Group	M.	F.	T.	M.	F.	T.	Residence
25-29	....	....	....	....	1	1	17/11
Total	....	....	....	....	1	1	17/11

OUTGOING PATIENTS CLASSIFIED WITH REFERENCE TO MENTAL STATUS AND CHRONOLOGICAL AGE

C—DEATHS

Cause	Age	Idiot M.	Idiot F.	Idiot T.	Imbecile M.	Imbecile F.	Imbecile T.	Borderline M.	Borderline F.	Borderline T.	Years in Residence
Status Epilepticus	5-9	....	1	1	....	....	....	....	....	....	2/11
	15-19	....	1	1	....	....	....	....	....	....	9/10
A-typical pneumonia	10-14	1	....	1	....	....	....	....	....	....	3/11
	15-19	....	1	1	....	....	....	....	....	....	13/8
Bronchopneumonia	20-24	....	1	1	....	....	....	....	....	....	0/4
	30-34	1	....	1	....	....	....	....	....	....	17/7
Epilepsy	30-34	....	1	1	....	....	....	....	....	....	18/2
Generalized-tuberculosis	20-24	....	....	....	....	1	1	....	....	....	8/8
Cerebral concussion and suffocation-epileptic fit	20-24	....	....	....	....	....	....	1	....	1	6/3
Total		2	5	7	....	1	1	1	....	1	80/6

TABLE 10

SOME OF THE TYPES IN RESIDENCE

Classification	Idiot M.	Idiot F.	Idiot T.	Imbecile M.	Imbecile F.	Imbecile T.	Moron M.	Moron F.	Moron T.	Total M.	Total F.	Total T.	Percentage
Infirmary Type:													
(a) Physically helpless	18	16	34	11	6	17	1	....	1	30	22	52	19.3
(b) Mentally helpless	27	16	43	15	5	20	2	....	2	44	21	65	24.2
M.D. and Epileptic	16	10	26	9	3	12	7	8	15	32	21	53	19.7
M.D. and Psychopathic	....	....	....	2	....	2	....	1	1	2	1	3	1.1
M.D. and Psychotic	....	1	1	....	1	1	....	....	....	....	2	2	.7
Mongols and Mongoloid	4	3	7	11	6	17	1	1	2	16	10	26	9.7
Totals	65	46	111	48	21	69	11	10	21	124	77	201	74.7

TABLE 11

APPLICATIONS AWAITING ADMISSION

Applications dated:	Male	Female	Total	Applications dated:	Male	Female	Total
1928 to 1935	6	9	15	1942	16	14	30
1936	1	2	3	1943	15	17	32
1937	3	....	3	1944	22	23	45
1938	3	3	6	1945	27	21	48
1939	5	8	13				
1940	10	8	18	Total	122	117	239
1941	14	12	26				

TABLE 12

KNOWN DEFECTIVES

	Male	Female	Total		Male	Female	Total
Reported 1929 to 1935	71	63	141	1942	25	17	43
Reported during 1936	18	8	26	1943	16	8	26
1937	18	15	33	1944	13	18	33
1938	16	15	32	1945	21	14	36
1939	15	19	34				
1940	14	12	26	Total	236	198	448
1941	9	9	18				

TABLE 13

EUGENICS SUMMARY

	Male	Female	Total
A.—TRAINING SCHOOL CASES:			
Presented and approved—P.T.S.	67	73	140
Presented and approved—Out-Patients	1	1	2
Totals	68	74	142
Operations	53	65	118
Paroled, Transferred, Etc	44	50	94
In Residence	9	15	24
B.—STERILIZED BEFORE ADMISSION	7	46	53
Paroled, Transferred, etc	3	29	32
In Residence	4	17	21
C.—TOTAL OF STERILIZED CASES	60	111	171
Total of Paroled, Transferred, etc.	47	79	126
In Residence	13	32	45

D.—PERCENTAGE OF POPULATION—16.39%.

TABLE 14

STAFF—DECEMBER 31, 1944

	Male	Female	Total
Medical Superintendent	1	....	1
Medical Assistant	....	1	1
Social Worker, Voluntary	....	....	....
Dentists	....	....	....
Teachers, Grade	....	1	1
Teachers, Sense Training	....	1	1
Occupational Therapist	....	1	1
Gym Instructress	....	1	1
Bursar	1	....	1
Stenographers	....	....	1
Clerks	1	....	1
Kitchen Staff	....	3	3
Dining Room Staff	....	4	4
Laundry Staff	....	4	4
Sewing Room Staff	....	2	2
Gardener	1	....	1
Farmer	1	....	1
Dairyman	1	....	1
Matron	....	1	1
Asst. Matron	....	....	....
Surgery Nurse	....	1	1
Night Supervisors	....	2	2
P.T.S. Gradute Nurses	1	6	7
Student Nurses	9	21	30
Farm Dormitory	2	1	3
Ward Maids	....	4	4
Boiler Room Staff, D.P.W.	6	....	6
Maintenance Staff, D.P.W.	3	....	3
Night Watchman, D.P.W.	1	....	1
Total	28	58	86

TABLE 15

SUMMARY OF ARTICLES MADE AND REPAIRED IN 1945

Articles	Quantity	Articles	Quantity
Aprons	82	Pillow Cases	303
Aprons, rubber	8	Shawl, Barber	1
Blouses	13	Slips	50
Gloomers	265	Skirts	1
Bibs	112	Shroud	4
Bags, Laundry	24	Shorts	62
Brassieres	69	Sun Suits	6
Coats, Attendant	8	Suit, Canvas	4
Covers, Ice Cap 2, Hot Water Bottle 2, Bed Pan 10, Dressing 24, Press 36, Ironing 4	84	Sleeves, Canvas	77
		Sheets	278
		Towels, Hand 197, Tea 234	431
Covers, Cushion 4, Pillow 4, Mattress 54	62	Table Centres	4
		Tie Strings	4
Chemises	196	Uniforms:	
Curtains	6	Nurses	98
Coveralls	133	Caps 45, Aprons 10, Bibs 10	65
Cloths, Strainer 50, Table 19, Tray 4, Mangle 1, Face 148	222	Dining Room	3
		Caps 5, Aprons 4, Collars 4, Cuffs 6, Head Pieces 4	23
Dresses	417	Vests, Canvas	2
Dresser Scarves	24	Miscellaneous	72
Jackets, Bed 424, Pneumonia 3	427		
Mats, Bath	8		
Napkins	249	Total number of articles made	4,106
Nightgowns	209	Total number of repairs	75,322

	1940	1941	1942	1943	1944
Manufactured	4,794	5,705	3,623	3,334	4,629
Repaired	57,531	58,255	69,151	59,151	69,310

TABLE 16

LAUNDRY

	1940	1941	1943	1944	1945
Articles Laundered	335,244	398,846	466,174	463,174	510,060

TABLE 17a

GARDEN PRODUCE FOR HOME CONSUMPTION

Product		1943	1944	1945
Beans	lbs.	2,040	2,470	1,350
Beets	lbs.	5,600	7,000	12,000
Carrots	lbs.	10,500	20,400	19,540
Cabbage	lbs.	7,200	8,000	7,650
Chard, Swiss	lbs.	2,810	3,000	3,500
Celery	lbs.	695	750	900
Cucumber	lbs.	150	210	.....
Cauliflower	lbs.	1,360	1,700	1,800
Lettuce	lbs.	1,790	1,877	2,000
Onions	lbs.	600	700	1,275
Potatoes	lbs.	84,000	142,000	124,025
Parsnips	lbs.	8,500	15,000	11,710
Peas	lbs.	2,780	2,640	1,500
Radish	lbs.	425	564	530
Rhubarb	lbs.	1,745	3,080	3,420
Spinach	lbs.	1,655	1,268	1,140
Turnips	lbs.	24,500	34,000	26,270
Vegetable Marrows	lbs.	1,425	1,000	.....

TABLE 17b

FARM PRODUCE FOR HOME CONSUMPTION

Produce		1943	1944	1945
Barley	bus.	1,150	900	984
Eggs	doz.	3,813	5,242	4,354
Green feed	bundles	2,694	17,100	14,500
Hay	tons	70	75	90
Milk	lbs.	163,043.9	195,402.6	262,550.5
Oats	bus.	2,252	4,569	4,004
Pork, dressed	lbs.	9,152	10,216	0,445
Poultry, dressed	lbs.	360	307	815
Turkey, dressed	lbs.	.....	276	.....
Wheat	bus.	595	704	.....

STATEMENT OF REVENUE AND EXPENDITURE

For the Year ended March 31, 1946

REVENUE

Patients' maintenance charges	$ 50,166.00
Less: Charges to indigent patients and uncollective charges	4,576.12
	$ 45,589.88

EXPENDITURE

		Cost per Patient Day
Administration	$ 9,620.87	$ .0946
Professional care of patients	62,111.73	.6106
Occupational activities	4,288.18	.0422
Kitchen and dining room	28,077.80	.2760
General house	10,801.11	.1052
Stores exepense	974.01	.0096
Farm, garden and grounds	Cr. 5,125.22	Cr. .0504
Upkeep of building and power house	35,185.76	.3459
	$146,444.27	$1.4397
Total Expenditure	$146,444.27	$1.4397
Cash collected	45,589.88	.....
Net cost to the Province	$100,854.39	$ .9915

Eugenics Board

(J. M. MacEachran, M.A., Ph.D., *Chairman*)

During the year 1945 the work of the Eugenics Board continued as usual. Six meetings were held at the Provincial Mental Hospital, Ponoka, and one at the Provincial Training School for Mental Defectives, Red Deer, on the following dates: January 20th, 1945 March 29th, 1945; June 14th 1945; September 11th, 1945; December 6th, 1945; December 6th, 1945 (at the Provincial Training School).

Presentations.

There were 55 males cases and 66 female cases presented to the Board during the year, making a total of 121 cases. Of these, 118 were passed and three deferred—one male case and two female cases. In addition, one male case and one female case were represented to the Board, and the previous decisions were upheld in both cases.

Of the new cases presented this year, 36 (nearly 30%) had been previously examined at one of the Guidance Clinics. This number included 24 female cases and 12 male cases.

Up to December, 1945, 2,187 cases have been presented to the Eugenics Board; 2,168 cases have been passed and 19 deferred.

METHODS OF DEALING WITH NEW CASES

MALE

*Passed clear for vasectomy	20
Passed for vasectomy, consent of patient required	29
Passed for vasectomy, consent of patient and parent	1
*Passed clear for orchidectomy	3
Passed clear with special instructions	1
Deferred	1
Total	55

FEMALE

Passed clear for salpingectomy	30
Passed for salpingectomy, consent of patient required	25
Passed for salpingectomy, consent of patient and parent	5
*Passed clear for oophorectomy	2
Passed clear with special instructions	2
Deferred	2
Total	66
Total male and female cases	131

*Passed clear—means consent not necessary, as in the case of mental defectives, or consent previously given in writing.

Operations.

During the year 1945, 18 operations were performed on males and 30 on females, making a total of 48 operations. Of these, 40 were passed by the Eugenics Board during the current year, and seven (one vasectomy and six salpingectomies) were passed previous to 1945.

In the cases of two men and two women, the more serious operations removing the glands was directed by the Board.

During the previous year, 40 operations were performed. Last year surgeons appointed by the Eugenics Board came to the Provincial Mental Hospital on 12 different occasions; this year on 17

occasions, which may account for the slight increase in the number of operations since last year. During the war years, the Medical Staff of the Provincial Mental Hospital was extremely limited, and it was necessary to curtail the number of eugenical operations performed there to a certain extent in view of staff shortages. It is hoped that this situation will change in the year 1946.

All the operations were performed by either Dr. J. W. Richardson of Calgary, or Dr. J. Ross Vant of Edmonton, at the Provincial Mental Hospital at Ponoka, with the exception of one, which was performed at a general hospital in Calgary by Dr. Richardson at the Board's direction.

In eight female cases the appendix was found to be diseased and was removed also.

Up to December 31, 1945, 1,005 sterilization operations have been done in the Province under the direction of the Eugenics Board—399 males and 606 females.

ANALYSIS OF OPERATIONS PERFORMED DURING 1945

Vascetomies (14 passed clear, one previous to 1945, and two passed subject to the consent of the patient)	16
Orchidectomies (all passed clear)	2
Salpingectomies (22 passed clear, 6 previous to 1945, four subject to the consent of the patient, and 2 with special instructions)	28
Oophorectomies (all passed clear)	2
Total	48

Follow-up Work.

Due to limited staff, it was again not possible to follow-up every case operated on. As soon as the Guidance Clinic staff increases, it is planned that this follow-up work will be resumed.

Visiting Board Work.

The Eugenics Board acted as a Visiting Board in September of this year, and made a tour of the Provincial Institutions. The Provincial Mental Institute at Oliver was visited on September 10th, the Provincial Mental Hospital at Ponoka on September 11th and 12th, the Provincial Training School at Red Deer on September 12th, the Central Alberta Sanatorium at Keith on September 13th, the Claresholm Auxiliary Mental Hospital on September 13th, and the Auxiliary Mental Hospital at Raymond on September 14th. A more detailed report of these visits has already been submitted.

The Eugenics Board wishes to take this opportunity once more to express thanks to Dr. R. R. MacLean, General Superintendent of Provincial Mental Institutions, to the staff of the Provincial Mental Hospital at Ponoka, to Dr. D. L. McCullough, Medical Superintendent of the Provincial Training School for Mental Defectives, Red Deer, and to his staff for the assistance and co-operation they have given at all times.

Miss Kathleen Colgrove continued as Acting Secretary to the Eugenics Board up to November of this year, when she left to be married. During the year, Mrs. A. M. James, stenographer for the Guidance Clinics, resigned, and her place has been taken by Miss Gladys Jones. Major E. J. Kibblewhite, Secretary of the Board, who has been with the Armed Forces for several years, has now returned to Canada. It is expected that he will be able to resume his work as secretary about the middle of next year (1946).

A tabular summary of the Eugenics Board work up to December, 1945, is attached.

CASES PRESENTED AND PASSED
(To December 31, 1945)

	Yearly Totals			Cumulative Totals		
	Male	Female	Totals	Male	Female	Totals
1929	1	3	4	1	3	4
1930	6	36	42	7	39	46
1931	25	63	88	32	102	134
1932	20	43	63	52	145	197
1933	35	56	91	87	201	288
1934	132	82	214	219	283	502
1935	123	97	220	342	380	722
1936	103	88	191	445	468	913
1937	115	87	202	560	555	1115
1938	84	84	168	644	639	1283
1939	104	74	178	748	713	1461
1940	53	61	114	801	774	1575
1941	67	50	117	868	824	1692
1942	47	51	98	915	875	1790
1943	67	63	130	982	938	1920
1944	56	73	129	1038	1011	2049
1945	55	66	121	1093	1077	2170

OPERATIONS ONLY
(To December 31, 1945)

	Yearly Totals			Cumulative Totals		
	Male	Female	Totals	Male	Female	Totals
1929	1	2	3	1	2	3
1930	6	30	36	7	32	39
1931	13	51	64	20	83	103
1932	15	34	49	35	117	152
1933	13	41	54	49	158	206
1934	46	59	105	94	217	311
1935	33	54	87	127	271	398
1936	36	42	78	163	313	476
1937	57	48	105	220	361	581
1938	26	37	63	246	398	644
1939	18	29	47	264	427	691
1940	14	23	37	278	450	728
1941	37	40	77	315	490	805
1942	24	28	52	339	518	857
1943	29	31	60	368	549	917
1944	13	27	40	381	576	957
1945	18	30	48	399	606	1005

Guidance Clinics

(R. R. MacLean, M.D., *Director*)

The work of the Guidance Clinics was continued during 1945 on a reduced scale, which has been necessary since the outbreak of war, due to a shortage of psychiatrists and social workers. Clinics at a number of centres—Lethbridge, Medicine Hat, Drumheller, High River, Didsbury and Peace River District—were gradually suspended, so that for the past few years there have been just seven clinic centres operating, and no new centres have been opened.

During the past year, because of a lack of suitable replacements for the social work staff of the clinics, it was necessary to close the clinic at Edmonton—the most active centre in the Province—from April to September, and the clinic at Calgary during November and December.

Two members of the Guidance Clinic staff, Major E. J. Kibblewhite and Miss I. Munroe, are still on leave-of-absence doing war work in England, and it is hoped that both will return to the clinic work. Both these people have gained valuable experience overseas which should be of considerable benefit to the work in Alberta when they return.

Miss Kathleene Colgrove continued the work of the Chief Psychiatric Social Worker, as in former years, dividing her time between the social work in connection with the Guidance Clinics in the south of the Province, and the psychological and Eugenics Board work at the Provincial Mental Hospital, Ponoka.

Miss Marjorie Thompson left the Edmonton Clinic in April to be married, and she was not replaced until September, when the services of Miss Elizabeth McCullough, a young graduate of the University of Alberta, were secured for a temporary period.

In August of this year, while on her holidays, Miss Colgrove attended a second post-graduate seminar in the Rorshach method of personality diagnosis, in Los Angeles, California. In November, Miss Colgrove left to be married. It is expected that she will return next year until such time as satisfactory arrangements can be made for a Chief Psychiatric Social Worker for the clinics.

At the beginning of the war there was a trained psychologist and chief social worker stationed at the Mental Hospital at Ponoka, and a trained social worker in both the Edmonton and Calgary centres. In addition to this, there was another member of the clinic staff on leave-of-absence to secure her Master of Arts degree. By the end of 1945, conditions were such that there was just one member of the Social Worker staff.

In addition to this, there has been a shortage of psychiatrists in the Mental Hygiene Division generally, and at times it has been extremely difficult to arrange for a psychiatrist to attend certain of the clinic centers.

This means that the immediate post-war period will be spent re-staffing the clinic service, and it may be some time before clinics can be re-opened even in the centres where the service has just been suspended.

Dr. Randall R. MacLean, Director of Clinics and General Superintendent of the Provincial Mental Institutions, and Dr. Thomas C. Michie, Assistant Superintendent of the Provincial Mental Hospital, attended all of the Calgary clinics. Dr. A. Ralph Schrag, Assistant Superintendent of the Provincial Mental Institute, Edmonton, attended the clinics in Edmonton and the surrounding district. Because of illness, Dr. D. L. McCullough, Medical Superintendent of the Provincial Training School, Red Deer, was unable to attend all the clinics in Red Deer and Stettler, and these clinics were taken by Dr. T. C. Michie, Assistant Superintendent, and Dr. J. M. Byers, Senior Medical Officer, of the Provincial Mental Hospital.

The total number of clinics held in 1945 was 60, which is seven less than last year. This number is lower than for any year in the past ten years.

The number of new cases examined was 253, which is 14 less than last year, but more than were examined in 1943.

The total number of follow-ups and interviews has again dropped —from 1,013 in 1943 to 972 in 1944, and now to 695 this year. This drop can be directly attributed to lack of staff, as each of the two major clinics was closed for a period during the year.

The case load total (new cases plus follow-ups) for this year was 948. Last year it was 1,239.

Since the Guidance Clinics were started in 1929, 5,493 new cases have been examined, and it is estimated that 1,867 of these have been mental defectives. (See Table 7a, attached.)

A more detailed report of the work at the various clinic centres follows:

(a)—*In the North of the Provinve.*

Edmonton.—Thirty-three half-day clinics were held in 1945, as compared with 37 in 1944. There were 113 new cases seen as compared with 135 in 1944. This decrease of 16% from 1944 is due in large measure to the fact that the Social Worker resigned in April, and the new worker did not come on the staff until September. This means that during this periol only six clinics were held, and these by Dr. Schrag unassisted, in July and August. The total number of follow-ups and interviews for 1945 was 290, a decrease of 37% from last year. The case load for this year was 403, as compared with 592 for 1944.

A considerable portion of the time on clinic days in the Edmonton center is devoted to psychotherapeutic, or treatment interviews. This, of course, reduces the amount of time which can be given to new cases. During 1945, 11 of the new cases examined were advised to return to the clinic for psychotherapeutic interviews. Of these, seven did return and four dropped their contact with the clinic. In addition, there were seven cases from former years who returned for psychotherapeutic interviews. Thus there was a case load total of 14 treatment cases during the year,, and the number of hours spent with these cases on clinic days was approximately 35.

Dr. A. Ralph Schrag, Assistant Superintendent of the Provincial Mental Institute, continued as the Psychiatrist in attendance at the Edmonton Clinic. Miss Marjorie Thompson, Social Worker, who has done excellent work in the Edmonton district, left in April to be married. It was impossible to secure anyone to replace her until September, when the services of Miss Elizabeth McCullough were secured. Miss McCullough is a graduate of the University of Alberta who plans to continue her studies in a year, so that she will be with the clinic for a temporary period only.

Lamont.—Three clinics were held at Lamont during 1945, and 16 new cases were examined. This is a considerable increase over the eight cases seen in 1944. The total case load was 19, as compard with 14 the previous year.

Edmonton Rural.—In April, 1945, the Sturgeon Health District and the Clover Bar Health District were amalgamated to form the Edmonton Rural Health District, with clinics being held once a month. Three such clinics were held, and these plus one Sturgeon and one Clover Bar clinic held in early spring, makes a total of five out-oftown clinics, as compared with six last year. There were 25 new cases seen. No follow-up work was done.

Last year the out-of-town clinics were held on Mondays, and the regular Edmonton Clinic cancelled for those days. Edmonton Rural Clinics are now held on Fridays, which it proving to be a more satisfactory arrangement.

Dr. A. R. Schrag of the Provincial Mental Institute, attended all the Lamont and Edmonton Rural Clinics.

(b)—*In the Center of the Province.*

Red Deer.—During the past year it was possible to arrange only two clinics at this centre owing to the illness of Dr. D. L. McCullough of Red Deer, and the absence of the Social Worker during the latter part of the year, so the work shows a corresponding drop. Seven new cases were examined, and four follow-ups were made, making a case load total of 11 for the year. Last year the case load total was 31.

The clinics were held in the Health Unit offices as in former years. We would like to express our appreciation to Mrs. Laura Humber, Mrs. Bernice Legg and their staff for the assistance they have given in the preparation of the clinics.

Dr. D. L. McCullough of the Provincial Training School at Red Deer attended one clinic, and Dr. J. M. Byers of Ponoka attended the other.

Stettler.—Only one clinic could be arranged at this centre during 1945. Two new cases were examined and there were three follow-ups, making a case load total of five.

Dr. T. C. Michie, of Ponoka, attended this clinic as Dr. McCullough, who usually attends, was ill. The clinic was held in the Health Unit, and the Health Unit staff made the appointments.

Ponoka.—No regular clinics were held during the year, but a limited number of individual cases was examined at the Provincial Mental Hospital, in addition to the regular hospital work. Eight such cases were seen, which is double the number examined last year.

(c)—*In the South of the Province.*

Calgary.—In 1945, there were 14 Guidance Clinics held in Calgary, which is one less than last year and four less than in 1943. There were 82 new cases examined, an increase over last year. The number of follow-up visits and interviews made during the year has dropped again. In 1943 there were 634, in 1944 there were 490, and this year there were only 395 made. The drop can be attributed to the fact that the Social Worker has spent more and more time away from the Calgary centre in the past few years. Also, the Calgary Clinic was closed for two months of the year, as the Social Worker was on leave-of-absence to be married.

We wish to take this opportunity to thank the officials of the Health Department in the City Hall, Calgary, for their continued assistance.

Dr. R. R. MacLean, Director of Clinics, attended eight Calgary clinics and Dr. T. C. Michie attended six.

Clinic work at the following centres has been discontinued because of war conditions and lack of staff as noted below:

Lethbridge.—No clinics have been held here since 1942.

Medicine Hat.—No clinics have been held since 1941.

Drumheller.—No clinics have been held since 1942.

High River.—Clinics at this centre have been cancelled since 1941.

Lidsbury.—No clinics have been held since 1941.

Peace River District.—The annual trip to this district has been discontinued since 1938.

A statistical analysis of the new cases examined this year and of certain parts of the work is appended. The tables are self-explanatory.

TABLE 1

SUMMARY OF NEW CASES EXAMINED AND FOLLOW-UP WORK

Place	No. of Clinics	New Cases	Follow-ups Interviews	Case Load Total	Total New Cases Since 1929
Edmonton	33*	113	290	403	1704
Calgary	14	82	395	477	1509
Lethbridge	....	....	....	....	627
Medicine Hat	....	....	....	....	545
Drumheller	....	....	....	....	127
High River	....	....	....	....	88
Lamont	3	16	3	19	155
Red Deer	2	7	4	11	131
Other Clinics	8	35	3	38	607
Totals	60	253	695	948	5493

*Half-day Clinics (others are full-day Clinics).

TABLE 2

AGE AND SEX CLASSIFICATION OF NEW CASES, 1945

Age Group	Edmonton			Calgary			Other Clinics			Totals			Percentages		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
0- 4	3	9	12	7	6	13	5	1	6	15	16	31	10.9	13.8	12.3
5- 9	13	4	17	14	5	19	15	7	22	42	16	58	30.7	13.8	22.9
10-14	17	13	30	9	9	18	14	3	17	40	25	65	29.2	21.6	25.7
15-19	8	9	17	2	10	12	4	1	5	14	20	34	10.2	17.2	13.4
20-24	4	2	6	1	3	4	....	2	2	5	7	12	3.6	6.0	4.7
25-29	7	3	10	....	2	2	1	....	1	8	5	13	5.8	11.2	5.1
30-34	1	1	2	1	2	3	....	....	....	2	3	5	1.5	4.3	2.0
35-39	....	7	7	....	1	1	....	....	....	....	8	8	....	6.9	3.2
40-44	....	2	2	1	1	2	....	1	1	1	4	5	.7	3.4	2.0
45-49	....	1	1	....	....	....	1	....	1	1	1	2	.7	.9	.8
50 and over	5	4	9	3	5	8	1	2	3	9	11	20	6.6	1.0	7.9
Age unknown	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Totals	58	55	113	38	44	82	41	17	58	137	116	253	99.9	100.1	100

M—Males, F—Females, T—Total.

TABLE 3

CLASSIFICATION OF NEW CLINIC CASES ACCORDING TO INTELLIGENCE QUOTIENTS—INTELLIGENCE QUOTIENTS OF 75 AND LESS

Intelligence Quotient	Edmonton			Calgary			Other Clinics			Totals		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
0-25	1	4	5	5	....	5	....	2	2	6	6	12
26-50	5	7	12	4	3	7	6	1	7	15	11	26
51-75	7	8	15	9	13	22	16	3	19	32	24	56
Undetermined	3	5	8	....	....	....	1	....	1	4	5	9
Total	16	24	40	18	16	34	23	6	29	57	46	103

TABLE 4a

CLASSIFICATION OF NEW CLINIC CASES—PRE-SCHOOL GROUP
(0-6 YEARS 11 MONTHS)

Nature of Case	Edmonton	Calgary	Lethbridge	Medicine Hat	Other Clinics	Totals
Examination and Report	2	....	....	....	1	3
Mental Deficiency:						
General Retardation	9	9	....	....	5	23
Epilepsy	1	1	....	....	....	2
Epilepsy	....	3	....	....	1	4
Other Conditions	5	7	....	....	1	13
Totals	17	20	....	....	8	45

TABLE 4b

CLASSIFICATION OF NEW CLINIC CASES—SCHOOL AGE GROUP
(7 YEARS 0 MONTHS-18 YEARS 11 MONTHS)

Nature of Case	Edmonton	Calgary	Other Clinics	Totals
Examination and Report	....	2	....	2
Mental Deficiency:				
General Retardation	20	17	21	58
Behaviour Problem	1	....	....	1
Sex Delinquency	1	2	....	3
Epilepsy	3	....	1	4
Physical Defect	1	....	....	1
Other Conditions	....	....	1	1
Backward in School	....	5	4	9
Behaviour Problem	19	4	....	23
Sex Delinquency	1	....	....	1
Epilepsy	....	....	2	2
Psychosis	....	1	....	1
Other Conditions	10	7	11	28
Totals	56	38	40	134

TABLE 4c

CLASSIFICATION OF NEW CLINIC CASES—ADULT GROUP
(OVER 19 YEARS 0 MONTHS)

Nature of Case	Edmonton	Calgary	Other Clinics	Totals
Examination Report	2	....	....	2
Mental Deficiency:				
General Retardation	4	5	1	10
Behaviour Problem	....	....	....	....
Sex Delinquency	....	....	....	....
Epilepsy	....	....	....	....
Physical Defects	....	....	....	....
Psychosis	....	....	....	....
Sex Delinquency	2	....	....	2
Epilepsy	1	3	2	6
Psychosis:				
Other than G.P.I.	10	5	3	18
Psychoneurosis	13	3	....	16
Arteriosclerosis	1	1	....	2
Other Conditions	7	7	4	18
Totals	40	24	10	74
Table 4a	17	20	8	45
Table 4b	56	38	40	134
Grand Totals	113	82	58	253

TABLE 5

AGENCIES REFERRING NEW CLINIC CASES, 1945

Agency	Edmonton	Calgary	Lethbridge	Medicine Hat	Other Clinics	Totals
School Officials and Teachers	3	11	....	....	....	14
Doctors, Medical Health Officers and Clinics	34	38	....	....	6	78
Provincial Child Welfare, Children's Aid, Juvenile Court	46	4	....	....	....	50
Police, Provincial Gaols, Courts	....	1	....	....	....	1
Homes (Mountview, Beulah, Kiwanis, Y.W.C.A., and Salvation Army)	2	8	....	....	....	10
Parents, Relatives, Friends	14	9	....	....	3	26
Relief Department	....	....	....	....	....	....
Provincial Health Department other than Child Welfare and Relief	1	1	....	....	....	2
Full-time Health Units	....	1	....	....	46	47
Self	3	....	....	....	1	4
Other Agencies, etc.	10	9	....	....	2	21
Totals	113	82	....	....	58	253

TABLE 6

MAJOR RECOMMENDATIONS MADE IN REGARD TO NEW CLINIC CASES, 1945

Major Recommendations	Edmonton	Calgary	Lethbridge	Medicine Hat	Other Clinics	Total
Admission to Provincial Mental Hospital or Provincial Mental Institute	8	9	....	....	....	17
Admission to Provincial Training School or other similar Institutions	17	10	....	....	2	29
Treatment by own Doctor or other Clinics	2	7	....	....	7	16
Treatment given, including direct treatment for Epilepsy	3	1	....	....	2	6
Continue Home, Institutional, or School life	14	18	....	....	11	43
Modified School Programme, Special Class, or Vocational Training	7	5	....	....	13	25
Change in Home Routine, Care, Discipline	5	10	....	....	7	22
More Social Contacts, wider interests, re-establishment of self-confidence	11	....	....	....	3	14
Return to Clinic, further examination	17	7	....	....	5	29
Placement under careful supervision	12	....	....	....	....	12
Other Recommendations	17	15	....	....	8	40
Totals	113	82	....	....	58	253

TABLE 7

SUMMARY OF WORK OF GUIDANCE CLINICS SINCE 1934

Year	No. of Clinics	New Cases	Follow-ups, Interviews	Total Case Load	Total New Cases,
1934	91	428	450	878	1770
1935	90	363	432	795	2133
1936	87	393	471	864	2526
1937	99	416	513	929	2942
1938	97	406	632	1038	3348
1939	95	403	1275	1678	3751
1940	94	356	1398	1754	4107
1941	88	344	1315	1659	4451
1942	70	310	1272	1582	4761
1943	64	212	1013	1225	4973
1944	67	267	972	1239	5240
1945	60	253	695	948	5493

Total New Cases from 1929 to 1934—1342.

TABLE 7a

SUMMARY OF NUMBER OF MENTAL DEFECTIVES EXAMINED BY YEARS

Year	I.Q.: 0 to 25 Probably Idiots		I.Q.: 26 to 50 Probably Imbeciles I.G.: 51 to 75 Probably Morons		I.Q. Unknown but Mental Deficiency Indicated		Totals			Percentage of New Cases	Cumulative Totals
	M.	F.	M.	F.	M.	F.	M.	F.	T.	32.0%	*683
1936	2	1	17	17	53	26	....	....	72	44	116	29.5%	799
1937	5	2	16	14	55	38	....	....	76	54	130	31.3%	929
1938	4	1	17	9	51	41	....	....	72	51	123	30.3%	1052
1939	5	3	19	24	46	46	....	....	70	73	143	35.5%	1195
1940	3	4	20	14	39	19	16	15	78	52	130	36.5%	1325
1941	3	2	23	16	43	25	13	8	82	51	133	38.7%	1458
1942	6	8	18	15	34	16	3	2	61	41	102	32.9%	1560
1943	6	12	17	11	15	14	3	7	41	44	85	40.1%	1645
1944	6	5	16	19	26	30	10	7	58	61	119	44.6%	1764
1945	6	6	15	11	32	24	4	5	57	46	103	40.7%	1867

*Estimated number of Mental Defectives examined previous to 1936 (32% of total new cases).

M—Males, F—Females, T—Totals.

Division of Tuberculosis Control

DR. A. H. BAKER, B.A., M.B., *Medical Superintendent and Director, Division of Tuberculosis Control.*

The twenty-fifth anniversary of the opening of the Central Alberta Sanatorium occurred on October 20th of this year. Anti-tuberculosis work in Alberta may be said to have been started in 1920 with the opening of the Sanatorium at Calgary. Previous to this time, some work was carried on by voluntary agencies, and the Federal Government operated for three years a small sanatorium at Frank for returned soldiers. Considerable progress has been made in these 25 years, as is shown by the following facts.

Treatment beds for tuberculosis have been increased from 180 to 500.

Diagnostic services which were limited in the early years have been extended until in 1945, 114,000 people in this Province received such services free from the Division of Tuberculosis.

A great change has taken place in treatment procedures. Whereas rest and food played the major part formerly, now well over half the patients receive, in addition to hygienic care, some form of collapse therapy through either minor or major surgical procedures.

Free treatment was provided in 1936, and in the same year 200 sanatorium beds were set aside in three Edmonton hospitals, and a full-time diagnostic clinic established.

The Alberta Tuberculosis Association has been formed, and through the sale of Christmas seals has provided two mobile X-ray units which have greatly speeded up the discovery of tuberculosis.

The tuberculosis death rate in Alberta has fallen in the last ten years from 42.2 per hundred thousand of population to 31.4.

Diagnostic and Follow-up Clinics.

These have been continued along the lines followed during the war years. Clinics have been operated at Central Alberta Sanatorium, the Calgary Health Department, and in the Edmonton General Hospital. X-ray services have been provided at many points in the Province. Tuberculin has been supplied for numerous services. Mobile X-ray units have visited 72 points. All told, over 114,000 residents of this Province have received services from this Division as compared with 69,848 in 1944.

The second mobile X-ray unit was purchased by the Alberta Tuberculosis Association. This unit includes a generator, so that the work can be carried on at points not served by usual power lines. Units one and two X-rayed 103,253 people during the year. Those classified as probably tuberculosis numbered 1,517, but a definite diagnosis is made only after further examination. While these two mobile X-ray units are owned by the Alberta Tuberculosis Association, they are loaned to the Division of Tuberculosis, Department of Health, which conducts the clinics and pays the operating ex-

penses, with assistance from the Alberta Tuberculosis Association in arranging clinics.

School surveys with tuberculin testing have been carried out in a number of districts by district and school nurses. Positive reactors have been X-rayed and films read.

SUMMARY—CLINICS AND SURVEYS
(Excluding Mobile Units)

	No. Sessions	New Cases T.B. Found: Pulmonary Active	Pulmonary Inactive	Non-Pulmonary Active	Non-Pulmonary Inactive	Total Exam. & Surveyed
Stationary Clinics	....	174	485	10	6	5111
Travelling Clinic	2	....	7	....	....	61
School Survey	15	....	....	....	....	2259
Other Surveys	1	....	....	....	....	54
Indian Surveys	10	52	67	....	....	2029
Mental Hospitals	....	4	3	....	....	1176
Cen. Alberta San. Staff	....	....	....	....	....	263
Total	....	230	562	10	6	10,953

CLASSIFICATION OF 931 NEW CLINIC CASES OF PULMONARY TUBERCULOSIS

Minimal	613 or 65.9%
Moderately Advanced	225 or 24.2%
Far Advanced	74 or 7.9%
Pleurisy	19 or 2 %
Active Tuberculosis	402 or 41.3%
Inactive Tuberculosis	529 or 54.6%

It is to be noted that with the more active search for tuberculosis the disease is being found in earlier stages. Many of these with a small amount of disease do not require sanatorium care, and it is expected that with supervision, prevention of total disability can be brought about.

Many of those found on X-ray examination to have either tuberculosis or suspected tuberculosis have been thoroughly checked at the clinics in Edmonton and Calgary. These X-ray examinations have also discovered other conditions such as tumors, silicosis, cardiac conditions and non-tuberculous lung diseases which, as in the case of tuberculosis, are reported to both the patient and the family doctor.

Examination of Contacts.

Our success in getting contacts of new cases has been only 50%. However, of those listed as contacts of cases of active tuberculosis, 64% have been examined. Not infrequently, a second member of the family or family group is found to have disease which requires treatment.

During the year 434 persons (exclusive of Indians) were advised to have sanatorium treatment and 392, or 90%, were admitted. Ten per cent failed to act on the advice given.

New Cases of Tuberculosis Reported.

From all sources the new cases reported numbered 1,056, as compared with 844 in 1944. This increase is considered due to greater diagnostic efforts than to any increase in the amount of disease in the general population. The sources of discovery are listed as follows:

	1944	%	1945	%
Clinics	580	68.7	682	64.6
Referred for admission by family doctor	49	5.7	109	10.3
School Surveys	...	...	...	...
Mental Hospitals	76	9.	7	.7
Indian Surveys	41	4.9	119	11.3
Referred by D.V.A. or as result of military examination	76	9.0	108	10.2
Provincial Laboratory	14	1.7	21	1.9
Other Sources	8	.9	10	.9
Total	844		1056	

SERVICES RENDERED TO HOSPITALS AND PHYSICIANS

(1)—Laboratory:

Sputum examinations	553
Urine examinations for tubercle bacilli	92
Guinea pigs inoculated	139

(2)—Tuberculin for Diagnostic Purposes:

Health Units and Clinics	12
Hospitals	13
Physicians	14

In addition to the above regular recipients, individual requests by doctors and nurses were met by sending old tuberculin and patch tests.

(3)—The Interpretation of X-ray Films:

X-ray films referred for examination and report numbered 3,537. These have come from practising physicians and from hospitals.

Work Among the Indians.

Surveys were carried out at 11 Indian Residential Schools. One school had two surveys. There were 1,364 individuals X-rayed. New cases of active tuberculosis numbered 52, and inactive cases 67.

A survey of non-school Indians was made on the Blood Reserve at Cardston. There were 665 examined, and 29 new cases of active tuberculosis and 46 new cases of inactive tuberculosis found.

The importance of giving proper sanatorium treatment and anti-tuberculosis care to the Indians is becoming more generally recognized. It is expected that in 1946 the Department of Indian Affairs will open a sanatorium in Edmonton for Indians. This advance, together with the development of a more efficient health service by the Federal Department, will undoubtedly result in reducing the incidence of tuberculosis among the Indians, among whom it is exceptionally high. Undoubtedly, improvement will be noted in the general provincial tuberculosis picture on account of this work.

Treatment.

Institutional.—Lack of staff has curtailed somewhat the amount of operative treatment given.

The number of those under treatment during 1945 who had some form of collapse therapy was 460, or approximately 58%.

(For details of operative procedures, please see Statistical Section.)

Out-patients.—Discharged pneumothorax patients receive free treatment at the Sanatorium and at six other points in the Province. Of the out-patients, 224 received 3,637 treatments.

Educational Work.

This has continued through the medium of the distribution of literature supplied by the Canadian Tuberculosis Association, radio talks and talks to various groups. Nurses in training in some hospitals receive a course of lectures, and in Edmonton medical students receive clinics from physicians of the Division.

ADMINISTRATIVE SECTION—Fiscal Year ending March 31, 1946

The gross operative cost of sanatoria was		$441,289.32
Revenue		71,385.25
Net operating cost to the province		$369,904.07
The gross cost per patient per day	$3.07	
The net cost per patient per day	$2.57	

Total number of patient days were 143,454, and the average period per patient was 268.5 days.

At Central Alberta Sanatorium the total meals served was 348,729, at an average food cost per meal of 17.5 cents.

COST OF CLINIC SERVICE

Treatment—pneumothorax out-patient		$ 2,940.00
Diagnostic	$ 7,101.26	
Mobile Unit	24,510.61	
		$31,611.87

The Alberta Tuberculosis Association.

This voluntary organization continues to make a very valuable contribution to the anti-tuberculosis work of the Province and to the health and general welfare of our population.

As already mentioned, but for the help of the Association it is doubtful if the X-ray diagnostic services would have been available to 103,000 people who passed through the mobile clinic last year. Much educational work has been carried out through the Press, over the air, and in addresses to numerous organizations by Mr. C. Robert Dickey, the Secretary.

It is this organization which is carrying on an effective and definite work of rehabilitation of tuberculous people. Many patients and ex-patients have been advised regarding occupations, have been trained for suitable work, and have been assisted financially in getting re-established in remunerative work.

The value of this service which is being provided by the Alberta Tuberculosis Association in its anti-tuberculosis campaign cannot be over-estimated. The Tuberculosis Division of the Provincial Department of Health is deeply indebted to the Alberta Tuberculosis Association and to its Secretary, Mr. Dickey, for the splendid help received and for the friendly spirit of co-operation which exists.

Future Plans.

Some of those outlined last year have been accomplished; others still remain to be accomplished.

1. It is hoped that work on the new sanatorium in Edmonton will soon be started.
2. Non-pulmonary tuberculosis is still not accepted for free treatment. The provisions of the Tuberculosis Act should be extended to this group as soon as possible.
3. Additions to the medical staff are most desirable if the full programme of diagnosis and treatment is to be carried out.
4. The scope of anti-tuberculosis work through full co-operation with the Alberta Tuberculosis Association and other voluntary agencies is to be increased when possible.
5. Provision for definite assistance to families whose financial support has been destroyed because of tuberculosis.

Acknowledgments.

The Annual Report would be incomplete without the expression of appreciation of the sympathetic attitude towards our work on the part of the Minister, the Honourable Dr. W. W. Cross, and Dr. M. R. Bow, Deputy Minister, of the Department of Public Health.

To the members of the medical staff and to all others on the staff, I wish to express my appreciation of their untiring efforts to carry on in spite of great difficulties.

We are again indebted to the Superintendents of the Edmonton General Hospital, the Royal Alexandra Hospital, and the University Hospital for maintaining a high standard of sanatorium care in the sections of the hospitals accommodating our tuberculosis patients.

There follows a brief resumé by Dr. Davison, who supervises the Edmonton Clinic and treatment in that city; also a statistical section which provides details of the work carried on by the Division of Tuberculosis.

EDMONTON SANATORIA

Dr. G. R. Davison

This is the tenth annual report since the Free Treatment for Tuberculosis Act was proclaimed and the Edmonton Branch of the Tuberculosis Division formed.

The exigencies of war have continued through 1945 to seriously interfere with all phases of tuberculosis work. The hospital authorities responsible for the Sanatorium Sections are to be commended for maintaining services.

The medical staff of the Tuberculosis Division was depleted for several months due to the resignation of Dr. N. J. Minish, who had been with us for four years. Dr. Minish is now associated with the Department of Anatomy, University of Alberta. Dr. C. B. Rich joined the staff for three months after discharge from the Royal Canadian Army Medical Corps before re-entering practice. Dr. Rich is also associated with the Medical Faculty of the University in the Department of Medicine.

The Chest Clinic in the Edmonton General Hospital has been able to carry on as in the previous war years. The number of people attending the clinic continues to increase. Undoubtedly much has been accomplished in the prevention and control of tuberculosis through this agency. Because of shortage of medical personnel, it has been impossible to hold any clinics in outlying centres.

The mobile X-ray unit operating from the office has given fairly satisfactory results, but it is felt that a full-time organizer is required to better round out this public health programme.

Our sincere thanks are again extended to the Edmonton Kinsmen Club for continuing to supply a public health nurse. This service operates under the direction of the Chest Clinic. The social service work carried on among the many families is of inestimable value.

Grateful recognition is due to all members of the clinic staff for the faithful performance of their duties and their loyal co-operation at all times.

Consideration of the mental needs of sanatorium patients is of prime importance. This work is being admirably handled by the Tuberculosis Division school teacher and by an occupational therapy teacher who is supplied by the Alberta Tuberculosis Association. The main objective of these programmes is the rehabilitation of the patients after discharge from sanatorium. Very grateful thanks are extended to the Alberta Tuberculosis Association for the assistance

they have rendered to ex-sanatorium patients by their rehabilitation loans.

Entertainments have been provided by several organizations throughout the year and very much enjoyed by all. Our thanks are also extended to the donors of books to our patients' library.

To the hospital authorities and staffs of the Edmonton General, Royal Alexandra and University of Alberta hospitals, the sincere thanks of this Division are extended for the services rendered in the respective hospitals.

EDMONTON GENERAL HOSPITAL

ENTERTAINMENTS—Welsh Choir, direction of Mr. Roberts; Kitchen Rythym Band. Mrs. Carter; Valentine Party, Jack Toulson, piano; Sgt. Herman, U.S. Army, magician; Knights of Columbus, movie; Hallowe'en party; Six card parties during year; Movies once a week, Mrs. Rae; Salvation Army.

DONATIONS AND GIFTS — I.O.D.E. Chapters, Library books, fruit, magazine subscriptions; War Services Council, magazines; Commanding Officer, U.S. Army, books; Mr. Berg, Yellowknife, gift money for Indian patients; Bonne Amies Club, Xmas gifts; Ukrainian Club, Xmas gifts; Teen Top Club of Y.W.C.A., Xmas gifts; Canadian Legion, gifts to veterans; Stagette Club, gifts to veterans; Mr. Kensit, money donation; Flowers from Horticulture Show.

UNIVERSITY HOSPITAL

DONATIONS AND GIFTS—Women's Auxiliary, books, fruit, Xmas presents; Red Cross, fruit, candy, cigarettes; Mrs. Walker, gift of pictures for recreation room.

ROYAL ALEXANDRA HOSPITAL

ENTERTAINMENTS—Valentine party, card party, Hallowe'en party, 4 Picnics, 6 picture shows.

DONATIONS AND GIFTS—Flowers, from Pentecostal Church, First Baptist Church; books, from Public Library and Tuberculosis Association; magazines, Dr. Bell and Dr. Mackay.

CENTRAL ALBERTA SANATORIUM

ENTERTAINMENTS—Red Cross Society, Xmas concert; Calgary Civic Theatres, concert; Elks Concert Party, concert; Catholic Young Peoples concert party, concert; Legion War Services, picture shows (twice monthly; Cribbage tournament, billiard tournament, croquet tournament, picture shows.

DONATIONS—Calgary Stampede, tickets; Camrose Legion, cheque; Calgary General Alumnae, Carnival Tickets and gifts; Holy Cross Alumnae, gifts; Ladies Auxiliary, Army and Navy Vets., Lethbridge, gifts; Olsen Benefit Club, Macleod, movie screen; Col. L. Scott, O.B.E., Xmas trees; Children's Hospital Aid, gifts; Red Cross Society, gifts; Salvation Army, gifts; Catholic Women's League, gifts; Anglican Women's Auxiliary, gifts; Lutheran Young People, gifts; Women's Institute, Red Deer, gifts; Steele Floral Co., gifts; Canadian Legion, gifts; C.G.I.T., Crescent Hts., gifts; Palace Bakery, gifts; McGavin's Bakery, gifts; Simmons Ltd., gifts; Kiwanis Club, gifts; Ontario Laundry, gifts; Sherwin Williams, gifts; Greyhound Bus Co., transportation; Mrs. Josephine Johnson, cheque; Mrs. Fraser, cheque; Nursing Mission, Lethbridge, gifts; Girls of Calgary Power Co., gifts; Leydens, gifts; Calgary Highlanders, gifts; Lakeside Social Workers, gifts; Sisters of Ste. Famille, gifts; Rotary Club, magazines; Alberta Tuberculosis Society, books.

CLINIC REPORT

Place	No. of Sessions	New Cases of T.B.				No. of Examinations		
		Pulmonary		Non-Pulmonary				
		Active	Inactive	Active	Inactive	New Exams.	Review Exams.	Total
STATIONARY CLINICS:								
Calgary	44	12	22	....	....	182	160	342
Central Alberta Sanatorium	51	46	132	1	1	732	717	1449
Drumheller	12	5	19	....	....	103	104	207
Edmonton	....	91	277	7	5	1315	1082	2397
Lethbridge	6	10	16	....	....	165	152	317
Medicine Hat	11	7	5	2	....	65	108	173
Red Deer	6	3	14	....	....	137	89	226
Total	....	174	485	10	6	2699	2412	5111
TRAVELLING CLINICS:								
Keg River	1	....	7	....	....	16	....	16
Pincher Creek	1	....	....	....	....	25	20	45
Total	2	....	7	....	....	41	20	61

TUBERCULIN SURVEYS BY PUBLIC HEALTH NURSES.

	No. Tested	X-rayed	New Cases
Foothills Health District	730	9	....
Kathryn	54	6	....
Strathmore	55	4	....
Rockyford	33	....	....
Swalwell	41	1	....
Beiseker	65	1	....
Carseland	17	....	....
Acme	24	....	....
Standard	28	....	....
Drumheller	67	7	....
Mt. Royal College, Calgary	208	26	....
Canadian Junior College, Lacombe	210	56	....
Normal School, Calgary	157	12	....
Stettler	223	....	....
Whitecourt	347	7	....
OTHER SURVEYS:			
Medicine Hat	....	54	....
Total	2259	183	....

	No. X-rayed		New Cases T.B.				
			Pulmonary		Non-Pulmonary		
INDIAN X-RAY SURVEYS:	School	Non-School	Active	Inactive	Active	Inactive	Total X-rayed
Blackfoot Indians, Gleichen (2 schools)	200	43	....	2	....	....	243
Blood Indians, Cardston (2 schools)	261	14	5	1	....	....	275
Blood Indian Reserve, Cardston	.....	665	29	46	....	....	665
Blue Quill School, St. Paul	140	....	4	3	....	....	140
Ermineskin School, Hobbema	155	8	5	3	....	....	163
Indian Residential School, Edmonton	107	....	2	....	....	....	107
Peigan Indians, Brocket (2 schools)	98	....	....	....	....	....	98
Stoney Indians, Morley (1 school)	93	17	1	....	....	....	110
Youville School, St. Albert	116	....	4	4	....	....	116
Youville School	112	....	2	8	....	....	112
	1282	747	52	67	....	....	2029

MENTAL HOSPITAL—PONOKA:	No. X-Rayed	New Cases of Tuberculosis Pul. Active	Pul. Inactive
Patients	720	2	2
Staff	456	2	1
Total	1176	4	3

MOBILE X-RAY UNIT, 1945

PLACE	No. X-rayed	Tuberculosis Probably		No. Advised Admission	No. Admitted	Further Exam. Advised
		Active	Inactive			
Arrowwood	344	....	3 (1 R)	....	....	3
Athabasca	1,949	1	28 (2 R)	....	....	5
Banff	1,092	9	16 (1 R)	....	....	25
Barrhead	1,713	....	27 (1 R)	....	....	11
Bassano	840	....	18 (1 R)	....	....	16
Beaverlodge	738	....	10 (1 R)	....	....	1
Bellevue	1,083	1 (1 R)	12	....	....	22
Berwyn	391	2	9 (2 R)	....	....	....
Blairmore	1,085	....	22 (3 R)	....	....	14
Brooks	1,436	3	9 (3 R)	1	1	16
Calgary Public	5,575	31 (3 R)	72 (15R)	5	5	125
Canmore	644	....	4	....	....	23
Camrose	3,458	5	32 (1 R)	3	2	9
Cardston	740	....	7 (3 R)	....	....	8
Castor	1,064	1	17	....	....	30
Central Alberta Sanatorium	16	....	....	....	....	....
Cherhill	326	1	5	1	....	2
Clyde	254	....	2	....	....	1
Coleman	1,762	2	18	....	....	21
Colinton	158	....	2 (1 R)	....	....	....
Coronation	1,442	9 (1 R)	18	1	1	17
Czar	634	1	4	....	....	....
Daysland	1,377	1	9	....	....	6
Duffield	480	1	13	1	....	4
Eckville	1,176	1	15 (3 R)	....	....	21
Edmonton	27,942	25 (1 R)	417 (30R)	10	7	117
Exshaw	190	....	....	....	....	6
Fairview	1,218	2	18 (1 R)	....	....	....
Gleichen	522	....	3	....	....	2
Grande Prairie	1,861	3	31 (4 R)	2	1	6
Hardisty	315	....	1	....	....	....
High Prairie	1,449	1	13 (3 R)	....	....	....
Hythe	960	4	10	....	....	....
Innisfail	1,412	4	16 (1 R)	1	1	29
Killam	524	....	11	....	....	4
Kinuso	501	8 (1 R)	15	6	2	3
Blackfoot Indians	243	5 (3 R)	8 (2 R)	....	....	5
Blood Indians	665	33 (6 R)	44 (2 R)	....	....	7
Lacombe	2,270	9 (2 R)	21 (3 R)	3	3	21
Legal	423	....	1	....	....	4
Lethbridge	3,429	7 (1 R)	53 (9 R)	3	2	48
Lougheed	487	1	5	....	....	2
Mayerthorpe	425	1	8	1	....	3
Macleod	1,133	....	10 (2 R)	....	....	17
Medicine Hat	6,339	12 (3 R)	60 (14R)	....	....	53
Morinville	334	1	2	1	....	1
Maclennan	741	2	17 (3 R)	....	....	4
Mount Royal College (Calgary)	248	....	2	....	....	....
North Star	358	....	2	....	....	....
Notikewin	36	....	4	....	....	....
Onoway	813	....	12 (1 R)	....	....	10
Peace River	919	4	23	3	1	3
Provost	1,309	2	24	1	1	2
Red Deer	2,000	2	23 (2 R)	1	1	46
Rimbey	586	2	5	2	2	5
Rochester	238	....	....	....	....	....
Rocky Mountain House	936	3	18 (4 R)	3	3	15
Rycroft	784	....	15 (2 R)	....	....	2
Sangudo	404	....	5	....	....	2
Sedgewick	530	....	6	....	....	1
Sexsmith	922	2 (1 R)	15 (2 R)	....	....	4
Slave Lake	335	15 (2 R)	9 (1 R)	14	8	4
Smith	270	3	....	....	....	1
St. Albert	624	3	25 (7 R)	2	....	2
Stettler	1,984	4	28	....	....	28
Stony Plain	886	....	18 (1 R)	....	....	3
Strathmore	1,050	4	13 (2 R)	1	1	13
Strome	319	....	10	....	....	....
Sylvan Lake	803	2	14 (2 R)	....	....	20
Vimy	206	....	3	....	....	....
Westlock	1,423	....	11	....	....	1
Wetaskiwin	2,110	1	24 (1 R)	1	....	5
	103,253	231 (25R)	1449(138R)	67	42	880

NOTE: "R"—Review. Previously on our records.

Tuberculosis cases discovered by mobile unit are only considered as probable cases of tuberculosis unless further examination establishes the diagnosis.

STATISTICAL SECTION

	Central Alberta Sanatorium	Edmonton General Hospital	Royal Alexandra Hospital	University Hospital	Total
Patients under treatment Jan. 1, 1945	199	136	33	18	386
Patients admitted, 1945	206	146	27	21	400
Patients treated	405	282	60	39	786
Discharged and died	187	172	22	19	400
	218	110	38	20	386
Transferred in	2	11	2	6	.....
	220	121	40	26	.....
Transferred out	4	8	5	4	.....
Remaining under treatment Dec. 31, 1945	216	113	35	22	386
Patient days	75,653	47,866	12,483	7,349	143,351

DIAGONSIS ON ADMISSION OF 400 PATIENTS ADMITTED DURING 1945

	Central Alberta Sanatorium	Edmonton Sanatoria	Total
No disease	2	2	4
For Diagnosis	2	6	8
Non-Tuberculous	10	9	19
Tuberculosis, Inactive	5	3	8
Childhood Tuberculosis	2	2	4
Tuberculous Pleurisy	8	11	19
Non-Pulmonary Tuberculosis	2	3	5
Pulmonary Tuberculosis:			
Minimal	45	41	86
Moderately advanced	72	73	145
Far advanced	58	44	102
	206	194	400
No. with sputum positive on admission	100	71	171
Sputum positive later	7	1	8
Sputum persistently negative	99	122	221
	206	194	400
Of the above noted re-admissions were	27	32	59

OPERATING ROOM REPORTS

	Central Alberta Sanatorium	Edmonton General Hospital	Royal Alexandra Hospital	University Hospital	Total
SUMMARY OF PNEUMOTHORAX CASES:					
Under treatment Jan. 1, 1945	144	102	20	9	275
New cases (Initial)	59	36	2	4	101
Cases under treatment admitted and carried on	24	18	4	11	57
	227	156	26	24	433
Cases discontinued	72	60	9	9	150
Under treatment at end of year	155	96	17	15	283
Unsuccessfully attempted	16	17	....	....	33
PNEUMOTHORAX REFILLS:					
Resident patients	4,147	2,279	347	333	7,106
Out-Patients	1,534	1,279	140	92	3,045
Total	5,681	3,558	487	425	10,151
THORACOPLASTIES:					
1st Stage	13				13
2nd Stage	10				10
3rd Stage	9				9
4th Stage	4				4
5th Stage	2				2
7th Stage	1				1
(14 cases)	39				39
Pneumolysis	32				32
Phrenicopraxis:					
Successful	21				21
Unsuccessful	2				2
Intravenous injections	317	102	....	....	419
Intramuscular injections	110	....	....	....	110
Aspirations from pleural space	618	78	1	....	697
Other aspirations	47	13	....	....	60
Plaster Shells	4	1	....	....	5
Plaster Casts	1	2	....	....	3
Bronchoscopic Examination	6	2	....	....	8
Lipiodol in Chest	2	....	....	....	2
Pelvic Examination	4	....	....	....	4
Cystoscopic Examination	....	....	....	1	1
Thyroidectomy	....	....	....	1	1
Spinal Punctures	5	4	....	....	9
Basal Metabolism	7	5	....	....	12
Blood Transfusions	1	1	....	....	2
Blood Plasma	7	....	....	....	7
Vital Capacity	8	2	....	....	10
Electrocardiagraphs	....	....	....	1	1
Sinus Irrigation	....	2	....	....	2
Incision and drainage of abscess	2	....	....	....	2
Skin Suture	1	....	....	....	1
Excision of Cyst	2	....	....	....	2
Removal of Pressure Packing	1	....	....	....	1
Transparent Muscle	1	....	....	....	1
Monaldi drainage	1	....	....	....	1
Extraction of Incisor	2	....	....	....	2
Introduction of Intra-pleural trocar	2	....	....	....	2
Intracavitary pressure checked	1	....	....	....	1

X-RAY REPORT

	Central Alberta Sanatorium	Edmonton General Hospital	Royal Alexandra Hospital	University Hospital	Total
RADIOGRAPHS MADE:					
Thorax	2,664	753	195	154	3,766
Spine	32	18	....	....	50
Abdomen	5	3	1	....	9
Pelvis	9	3	1	....	13
Knee	6	5	....	....	11
Skull	3	....	....	....	3
Sinuses	9	2	....	1	12
Teeth	14	8	2	....	24
Pyelogram	6	4	....	2	12
Shoulder	6	1	....	....	7
Elbow	3	....	....	....	3
Wrist	8	1	....	....	9
Hand	5	1	....	....	6
Femur	1	....	....	....	1
Foot	3	4	....	....	7
Leg	....	1	....	....	1
Ribs	....	1	....	....	1
Kidney	6	....	1	1	8
Colon	2	....	....	1	3
Gall Bladder	1	....	....	....	1
G. I. Tract	15	....	....	....	15
Bronchograph	1	....	....	....	1
	2,799	805	200	159	3,963
FLUOROSCOPIC EXAMINATION:					
Gas Cases	6,191	3,699	525	411	10,826
G. I. Tract	15	13	2	1	31
Colon	2	....	....	....	2
	6,208	3,712	527	412	10,859
Films referred for Interpretation	1,270	2,267	....	....	3,537

LABORATORY REPORTS

Sputum Examinations:					
Positive	1,084	621	227	110	2,042
Negative	2,515	809	439	187	3,950
Urine Examinations	2,334	416	1,451	515	4,716
Blood Examinations:					
Blood Counts	470	185	33	24	712
Sedimentations	660	583	114	90	1,447
Blood Sugar	7	24	3	....	34
Examination of Fluid	122	22	....	....	144
Gastric Analysis	5	13	2	2	22
Cultures	15	24	....	....	39
Other Examinations	227	15	....	....	242
Guinea Pig Inoculation	153	100	....	....	253
Wasserman Reports:					
Positive	2	3	....	....	5
Negative	187	138	25	17	367

HELIOTHERAPY REPORT

Patients treated	39	10	....	....	49
Number of treatments	2,802	65	....	....	2,867

DENTAL REPORT

Patients examined	199	156	67	....	422
Prophylactic Treatments	38	18	13	....	69
Number of Fillings	181	168	90	....	439
Number of Extractions	67	45	23	....	135
Number of Dentures	5	4	5	....	14
Dentures Repaired and Adjusted	5	....	....	....	5
Number of Bridges	1	1	1	....	3

I.—CLASSIFICATION OF DISCHARGED PATIENTS:

	On Admission. No.	Residence 31 days or less	Residence Over 31 days	On Discharge A.	AA.	Q.	I.	U.	D
I. No Disease	6	5	1	....	....	....	1	....	....
II. Observation	7	....	7	....	....	....	7	....	....
III. Non-Tuberculous	21	13	8	....	....	....	5	2	1
IV. Tuberculosis, Inactive	8	6	2	....	....	....	....	2	....
	42	24	18	....	....	....	13	4	1
V. Childhood Tuberculosis	9	2	7	....	1	....	6	....	....
VI. Adult Type Tuberculosis:									
Pulmonary Clinical:									
Minimal	73	7	66	....	....	20	44	1	1
Mod. Advanced	66	13	53	....	....	15	32	5	1
Far Advanced	5	1	4	....	....	....	....	1	3
Pulmonary Positive:									
Minimal	7	....	7	....	....	5	2	....	....
Mod. Advanced	73	3	70	....	....	15	40	5	10
Far Advanced	108	10	98	....	1	19	31	6	41
VII. Tuberculous Pleurisy	13	1	12	....	....	6	6	....	....
VIII. Non-Pulmonary Tuberculosis	4	1	3	....	....	....	2	....	1
Total Tuberculous	358	38	320	....	1	80	163	18	57
Total Treated	....	....	338	....	2	80	176	22	58
Total "Untreated"	....	62	....	....	3	1	17	34	7
Grand Total	400	62	338	....	5	81	193	56	65

Explanation of Abbreviations and Terms used: The standard of classification is that of the National Tuberculosis Association. "Minimal", "Moderately Advanced" and "Far Advanced" refer to anatomical extent of disease. "A" Arrested, "AA" Apparently Arrested, "Q" Quiescent, "I" Improved, "U" Unimproved, and "D" Died.

NOTE: Only those in residence over 31 days are classed as "Treated".

II.—CLASSIFICATION ON ADMISSION OF 400 DISCHARGED PATIENTS:

	Central Alberta Sanatorium	Edmonton Sanatoria	Total
No Disease	2	4	6
Observation	....	7	7
Non-Tuberculous	14	7	21
Tuberculosis, Inactive	8	....	8
Childhood Tuberculosis	3	6	9
Pulmonary Tuberculosis, Active	149	183	332
Tuberculous Pleurisy	11	2	13
Non-Pulmonary Tuberculosis	....	4	4
	187	213	400

III.—DIAGNOSIS ON DISCHARGE OF 42 NON-TUBERCULOUS AND INACTIVE CASES:

	Central Alberta Sanatorium	Edmonton Sanatoria	Total
No Disease	2	4	6
Abscess(Lung)	1	1	2
Carcinoma	1	1	2
Bronchiectasis	....	2	2
Carditis	1	1	2
Cystic Lung	1	....	1
Empyema	2	1	3
Debility	1	....	1
Fungus Infection	1	....	1
Pleurisy	2	....	2
Pneumonitis	1	1	2
Respiratory Infection	1	....	1
Silicosis	2	1	3
Spontaneous Pneumothorax	....	1	1
Tuberculosis, Inactive	8	5	13
	24	18	42

IV.—CLASSIFICATION ON DISCHARGE OF 320 "TREATED" CASES OF ACTIVE TUBERCULOSIS AND TUBERCULOUS PLEURISY:

On Admission:	Number	On Discharge Improved	Not Improved	Died
Minimal	73	71	1	1
Moderately Advanced	123	102	10	11
Far Advanced	102	51	7	44
Childhood Tuberculosis	7	7	....	....
Non-Pulmonary Tuberculosis	3	2	....	1
Tuberculosis Pleurisy	12	12	....	....
	320	245	18	57

	Central Alberta Sanatorium	Edmonton Sanatoria	Total
V.—SEX:			
Male	101	119	220
Female	86	94	180
	187	213	400
VI.—SOCIAL STATUS:			
Single	87	116	203
Married	96	87	183
Widowed	4	8	12
Divorced or Separated	....	2	2
	187	213	400
VII.—RELIGION:			
Baptist	8	8	16
Christian Scientist	1	....	1
Church of Christ	2	....	2
Church of England	38	24	62
Christodelphian	....	1	1
Confucian	1	....	1
Doukhobor	1	....	1
Greek Catholic	1	13	14
Greek Orthodox	1	16	17
I.F.C. of America	1	....	1
Jewish	1	....	1
Latter Day Saints	3	....	3
Lutheran	18	19	37
Methodist	....	1	1
Mennonite	4	1	5
Pentecostal	1	1	2
Presbyterian	15	5	20
Roman Catholic	36	88	124
Seventh Day Adventist	2	1	3
United	41	35	76
Undenominational	12	....	12
	187	213	400
VIII.—AGE ON ADMISSION:			
From 1 to 9 years	1	4	5
From 10 to 14 years	4	15	19
From 15 to 19 years	13	30	43
From 20 to 29 years	84	70	154
From 30 to 39 years	37	34	71
From 40 to 49 years	19	31	50
From 50 to 59 years	21	18	39
From 60 to 69 years	7	10	17
From 70 to 79 years	1	1	2
	187	213	400
IX.—NATIVITY:			
Alberta	81	120	201
Canada (other Provinces)	43	30	73
Australia	2	....	2
Austria	....	4	4
Belgium	1	....	1
China	2	1	3
Czecho-Slovakia	1	1	2
England	10	4	14
Finland	2	....	2
France	....	2	2
Germany	2	1	3
Greece	....	1	1
Hungary	5	1	6
Ireland	....	4	4
Italy	....	1	1
Jugo Slavia	....	1	1
Norway	4	3	7
North West Territories	....	1	1
Panama	1	....	1
Poland	2	16	18
Russia	7	4	11
Scotland	8	2	10
Sweden	2	4	6
United States	13	8	21
Nkraine	1	4	5
	187	213	400

X.—LENGTH OF RESIDENCE IN ALBERTA:

	Central Alberta Sanatorium	Edmonton Sanatoria	Total
Life	73	116	189
One year or less	7	5	12
One to five years	10	5	15
Six to nine years	7	6	13
Ten to fourteen years	15	10	25
Fifteen to nineteen years	26	26	52
Twenty to thirty years	30	24	54
Over thirty years	19	21	40
	187	213	400

XI.—RACIAL ORIGIN:

Austrian	1	3	4
Belgian	1	....	1
Chinese	3	3	6
Czech	1	1	2
Danish	2	1	3
Dutch	7	3	10
English	47	19	66
French	9	8	17
Finnish	3	1	4
Greek	....	1	1
German	11	6	17
Hebrew	1	....	1
Hungarian	5	1	6
Icelandic	1	1	2
Indian	3	15	18
Irish	17	20	37
Italian	1	2	3
Lithuanian	2	....	2
Metis	1	42	43
Norwegian	7	8	15
Negro	1	2	3
Polish	6	12	18
Roumanian	....	1	1
Russian	7	6	13
Scottish	35	17	52
Slovak	1	1	2
Swedish	6	8	14
Ukrainian	4	28	32
Welsh	3	1	4
Unknown	1	2	3
	187	213	400

XII.—OCCUPATIONS—MEN:

Agent	1	....	1
Accountant	2	....	2
Baker	....	1	1
Baggage Man	1	....	1
Blindstand Operator	....	1	1
Bus Driver	1	....	1
Butcher	1	1	2
Carpenter	1	5	6
Clerical Worker	6	4	10
Collector	1	....	1
Cook	....	2	2
Dispatcher	1	1	2
Doctor	1	....	1
Dyer	1	....	1
Electrician	3	....	3
Engineer	2	....	2
Farmer	22	32	54
Fisherman	1	....	1
Foreman	1	....	1
Hairdresser	1	....	1
Hotel Clerk	1	....	1
Hospital Orderly	3	....	3
Labourer	9	13	22
Laundryman	1	....	1
Locksmith	1	....	1
Lumberman	1	2	3
Machinist	1	....	1
Mechanic	5	....	5
Manager	1	1	2
Mail Clerk	2	....	2
Miller	2	....	2
Miner	4	5	9
Priest	....	1	1
Plasterer	1	....	1
Pipe Fitter	....	1	1
Retired	....	1	1
Sales Clerk	2	....	2
Salesman	1	....	1
Sawyer	3	....	3
Shipper	1	....	1
Stockkeeper	1	....	1

	Central Alberta Sanatorium	Edmonton Sanatoria	Total
Student	9	16	25
Storekeeper	1	....	1
Teacher	....	1	1
Trapper	....	1	1
Trader	....	1	1
Telegrapher	1	1	2
Truck Driver	....	1	1
Trainman	1	2	3
Waiter	2	....	2
At Home	....	4	4
Air Force	....	3	3
Army	....	17	17
Navy	....	1	1
	101	119	220

XIII.—OCCUPATIONS—WOMEN:

Army	....	2	2
Cashier	1	1	2
Clerical Worker	4	1	5
Dressmaker	....	1	1
Hairdresser	1	....	1
Hospital Assistant	4	....	4
Housewife	49	37	86
Housework	2	6	8
Nurse-in-Training	4	....	4
Nurse (trained)	2	3	5
Sales Clerk	3	....	3
Stenographer	4	6	10
Student	6	19	25
Teacher	....	1	1
Waitress	....	4	4
War Factory Worker	3	2	5
At Home	3	11	14
	86	94	180

XIV.—RESIDENCE OF DISCHARGED PATIENTS:

CITIES:

Calgary	55	1	56
Edmonton	8	68	76
Drumheller	6	....	6
Lethbridge	9	....	9
Medicine Hat	6	....	6
Red Deer	....	1	1
Wetaskiwin	....	1	1
	84	71	155

TOWNS:

Bassano	1	....	1
Beverley	1	....	1
Blairmore	1	....	1
Brooks	1	....	1
Camrose	1	2	3
Cardston	1	....	1
Coleman	2	....	2
Granum	1	....	1
High River	4	....	4
Lacombe	2	....	2
Leduc	....	1	1
Lloydminster	....	1	1
Nanton	1	....	1
Olds	2	....	2
Peace River	....	3	3
Ponoka	4	3	7
Redcliff	2	....	2
Rocky Mountain House	1	....	1
St. Albert	....	1	1
Tofield	....	1	1
Vegreville	....	2	2
	25	14	39

VILLAGES:

Andrew	....	2	2
Barrhead	....	1	1
Bashaw	....	1	1
Bellis	....	1	1
Bonnyville	....	1	1
Bruderheim	....	1	1
Clive	1	....	1
Edgerton	....	1	1
Elnora	1	....	1
Forestburg	....	1	1
Grimshaw	....	1	1

	Central Alberta Sanatorium	Edmonton Sanatoria	Total
Lamont	....	1	1
Legal	....	1	1
Minburn	....	1	1
Morinville	....	1	1
New Norway	....	1	1
St. Paul	....	1	1
Sylvan Lake	....	1	1
Two Hills	....	1	1
Viking	....	2	2
Vilna	....	1	1
Westlock	....	1	1
	2	22	24
INDIANS:			
Cardston	1	....	1
Gleichen	2	....	2
Chipewyan	....	1	1
Duffield	....	1	1
Edmonton	....	1	1
Hobbema	....	6	6
Lac Ste. Anne	....	2	2
Whitefish Lake	....	1	1
Winterburn	....	2	2
Villeneuve	....	1	1
	3	15	18
Non-Residents	8	1	9
ENLARGED MUNICIPAL DISTRICTS:			
No.			
1	1	....	1
5	1	....	1
9	2	....	2
10	2	....	2
14	1	....	1
15	3	....	3
21	1	....	1
22	2	....	2
25	1	....	1
28	2	....	2
29	1	....	1
30	1	....	1
39	1	....	1
40	2	....	2
42	8	....	8
44	2	....	2
46	4	....	4
48	1	....	1
49	4	1	5
50	1	....	1
52	....	1	1
54	....	1	1
55	3	....	3
63	1	3	4
64	2	....	2
65	3	....	3
71	....	8	8
73	3	2	5
74	2	....	2
75	....	6	6
76	....	2	2
79	1	2	3
80	....	1	1
81	1	4	5
83	1	1	2
84	....	1	1
86	....	3	3
88	....	1	1
89	2	2	4
90	....	1	1
92	....	2	2
93	....	1	1
94	....	1	1
95	1	2	3
101	1	2	3
102	....	4	4
104	....	3	3
105	....	1	1
107	....	3	3
124	....	8	8
125	....	7	7
126	....	1	1
127	....	4	4
128	....	2	2
135	....	1	1
136	....	1	1

	Central Alberta Sanatorium	Edmonton Sanatoria	Total
138	1	....	1
143	....	2	2
145	....	2	2
146	....	3	3
Special Area	2	....	2
	65	90	155

SUMMARY OF RESIDENCE OF DISCHARGED PATIENTS:

Cities	84	71	155
Towns	25	14	39
Villages	2	22	24
Indian Reserves	3	15	18
Non-Residents	8	1	9
Municipal Districts	65	90	155
	187	213	400

ANNUAL REPORT

OF THE

Vital Statistics Branch

OF THE

DEPARTMENT OF PUBLIC HEALTH

PROVINCE OF ALBERTA

1945

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VITAL STATISTICS BRANCH

(ARTHUR PACKFORD, *Deputy Registrar General*)

This is the 41st Annual Report of the Vital Statistics of the Province of Alberta and is for the year 1945. There are no outstanding features in this report, the rates being substantially the same as the preceding year. This report shows an increase in the birth rate; a slight decrease in the marriage rate; and a slight increase in the death rate; a decrease in the infantile mortality and an increase in the maternal mortality rates.

The birth rate is slightly higher than the preceding year. It is the highest of the Western Provinces, and is higher than the rate for all Canada.

The marriage rate is lower than the previous year, and is practically the same as the rate for the two pre-war years.

The death rates from epidemic and contagious diseases again show a decline in all cases except whooping cough. There is an increase in the cancer death rate and also in the death rate for diseases of the heart. Violent and accidental deaths are practicly the same as for the preceding year.

POPULATION

The population of the Province of Alberta for the year 1945 has been estimated by the Dominion Bureau of Statistics at 826,000. All rates in this report have, therefore, been based on that figure.

BIRTHS

The number of live births registered during the year was 19,939, being a rate of 24.1 per 1,000 population. There were 567 more births than in the previous year and an increase in the rate of .4. Of the total births, 10,315 were males and 9,624 were females, being a ratio of 1,061 males to each 1,000 females. This is 15 more males than the average for the previous ten years. There were 261 twin births and 3 sets of triplets born during the year. There were 1,050 illegitimate births, an increase of 201 from the previous year, and constituting a rate of 5.2 per 100 births.

Birth registrations are allocated to the place of residence of the parents. Under this system the number of children born to residents of cities and towns of over 1,000 population numbered 7,125; to residents of the rural districts 11,721, and to Indians 1,093. In the four large cities, the births to residents only were as follows: Edmonton, 2,793; Calgary, 2,231; Lethbridge, 421; and Medicine Hat, 300. The actual number of births in each of these cities was: Edmonton, 4,677; Calgary, 3,019; Lethbridge, 842; and Medicine Hat, 617.

For purposes of comparison the following are the birth rates per 1,000 population for Canada, the Provinces, Great Britain and certain other countries for the year 1945:

BIRTH RATES

Canada	23.8	Scotland	16.9
Prince Edward Island	24.5	Northern Ireland	22.0
Nova Scotia	25.0	Eire	22.3
New Brunswick	29.2	Australia	21.8
Quebec	29.3	New Zealand	23.1
Ontario	19.7	United States	19.8
Manitoba	22.1	France	15.6
Saskatchewan	22.4	Belgium	15.5
ALBERTA	24.1	Sweden	20.2
British Columbia	19.9	Italy	18.3
England and Wales	16.0		

Marriages

There were 7,310 marriages registered during the year. This number is 11 more than in the previous year, but is 961 less than the average for the 5 preceding years, and constitutes a rate of 8.8, the rate for the previous year being 8.9. There were 118 brides of 16 years of age and under, 1,624 were between the ages of 17 to 19, and 3,281 were between the ages of 20 and 24. There were 145 grooms and 53 brides over 60 years of age. Of these, 28 grooms and 15 brides were over 70, and 9 grooms and 5 brides were over 75.

The number of marriages in the four largest cities was as follows: Edmonton, 2,089; Calgary, 1,567; Lethbridge, 274; and Medicine Hat, 248.

For purposes of comparison the following are the marriage rates for Canada, the Provinces, and certain other countries for the year 1945:

MARRIAGE RATES

Canada	8.9	England and Wales	9.3
Prince Edward Island	7.4	Scotland	9.4
Nova Scotia	9.6	Northern Ireland	7.9
New Brunswick	9.6	Eire	5.8
Quebec	9.3	Australia	8.5
Ontario	8.5	United States	12.3
Manitoba	8.9	France	9.5
Saskatchewan	7.5	Belgium	10.0
ALBERTA	8.8	Sweden	9.5
British Columbia	9.8	Italy	6.8

Divorces

Divorces granted by decree absolute during the year numbered 575. This is 87 more than the previous year, and is 202 more than the average for the preceding 5 years. There were 302 granted to husbands and 273 to wives. In addition to the divorces, 6 decrees of nullity were issued.

Deaths

Deaths during the year (including Indians) numbered 6,454, of which number 3,907 were males and 2,547 were females. There were 134 more deaths than in the previous year, the rate being 7.8, which is .1 more than the preceding year. Of this number, 450 males and 375 females were 80 years of age and over at the time of death, and 2 of the males were centenarians.

For the purposes of comparison, the following are the death rates per 1,000 population for Canada, the Provinces, Great Britain and certain other countries for the year 1945:

DEATH RATES

Canada	9.3	Scotland	13.2
Prince Edward Island	9.7	Northern Ireland	12.3
Nova Scotia	9.1	Eire	14.4
New Brunswick	10.3	Australia	9.5
Quebec	9.4	New Zealand	10.0
Ontario	9.8	United States	10.6
Manitoba	8.9	France	15.7
Saskatchewan	7.6	Belgium	14.7
ALBERTA	7.8	Sweden	10.7
British Columbia	10.3	Italy	13.8
England and Wales	11.4		

Heart disease has been the chief cause of death for many years, and again shows an increase, the number of deaths from diseases of of the heart being 1,643 compared with 1,534 for the previous year and the rates being 199 per 100,000 population compared with 187 in 1944. Deaths from diseases of the arteries numbered 138 as compared with 121 for 1944, the rates being 16 and 14 respectively.

Deaths from cancer show an increase, the number being 830 as compared with 781, the respective rates being 100 as compared with 94 for the previous year.

There was a slight decrease in the number of deaths from pneumonia, the numbers being 367 and 379, and the rates being 44 and 46.

There was a considerable decrease in the number of deaths from pulmonary tuberculosis, the number being 200 as compared with 229, and the respective rates being 25 and 27. This is the smallest number of deaths from pulmonary tuberculosis recorded in any year since 1926.

Deaths from influenza amounted to 58, a decrease from the previous year's total of 128, the rates being 7 and 15.

Maternal Deaths

There was an increase in maternal mortality, the number of deaths being 48 as compared with 31 for the previous year. The rates per 100,000 population being 5.8 and 3.8 respectively, and the rates per 1,000 live births 2.4 compared with 1.6 for 1944, which was the lowest in the history of the Province. The following are the maternal mortality rates for Canada, the Provinces and certain other countries:

MATERNAL MORTALITY RATES PER 1,000 BIRTHS

Canada	2.3	Saskatchewan	2.5
Prince Edward Island	2.7	ALBERTA	2.4
Nova Scotia	1.5	British Columbia	2.7
New Brunswick	1.9	Scotland	2.9
Quebec	2.4	Eire	2.2
Ontario	2.2	New Zealand	2.2
Manitoba	1.9	Australia	2.1

Infant Deaths

There were 862 children who died under one year of age compared with 889 the previous year. The respective rates per 1,000 live births being 43 and 46. The rate for Canada is 51. The following are the infantile mortality rates for Canada, the Provinces and certain other countries for 1945:

INFANT MORTALITY RATES PER 1,000 BIRTHS

Canada	51	Scotland	56
Prince Edward Island	45	Northern Ireland	68
Nova Scotia	53	Eire	68
New Brunswick	70	Australia	29
Quebec	62	New Zealand	28
Ontario	41	United States	38
Manitoba	48	France	108
Saskatchewan	44	Belgium	92
ALBERTA	43	Sweden	29
British Columbia	42	Italy	98
England and Wales	46		

The number of deaths from violence (excluding suicides) was 472, as compared with 484 the previous year, the respective rates being 57 and 59.

The number of deaths from auto accidents was 69, 3 less than the previous year. Railway accidents accounted for 8 deaths, 13 less than the previous year. Deaths due to aeroplane accidents num-

bered 17, compared with 41 in 1944. Agriculture and Forestry accidents caused 33 deaths, 13 less than the previous year. Deaths in mines and quarries increase to 24 from 8 the previous year. Deaths due to drowning were 37, 12 less than in 1944. Deaths by suicide numbered 76, an increase of 18, and homicides numbered 12, double the number of the previous year.

Stillbirths numbered 312, being 23 less than the previous year.

DIVISIONS OF ALBERTA FOR CENSUS AND VITAL STATISTICS PURPOSES

As the Province of Alberta is not divided into Counties, and the political divisions are not permanently fixed, it has been found advisable to use as smaller areas, the Dominion Census Divisions.

These Divisions are fixed, and as the population increases, may be subdivided without destroying their value for purposes of Vital Statistic comparison with preceding years.

The following table shows Census areas divided into Municipalities, Local Improvement Districts, Cities, Towns and Villages with the 1941 and 1936 official Division population figures.

POPULATION OF CENSUS DIVISIONS OF ALBERTA CLASSIFIED BY MUNICIPALITIES FOR CENSUS YEARS, 1941 AND 1936

Census Divisions and Municipalities	Population	
	1941	1936
Province	**796,169**	**772,782**
Division No. 1	**29,595**	**29,699**
1 I.D.	57	93
2 I.D.	148	162
3 I.D.	169	172
4 I.D.	521	555
5 I.D.	1,067	1,251
6 I.D.	541	643
31 I.D.	62	64
32 I.D.	511	592
33 Flowery Plains	487	533
34 Burlington	953	958
35 I.D.	376	430
36 Warner	1,871	1,305
61 I.D.	740	821
62 I.D.	615	716
63 I.D.	609	625
64 Forty Mile	959	1,148
65 Eureka	1,098	1,190
66 I.D.	2,297	2,549
91 I.D.	1,164	1,170
92 I.D.	890	974
93 I.D.	738	890
94 Bow Island	535	614
Cities:		
Medicine Hat	10,571	9,592
Towns:		
Bow Island	291	308
Irvine	240	278
Taber	1,331	1,341
Villages:		
Burdett	123	90
Milk River	335	326
Warner	296	309
Division No. 2	**58,563**	**57,499**
7 I.D.	432	330
8 I.D.	1,308	1,394
9 I.D.	1,538	1,547
10 Cochrane	1,589	1,613
37 Sugar City	2,391	2,192
38 I.D.	1,282	1,176
39 Kerr	1,602	1,830
40 Castle River	614	606
67 I.D.	4,709	4,635
68 I.D.	2,849	2,467
69 Bright	1,153	1,198
70 Livingstone	1,217	1,466
71 I.D.	4,149	4,369
99 Argyle	1,714	1,811
100 I.D.	585	571
101 I.D.	162	173
Waterton National Park	269	.....
Indian Reserves	2,162	1,991
Cities:		
Lethbridge	14,612	13,523
Towns:		
Blairmore	1,731	1,682
Cardston	1,864	1,711
Claresholm	1,265	1,051
Coleman	1,870	2,129
Division No. 2—Continued:		
Towns—Continued :		
Diamond City	(1)	143
Granum	238	255
Macleod	1,912	1,365
Magrath	1,207	1,217
Pincher Creek	994	999
Raymond	2,089	2,094
Villages:		
Coaldale	290	255
Coalhurst	(1)	774
Cowley	125	141
Frank	204	258
Pincher City	(1)	38
Stirling	437	392
Division No. 3	**15,518**	**14,710**
96 I.D. (Pt.)	536	1,234
121 Many Islands	2,416	2,785
122 Jubilee I.D.	1,690	2,020
123 Bow Slope, I.D. (Pt.)	5,475	4,416
125 I.D.	1,184	435
127 I.D. (Pt.)	841	914
241 Acadia (Pt.)	9	.....
Towns:		
Bassano	582	574
Brooks	888	697
Redcliff	1,111	990
Villages:		
Duchess	149	150
Empress	341	303
Enchant	76	83
Jenner	27	49
Retlaw	(1)	60
Tilley	193	.....
Division No. 4	**29,383**	**28,285**
96 I.D. (Pt.)	245	.....
97 I.D.	2,939	2,933
98 Little Bow	1,363	1,526
127 I.D. (Pt.)	738	867
128 Harmony	845	1,052
129 Clear Lake	1,728	2,021
130 I.D.	305	348
131 I.D.	68	38
157 Marquis	1,386	1,773
158 Royal	1,367	1,580
159 Riley	1,721	1,834
160 I.D.	2,422	676
161 I.D.	67	43
189 Dinton	1,576	1,887
190 Sheep Creek	1,831	1,978
191 Stockland	3,706	2,957
192 I.D.	6	9
193 I.D.	2	.....
Towns:		
High River	1,430	1,359
Nanton	718	709
Okotoks	591	571
Stavely	273	301
Vulcan	732	869

POPULATION OF CENSUS DIVISIONS OF ALBERTA CLASSIFIED BY MUNICIPALITIES FOR CENSUS YEARS, 1941 AND 1936—Continued

Census Divisions and Municipalities	Population 1941	Population 1936
Division No. 4—Continued:		
Villages:		
Arrowwood	251	252
Barons	233	264
Black Diamond	890	657
Blackie	223	225
Carmangay	229	234
Cayley	133	135
Champion	320	328
Lomond	129	127
Milo	129	136
Nobleford	111	117
Turner Valley	676	475
Division No. 5	**18,926**	**21,391**
214 I.D.	1,436	1,793
241 Acadia (Pt.)	739	826
242 I.D.	2,506	1,176
273 I.D.	553	345
276 I.D. (Pt.)	2,428	2,436
277 Michichi	1,118	1,290
305 I.D. (Pt.)	2,986	1,285
306 Lambton	1,269	1,390
307 Starland	1,248	1,297
331 I.D. (Pt.)	1,277	.....
Towns:		
Hanna	1,622	1,405
Villages:		
Cereal	142	131
Chinook	142	134
Craigmyle	186	214
Delia	315	279
Morrin	216	146
Munson	139	146
Oyen	326	298
Richdale	(1)	38
Rumsey	90	81
Youngstown	188	187
Division No. 6	**146,990**	**141,806**
123 Bow Slope I.D. (Pt.)	668	547
217 I.D.	555	704
218 Blackfoot	1,451	1,528
219 Bow Valley	1,456	1,738
220 Shepard	2,134	2,057
221 Springbank	3,241	2,539
222 I.D.	489	471
223 I.D.	1,546	.....
247 I.D.	893	958
248 Grasswold	1,400	1,421
249 Keoma	1,613	1,518
250 Beddington	2,139	2,259
251 I.D.	1,314	1,472
252 I.D.	333	350
253 283 I.D.	.....	.....
276 I.D. (Pt.)	4,061	2,850
278 Carbon	1,580	1,896
279 Norquay	2,184	2,342
280 Rosebud	2,233	2,366
281 Beaver Dam	2,327	2,282
282 I.D.	1,085	953
308 Ghost Pine	2,023	2,340
309 Stauffer	2,310	2,327
310 Mountain View	2,580	2,748
311 Westerdale	2,660	2,631
Banff National Park	358	.....
Banff	2,187	2,037
Indian Reserves	1,859	1,882
Cities:		
Calgary	88,904	83,407
Drumheller	2,748	2,912
Towns:		
Didsbury	892	846
Gleichen	435	458
Olds	1,337	1,197
Strathmore	560	531
Three Hills	706	659
Villages:		
Acme	285	291
Airdrie	191	214
Division No. 6—Continued:		
Villages:		
Albert Park	(1)	332
Beiseker	240	230
Carbon	409	374
Carstairs	371	356
Cluny	138	142
Cochrane	298	336
Crossfield	409	333
Forest Lawn	899	471
Hussar	116	104
Irricana	172	160
Langdon	95	101
Newcastle	(1)	1,278
Rockyford	201	211
Rosebud	99	114
Standard	212	205
Swalwell	114	112
Trochu	480	464
Division No. 7	**33,285**	**37,647**
305 I.D. (Pt.)	147	168
331 I.D. (Pt.)	3,012	3,005
334 Coronation	1,840	1,941
362 Hillcrest	986	1,176
363 Stocks	935	1,173
364 Flagstaff	1,530	1,796
365 Progress	2,002	2,262
391 Sifton	1,688	1,477
392 Vale	835	1,044
393 Huamha	1,041	1,275
394 Asquith	1,043	1,235
395 Wheatland	1,692	1,809
421 Ribstone	1,416	1,644
422 Gilt Edge	1,489	1,767
423 Battle River	1,399	1,530
424 Kinsella	1,105	1,240
425 Sterling	1,873	2,049
455 Iron Creek	2,079	2,270
Buffalo National Park	4	.....
Towns:		
Castor	625	592
Coronation	581	605
Hardisty	457	524
Wainwright	980	1,048
Villages:		
Alliance	233	263
Cadogan	99	84
Chauvin	343	321
Compeer	(1)	88
Consort	265	252
Czar	139	138
Edgerton	258	222
Forestburg	231	226
Galahad	145	152
Hughenden	164	203
Irma	273	240
Killam	347	329
Lougheed	195	217
Monitor	82	99
Provost	518	490
Sedgewick	320	353
Strome	233	210
Veteran	190	180
Viking	491	480
Division No. 8	**67,630**	**65,439**
336 Success	1,389	1,427
337 Vimy	947	1,015
338 Hays	2,702	2,736
339 Pine Lake	2,726	2,442
340 Arthur	2,364	2,487
366 Dublin	1,257	1,322
367 Waverly	1,893	2,061
396 Haig	1,554	1,572
397 Lakeside	1,673	1,615
398 Lamerton	2,479	2,600
399 Crown	4,104	4,105
426 Melrose	2,955	2,874

POPULATION OF CENSUS DIVISIONS OF ALBERTA CLASSIFIED BY MUNICIPALITIES FOR CENSUS YEARS, 1941 AND 1936—Continued

Census Divisions and Municipalities	Population	
	1941	1936
Division No. 8—Continued:		
427 Evergreen	2,730	2,788
428 Water Glen	1,486	1,510
429 Fertile Valley	4,749	4,512
456 Parkland	2,879	2,858
457 Lloyd George	2,901	2,973
458 Montgomery	3,486	3,553
459 Bigstone (Pt.)	3,777	3,452
Indian Reserves	1,242	1,199
Cities:		
Red Deer	2,924	2,384
Wetaskiwin	2,318	2,058
Towns:		
Big Valley	291	359
Camrose	2,598	2,263
Daysland	438	366
Innisfail	1,223	1,124
Lacombe	1,603	1,414
Ponoka	1,306	1,045
Stettler	1,295	1,202
Villages:		
Alix	360	333
Bashaw	494	423
Bawlf	227	236
Bittern Lake	50	32
Blackfalds	113	105
Botha	111	98
Clive	224	242
Delburne	308	236
Donalda	206	182
Edberg	132	110
Elnora	195	149
Erskine	172	164
Ferintosh	169	120
Gadsby	141	139
Gull Lake	21	.....
Halkirk	118	139
Millet	325	357
Mirror	570	585
New Norway	169	177
Ohaton	53	46
Penhold	183	94
Division No. 9	32,232	29,859
312 Waterloo	1,402	1,343
313, 314 I.D.	12	.....
341 Poplar Grove	3,113	3,003
342 Raven	2,254	2,242
343 I.D.	833	846
344 I.D.	72	74
371 Golden West	2,622	2,526
374, 375 I.D.	6	.....
376 I.D.	768	.....
400 Lorne	2,670	2,584
401 Lochearn	3,037	2,913
403 I.D.	437	363
430 Blindman	1,800	1,599
431 Last West	1,898	1,736
432 I.D.	135	53
433 I.D.	114	164
434 I.D.	240	287
435 I.D.	8	.....
436 I.D.	3	.....
460 Columbia	1,951	1,646
461 I.D.	1,486	1,127
462 I.D.	440	307
463 I.D.	102	90
446, 465, 468 I.D.	2	.....
466 I.D. (Pt.)	2,014	1,790
Jasper National Park	287	.....
Jasper	1,335	1,322
Unorganized	4	1,094
Towns:		
Rocky Mountain House	800	652
Villages:		
Bentley	279	250
Bowden	234	270
Eckville	135	159
North Red Deer	524	359
Rimbey	410	313
Sylvan Lake	805	652
Division No. 10	58,807	61,358
451 Merton	1,682	1,948
452 Grizzly Bear	1,368	1,553
453 Buffalo Coulee	1,370	1,554
454 Lakeview	1,358	1,548
481 Wellington	1,794	2,124
482 Vermilion Valley	1,872	2,052
483 Melberta	1,894	2,019
484 Birch Lake	2,430	2,478
485 Patricia	2,109	2,284
486 Beaver Lake	3,094	3,168
511 Streamstown	2,420	2,641
512 Ethelwyn	3,158	3,302
513 Ukraine	3,179	3,365
514 Sobor	3,279	3,460
515 Norma	3,027	3,301
516 The Pines	3,547	3,702
545 Eagle	4,150	4,255
546 Wostok	4,653	4,733
547 Leslie	3,598	3,666
Towns:		
Lloydminster (Pt.)	572	498
Vegreville	1,696	1,672
Vermilion	1,408	1,291
Villages:		
Andrew	326	137
Bruderheim	237	253
Chipman	240	249
Derwent	171	144
Holden	361	273
Innisfree	253	245
Islay	132	155
Kitscoty	234	254
Lamont	438	470
Lavoy	178	151
Mannville	396	370
Minburn	129	132
Mundare	756	777
Myrnam	216	159
Ranfurly	129	112
Ryley	323	268
Two Hills	210	200
Willingdon	420	395
Division No. 11	149,193	139,017
459 Bigstone (Pt.)	39	.....
487 Cornhill	2,997	2,936
488 Black Mud	4,239	4,005
489 Liberty	4,883	4,993
490 Pioneer	3,619	3,223
491 I.D.	1,479	1,226
517 Clover Bar	2,740	2,997
518 Strathcona	3,985	3,871
519 Spruce Grove	4,824	4,251
520 Inga	3,013	3,096
521 Tomahawk	2,198	1,705
548 Sturgeon	5,115	4,911
549 Ray	3,542	3,523
550 Woodford	3,045	2,960
551 Morthen	2,635	2,763
Elk Island National Park	50	.....
Indian Reserves	997	954
Cities:		
Edmonton	93,817	85,774
Towns:		
Beverly	981	998
Fort Saskatchewan	903	899
Leduc	871	926
Morinville	580	554
St. Albert	697	811
Stony Plain	566	499
Tofield	551	544
Villages:		
Alberta Beach	59	57
Hay Lakes	154	156
Kapasiwin	.....	.....
Onoway	156	128
Sangudo	173	.....
Seba Beach	84	59
Wabamun	201	198

POPULATION OF CENSUS DIVISIONS OF ALBERTA CLASSIFIED BY MUNICIPALITIES FOR CENSUS YEARS, 1941 AND 1936—Continued

Census Divisions and Municipalities	Population	
	1941	1936
Division No. 12	**17,431**	**16,024**
466 I.D. (Pt.)	1,803	1,704
493 I.D.	34	26
495, 498, 524 I.D.	94	.....
522 I.D.	2,004	1,728
523 I.D.	99	87
525 I.D.	43	24
526 I.D.	225	136
527 I.D.	344	490
528 I.D.	30	.....
552 Pembina	2,667	2,431
553 I.D.	1,318	1,037
554 I.D.	1,001	870
555 I.D.	930	733
556 I.D.	291	240
558 I.D.	44	59
559, 560 I.D.	4	.....
582 Kitchener	2,458	2,478
583 I.D.	889	759
584 I.D.	690	574
585 I.D.	37	.....
588 I.D.	7	.....
590 I.D. (Pt.)	33	.....
612 I.D.	409	472
615 I.D.	43	18
Towns:		
Edson	1,499	1,600
Villages:		
Entwistle	218	150
Mayerthorpe	217	209
Division No. 13	**33,172**	**30,602**
541 I.D.	740	910
542 Lincoln	1,221	1,249
543 Laurier	3,066	3,141
544 Champlain	2,213	2,399
571 I.D.	359	267
572 Bonnyville	1,867	1,859
573 St. Vincent	3,316	2,951
574 St. Lina	1,347	1,146
575 Vilna	3,590	3,903
601 I.D.	1,466	1,195
602 I.D.	1,949	1,567
603 I.D.	1,311	1,016
604 I.D.	721	640
605 Ashmont	1,993	1,814
631 I.D.	1,007	951
632 I.D.	18	5
633 I.D.	131	44
634 I.D.	280	255
635 I.D.	1,191	915
663 I.D.	11	17
664 I.D.	39	22
666 I.D.	751	545
695 I.D.	353	308
Other Parts	6	.....
Indian Reserves	1,859	1,720
Towns:		
St. Paul	1,018	950
Villages:		
Bellis	128	127
Bonnyville	603	433
Elk Point	307	.....
Vilna	311	253
Division No. 14	**47,899**	**45,790**
576 Smoky Lake	3,974	4,319
577 Unity	4,798	4,871
578 Opal	3,166	3,318
579 Hazelwood	3,491	3,627
580 Lockerbie	3,032	2,845
581 Pershing	2,283	2,158
606 I.D.	74	148
607 I.D.	2,189	1,828
608 Tawatinaw	2,256	2,223
609 Pibroch	2,476	2,380
610 Shoal Creek	2,775	2,553
611 I.D.	1,088	909
636 I.D.	675	540
637 Cartier	1,397	1,413

Census Divisions and Municipalities	Population	
	1941	1936
Division No. 14—Continued :		
638 Nelson	1,808	1,701
639 I.D.	903	848
640 I.D.	1,029	953
665 I.D.	1,412	1,151
667 I.D.	1,941	1,622
668 Grosmont	863	805
669 I.D.	281	212
696 I.D.	695	506
697 I.D.	588	572
698 I.D.	63	34
699 I.D.	476	459
726 I.D.	489	39€
727 I.D.	57	86
728 I.D.	79	26
729 I.D.	167	218
Towns:		
Athabasca	578	608
Villages:		
Barrhead	399	307
Clyde	160	153
Lac la Biche	517	410
Legal	462	394
Smoky Lake	430	428
Waskatenau	237	241
Westlock	590	507
Division No. 15	**17,484**	**15,733**
590 I.D. (Pt.)	64	.....
613 I.D.	149	182
614, 618, 619, 646 I.D.	6	.....
622, 623, 650, 651 I.D.	54	.....
641 I.D.	875	804
642 I.D.	8	22
670 I.D.	42	.....
675, 676, 677,678, 679 I.D.	1	.....
700, 702, 704 I.D	15	.....
705 I.D.	28	2-
706 I.D.	416	292
707 I.D.	203	209
708 I.D.	93	84
709 I.D.	93	31
710 I.D.	83	82
730 I.D.	158	156
731 I.D.	698	431
732 I.D.	758	670
733 I.D.	931	678
734 I.D.	93	112
735 I.D.	248	164
736 I.D.	135	56
737 I.D.	92	61
738 I.D.	730	621
764 I.D.	1,087	1,420
765 I.D.	1,384	1,176
766 I.D.	601	534
767 I.D.	114	84
794 I.D.	204	180
795 I.D.	873	802
796 I.D.	2,757	2,791
825 I.D.	275	251
826 I.D.	974	764
855 I.D.	580	577
Unorganized	44	148
Indian Reserves	1,154	963
Towns:		
Peace River	873	883
Villages:		
Falher	244	284
Grouard	347	185
Division No. 16	**30,349**	**29,204**
739 Grande Prairie	2,307	2,388
740 Bear Lake	2,622	2,815
741 I.D.	1,644	1,599
742 I.D.	468	466
769 I.D.	731	661
770 I.D.	1,062	981
771 I.D.	1,946	1,850
772 I.D.	1,221	1,193
797 I.D.	884	658

POPULATION OF CENSUS DIVISIONS OF ALBERTA CLASSIFIED BY MUNICIPALITIES FOR CENSUS YEARS, 1941 AND 1936—Continued

Census Divisions and Municipalities	Population	
	1941	1936
Division No. 16—Continued:		
800 I.D.	393	336
801 I.D.	93	173
827 I.D.	166	126
828 I.D.	546	633
829 Spirit River	1,828	1,890
830 I.D.	1,022	878
831 I.D.	538	520
857 Peace	2,003	2,155
858 Fairview	2,326	2,443
859 I.D.	824	705
860 I.D.	10	.....
861 I.D.	28	.....
886 I.D.	516	497
887 I.D.	666	744
888 I.D.	564	597
889 I.D.	681	574
890 I.D.	62	58
891 I.D.	164	114
916 I.D.	268	237
917 I.D.	394	338
Division No. 16—Continued:		
919 I.D.	80	.....
920 I.D.	131	.....
Indian Reserves	161	83
Towns:		
Grande Prairie	1,724	1,478
Villages:		
Beaverlodge	331	203
Berwyn	206	.....
Clairmont	102	104
Fairview	432	393
Grimshaw	169	129
Hythe	247	260
Sexsmith	325	298
Spirit River	276	234
Wembley	188	173
Division No. 17	9,712	8,713
Remainder of the Province comprising Northern Parts	7,205	5,465
Indian Reserves	2,507	3,248

NOTE: (1) Disorganized; I.D.=Improvement District; (Pt.): Part.

TABLE 1.—GENERAL SUMMARY OF BIRTHS, DEATHS AND MARRIAGES IN THE PROVINCE OF ALBERTA BY DIVISIONS, CITIES AND TOWNS OF 1,000 POPULATION AND OVER, BY PLACE OF RESIDENCE, 1945

Divisions, Cities and Towns	Births (Exclusive of Still-births)			DEATHS									Stillbirths	Marriages
				All Ages			Under 1 year		1-4 years		5 years and over			
	Total	M.	F.	Total	M.	F.	M.	F.	M.	F.	M.	F.		
TOTAL FOR THE PROVINCE	**19939**	**10315**	**9624**	**6454**	**3907**	**2547**	**511**	**351**	**100**	**96**	**3296**	**2100**	**312**	**7310**
Division No. 1	812	415	397	289	172	117	27	16	3	5	142	96	12	305
Division No. 2	1562	841	721	501	310	191	42	29	5	5	263	157	19	552
Division No. 3	364	181	183	89	57	32	6	3	1	....	50	29	8	61
Division No. 4	721	360	361	239	147	92	16	15	3	5	128	72	8	117
Division No. 5	306	157	149	121	80	41	8	4	4	1	68	36	4	84
Division No. 6	3549	1841	1708	1403	827	576	94	68	17	19	716	489	63	1915
Division No. 7	782	422	360	247	153	94	14	9	5	2	134	83	9	208
Division No. 8	1731	866	865	551	337	214	47	23	6	8	284	183	23	568
Division No. 9	652	355	297	221	135	86	13	7	1	3	121	76	14	99
Division No. 10	1208	604	604	323	181	142	21	22	4	3	156	117	16	404
Division No. 11	4067	2089	1978	1326	790	536	95	53	12	13	683	470	77	2281
Division No. 12	378	178	200	125	81	44	10	11	2	4	69	29	6	57
Division No. 13	1011	530	481	235	138	97	34	24	9	8	95	65	10	171
Division No. 14	1190	609	581	312	200	112	25	26	8	3	167	83	20	208
Division No. 15	556	301	255	150	92	58	24	14	5	7	63	37	8	94
Division No. 16	706	379	327	203	141	62	15	14	7	3	119	45	11	145
Division No. 17	344	187	157	119	66	53	20	13	8	7	38	33	4	41
CITIES:														
Calgary	2231	1159	1072	921	535	386	50	40	8	7	477	339	35	1567
Drumheller	104	49	55	32	19	13	2	2	....	1	17	10	2	76
Edmonton	2793	1447	1346	910	547	363	60	35	10	4	477	324	49	2089
Lethbridge	421	222	199	159	90	69	12	7	1	1	77	61	7	274
Medicine Hat	300	150	150	168	99	69	12	5	1	3	86	61	6	248
Red Deer	140	72	68	33	17	16	1	2	1	....	15	14	3	111
Wetaskiwin	83	39	44	55	33	22	1	2	....	1	32	19	1	90
TOWNS:														
Blairmore	36	16	20	16	11	5	....	1	....	....	11	4	2	24
Camrose	78	40	38	37	24	13	7	1	....	....	17	12	2	73
Cardston	51	22	29	16	9	7	2	3	....	....	7	4	....	74
Claresholm	40	24	16	23	13	10	2	2	....	....	11	8	....	19
Coleman	74	40	34	18	13	5	1	1	1	....	11	4	2	18
Edson	37	13	24	15	8	7	1	2	1	1	6	4	....	30
Grande Prairie	90	49	41	21	13	8	3	2	....	....	10	6	2	62

Hanna	47	23	24	23	13	10	3	3	1	....	9	7	....	36
High River	31	14	17	20	10	10	2	1	....	2	8	7	1	29
Innisfail	35	24	11	20	12	8	1	....	1	....	10	8	....	31
Lacombe	47	28	19	31	15	16	2	2	....	....	13	14	....	53
Macleod	36	23	13	12	5	7	1	1	....	....	4	6	....	19
Magrath	30	16	14	7	4	3	....	....	....	....	4	3	....	22
Olds	28	16	12	17	8	9	....	....	1	....	7	9	3	40
Ponoka	56	26	30	21	12	9	1	1	1	....	10	8	2	27
Raymond	68	30	38	18	12	6	1	....	....	....	11	6	....	20
Redcliffe	24	17	7	7	5	2	....	....	....	....	5	2	....	7
St. Paul	50	24	26	11	6	5	2	1	1	....	3	4	....	30
Stettler	41	23	18	28	15	13	3	2	....	....	12	11	1	49
Taber	66	35	31	28	12	16	1	4	....	....	11	12	....	15
Vegreville	44	21	23	17	8	9	1	3	....	....	7	6	1	58
Vermilion	44	21	23	20	13	7	2	1	....	....	11	6	....	39

TABLE 1A.—GENERAL SUMMARY OF BIRTHS, DEATHS AND MARRIAGES IN THE PROVINCE OF ALBERTA BY DIVISIONS INCLUDING CITIES AND TOWNS OF 1,000 POPULATION AND OVER, BY PLACE OF OCCURRENCE, 1945

PROVINCE AND DIVISIONS	Births (Exclusive of Still-births)			Deaths									Stillbirths	Marriages
				All Ages			Under 1 year		1-4 years		5 years and over			
	Total	M.	F.	Total	M.	F.	M.	F.	M.	F.	M.	F.		
TOTAL FOR THE PROVINCE	**19906**	**16287**	**9619**	**6468**	**3917**	**2551**	**507**	**351**	**102**	**98**	**3308**	**2102**	**311**	**7310**
Division No. 1	827	413	414	268	155	113	25	15	3	4	127	94	15	305
Division No. 2	1858	989	869	547	339	208	53	34	5	6	281	168	19	552
Division No. 3	312	150	161	82	54	28	6	3	3	....	45	25	6	61
Division No. 4	436	228	208	159	94	65	5	10	2	5	87	50	6	117
Division No. 5	184	102	82	81	52	29	7	3	1	....	44	26	1	84
Division No. 6	3883	2015	1868	1537	912	625	101	75	17	17	794	533	69	1915
Division No. 7	775	407	368	195	117	78	12	8	5	2	100	68	9	208
Division No. 8	1759	892	867	586	357	229	42	25	7	9	308	195	27	568
Division No. 9	405	218	187	173	106	67	12	6	1	3	93	58	11	99
Division No. 10	1000	503	497	254	144	110	21	16	3	4	120	90	13	404
Division No. 11	4793	2450	2343	1639	995	644	107	64	17	16	871	564	84	2281
Division No. 12	217	104	113	84	58	26	7	7	2	2	49	17	3	57
Division No. 13	896	467	429	209	123	86	28	23	9	7	86	56	10	171
Division No. 14	1,032	526	506	236	146	90	24	23	6	3	116	64	16	208
Division No. 15	552	298	254	132	87	45	23	12	7	10	57	23	7	94
Division No. 16	658	348	310	178	120	58	15	15	6	3	99	40	13	145
Division No. 17	319	177	142	108	58	50	19	12	8	7	31	31	2	41

TABLE 2.—BIRTHS (EXCLUSIVE OF STILLBIRTHS), BY MONTHS, CLASSIFIED AS RURAL AND URBAN, BY DIVISIONS, AND BY PLACE OF RESIDENCE OF MOTHERS IN ALBERTA, 1945

	Total	MONTHS											
		January	February	March	April	May	June	July	August	September	October	November	December
ALBERTA	19939	1692	1517	1726	1694	1815	1665	1746	1694	1677	1620	1568	1525
Rural	12814	1078	966	1125	1055	1117	1081	1147	1112	1081	1022	1043	987
Urban	7125	614	551	601	639	698	584	599	582	596	598	525	538
DIVISION No. 1—MEDICINE HAT	812	88	54	66	85	55	78	54	69	71	52	73	67
Rural	446	44	27	39	52	32	41	30	38	32	30	45	36
Urban	366	44	27	27	33	23	37	24	31	39	22	28	31
City of Medicine Hat	300	40	25	21	28	20	31	21	24	29	17	20	24
Town of Taber	66	4	2	6	5	3	6	3	7	10	5	8	7
DIVISION No. 2—MACLEOD	1562	139	112	146	143	135	126	149	134	120	122	126	110
Rural	806	76	52	70	82	68	65	79	74	58	57	74	51
Urban	756	63	60	76	61	67	61	70	60	62	65	52	59
City of Lethbridge	421	34	29	51	36	33	37	37	42	39	36	23	24
Town of Blairmore	36	3	3	3	2	4	2	4	....	....	4	2	9
Cardston	51	1	2	3	6	4	6	7	2	6	3	6	5
Claresholm	40	8	7	1	2	5	1	3	....	2	5	3	3
Coleman	74	4	8	7	3	13	5	8	7	4	4	6	5
Macleod	36	1	3	1	4	3	4	3	2	3	4	3	5
Magrath	30	3	2	1	2	1	1	3	3	3	4	6	1
Raymond	68	9	6	9	6	4	5	5	4	5	5	3	7
DIVISION No. 3—BOW	364	29	18	39	36	29	32	30	24	30	30	28	39
Rural	340	24	17	36	32	27	31	29	22	30	29	27	36
Urban	24	5	1	3	4	2	1	1	2	....	1	1	3
Town of Redcliff	24	5	1	3	4	2	1	1	2	....	1	1	3
DIVISION No. 4—NANTON	721	49	56	62	39	57	69	51	66	83	53	71	65
Rural	690	49	54	62	37	53	63	49	64	78	52	67	62
Urban	31	....	2	....	2	4	6	2	2	5	1	4	3
Town of High River	31	....	2	....	2	4	6	2	2	5	1	4	3
DIVISION No. 5—ACADIA	306	25	23	22	30	22	24	21	37	31	37	19	15
Rural	259	20	20	19	26	19	19	19	32	27	28	16	14
Urban	47	5	3	3	4	3	5	2	5	4	9	3	1
Town of Hanna	47	5	3	3	4	3	5	2	5	4	9	3	1

DIVISION No. 6—CALGARY	3549	302	263	335	316	329	288	319	285	298	286	243	285
Rural	1186	95	79	121	93	95	114	109	104	100	82	86	108
Urban	2363	207	184	214	223	234	174	210	181	198	204	157	177
City of Calgary	2231	193	166	199	213	223	163	200	173	190	197	152	162
Drumheller	104	11	15	12	6	8	7	7	7	7	6	3	15
Town of Olds	28	3	3	3	4	3	4	3	1	1	1	2	....
DIVISION No. 7—BATTLE RIVER	782	70	69	55	63	80	58	77	69	59	62	66	54
Rural	782	70	69	55	63	80	58	77	69	59	62	66	54
DIVISION No. 8—RED DEER	1731	143	125	161	151	168	151	158	149	118	162	118	127
Rural	1251	96	87	125	118	108	107	113	111	92	117	88	89
Urban	480	47	38	36	33	60	44	45	38	26	45	30	38
City of Red Deer	140	11	7	15	11	17	15	11	11	7	13	8	14
Wetaskiwin	83	11	9	5	6	7	3	9	8	3	5	8	9
Town of Camrose	78	9	5	3	4	10	9	12	6	3	6	5	6
Innisfail	35	4	3	2	2	5	4	3	1	3	3	3	2
Lacombe	47	2	7	4	5	7	3	1	5	1	7	3	2
Ponoka	56	7	5	2	4	7	7	6	4	4	5	2	3
Stettler	41	3	2	5	1	7	3	3	3	5	6	1	2
DIVISION No. 9—ROCKY MOUNTAIN HOUSE	652	47	49	60	54	60	54	60	42	70	44	61	51
Rural	652	47	49	60	54	60	54	60	42	70	44	61	51
DIVISION No. 10—VICTORIA	1208	102	85	118	90	114	114	111	117	78	113	85	81
Rural	1120	98	74	110	84	109	100	105	112	71	106	76	75
Urban	88	4	11	8	6	5	14	6	5	7	7	9	6
Town of Vegreville	44	2	6	5	2	4	9	1	1	3	3	5	3
Vermilion	44	2	5	3	4	1	5	5	4	4	4	4	3
DIVISION No. 11—EDMONTON	4067	347	332	302	346	392	331	355	337	356	334	334	301
Rural	1274	119	114	81	93	107	106	123	102	117	98	112	102
Urban	2793	228	218	221	253	285	225	232	235	239	236	222	199
City of Edmonton	2793	228	218	221	253	285	225	232	235	239	236	222	199
DIVISION No. 12—EDSON	378	35	31	33	28	36	25	26	41	32	18	38	35
Rural	341	32	31	32	24	36	22	24	39	29	15	29	28
Urban	37	3	....	1	4	....	3	2	2	3	3	9	7
Town of Edson	37	3	....	1	4	....	3	2	2	3	3	9	7
DIVISION No. 13—BEAVER RIVER	1011	86	70	100	85	69	67	109	75	86	88	94	82
Rural	961	83	67	95	83	66	58	106	71	79	86	90	77
Urban	50	3	3	5	2	3	9	3	4	7	2	4	5
Town of St. Paul	50	3	3	5	2	3	9	3	3	7	2	4	5
DIVISION No. 14—STURGEON	1190	114	90	114	85	113	103	91	89	98	104	98	91
Rural	1190	114	90	114	85	113	103	91	89	98	104	98	91

TABLE 2.—BIRTHS (EXCLUSIVE OF STILLBIRTHS), BY MONTHS, CLASSIFIED AS RURAL AND URBAN, BY DIVISIONS, AND BY PLACE OF RESIDENCE OF MOTHERS IN ALBERTA, 1945—Continued

	Total	MONTHS											
		January	February	March	April	May	June	July	August	September	October	November	December
DIVISION No. 15—CLEARWATER	556	40	51	31	49	59	51	55	48	45	40	46	41
Rural	556	40	51	31	49	59	51	55	48	45	40	46	41
DIVISION No. 16—PEACE RIVER	706	47	56	55	71	68	63	47	77	71	43	49	57
Rural	616	42	52	48	57	56	60	45	60	65	40	43	48
Urban	90	5	4	7	14	12	3	2	17	6	3	6	9
Town of Grande Prairie	90	5	4	7	14	12	5	2	17	6	3	6	9
DIVISION No. 17—ATHABASCA	344	29	33	27	23	29	29	33	35	31	32	19	24
Rural	344	29	33	27	23	29	29	33	35	31	32	19	24

TABLE 3.—BIRTHS (EXCLUSIVE OF STILLBIRTHS) CLASSIFIED AS LEGITIMATE OR ILLEGITIMATE FOR THE PROVINCE AND IN CITIES OF 5,000 POPULATION AND OVER, BY PLACE OF RESIDENCE OF MOTHERS, 1945

Province and Cities	Total Births			Legitimate			Illegitimate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
TOTAL FOR THE PROVINCE	**19939**	**10315**	**9624**	**18889**	**9743**	**9146**	**1050**	**572**	**478**
Cities of 5,000 and over:									
Calgary	2231	1159	1072	2089	1078	1011	142	81	61
Edmonton	2793	1447	1346	2588	1339	1249	205	108	97
Lethbridge	421	222	199	397	211	186	24	11	13
Medicine Hat	300	150	150	279	139	140	21	11	10

TABLE 4.—PLURAL BIRTHS CLASSIFIED TO SHOW THE NUMBER OF CHILDREN BORN ALIVE AND STILLBORN BY SEX AND BY PLACE OF RESIDENCE OF MOTHERS IN ALBERTA, 1945

Classification of Births		Number
TWIN BIRTHS		261
Two males (both living)		76
One male and one female (both living)		87
Two females (both living)		87
One male living and one male stillborn		5
One male living and one female stillborn		1
One male stillborn and one female living		2
One female living and one female stillborn		1
Two males (both stillborn)		1
Two females (both stillborn)		1
TRIPLET BIRTHS		3
Three males (all living)		1
One males and two females (all living)		2
Total multiple births	Number	264
	Male	259
	Female	272
Total single live births	Number	19421
	Male	10065
	Female	9356
Total single stillbirths	Number	299
	Male	168
	Female	131
Total confinements		19984

TABLE 5.—BIRTHS (EXCLUSIVE OF STILLBIRTHS) CLASSIFIED ACCORDING TO BIRTHPLACES OF PARENTS, IN ALBERTA, 1945

| Birthplace of Father | Total Fathers | Birthplace of Mother | | |

| | | |

TABLE 6.—BIRTHS (EXCLUSIVE OF STILLBIRTHS) CLASSIFIED ACCORDING TO AGES OF PARENTS IN ALBERTA, 1945

| Age of Father | Total | AGE OF MOTHER | | |

| | | |

TABLE 7.—BIRTHS (EXCLUSIVE OF STILLBIRTHS) CLASSIFIED ACCORDING TO RACIAL ORIGIN OF PARENTS, IN ALBERTA, 1945

Racial Origin of Father	Total Fathers	Racial Origin of Mother																																				
		English	Irish	Scottish	Other British	Austrian	Bulgarian	Czech and Slovak	Danish	Finnish	French	German	Greek	Hungarian	Icelandic	Italian	Lithuanian	Netherlands, Flemish, Walloon	Norwegian	Polish	Roumanian	Russian (Races of U.S.S.R.)	Swedish	Ukrainian	Yugoslavic	Other European	Chinese	Hindu (East Indian)	Japanese	Syrian	Other Asiatic	Indian	Jewish	Negro	Other races	Unspecified
British	8568	3030	1312	1690	121	47	2	33	109	23	369	500	2	25	16	34	3	229	330	104	27	165	199	152	1	10	....	....	....	2	....	24	3	1	1	4
English	3905	1671	472	686	53	20	1	16	41	14	148	206	1	10	8	9	1	98	147	50	9	76	87	68	....	3	....	....	....	....	....	8	1	....	....	1
Irish	2032	529	480	373	21	9	....	3	27	4	102	147	1	4	3	15	1	60	83	22	6	39	53	35	1	3	....	....	....	2	....	6	....	....	1	2
Scottish	2393	750	328	591	31	18	1	14	39	5	110	126	....	11	4	8	1	62	90	29	12	49	54	44	....	4	....	....	....	....	....	10	1	....	....	1
Other	238	80	32	40	16	....	....	....	2	....	9	21	....	....	1	2	....	9	10	3	....	1	5	5	....	....	....	....	....	....	....	....	1	1	....	....
European	9270	1096	619	634	69	91	....	177	116	32	989	1460	2	103	9	70	6	376	368	511	78	496	227	1704	26	11	1	....	....	....	....	47	5	1	....	6
Austrian	138	27	10	11	2	26	....	3	3	1	8	12	....	3	....	....	....	1	1	7	....	8	1	12	2	....	....	....	....	....	....	....	....	....	....	....
Bulgarian	4	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Czech and Slovak	164	14	8	8	1	....	....	54	1	2	4	10	....	2	....	4	....	3	3	13	2	3	3	25	3	....	1	....	....	....	....	....	....	....	....	....
Danish	315	79	34	42	6	3	....	4	46	1	6	29	....	1	1	1	....	15	15	6	1	4	13	7	....	....	....	....	....	....	....	1	....	....	....	....
Netherland, Flemish, Walloon	631	100	62	54	9	5	....	1	4	....	41	52	....	3	....	3	....	235	15	4	2	11	15	10	....	1	....	....	....	....	....	2	....	....	....	2
Finnish	47	9	4	3	....	....	....	....	3	12	4	4	....	....	....	....	....	1	....	1	....	2	2	....	....	....	....	....	....	....	....	2	....	....	....	....
French	1346	153	96	95	12	10	....	6	9	1	737	69	....	3	....	4	....	32	24	16	2	5	9	37	....	2	....	....	....	....	....	24	....	....	....	....
German	1943	233	154	140	11	12	....	10	19	2	67	1002	....	6	1	7	1	37	66	43	10	49	31	34	1	2	....	....	....	....	....	4	....	....	....	1
Greek	8	3	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	2	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Hungarian	130	14	6	4	1	1	....	4	2	....	2	7	....	69	....	1	....	1	1	2	1	8	1	2	2	....	....	....	....	....	....	....	....	....	....	1
Icelandic	29	7	6	5	....	....	....	....	1	....	2	3	....	....	3	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Italian	113	25	6	11	1	....	....	6	1	....	3	7	....	2	....	30	....	1	3	2	1	3	3	7	....	....	....	....	....	....	....	1	....	....	....	....
Lithuanian	19	2	1	1	....	....	....	....	1	....	1	2	....	....	....	....	4	....	....	1	....	3	....	2	....	....	....	....	....	....	....	....	1	....	....	....
Norwegian	755	158	86	102	11	6	....	1	10	2	31	68	....	3	....	4	....	19	159	14	1	12	49	10	1	1	....	....	....	....	....	6	....	1	....	....
Polish	647	49	22	26	1	7	....	7	1	4	16	50	....	3	....	5	....	10	8	252	3	28	4	150	....	....	....	....	....	....	....	....	1	....	....	....
Roumanian	98	10	6	5	....	1	....	1	1	....	4	4	....	....	....	....	....	....	....	4	30	7	1	22	....	....	....	....	....	....	....	....	1	....	....	1
Russian (Races of U.S.S.R.)	650	52	31	41	4	10	....	6	5	3	14	73	....	1	....	3	....	10	9	25	7	321	5	27	2	....	....	....	....	....	....	....	1	....	....	....
Swedish	463	97	52	60	10	5	....	3	7	3	19	35	....	1	3	2	....	8	44	8	1	10	79	9	....	....	....	....	....	....	....	5	1	....	....	1

Ukrainian		1703	54	31	22	....	3	....	8	2	1	27	29	1	5	1	6	1	2	14	111	15	17	8	1343	....	....	....	....	....	....	....	2	....	....	....	....
Yugoslavic		34	1	1	....	....	1	....	3	....	....	1	2	....	1	....	....	....	....	....	1	1	2	1	4	15	....	....	....	....	....	....	....	....	....	....	....
Other		33	9	2	4	....	....	....	....	....	....	2	1	....	....	....	....	....	1	3	1	1	2	1	1	....	5	....	....	....	....	....	....	....	....	....	....
Asiatic		149	5	1	2	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	1	1	2	1	6	....	....	23	....	102	1	1	1	....	....	....	....
Chinese		36	3	....	2	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	1	2	....	4	....	....	22	....	....	....	....	....	....	....	....	....
Hindu (East Indian)		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Japanese		105	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	102	....	1	....	....	....	....	....
Syrian		8	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	....	....	....	....	....	1	....	1	....	....	....	....
Other		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Indian		791	9	4	2	....	....	....	....	....	....	8	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	766	....	....	....	....
Jewish		68	4	2	5	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	1	1	1	....	....	....	....	....	....	....	....	....	....	52	....	....	....
Negro		21	1	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	18	....	....	....
Other races		1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Unspecified		21	4	5	3	....	....	....	....	1	....	1	2	....	....	....	....	....	1	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Children born to married mothers	Total	18889	4150	1943	2336	190	138	2	151	226	55	1369	1966	4	128	25	104	9	607	699	618	108	664	427	1862	27	21	24	....	102	3	1	838	60	20	1	11
	Male	9743	2152	959	1210	107	73	1	78	124	29	685	1015	....	64	12	59	5	314	376	332	58	327	232	955	13	11	11	....	47	3	....	444	28	10	1	8
	Female	9146	1998	984	1126	83	65	1	73	102	26	684	951	4	64	13	45	4	293	323	286	50	337	195	907	14	10	13	....	55	....	1	394	32	10	....	3
Children born to unmarried mothers	Total	1050	193	97	126	8	10	....	11	9	2	68	60	....	1	1	3	1	16	41	24	5	37	18	81	2	1	....	....	....	....	....	228	....	3	1	3
	Male	572	98	53	71	3	3	....	8	5	1	38	29	....	....	1	....	....	13	25	12	4	19	12	44	1	1	....	....	....	....	....	125	....	2	1	3
	Female	478	95	44	55	5	7	....	3	4	1	30	31	....	1	....	3	1	3	16	12	1	18	6	37	1	....	....	....	....	....	....	103	....	1	....	....
Children born to all mothers	Total	19939	4343	2040	2462	198	148	2	162	235	57	1437	2026	4	129	26	107	10	623	740	642	113	701	445	1943	29	22	24	....	102	3	1	1066	60	23	2	14
	Male	10315	2250	1012	1281	110	76	1	86	129	30	723	1044	....	64	13	59	5	327	401	344	62	346	244	999	14	12	11	....	47	3	....	569	28	12	2	11
	Female	9624	2093	1028	1181	88	72	1	76	106	27	714	982	4	65	13	48	5	296	339	298	51	355	201	944	15	10	13	....	55	....	1	497	32	11	....	3

TABLE 8.—TOTAL LIVE BIRTHS AND LIVE BIRTHS IN INSTITUTIONS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE OF MOTHERS IN ALBERTA, 1945

	All Live Births						Births in Institutions					
	Place of occurrence	Mothers' residence elsewhere		Births to resident mothers occurring elsewhere		Place of residence	Place of occurrence	Mothers' residence elsewhere		Births to resident mothers occurring elsewhere		Place of residence
		In Canada	In United States	In Canada	In United States			In Canada	In United States	In Canada	In United States	
Total for the Province	19906	219	27	278	1	19939	18165	216	27	265	1	18188

TABLE 9.—TOTAL LIVE BIRTHS AND LIVE BIRTHS IN INSTITUTIONS IN CITIES OF 5,000 POPULATION AND OVER, BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE OF MOTHERS, IN ALBERTA, 1945

Cities	All Live Births						Births in Institutions					
	Place of occurrence	Mothers' residence elsewhere		Births to resident mothers occurring elsewhere		Place of residence	Place of occurrence	Mothers' residence elsewhere		Births to resident mothers occurring elsewhere		Place of residence
		In Canada	In United States	In Canada	In United States			In Canada	In United States	In Canada	In United States	
Calgary	3013	850	.....	68	.....	2231	3006	848	.....	64	.....	2222
Edmonton	4672	1920	19	60	.....	2793	4659	1917	19	58	.....	2781
Lethbridge	845	450	.....	26	.....	421	825	437	.....	26	.....	414
Medicine Hat	610	319	1	10	.....	300	606	319	1	10	.....	296

TABLE 10—ORDER OF BIRTH OF LEGITIMATE CHILDREN BORN IN 1944 (INCLUDING STILLBORN CHILDREN), BY AGE AND RESIDENCE OF MOTHER

Order of Birth of Children	Total	Age of Mother													
		Under 15 yrs.	15 years	16 years	17 years	18 years	19 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45 years and over	Age not stated
TOTAL	19182	1	2	19	124	304	543	992	5532	5694	3974	2224	697	67	1
1st child	5715	1	2	18	108	255	404	787	2739	1450	551	168	18	1	....
2nd "	4931	....	....	1	14	46	121	182	1718	1742	947	301	39	2	....
3rd "	3206	....	....	....	2	3	15	20	742	1238	797	344	62	2	1
4th "	1891	....	....	....	....	....	3	3	246	650	567	349	72	4	....
5th "	1149	....	....	....	....	....	....	....	59	350	397	257	84	2	....
6th "	755	....	....	....	....	....	....	....	19	173	269	230	60	4	....
7th "	494	....	....	....	....	....	....	....	6	61	183	168	69	7	....
8th "	321	....	....	....	....	....	....	....	2	25	125	106	57	6	....
9th "	217	....	....	....	....	....	....	....	1	4	65	95	47	5	....
10th "	197	....	....	....	....	....	....	....	....	1	43	93	52	8	....
11th "	115	....	....	....	....	....	....	....	....	....	17	44	46	8	....
12th "	83	....	....	....	....	....	....	....	....	....	11	33	35	4	....
13th "	50	....	....	....	....	....	....	....	....	....	1	22	23	4	....
14th "	16	....	....	....	....	....	....	....	....	....	....	6	6	4	....
15th "	18	....	....	....	....	....	....	....	....	....	....	3	15	....	....
16th "	10	....	....	....	....	....	....	....	....	....	....	1	3	6	....
17th "	9	....	....	....	....	....	....	....	....	....	....	2	7	....	....
18th "	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....
19th "	2	....	....	....	....	....	....	....	....	....	....	....	2	....	....
20th and over	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....
Not stated	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....

TABLE 11.—DEATHS OF CHILDREN (EXCLUSIVE OF STILLBIRTHS) FROM CERTAIN SPECIFIED CAUSES IN FIRST YEAR OF LIFE BY SEX AND CALENDAR MONTH OF DEATH BY PLACE OF RESIDENCE IN ALBERTA, 1945

	CAUSES OF DEATH	Total under 1 year			MONTH OF DEATH																							
					January		February		March		April		May		June		July		August		September		October		November		December	
		Total	Male	Female	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
	ALL CAUSES	862	511	351	42	27	41	22	54	34	46	45	50	30	43	32	49	24	35	34	38	16	38	29	37	32	38	26
6	Cerebrospinal meningitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8	Scarlet fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9	Whooping cough	29	15	14	....	1	2	1	....	1	1	....	4	....	2	2	5	1	....	3	....	2	....	....	....	1	1	2
10	Diphtheria	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
11	Erysipelas	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13	Tuberculosis of the respiratory system	7	4	3	....	....	....	....	....	....	....	....	1	....	2	1	1	....	....	....	....	....	....	....	....	....	....	2
14-22	Tuberculosis, other forms	4	3	1	....	....	....	....	1	....	....	1	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
24	Purulent infection and septicaemia	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
27	Dysentery	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
30	Syphilis	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
33	Influenza	21	10	11	....	1	3	....	....	3	1	2	5	....	....	....	....	1	....	....	....	1	....	1	....	1	1	1
35	Measles	2	1	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
36	Acute poliomyelitis and polioencephalitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
64	Diseases of the thymus gland	4	2	2	....	....	1	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....
81	Meningitis (non-meningococcal)	5	2	3	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	2	....	....	1	....	....
86	Convulsions	6	4	2	1	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	....
89	Diseases of the ear and mastoid process	2	1	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
105	Diseases of the larynx	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....
106	Bronchitis	4	3	1	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....
107	Bronchopneumonia	109	73	36	7	3	9	4	13	3	5	7	10	2	3	2	2	3	5	3	4	1	4	3	7	3	4	2
108, 109	Pneumonia	39	22	17	4	1	1	2	4	1	1	3	3	3	2	....	....	2	1	1	1	1	2	1	2	1	1	1
115	Diseases of the buccal cavity and annexa and of the pharynx and tonsils	3	2	1	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....
116-118	Diseases of the stomach	2	1	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....
119	Diarrhoea and enteritis	65	44	21	2	1	5	....	2	2	2	4	3	....	4	1	5	....	3	3	4	4	6	3	4	3	4	....
130	Acute nephritis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
157	Congenital malformations	104	66	38	7	4	7	4	5	4	7	4	1	6	7	4	6	1	5	3	5	3	4	2	6	1	6	2
	(a) Congenital hydrocephalus	21	15	6	3	1	2	1	....	1	2	1	....	....	2	....	1	....	1	1	....	....	1	1	1	....	2	....
	(d) Congenital malformations of the heart	36	20	16	....	1	2	....	2	3	2	1	1	4	3	3	3	1	1	....	1	1	1	....	3	....	1	2
	(b, c, e) Others under this title	47	31	16	4	2	3	3	3	....	3	2	....	2	2	1	2	....	3	2	4	2	2	1	2	1	3	....
158	Congenital debility	16	8	8	1	1	....	1	1	....	2	1	....	....	1	1	....	2	....	1	....	....	....	1	1	....	2	....
159	Premature birth	241	130	111	10	5	6	8	16	13	15	10	12	11	10	13	14	8	11	10	8	1	13	9	9	15	6	8

160	Injury at birth	78	49	29	2	5	4	....	6	2	3	4	2	1	5	3	6	3	2	4	6	1	4	4	6	....	3	2
161	Other diseases peculiar to the first year of life	55	31	24	3	1	....	1	3	1	3	3	4	2	3	2	2	1	5	4	2	2	3	3	1	2	2	2
166-168	Homicides	1	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
169-195, 197	Other violent deaths	26	15	11	2	....	1	....	....	1	1	2	2	3	....	1	4	1	1	....	2	....	....	....	....	2	2	1
	Other specified causes	22	14	8	2	1	1	....	1	1	1	1	1	1	3	....	....	....	1	....	2	....	....	1	....	....	2	3
199, 200	Ill-defined and unknown causes of death	14	8	6	....	2	1	....	2	1	2	1	....	....	....	....	3	....	....	1	....	....	....	1	....	....	....	....

TABLE 12—INFANTILE DEATH AND STILLBIRTH RATES, ALSO NUMBER OF BIRTHS WITH OR WITHOUT A PHYSICIAN, BY DIVISIONS AND CITIES, BY PLACE OF RESIDENCE, 1945

Divisions and Cities	Death rate of children under one year of age to each 1,000 births			Births with or without a physician in attendance			Rates of stillborn children to 1,000 live births	
	Rate per 1000 live births	Number of deaths	Total births	With physician	Without physician	Not stated	Number of stillbirths	Rate per 1000 live births
Division No. 1—Medicine Hat (City of Medicine Hat excepted)	51	26	512	460	51	1	6	11.7
Division No. 2—Macleod (City of Lethbridge excepted)	46	52	1141	1012	121	8	12	10.5
Division No. 3—Bow	25	9	364	348	15	1	8	22.0
Division No. 4—Nanton	43	31	721	707	13	1	8	11.1
Division No. 5—Acadia	39	12	306	297	9	....	4	13.1
Division No. 6—Calgary (Cities of Calgary and Drumheller excepted)	56	68	1214	1145	66	3	26	21.4
Division No. 7—Battle River	29	23	782	777	5	....	9	11.5
Division No. 8—Red Deer (Cities of Red Deer and Wetaskiwin excepted)	42	64	1508	1409	95	4	19	12.6
Division No. 9—Rocky Mountain House	31	20	652	627	21	4	14	21.5
Division No. 10—Victoria	36	43	1208	1167	33	8	16	13.2
Division No. 11—Edmonton (City of Edmonton excepted)	42	53	1274	1175	79	20	28	22.0
Division No. 12—Edson	56	21	378	312	56	10	6	15.9
Division No. 13—Beaver River	57	58	1011	803	183	25	10	9.9
Division No. 14—Sturgeon	43	51	1190	1032	143	15	20	16.8
Division No. 15—Clearwater	68	38	556	420	122	14	8	14.4
Division No. 16—Peace River	41	29	706	646	57	3	11	15.6
Division No. 17—Athabasca	96	33	344	159	169	16	4	11.6
City of Edmonton	34	95	2793	2784	6	3	49	17.5
City of Calgary	40	90	2231	2225	6	....	35	15.7
City of Lethbridge	45	19	421	418	3	....	7	16.6
City of Medicine Hat	57	17	300	296	1	3	6	20.0
City of Red Deer	21	3	140	139	1	....	3	21.4
City of Drumheller	38	4	104	104	....	....	2	19.2
City of Wetaskiwin	36	3	83	83	....	....	1	12.0
Divisions	46	631	13867	12496	1238	133	209	15.1
Cities	38	231	6072	6049	17	6	103	17.0
Whole Province	43	862	19939	18545	1255	139	312	15.6

TABLE 13.—DEATHS OF CHILDREN (EXCLUSIVE OF STILLBIRTHS) FROM CERTAIN SPECIFIED CAUSES IN FIRST YEAR OF LIFE, BY SEX AND AGE AT DEATH BY PLACE OF RESIDENCE IN ALBERTA, 1945

	CAUSES OF DEATH	Total under 1 year			AGE AT DEATH																													
					Under 1 day		1 day and under 1 week		1 week and under 2 weeks		2 weeks and under 3 weeks		3 weeks and under 1 month		1 month and under 2 mos.		2 months and under 3 mos.		3 months and under 4 mos.		4 months and under 5 mos.		5 months and under 6 mos.		6 months and under 7 mos.		7 months and under 8 mos.		8 months and under 9 mos.		9 months and under 10 mos.		10 months and under 11 mos.		11 months and under 12 mos.	
		Total	Male	Female	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
	ALL CAUSES	862	511	351	143	107	96	58	31	18	17	12	18	7	41	27	45	31	29	25	24	17	13	9	10	16	9	3	13	5	9	6	10	6	3	4
6	Cerebrospinal meningitis																																			
8	Scarlet fever																																			
9	Whooping-cough	29	15	14									1		2	3	6	2	1	3	1	2	2	1		1			2				1		1
10	Diphtheria																																			
11	Erysipelas																																			
13	Tuberculosis of the respiratory system	7	4	3											2						1						1			1		1				1
14-22	Tuberculosis, other forms	4	3	1														1			1							1				1			
24	Purulent infection and septicaemia																																			
27	Dysentery	1	1												1																					
30	Syphilis	1	1												1																					
33	Influenza	21	10	11					1		1	1		1	1		1	1	2	3	2	3				1	2	1								
35	Measles	2	1	1																					1						1					
36	Acute poliomyelitis and polioencephalitis																																			
64	Diseases of the thymus gland	4	2	2			1										1		1				1													
81	Meningitis (non-meningococcal)	5	2	3																	2	1				1					1					
86	Convulsions	6	4	2				1										1	2		1				1										
89	Diseases of the ear and of the mastoid process	2	1	1													1															1			
105	Diseases of the larynx	1	1														1																		
106	Bronchitis	4	3	1											2					1	1														
107	Bronchopneumonia	109	73	36	1		2		2	1	2	1	6	2	9	7	11	5	8	1	7	5	3	2	1	4	3	2	7	3	5	1	4	2	2	
108, 109	Pneumonia	39	22	17			2	2					1	1	3	2	4	3	1	3			4	1	2	3	1				2		2	1		1
115	Diseases of the buccal cavity and annexa and of the pharynx and tonsils	3	2	1													1							1						1					
116-118	Diseases of the stomach	2	1	1														1	1																	
119	Diarrhoea and enteritis	65	44	21					3	1	2	2	4		11	5	10	7	5	2	3	1		2	3	1	1		2							
130	Acute nephritis																																			

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TABLE 14.—TOTAL DEATHS (EXCLUSIVE OF STILLBIRTHS) AND DEATHS IN INSTITUTIONS OF CHILDREN UNDER ONE YEAR OF AGE IN CITIES OF 5,000 POPULATION AND OVER, BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE IN ALBERTA, 1945

Cities	All Deaths under one year						Deaths in Institutions					
	Place of occurrence	Residence elsewhere		Deaths of residents occurring elsewhere		Place of residence	Place of occurrence	Residence elsewhere		Deaths of residents occurring elsewhere		Place of residence
		In Canada	In United States	In Canada	In United States			In Canada	In United States	In Canada	In United States	
Cities:												
Calgary	122	38	....	6	....	90	110	37	....	6	....	79
Edmonton	155	61	....	1	....	95	137	58	....	1	....	80
Lethbridge	34	16	....	1	....	19	30	16	....	1	....	15
Medicine Hat	26	9	....	....	....	17	23	9	....	....	....	14

TABLE 15—TOTAL DEATHS (EXCLUSIVE OF STILLBIRTHS) AND DEATHS IN INSTITUTIONS OF CHILDREN UNDER ONE YEAR OF AGE, BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE IN ALBERTA, 1945

	All Deaths under one year						Deaths in Institutions					
	Place of occurrence	Residence elsewhere		Deaths of residents occurring elsewhere		Place of residence	Place of occurrence	Residence elsewhere		Deaths of residents occurring elsewhere		Place of residence
		In Canada	In United States	In Canada	In United States			In Canada	In United States	In Canada	In United States	
Total for the Province	858	5	....	8	1	862	607	5	....	6	1	609

TABLE 16.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE FOR THE WHOLE PROVINCE, 1945

CAUSES OF DEATH		Total	AGES																									
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
DEATHS—ALL CAUSES	Total	6454	862	92	46	34	24	78	70	113	130	133	118	133	168	213	306	444	636	689	681	657	455	263	84	21	2	2
	Male	3907	511	48	20	21	11	42	40	75	70	71	54	70	113	125	204	278	414	467	445	377	260	144	35	9	2	1
	Female	2547	351	44	26	13	13	36	30	38	60	62	64	63	55	88	102	166	222	222	236	280	195	119	49	12	....	1
CLASS I.—INFECTIOUS AND PARASITIC DISEASES	Total	459	69	23	12	7	4	26	23	27	36	27	22	21	26	14	27	21	22	19	11	12	5	3	....	2	....	....
	Male	254	38	9	5	4	2	16	8	15	16	14	9	11	19	9	20	13	15	11	6	7	4	3	....	....	....	....
	Female	265	31	14	7	3	2	10	15	12	20	13	13	10	7	5	7	8	7	8	5	5	1	....	....	2	....	....
1 Typhoid fever	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	2	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2 Paratyphoid fever	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5 Undulant fever	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6 Cerebrospinal meningitis	Male	2	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
8 Scarlet fever	Male	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9 Whooping cough	Male	21	15	4	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	22	14	5	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
10 Diphtheria	Male	6	....	....	1	1	....	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	3	....	....	1	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
11 Erysipelas	Male	2	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
12 Tetanus	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13-22 Tuberculosis **Total**	**Male**	137	7	2	2	2	2	10	7	13	16	13	8	7	9	7	11	8	6	2	1	4	....	....	....	....	....	....
	Female	126	4	4	5	1	1	9	14	9	18	12	10	9	5	4	4	5	5	4	2	1	....	....	....	....	....	....
13 Tuberculosis of the respiratory system **Sub-total**	Male	108	4	....	1	....	....	8	4	11	12	13	6	6	8	7	9	6	6	2	1	4	....	....	....	....	....	....
	Female	92	3	2	1	1	1	4	6	8	13	12	9	6	4	3	4	4	4	4	2	1	....	....	....	....	....	....
(a) With mention of occupational diseases of lungs	Male	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Without mention of occupational diseases of lungs	Male	92	1	....	1	....	....	4	4	10	11	13	6	4	8	6	6	5	6	2	1	4	....	....	....	....	....	....
	Female	82	2	2	....	....	1	4	4	8	13	12	9	5	3	2	3	3	4	4	2	1	....	....	....	....	....	....
(c) Unspecified site	Male	12	3	....	....	....	....	4	....	1	1	....	....	2	....	1	....	....	....	....	....	....	....	....	....	....	....	....
	Female	10	1	....	1	1	....	....	2	....	....	....	....	1	1	1	1	1	....	....	....	....	....	....	....	....	....	....

TABLE 16.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE FOR THE WHOLE PROVINCE, 1945—Continued

	CAUSES OF DEATH		Total	AGES																										
				Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
	(d) With mention of dementia praecox	Male	2														2											
		Female																										
14	Tuberculosis of the meninges and central nervous system	Male	15	3	1	1	2		1	3	1	1		1		1												
		Female	16	1	1	4			3	5		1		1														
15	Tuberculosis of the intestines and peritoneum	Male	5					1				2		1				1										
		Female	5		1							1			2					1								
16	Tuberculosis of the vertebral column	Male	2												1			1										
		Female	1													1												
17	(a) Tuberculosis of the bones	Male																										
		Female																										
	(b) Tuberculosis of the joints	Male																										
		Female																										
18	Tuberculosis of the skin and sub-cutaneous cellular tissue	Male																										
		Female																										
19	Tuberculosis of the lymphatic system (bronchial, mesenteric, mediastinal and retroperitoneal glands excepted)	Male																										
		Female	1															1										
20	Tuberculosis of the genito-urinary system	Male	2								1							1										
		Female	1														1											
21	Tuberculosis of other organs	Male																										
		Female	1												1													
22	(a) Acute generalized miliary tuberculosis	Male	2		1				1																			
		Female	6						1	2	1	2																
	(b) Other and unspecified generalized tuberculosis	Male	3					1				1							1									
		Female	3						1	1		1																
24	Purulent infection and septicaemia	Male	2																	1	1							
		Female	1						1																			
25	Gonococcus infection	Male	1	1																								
		Female	1												1													
26	Other diseases due to bacteria	Male																										
		Female																										
27	Dysentery	Male	4	1	1																			1	1			
		Female																										
28	Malaria	Male																										
		Female																										

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TABLE 16.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE FOR THE WHOLE PROVINCE, 1945—Continued

CAUSES OF DEATH		Total	AGES																									
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
CLASS II.—CANCER AND OTHER TUMOURS	**Total**	858	1	2	2	1	3	8	2	7	5	9	18	22	30	48	63	100	129	134	125	82	39	25	3	....	....	....
	Male	497	....	1	2	....	....	2	1	4	3	5	6	8	18	20	29	44	79	98	86	55	22	13	1	....	....	....
	Female	361	1	1	....	1	3	6	1	3	2	4	12	14	12	28	34	56	50	36	39	27	17	12	2	....	....	....
45-55 Cancer and other malignant tumours	**Total** Male	488	....	1	2	....	....	2	1	4	3	5	6	7	18	18	28	44	76	98	84	55	22	13	1	....	....	....
	Female	342	....	1	....	1	3	6	1	3	....	4	9	13	12	25	33	52	50	36	38	21	15	12	2	....	....	....
45 Cancer of the buccal cavity and pharynx	Male	14	....	....	....	....	....	....	....	....	1	1	....	....	....	....	1	2	....	2	1	4	2	....	....	....	....	....
	Female	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	1	....	....	....	....	....	....
46 Cancer of the digestive organs and peritoneum	**Sub-total** Male	271	....	....	....	....	....	....	....	1	1	1	1	1	9	13	18	26	45	56	50	31	10	7	1	....	....	....
	Female	137	....	1	....	....	....	....	....	....	....	1	1	....	3	5	9	21	27	16	21	14	10	7	1	....	....	....
(a) Of the oesophagus	Male	11	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	4	2	2	1	....	....	....	....	....	....
	Female	2	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....
(b) Of the stomach	Male	133	....	....	....	....	....	....	....	1	....	....	1	1	6	9	11	11	22	22	21	19	6	3	....	....	....	....
	Female	34	....	....	....	....	....	....	....	....	....	1	....	....	....	1	3	4	4	2	6	3	5	5	....	....	....	....
(c) Of the duodenum	Male	3	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	1	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
(d) Of the rectum and anus	Male	28	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	3	4	6	5	2	2	3	....	....	....	....
	Female	18	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	6	4	2	1	1	1	....	....	....	....
(e) Of the intestines	Male	50	....	....	....	....	....	....	....	....	1	....	....	....	1	2	2	4	9	13	10	5	2	....	1	....	....	....
	Female	46	....	....	....	....	....	....	....	....	....	....	....	....	3	3	4	7	10	4	6	5	2	1	1	....	....	....
(f) Of the liver and biliary passages	Male	23	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4	3	6	7	2	....	1	....	....	....	....
	Female	22	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	4	2	5	5	2	2	....	....	....	....	....
(g) Of the pancreas	Male	17	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	3	6	4	2	....	....	....	....	....	....
	Female	14	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	2	5	....	2	3	....	....	....	....	....	....
(h) Of the mesentery and peritoneum	Male	4	....	....	....	....	....	....	....	....	....	1	....	....	1	....	1	1	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(m) Other and unspecified sites	Male	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
47 Cancer of the respiratory system	**Sub-total** Male	47	....	....	....	....	....	....	....	1	1	1	1	3	1	2	3	8	7	7	8	2	2	....	....	....	....	....
	Female	8	....	....	....	....	....	....	....	....	....	....	1	....	....	2	1	2	2	....	....	....	....	....	....	....	....	....
(a) Of the larynx	Male	9	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	3	2	....	1	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
(b) Of the lung	Male	20	....	....	....	....	....	....	....	....	1	....	1	....	....	1	2	3	4	3	4	....	1	....	....	....	....	....
	Female	6	....	....	....	....	....	....	....	....	....	....	1	....	....	2	1	....	2	....	....	....	....	....	....	....	....	....
(c) Of the Mediastinum and other sites	Male	18	....	....	....	....	....	....	....	1	....	1	....	3	....	1	1	5	1	1	2	2	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....

48	Cancer of the uterus ..... **Sub-total**	Female	47												2	4	1	7	9	9	6	2	4	1	1		1				
	(a) Of the cervix	Female	26												2	1	1	4	6	6	2	2	1	1							
	(b) Of other and unspecified sites	Female	21													3		3	3	3	4		3		1		1				
49	Cancer of other female organs	Female	20										1	2	2		3	1			3	2	4	1	1						
50	Cancer of the breast	Male																													
		Female	69										1	3	6	4	7	6	12		6	10	6	3	1	4					
51	Cancer of the male genital organs	Male	56		1					1				2		2	1				3	13	15	10	4	4					
52	Cancer of the urinary organs ..... **Sub-total**	Male	34													1		2	5		9	9	3	4	1						
		Female	13										1				1	1	2		1	4		3							
	(a) Of the kidney	Male	18													1		1	2		3	7	3	1							
		Female	7																2		1	2		2							
	(b) Of the bladder	Male	15																3		6	2		3	1						
		Female	5										1				1	1				1		1							
	(c) Of other and unspecified sites	Male	1															1													
		Female	1																			1									
53	Cancer of the skin	Male	9										1	1							2	2	2	1							
		Female	2															1			1										
54	Cancer of the brain	Male	13			1									2	3	1				4	1				1					
		Female	12				1	2	4	1	1					2									1						
55	Cancer of other and unspecified organs	Male	44			1			2	1	1		1	1	1	2	1	4	3		6	8	5	3	3	1					
		Female	31					1	2		2				1	2		5	5		4	1	3	3	1	1					
56	Non-malignant tumours ..... **Total**	**Male**	4														1				1		2								
		Female	11	1								1		1			3	1	2				1		1						
	(a) Of the ovary	Female	3									1							1				1								
	(b) Of the uterus	Female	6											1			2	1	1						1						
	(c) Of other female genital organs	Female																													
	(d) Of the brain and other parts of the central nervous system	Male	2																		1		1								
		Female	2	1													1														
	(e) Of other and unspecified organs	Male	2														1						1								
		Female																													
57	Tumours of undetermined nature ..... **Total**	**Male**	5												1		1	1			2										
		Female	8									1		2	1				2					1	1						
	(a) Of the ovary	Female																													
	(b) Of the uterus	Female																													
	(c) Of other female genital organs	Female																													
	(d) Of the brain and other parts of the central nervous system	Male	5												1		1	1			2										
		Female	7									1		2	1				1					1	1						
	(e) Of other and unspecified organs	Male																													
		Female	1																1												

TABLE 16.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE FOR THE WHOLE PROVINCE, 1945—Continued

CAUSES OF DEATH		Total	AGES																								
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
CLASS III.—RHEUMATISM, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS, OTHER GENERAL AND VITAMIN DEFICIENCY DISEASES	**Total**	191	4	....	2	....	1	3	5	6	4	6	6	4	4	5	7	6	22	34	26	24	17	3	2	....	....	....
	Male	88	2	....	1	....	....	3	2	5	2	2	3	1	3	2	6	1	8	16	12	9	9	1	....	....	....	....
	Female	103	2	....	1	....	1	....	3	1	2	4	3	3	1	3	1	5	14	14	14	15	8	2	2	....	....	....
58 Acute rheumatic fever	**Total**	10	....	....	....	....	....	1	2	3	1	1	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....
	Female	6	....	....	....	....	1	....	1	....	....	1	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....
(a) Acute rheumatic heart conditions	Male	8	....	....	....	....	....	1	1	3	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	6	....	....	....	....	1	....	1	....	....	1	1	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....
(b) Others under this title	Male	2	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
59 Chronic rheumatism and other rheumatic diseases	Male	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	1	....	....	....	....	....
	Female	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	2	....	....	....	....
60 Gout	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
61 Diabetes mellitus	Male	68	....	....	1	....	....	1	....	1	1	1	3	....	3	1	5	1	6	15	11	9	8	1	....	....	....	....
	Female	75	....	....	....	....	....	....	1	1	1	1	....	....	....	2	1	4	13	15	12	14	8	....	2	....	....	....
62 Diseases of the pituitary gland	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
63 Diseases of the thyroid and parathyroid glands	**Total**	4	....	....	....	....	....	....	....	1	....	....	....	....	....	1	1	....	1	....	....	....	....	....	....	....	....	....
	Female	15	....	....	....	....	....	....	1	....	1	1	2	2	1	1	....	1	1	2	1	1	....	....	....	....	....	....
(a) Simple goitre	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	3	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
(b) Exophthalmic goitre	Male	4	....	....	....	....	....	....	....	1	....	....	....	....	....	1	1	....	1	....	....	....	....	....	....	....	....	....
	Female	11	....	....	....	....	....	....	1	....	1	1	....	2	1	1	....	1	....	2	1	....	....	....	....	....	....	....
(c) Myxoedema and cretinism	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(d) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....
64 Diseases of the thymus gland	Male	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	3	2	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
65 Diseases of the adrenal glands (Addison's disease)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
66 Other general diseases	**Total**	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

67	Scurvy	Male																													
		Female																													
70	Rickets	Male	1					1																							
		Female																													
71	Other vitamin deficiency diseases	Male																													
		Female	1									1																			
CLASS IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS		**Total**	67	2	4	3	1	2	1	1	4	2	2	1	2	1	9	3	5	6	9	5	3	1							
		Male	41	2	2		1	1	1	1	2	1	2	1	1	6	3	2	4	5	2	3	1								
		Female	26		2	3		1			2	1			1	3		3	2	4	3										
72	Haemorrhagic conditions	**Sub-total** Male	3	1						1		1																			
		Female	5			1						1				1		1		1											
	(a) Primary purpura	Male	2							1		1																			
		Female	5			1						1				1		1		1											
	(b) Haemophilia	Male	1	1																											
		Female																													
	(c) Others under this title	Male																													
		Female																													
73	Anaemias	**Sub-total** Male	16	1	1													1	1	2	4	2	3	1							
		Female	8		1														1	1	2	3									
	(a) Pernicious Anaemia	Male	10															1	1	2	4	1	1								
		Female	6																1		2	3									
	(b) Others under this title	Male	6	1	1																	1	2	1							
		Female	2		1															1											
74	Leukaemias and aleukaemias	**Sub-total** Male	22		1		1	1	1		2			2	1	1			6	2	1	2	1								
		Female	11		1	2		1			2						1		2		1		1								
	(a) Leukaemias	Male	21		1		1	1	1		1			2	1	1			6	2	1	2	1								
		Female	11		1	2		1			2						1		2		1		1								
	(b) Aleukaemias (Hodgkin's disease excepted)	Male	1								1																				
		Female																													
75	Diseases of the spleen	Male																													
		Female	1																		1										
76	Other diseases of the blood and blood-forming organs	Male																													
		Female	1												1																
CLASS V.—CHRONIC POISONING AND INTOXICATION		**Total**	6									1			1		1	2		1											
		Male	6									1			1		1	2		1											
		Female																													
77	Alcoholism	**Sub-total** Male	3									1					1			1											
		Female																													
	(a) Acute alcoholism	Male	2									1								1											
		Female																													
	(b) Chronic alcoholism	Male	1														1														
		Female																													
78	Lead poisoning	Male																													
		Female																													
	(a) Occupational	Male																													
		Female																													
	(b) Non-occupational	Male																													
		Female																													

TABLE 16.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE FOR THE WHOLE PROVINCE, 1945—Continued

CAUSES OF DEATH		Total	AGES																								
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
79 Chronic poisoning by other mineral and organic substances, non-occupational	Male	3													1			2									
	Female																										
CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	**Total**	622	22	5	1	1		4	7	8	2	7	7	7	9	18	22	45	66	93	93	97	70	25	12	1		
	Male	329	13	3		1			4	3		5	4	5	4	9	11	25	28	53	52	47	43	15	4			
	Female	293	9	2	1			4	3	5	2	2	3	2	5	9	11	20	38	40	41	50	27	10	8	1		
80 Encephalitis (non-epidemic)	**Total** **Male**	8							1	1		1	1					1	1	1		1						
	Female	2	1		1																							
(a) Intracranial abscess	Male	1																1										
	Female																											
(b) Others under this title	Male	7							1	1		1	1						1	1		1						
	Female	2	1		1																							
81 Meningitis (non-meningococcal)	**Total** **Male**	4	2			1									1													
	Female	10	3	2					2	2										1								
(a) Simple meningitis	Male	4	2			1									1													
	Female	10	3	2					2	2										1								
(b) Acute cerebrospinal meningitis	Male																											
	Female																											
82 Diseases of the medulla and spinal cord	Male	9							1	1						1	1	1	1	3								
	Female	5												1		2	1			1								
83 Intracranial lesions of vascular origin	**Total** **Male**	265	3	1					1			2		3	2	5	8	19	25	43	48	44	43	14	4			
	Female	248	1							1	2	1	1	1	4	6	8	17	37	34	41	48	27	10	8	1		
(a) Cerebral haemorrhage of effusion	Male	129	2	1					1			2		2	2	4	4	8	13	20	22	18	21	7	2			
	Female	130	1							1	1	1	1	1	3	3	3	11	17	20	17	26	16	6	2			
(b) Cerebral embolism and thrombosis	Male	12												1				3	2	2	1	2	1					
	Female	5																	2	1		1	1					
(c) Cerebral softening	Male	1																			1							
	Female	2																			1	1						
(d) Hemiplegia and other paralysis of unspecified origin	Male	7	1																1		1	1	1	2				
	Female	12									1					1	1	1		1	1	1	2		3			
(e) With mention of arteriosclerosis	Male	116														1	4	8	9	21	23	23	20	5	2			
	Female	99													1	2	4	5	18	12	22	19	8	4	3	1		
84 Mental disorders and deficiency (general paralysis of the insane excepted)	**Total** **Male**	4	1	1													1		1									
	Female	4	1					1									2											
(a) Schizophrenia (dementia praecox)	Male	1															1											
	Female																											

	(b) Others under this title	Male	3	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
		Female	4	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..
85	Epilepsy	Male	9	2	..	..	..	..	..	..	..	..	1	..	..	1	1	1	..	2	..	..	..	..	..	..	1	..	..	..	..
		Female	6	..	..	..	..	..	1	..	2	..	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
86	Convulsions (under 5 years of age)	Male	4	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
87	Other diseases of the nervous system **Total**	**Male**	**20**	..	..	..	..	..	..	..	**1**	..	**1**	**2**	..	..	**1**	**1**	**2**	..	..	**6**	**4**	**2**	..	..	..	..	..	..	..
		Female	**10**	..	..	..	..	..	..	**1**	..	..	..	**1**	..	**1**	..	..	**3**	..	..	**3**	..	**1**	..	..	..	..	..	..	..
	(a) Chorea	Male	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Neuritis	Male	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
	(c) Paralysis agitans	Male	8	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	2	3	1	..	..	..	..	..	..	..
		Female	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
	(d) Disseminated sclerosis	Male	10	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	1	..	..	4	1	1	..	..	..	..	..	..	..
		Female	5	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	3	..	1	..	..	..	..	..	..	..
	(e) Others under this title	Male	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	3	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
88	Diseases of organs of vision	Male	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..
89	Diseases of the ear and of the mastoid process	Male	6	1	1	..	..	..	..	1	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	4	1	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
	(a) Otitis and other diseases of the ear	Male	5	..	1	..	..	..	..	1	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	4	1	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
	(b) Diseases of the mastoid process	Male	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM		**Total**	**1791**	..	..	..	..	**1**	..	**1**	**4**	**4**	**13**	**10**	**20**	**30**	**55**	**92**	**162**	**238**	**255**	**277**	**279**	**196**	**117**	**28**	**8**	**1**	..	..	..	..
		Male	**1187**	..	..	..	..	**1**	..	**1**	**3**	..	**5**	**4**	**13**	**26**	**36**	**69**	**120**	**175**	**179**	**189**	**167**	**117**	**64**	**14**	**3**	**1**	..	..	..	..
		Female	**604**	..	..	..	..	..	..	..	**1**	**4**	**8**	**6**	**7**	**4**	**19**	**23**	**42**	**63**	**76**	**88**	**112**	**79**	**53**	**14**	**5**	..	..	..	..	..
90-95	Diseases of the heart **Total**	**Male**	**1098**	..	..	..	..	**1**	..	**1**	**3**	..	**3**	**4**	**12**	**24**	**35**	**66**	**116**	**164**	**173**	**172**	**147**	**107**	**55**	**11**	**3**	**1**	..	..	..	..
		Female	**545**	..	..	..	..	..	..	..	**1**	**3**	**8**	**6**	**7**	**4**	**19**	**18**	**39**	**61**	**73**	**78**	**101**	**68**	**47**	**10**	**2**	..	..	..	..	..
90	Pericarditis (acute rheumatic excluded)	Male	3	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(a) Chronic rheumatic pericarditis	Male	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Others under this title	Male	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
91	Acute endocarditis (non-rheumatic) **Sub-total**	Male	5	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	3	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
	(a) Bacterial endocarditis (acute, subacute or unspecified)	Male	5	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	2	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Other acute or subacute endocarditis	Male	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(c) Endocarditis (not specified under 45 years)	Male	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
92	Chronic affections of the valves and endocardium **Sub-total**	Male	104	..	..	..	..	..	..	..	..	..	1	1	2	3	4	9	12	16	11	20	14	7	4	..	..	..	..	..	..
		Female	68	..	..	..	..	..	..	..	..	..	4	1	4	1	2	2	5	6	11	8	11	7	6	..	..	..	..	..	..

TABLE 16.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE FOR THE WHOLE PROVINCE, 1945—Continued

CAUSES OF DEATH		Total	AGES																										
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
(a) Specified valvular diseases (rheumatic)	Male	43	....	....	....	....	....	....	....	....	....	1	....	1	3	3	5	4	8	4	8	4	2	....	....	....	....	....
	Female	32	....	....	....	....	....	....	....	....	....	3	1	4	1	2	....	2	3	6	2	6	1	1	....	....	....	....
(b) Other specified valvular diseases (non-rheumatic)	Male	47	....	....	....	....	....	....	....	....	....	....	1	1	....	....	3	8	6	4	9	8	3	4	....	....	....	....
	Female	33	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	3	3	5	6	4	6	4	....	....	....	....
(c) Unspecified valvular lesions and endocarditis	Male	14	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	2	3	3	2	2	....	....	....	....	....
	Female	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	1	....	....	....	....
93 Diseases of the myocardium	**Sub-total** Male	475	....	....	....	....	1	....	....	2	....	....	....	1	9	9	20	30	65	70	80	77	72	30	8	....	1	....
	Female	301	....	....	....	....	....	....	....	....	1	3	2	2	2	9	5	15	29	41	42	67	44	32	5	2	....	....
(a) Acute myocarditis	Male	9	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	3	1	1	1	1	....	....	....	....	....	....
	Female	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	....	....	2	....	....	....	....	....
(b) Myocarditis (not specified under 45 years)	Male	3	....	....	....	....	....	....	....	1	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	2	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Chronic myocarditis and myocardial degeneration (rheumatic)	Male	16	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	1	3	5	2	....	2	....	....	....	....	....
	Female	19	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	2	2	2	5	4	1	1	....	....	....
(d) Chronic myocarditis (non-rheumatic)	Male	379	....	....	....	....	....	....	....	1	....	....	....	1	6	8	15	20	56	56	67	62	56	24	6	....	1	....
	Female	224	....	....	....	....	....	....	....	....	1	2	1	2	1	6	3	13	19	31	31	54	30	26	2	2	....	....
(e) Other myocarditis (not specified)	Male	68	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	6	5	8	10	14	14	6	2	....	....	....
	Female	51	....	....	....	....	....	....	....	....	....	....	....	....	....	3	1	1	7	7	9	8	8	5	2	....	....	....
94 Diseases of the coronary arteries and angina pectoris	**Total** **Male**	**446**	....	....	....	....	....	....	....	1	....	....	3	9	9	20	29	57	73	82	68	47	20	18	2	2	....	....
	Female	**141**	....	....	....	....	....	....	....	....	1	....	1	....	1	5	9	14	25	20	23	18	14	6	4	....	....	....
(a) Diseases of the coronary arteries	Male	430	....	....	....	....	....	....	....	1	....	....	3	9	9	20	28	57	71	79	66	46	20	17	2	2	....	....
	Female	139	....	....	....	....	....	....	....	....	1	....	1	....	1	5	9	13	25	20	22	18	14	6	4	....	....	....
(b) Angina pectoris	Male	10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	3	2	1	....	1	....	....	....	....
	Female	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....
95 Other diseases of the heart	**Sub-total** Male	71	....	....	....	....	....	....	....	....	....	2	....	....	3	1	5	14	10	10	4	9	8	3	1	1	....	....
	Female	32	....	....	....	....	....	....	....	....	1	1	1	1	....	3	2	4	1	1	5	5	3	3	1	....	....	....
(a) Functional diseases of the heart (no organic lesion)	Male	4	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	1	....	....	1	....	....	....	....	....	....
	Female	6	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	1	1	1	1	....	....	....	....
(b) Other diseases of the heart (rheumatic)	Male	10	....	....	....	....	....	....	....	....	....	1	....	....	1	2	2	....	1	4	....	....	....	....	....	....	....	....
	Female	7	....	....	....	....	....	....	....	....	....	....	1	....	....	1	2	1	....	....	2	....	....	....	....	....	....	....
(c) Other diseases of the heart (non-rheumatic)	Male	57	....	....	....	....	....	....	....	....	....	1	....	....	1	....	3	13	8	6	4	8	8	3	1	1	....	....
	Female	19	....	....	....	....	....	....	....	....	1	....	....	1	....	2	....	2	1	1	2	4	2	2	1	....	....	....
96 Aneurysm (heart and aorta excepted)	Male	4	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	2	....	....	1	....	....	....	....	....	....
	Female	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	1	....	....	....	....

97	Arteriosclerosis (coronary or renal sclerosis or cerebral haemorrhage excepted)	Male	57	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	2	3	2	13	16	9	7	3	....	....	....
		Female	36	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	6	7	10	4	4	3	....	....
98	Gangrene	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	1	....	....	....	....
99	Other diseases of the arteries	Male	17	....	....	....	....	....	....	....	....	1	....	....	1	....	1	1	3	3	3	2	1	1	....	....	....	....	....
		Female	6	....	....	....	....	....	....	....	1	....	....	....	....	....	1	2	....	1	....	1	....	....	....	....	....	....	....
100	Diseases of the veins	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
		Female	4	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	1	1	....	....	....	....	....	....	....
101	Diseases of the lymphatic system	Male	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
102	High blood pressure (idiopathic)	Male	8	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	3	....	1	1	....	1	....	....	....	....	....
		Female	7	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	1	2	1	....	....	....	....	....	....	....
103	Other diseases of the circulatory system	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS VIII.—DISEASES OF THE RESPIRATORY SYSTEM		**Total**	**446**	**156**	**22**	**8**	**2**	**4**	**8**	**4**	**4**	**3**	**8**	**6**	**6**	**5**	**11**	**10**	**17**	**38**	**22**	**32**	**30**	**24**	**16**	**5**	**5**	....	....
		Male	**272**	**100**	**13**	**4**	**2**	**1**	**2**	**3**	**3**	**1**	**5**	**5**	....	**3**	**6**	**7**	**14**	**29**	**14**	**17**	**15**	**13**	**9**	**2**	**4**	....	....
		Female	**174**	**56**	**9**	**4**	....	**3**	**6**	**1**	**1**	**2**	**3**	**1**	**6**	**2**	**5**	**3**	**3**	**9**	**8**	**15**	**15**	**11**	**7**	**3**	**1**	....	....
104	Diseases of the nasal fossae and accessory sinuses	Male	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	3	....	....	....	....	....	....	....	....	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
105	Diseases of the larynx	Male	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
		Female	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
106	Bronchitis	Male	11	3	1	1	1	....	....	....	....	1	....	....	....	....	....	1	....	1	....	....	....	2	....	....	....	....	....
		Female	9	1	....	1	....	....	1	....	....	....	....	....	....	....	....	....	1	....	2	....	2	....	....	....	....	....	....
	(a) Acute	Male	6	3	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	3	1	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Chronic	Male	5	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	1	....	....	....	2	....	....	....	....	....
		Female	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	1	....	1	....	....	....	....	....
	(c) Unspecified	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....
107	Broncho pneumonia	Male	142	73	12	....	1	....	1	2	1	1	1	3	....	1	3	....	2	10	6	9	4	7	4	1	....	....	....
		Female	85	36	7	2	....	....	1	1	....	1	1	....	1	....	....	2	....	1	5	7	9	7	3	....	1	....	....
108	Lobar pneumonia	Male	68	11	....	1	....	....	....	....	2	....	1	2	....	1	1	5	8	9	5	4	9	6	2	....	1	....	....
		Female	32	8	1	....	....	1	1	....	....	1	1	1	1	2	....	1	....	3	....	4	4	....	3	....	....	....	....
109	Pneumonia (unspecified)	Male	21	11	....	1	....	1	1	1	....	....	1	....	....	....	....	....	....	2	1	1	....	....	....	1	....	....	....
		Female	19	9	....	1	....	....	3	....	....	....	....	....	1	....	....	....	....	2	1	1	1	....	....	....	....	....	....
110	Pleurisy	Male	4	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	1	....	1	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(a) Empyema	Male	3	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	1	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Others under this title	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
111	Haemorrhagic infarction, congestion, oedema and thrombosis of the lungs	Male	7	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	1	1	1	....	....	....	2	....	....	....
		Female	9	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	1	1	....	2	....	3	....	....	....	....
	(a) Haemorrhagic infarction and thrombosis of the lungs	Male	4	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	1	1	....	....	....	....	....	....	....
		Female	3	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....

TABLE 16.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE FOR THE WHOLE PROVINCE, 1945—Continued

CAUSES OF DEATH		Total	AGES																									
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
(b) Others under this title	Male	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	2	....	....
	Female	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	....	3	....	....	....
112 Asthma	Male	12	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	6	....	1	1	....	1	....	1	....	....
	Female	11	....	1	....	....	....	....	....	....	....	1	....	1	1	2	1	1	....	1	....	1	....	1	....	....	....	....
113 Pulmonary emphysema	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
114 Other diseases of the respiratory system (tuberculosis excepted) **Sub-total**	Male	4	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....
	Female	5	2	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....
(a) Silicosis	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Other and unspecified forms of pneumoconioses	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Gangrene of the lung	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(d) Others under this title	Male	3	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
	Female	5	2	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....
CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM	**Total**	**378**	**71**	**9**	**4**	**5**	**1**	**8**	**6**	**7**	**8**	**7**	**6**	**10**	**11**	**14**	**30**	**26**	**32**	**45**	**27**	**28**	**17**	**4**	**2**	....	....	....
	Male	**234**	**47**	**4**	**2**	**2**	**1**	**7**	**2**	**4**	**4**	**5**	**5**	**6**	**4**	**6**	**21**	**17**	**19**	**33**	**20**	**12**	**8**	**4**	**1**	....	....	....
	Female	**144**	**24**	**5**	**2**	**3**	....	**1**	**4**	**3**	**4**	**2**	**1**	**4**	**7**	**8**	**9**	**9**	**13**	**12**	**7**	**16**	**9**	....	**1**	....	....	....
115 Diseases of the buccal cavity and annexa, and of the pharynx and tonsils	Male	10	2	....	1	....	....	1	....	....	....	1	1	....	....	1	2	....	....	....	....	....	....	....	1	....	....	....
	Female	7	1	1	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	2	....	....	....	....	....	....	....
(a) Diseases of the teeth and gums	Male	2	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Septic sore throat	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Diseases of the pharynx and tonsils	Male	5	2	....	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
	Female	3	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
(d) Others under this title	Male	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
	Female	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....
116 Diseases of the oesophagus	Male	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
117 Ulcer of the stomach or duodenum	Male	49	....	....	....	....	....	....	....	....	....	1	2	6	1	1	8	4	8	4	9	3	....	2	....	....	....	....	....
	Female	7	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	1	....	....	2	2	....	....	....	....	....	....
(a) Stomach	Male	28	....	....	....	....	....	....	....	....	....	....	1	4	....	....	6	2	5	1	6	1	....	2	....	....	....	....	....
	Female	4	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	1	....	....	....	....	....	....

	(b) Duodenum	Male	21										1	1	2	1	1	2	2	3	3	3	2								
		Female	3													1							1	1							
118	Other diseases of the stomach	Male	3	1																	1		1								
		Female	2	1							1																				
119	Diarrhoea and enteritis (under 2 years of age)	Male	48	44	4																										
		Female	23	21	2																										
	(a) Diarrhoea and enteritis	Male	48	44	4																										
		Female	23	21	2																										
	(b) Ulceration of the intestines	Male																													
		Female																													
120	Diarrhoe and enteritis (2 years of age and over)	Male	9			1		2			2								2		1		1								
		Female	7			2										1			2	1			1								
	(a) Diarrhoea and enteritis	Male	3			1		1															1								
		Female	4			2													1				1								
	(b) Ulceration of the intestines	Male	6					1			2								2		1										
		Female	3													1			1	1											
121	Appendicitis	Male	29			2	1	3	1	2		2	1					4	2	3	2	1	3	2							
		Female	13		1				4	3	1			1				3													
122	Hernia, intestinal obstruction	Male	34					1	1	1		1	1		1	1	2	2		3	8	6	2	3	1						
		Female	26			1					2	1	1	2	2	2	1			2	2	3	4	2		1					
	(a) Hernia	Male	18					1	1				1				2	1		1	4	3	2	1	1						
		Female	12											2	1	2	1			1	2	1	1	1							
	(b) Intestinal obstruction	Male	16							1		1			1	1		1		2	4	3		2							
		Female	14			1					2	1	1		1					1		2	3	1		1					
123	Other diseases of the intestines	Male	2								1						1														
		Female	3	1	1													1													
124	Cirrhosis of the liver	Male	22												1	2	3	5		2	6	1	1	1							
		Female	15														1	3		3	4	2	2								
	(a) With mention of alcoholism	Male	6													1		1		1	3										
		Female																													
	(b) Without mention of alcoholism	Male	16												1	1	3	4		1	3	1	1	1							
		Female	15														1	3		3	4	2	2								
125	Other diseases of the liver	Male	4								1										2	1									
		Female	3			1											1				1										
	(a) Acute yellow atrophy	Male																													
		Female	3			1											1				1										
	(b) Others under this title	Male	4								1										2	1									
		Female																													
126	Biliary calculi	Male	12																2	2	4	2	2								
		Female	21											1	2	1	1	2		3	2	1	4	4							
127	Other diseases of the gall-bladder and bile ducts	Male	9													1	1			1	4		1		1						
		Female	12									1			1	3	1			2	2	1	1								
128	Diseases of the pancreas	Male																													
		Female	2													1		1													
129	Peritonitis without stated cause	Male	2												1						1										
		Female	3														1			1			1								
CLASS X.—DISEASES OF THE URINARY AND GENITAL SYSTEMS		**Total**	**335**		**1**		**2**		**1**	**1**	**2**	**7**	**6**	**6**	**10**	**9**	**15**	**18**	**24**	**44**	**41**	**45**	**45**	**32**	**20**	**5**	**1**					
		Male	**201**				**1**			**1**	**1**	**3**	**5**	**2**	**5**	**3**	**8**	**13**	**11**	**23**	**26**	**35**	**31**	**19**	**11**	**2**	**1**					
		Female	**134**		**1**		**1**		**1**		**1**	**4**	**1**	**4**	**5**	**6**	**7**	**5**	**13**	**21**	**15**	**10**	**14**	**13**	**9**	**3**					
130	Acute nephritis	Male	4								1	1		1									1								
		Female	3		1		1													1											

TABLE 16.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE FOR THE WHOLE PROVINCE, 1945—Continued

	CAUSES OF DEATH		Total	AGES																								
				Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
131	Chronic nephritis	Male	129	....	....	....	1	....	....	....	....	1	5	1	3	1	6	11	8	14	17	24	16	11	7	2	1	....	....
		Female	99	....	....	....	....	....	1	....	1	4	1	1	3	4	5	4	8	14	11	8	11	12	9	2	....	....	....
132	Nephritis unspecified (over 10 years of age)	Male	9	....	....	....	....	....	....	1	....	....	....	....	2	....	....	....	....	2	1	1	1	1	....	....	....	....	....	....
		Female	11	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	2	1	1	3	1	....	1	....	....	....
133	Other diseases of the kidneys and ureters	Male	8	....	....	....	....	....	....	....	....	1	....	....	....	2	1	....	2	1	....	....	1	....	....	....	....	....	....	....
		Female	6	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	1	2	1	....	....	....	....	....	....	....	....	....
134	Calculi of the urinary passages	Male	2	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....
		Female	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
135	Diseases of the urinary bladder	Male	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
136	Diseases of the urethra, urinary abscess, etc	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(a) Stricture of the urethra	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
137	Diseases of the prostate	Male	45	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	5	8	10	9	7	4	....	....	....	....
138	Diseases of the male genital organs (non-venereal)	Male	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....
139	Diseases of the female genital organs (non-venereal)	Female	14	....	....	....	....	....	....	....	....	....	....	1	1	2	1	1	3	2	2	1	....	....	....	....	....	....	....	....
	(a) Ovaries, Fallopian tubes and parametria	Female	5	....	....	....	....	....	....	....	....	....	....	....	1	1	1	....	....	2	....	....	....	....	....	....	....	....	....	....
	(b) Uterus	Female	8	....	....	....	....	....	....	....	....	....	....	1	....	1	....	1	2	....	2	1	....	....	....	....	....	....	....	....
	(c) Others under this title	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
	CLASS XI.—DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE	**Total**	48	....	....	....	....	....	....	....	2	11	13	10	7	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....
140	Abortion with mention of infection	Female	7	....	....	....	....	....	....	....	....	3	1	2	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(a) Spontaneous, therapeutic or unspecified	Female	5	....	....	....	....	....	....	....	....	1	1	2	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Self-induced	Female	2	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

| | | |

TABLE 16.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE FOR THE WHOLE PROVINCE, 1945—Continued

CAUSES OF DEATH		Total	AGES																											
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
(b) Other conditions of childbirth	Female	4	....	....	....	....	....	....	....	....	....	1	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
150 Other and unspecified conditions of childbirth and the puerperal state	Female	3	....	....	....	....	....	....	....	....	1	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Infection of breast during lactation	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Psychosis of the puerperal state	Female	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Others under this title	Female	2	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE	**Total**	11	2	....	....	....	....	....	....	1	....	1	2	1	....	....	1	1	....	....	1	1	....	....	....	....	....	....
	Male	6	2	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	1	1	....	....	....	....	....	....
	Female	5	....	....	....	....	....	....	....	1	....	....	2	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....
151 Carbuncle and furuncle	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
152 Phlegmon and acute abscesses	Male	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....
	Female	2	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
153 Other diseases of the skin and cellular tissue	Male	4	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....
	Female	3	....	....	....	....	....	....	....	....	....	....	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS XIII.—DISEASES OF THE BONES AND ORGANS OF MOVEMENT	**Total**	7	....	....	....	....	....	....	....	....	....	1	....	....	....	1	1	....	....	1	1	1	....	1	....	....	....	....
	Male	6	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	1	1	1	....	1	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
154 Osteomyelitis and periostitis	Male	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
155 Other diseases of the bones (tuberculosis excepted)	Male	3	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	1	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
156 Diseases of the joints and other organs of movement	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Diseases of the joints (tuberculosis and rheumatism excepted)	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

CLASS XIV.—CONGENITAL MALFORMATIONS	**Total**	**123**	**104**	**8**	**2**	**1**	**1**	**1**		**1**	**1**	**1**	**1**	**1**	**1**																
	Male	**76**	**66**	**7**				**1**						**1**	**1**																
	Female	**47**	**38**	**1**	**2**	**1**	**1**			**1**	**1**	**1**	**1**																		
157 Congenital malformations	Male	76	66	7				1						1	1																
	Female	47	38	1	2	1	1			1	1	1	1																		
(a) Congenital hydrocephalus	Male	17	15	2																											
	Female	9	6		1					1	1																				
(b) Spina bifida and meningocele	Male	7	6	1																											
	Female	1	1																												
(c) Anencephalus	Male	1	1																												
	Female	3	3																												
(d) Congenital malformations of the heart	Male	22	20	1				1																							
	Female	18	16			1							1																		
(e) Others under this title	Male	29	24	3										1	1																
	Female	16	12	1	1		1					1																			
CLASS XV.—DISEASES PECULIAR TO THE FIRST YEAR OF LIFE	**Total**	**390**	**390**																												
	Male	**218**	**218**																												
	Female	**172**	**172**																												
158 Congenital debility	Male	8	8																												
	Female	8	8																												
159 Premature birth	Male	130	130																												
	Female	111	111																												
160 Injury at birth **Sub-total**	Male	49	49																												
	Female	29	29																												
(a) Intracranial or spinal haemorrhage	Male	24	24																												
	Female	18	18																												
(b) Other intracranial or spinal injuries	Male																														
	Female																														
(c) Others under this title	Male	25	25																												
	Female	11	11																												
161 Other diseases peculiar to the first year of life **Sub-total**	Male	31	31																												
	Female	24	24																												
(a) Asphyxia (unspecified), atelectasis	Male	20	20																												
	Female	13	13																												
(b) Infection of the umbilicus, pemphigus and other infections	Male	2	2																												
	Female																														
(c) Other specified diseases peculiar to the first year of life	Male	9	9																												
	Female	11	11																												
CLASS XVI.—SENILITY	**Total**	**129**																				3	15	21	32	35	19	3	1		
	Male	**54**																				2	4	12	12	16	6	1	1		
	Female	**75**																				1	11	9	20	19	13	2			
162 Senility	Male	54																				2	4	12	12	16	6	1	1		
	Female	75																				1	11	9	20	19	13	2			
(a) With dementia	Male	4																						1	1		2				
	Female	5																						1	1	1	1	1			

TABLE 16.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE FOR THE WHOLE PROVINCE, 1945—Continued

CAUSES OF DEATH		Total	AGES																									
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
(b) Without dementia	Male	50	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	4	11	11	16	4	1	1	....
	Female	70	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	10	8	19	18	12	2	....	....
CLASS XVII.—VIOLENT OR ACCIDENTAL DEATHS	**Total**	**547**	**27**	**18**	**11**	**14**	**7**	**17**	**20**	**39**	**48**	**31**	**20**	**21**	**35**	**31**	**31**	**27**	**33**	**33**	**21**	**27**	**18**	**10**	**7**	**1**	....	**1**
	Male	**409**	**15**	**9**	**5**	**10**	**5**	**9**	**17**	**34**	**40**	**23**	**14**	**18**	**30**	**27**	**26**	**20**	**27**	**29**	**17**	**15**	**11**	**3**	**4**	....	....	**1**
	Female	**138**	**12**	**9**	**6**	**4**	**2**	**8**	**3**	**5**	**8**	**8**	**6**	**3**	**5**	**4**	**5**	**7**	**5**	**4**	**4**	**12**	**7**	**7**	**3**	**1**	....	....
163, 164 Suicides	**Total**	**Male**	**57**	....	....	....	....	....	....	**1**	**3**	**2**	**2**	**2**	**5**	**10**	**4**	**6**	**7**	**7**	**3**	**1**	**2**	....	**1**	**1**	....	....	....
		Female	**19**	....	....	....	....	....	....	....	**1**	**3**	**2**	**3**	**2**	**2**	**1**	**1**	**3**	**1**	....	....	....	....	....	....	....	....	....
163 Suicide by poisoning		Male	10	....	....	....	....	....	....	....	....	....	....	....	1	2	2	1	1	2	1	....	....	....	....	....	....	....	....
		Female	7	....	....	....	....	....	....	....	....	1	....	1	1	1	....	1	2	....	....	....	....	....	....	....	....	....	....
(a) By corrosive substances, solid and liquid poisonings		Male	8	....	....	....	....	....	....	....	....	....	....	....	....	2	1	1	1	2	1	....	....	....	....	....	....	....	....
		Female	7	....	....	....	....	....	....	....	....	1	....	1	1	1	....	1	2	....	....	....	....	....	....	....	....	....	....
(b) By poisonous gas		Male	2	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
164 Suicide by other means		Male	47	....	....	....	....	....	....	1	3	2	2	2	4	8	2	5	6	5	2	1	2	....	1	1	....	....	....
		Female	12	....	....	....	....	....	....	....	1	2	2	2	1	1	1	....	1	1	....	....	....	....	....	....	....	....	....
(a) By hanging or strangulation		Male	11	....	....	....	....	....	....	....	....	1	....	1	1	2	....	1	2	1	....	....	1	....	....	1	....	....	....
		Female	3	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....
(b) By drowning		Male	2	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	3	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....
(c) By firearms or explosives		Male	23	....	....	....	....	....	....	1	2	1	2	....	1	4	1	2	3	2	2	1	1	....	....	....	....	....	....
		Female	5	....	....	....	....	....	....	....	....	2	....	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(d) By cutting or piercing instruments		Male	4	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	....	....	....	....	....	1	....	....	....	....	....
		Female	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(e) By jumping from high places		Male	5	....	....	....	....	....	....	....	1	....	....	....	1	1	....	....	....	2	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(f) By crushing		Male	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(g) By other or unspecified means		Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
166-168 Homicides	**Total**	**Male**	**5**	....	....	....	....	**1**	....	....	**1**	....	**1**	....	....	**1**	....	....	....	....	**1**	....	....	....	....	....	....	....	....
		Female	**7**	**1**	**1**	....	**1**	**1**	**1**	....	**1**	....	....	....	**1**	....	....	....	....	....	....	....	....	....	....	....	....	....	....
166 Homicide by firearms		Male	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	5	....	1	....	1	1	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
167 Homicide by cutting or piercing instruments		Male	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
168 Homicide by other or unspecified means		Male	3	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....
		Female	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
169-195 Other violent deaths	**Total**	**Male**	**345**	**15**	**9**	**5**	**10**	**5**	**8**	**16**	**31**	**36**	**21**	**11**	**12**	**20**	**22**	**20**	**13**	**20**	**25**	**16**	**13**	**11**	**2**	**3**	....	....	**1**
		Female	**112**	**11**	**8**	**6**	**3**	**1**	**7**	**3**	**3**	**5**	**6**	**3**	**1**	**2**	**3**	**4**	**4**	**4**	**4**	**4**	**12**	**7**	**7**	**3**	**1**	....	....

169	Railway accidents (excluding motor vehicles)	Male	8	..	..	1	..	..	..	..	1	..	..	..	..	..	1	1	..	1	1	1	1	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
170	Motor vehicle accidents	Male	53	..	..	..	2	..	3	..	7	5	9	2	1	6	3	3	2	4	2	1	2	1	..	..	..	..	..	..	..	..	..	..
		Female	16	..	..	1	..	..	1	2	1	3	2	..	1	1	..	2	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..
	(a) Collisions with trains	Male	7	..	..	..	..	..	..	..	1	2	1	..	1	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Collisions with street-cars	Male	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(c) Automobile accidents (excluding trains or street-cars)	Male	44	..	..	..	2	..	3	..	6	2	7	2	..	6	2	3	2	4	2	1	1	1	..	..	..	..	..	..	..	..	..	..
		Female	16	..	..	1	..	..	1	2	1	3	2	..	1	1	..	2	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..
	(d) Motorcycle accidents (excluding automobiles)	Male	2	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
171	Street-car and other road transport accidents **Sub-total**	Male	10	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	2	1	3	1	..	..	..	..	..	..	..	..	..	..	..	..
		Female	3	..	..	..	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(a) Street-car accidents (excluding trains and motor vehicles)	Male	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Others under this title	Male	9	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	1	1	3	1	..	..	..	..	..	..	..	..	..	..	..	..
		Female	3	..	..	..	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
172	Water transport accidents	Male	7	..	..	..	..	..	..	..	3	1	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
173	Air transport accidents	Male	17	..	..	..	..	..	..	..	..	11	3	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
174	Accidents in mines and quarries	Male	24	..	..	..	..	..	..	..	2	4	1	..	2	4	1	5	..	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
175	Agricultural and forestry accidents **Sub-total**	Male	33	..	..	..	..	..	..	..	4	..	1	..	3	1	9	5	1	2	5	2	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(a) Accidents involving agricultural machinery and vehicles	Male	13	..	..	..	..	..	..	..	1	..	..	..	1	..	4	2	1	..	3	1	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Injury by animals, in agriculture	Male	10	..	..	..	..	..	..	..	2	..	..	..	1	..	1	3	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(c) Other agricultural accidents	Male	3	..	..	..	..	..	..	..	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(d) Accidents involving forestry machinery and vehicles	Male	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(e) Other forestry accidents	Male	6	..	..	..	..	..	..	..	..	..	1	..	1	..	3	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
176	Other accidents involving machinery	Male	10	..	..	..	1	..	..	..	..	1	1	1	..	2	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
177	Food poisoning	Male	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
178	Accidental absorption of poisonous gas **Sub-total**	Male	5	..	..	..	..	..	..	..	..	2	..	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(a) Coal and illuminating gas	Male	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Motor vehicle exhaust gas	Male	2	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(c) Other carbon-monoxide gas	Male	2	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(d) Other poisonous gases	Male	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		Female	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE 16.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE FOR THE WHOLE PROVINCE, 1945—Continued

	CAUSES OF DEATH		Total	Ages																										
				Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not Stated
179	Acute accidental poisoning by solids or liquids	Male	14	....	3	2	1	....	....	....	....	....	1	1	....	....	1	2	3	....	....	....	....	....	....	....	....	....	....
		Female	4	....	1	1	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
180	Conflagration	Male	14	3	1	....	1	....	....	....	2	....	1	....	....	....	....	1	....	3	....	....	1	....	1	....	....	....	....	....
		Female	10	2	1	1	1	....	....	....	....	....	....	2	....	1	....	....	....	....	....	....	1	....	1	....	....	....	....	....
181	Accidental burns (conflagration excepted)	Male	10	....	1	....	2	....	....	1	....	....	....	....	....	....	2	....	....	1	....	....	2	1	....	....	....	....	....	....
		Female	7	....	3	....	1	....	2	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
182	Accidental mechanical suffocation	Male	5	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	6	5	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
183	Accidental drowning	Male	30	....	3	1	....	2	3	4	3	3	3	1	1	1	1	....	1	1	....	1	....	....	....	....	....	....	....	1
		Female	7	....	3	2	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
184	Accidental injury by firearms	Male	15	....	....	....	1	....	1	3	4	1	....	2	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....
		Female	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
185	Accidental injury by cutting or piercing instruments	Male	2	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
		Female	2	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
186	Accidental injury by fall or crushing	Male	54	1	1	1	1	1	....	4	2	5	....	1	2	3	1	1	....	3	5	6	6	7	1	2	....	....	....	....
		Female	39	....	....	....	....	....	1	....	1	....	....	....	....	....	1	....	4	3	4	2	9	4	6	3	1	....	....	....
	(a) Accidental injury by fall	Male	50	1	1	1	1	1	....	4	2	4	....	1	1	2	1	1	....	2	5	6	6	7	1	2	....	....	....	....
		Female	38	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	4	3	4	2	9	4	6	3	1	....	....	....
	(b) Accidental injury by crushing	Male	4	....	....	....	....	....	....	....	....	1	....	....	1	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
		Female	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
188	Injury by animals	Male	6	....	....	....	1	....	....	2	1	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....
		Female	2	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
189	Hunger or thirst	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
190	Excessive cold	Male	6	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	3	1	1	....	....	....	....	....	....
		Female	3	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....
191	Excessive heat	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
192	Lightning	Male	2	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
193	Accidents due to electric currents	Male	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
194	Attack by venomous animals (non-occupational)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
195	Other accidents **Sub-total**	Male	17	6	....	....	....	1	....	....	....	1	....	....	....	....	1	....	2	1	3	....	....	1	....	1	....	....	....	....
		Female	8	4	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	....	....	....	....	....	....
	(a) Sequelae of preventive immunization, inoculation or vaccination	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

(b) Other accidents due to medical or surgical intervention	Male																														
	Female																														
(c) Lack of care of the new-born	Male	1	1														1														
	Female	1	1																												
(d) Obstruction, suffocation or puncture by ingested objects	Male	5	5																												
	Female	4	3				1																								
(e) Other and unspecified objects	Male	11					1				1						1		2	1	3			1		1					
	Female	3																				1	1	1							
196-198 Operations of war and legal executions	**Male**	2								1			1																		
	Female																														
196 Death of persons in military service during operations of war	Male	2								1			1																		
	Female																														
197 Deaths of civilians due to operations of war	Male																														
	Female																														
198 Legal executions	Male																														
	Female																														
CLASS XVIII—ILL-DEFINED AND UNKNOWN CAUSES OF DEATH	**Total**	46	14		1			1		1		1	2	2		1	2	4	10	3	1	1		1				1			
	Male	29	8		1			1		1				1		1		4	8	2	1			1							
	Female	17	6									1	2	1			2		2	1		1						1			
199 Sudden death	Male	4												1					2	1											
	Female	4	1										1	1								1									
200 Ill-defined and unknown causes	Male	25	8		1			1		1						1		4	6	1	1			1							
	Female	13	5									1	1				2		2	1										1	
(a) Ill-defined	Male	11	2							1						1		2	4	1											
	Female	6	1									1	1				1		2												
(b) Found dead	Male	2	1															1													
	Female																														
(c) Unknown or unspecified cause	Male	12	5		1			1										1	2		1			1							
	Female	7	4														1			1										1	

CLASSIFICATION OF ACCIDENTAL DEATHS ACCORDING TO THE NATURE OF INJURY. THESE ACCIDENTAL DEATHS ARE CLASSIFIED ABOVE ACCORDING TO CIRCUMSTANCES INVOLVING THE ACCIDENT UNDER RUBRICS 169 TO 176, 178, 180, 181, 182, 183, 185, 186, 187 AND 193.

Accidental absorption of poisonous gas	Male	11									2	1	1	1	1		1		3					1						
	Female	3	1									1												1						
Accidental burns	Male	21	3	2		3			1	2	1	1			2		1		1			3	1							
	Female	15	1	4	1	2		2					2		1							1	1							
Accidental mechanical suffocation	Male	5	5																												
	Female	6	5		1																										
Accidental drowning	Male	39		3	1		2	3	4	6	6	4	2	2	1	1		1	1		1									1	
	Female	8		3	2			2				1																			
Accidental injury by cutting or piercing instruments	Male	5								1					1			2		1											
	Female	3							1			1					1														
Accidental injury by fall	Male	60	1	1	1	1	1		4	3	4	1	1	1	2	3	2		3	7	7	7	7	1	2						
	Female	39								1						1	1	4	3	4	2	9	4	6	3	1					
Accidental injury by crushing	Male	137			1	3		4	1	12	20	12	4	7	13	14	13	5	10	11	4	2	1								
	Female	19			1	1		3	2	1	3	2		1	1		2		1			1								
Accidents due to electric currents	Male	1									1																				
	Female	1														1															

TABLE 17.—CAUSES OF DEATH FOR EACH SEX BY MONTHS OF DEATH AND RESIDENCE IN ALBERTA, 1945

CAUSES OF DEATH		Total	MONTHS											
			January	February	March	April	May	June	July	August	September	October	November	December
DEATHS—ALL CAUSES	**Total**	**6454**	**567**	**525**	**556**	**539**	**570**	**533**	**517**	**479**	**509**	**526**	**569**	**564**
	Male	**3907**	**354**	**314**	**321**	**315**	**355**	**339**	**314**	**277**	**308**	**312**	**342**	**356**
	Female	**2547**	**213**	**211**	**235**	**224**	**215**	**194**	**203**	**202**	**201**	**214**	**227**	**208**
CLASS I.—INFECTIOUS AND PARASITIC DISEASES	**Total**	**459**	**31**	**38**	**42**	**47**	**50**	**35**	**42**	**42**	**34**	**27**	**41**	**30**
	Male	**254**	**18**	**21**	**22**	**27**	**30**	**20**	**20**	**24**	**21**	**11**	**22**	**18**
	Female	**205**	**13**	**17**	**20**	**20**	**20**	**15**	**22**	**18**	**13**	**16**	**19**	**12**
1 Typhoid fever	Male	...	....	....	....	....	....	....	....	....	....	....	....	....
	Female	2	....	1	....	....	....	1	....	....	....	....	....	....
2 Paratyphoid fever	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
5 Undulant fever	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
6 Cerebrospinal meningitis	Male	2	....	....	1	....	....	....	....	....	....	1	....	....
	Female	1	....	....	....	....	1	....	....	....	....	....	....	....
8 Scarlet fever	Male	1	....	1	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
9 Whooping-cough	Male	21	....	2	....	1	5	4	6	....	....	....	1	2
	Female	22	1	1	1	1	1	3	2	5	2	1	2	2
10 Diphtheria	Male	6	....	2	2	....	....	....	....	....	....	....	2	....
	Female	3	....	....	....	....	....	....	....	1	....	2	....	....
11 Erysipelas	Male	2	....	....	1	....	....	....	....	....	....	....	....	1
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
12 Tetanus	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
13-22 Tuberculosis	**Total** **Male**	**137**	**11**	**7**	**9**	**12**	**17**	**11**	**8**	**19**	**15**	**8**	**13**	**7**
	Female	**126**	**8**	**8**	**10**	**14**	**15**	**9**	**15**	**10**	**6**	**11**	**12**	**8**
13 Tuberculosis of the respiratory system	**Sub-total** Male	108	9	7	6	7	13	9	4	17	10	7	12	7
	Female	92	6	8	10	9	12	4	10	6	4	6	10	7
(a) With mention of occupational diseases of lungs	Male	2	....	....	....	....	1	1	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Without mention of occupational diseases of lungs	Male	92	7	5	6	6	11	5	3	16	9	6	11	7
	Female	82	6	7	10	8	12	4	9	4	3	6	9	4
(c) Unspecified site	Male	12	1	2	....	1	1	3	1	1	1	....	1	....
	Female	10	....	1	....	1	....	....	1	2	1	....	1	3
(d) With mention of dementia praecox	Male	2	1	....	....	....	....	....	....	....	....	1	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....

14	Tuberculosis of the meninges and central nervous system	Male	15	1	....	2	1	3	....	2	1	3	1	1	....
		Female	16	1	....	....	3	2	1	1	2	1	2	2	1
15	Tuberculosis of the intestines and peritoneum	Male	5	1	....	....	2	....	1	1	....	....	....	....	....
		Female	5	....	....	....	....	....	2	2	....	....	1	....	....
16	Tuberculosis of the vertebral column	Male	2	....	....	....	1	....	....	....	....	1	....	....	....
		Female	1	....	....	....	1	....	....	....	....	....	....	....	....
17	(a) Tuberculosis of the bones	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Tuberculosis of the joints	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
18	Tuberculosis of the skin and sub-cutaneous cellular tissue	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
19	Tuberculosis of the lymphatic system (bronchial, mesenteric, mediastinal and retroperitoneal glands excepted)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	1	....	....	....	....	....	....	....	....	1	....	....	....
20	Tuberculosis of the genito-urinary system	Male	2	....	....	....	....	1	....	1	....	....	....	....	....
		Female	1	....	....	....	....	....	....	1	....	....	....	....	....
21	Tuberculosis of other organs	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	1	....	....	....	1	....	....	....	....	....	....	....	....
22	(a) Disseminated tuberculosis, acute generalized miliary	Male	2	....	....	....	1	....	....	....	....	1	....	....	....
		Female	6	....	....	....	....	1	2	1	1	....	1	....	....
	(b) Other and unspecified generalized tuberculosis	Male	3	....	....	1	....	....	1	....	1	....	....	....	....
		Female	3	1	....	....	....	....	....	....	1	....	1	....	....
23	Leprosy	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
24	Purulent infection and septicaemia	Male	2	....	1	....	....	....	1	....	....	....	....	....	....
		Female	1	1	....	....	....	....	....	....	....	....	....	....	....
25	Gonococcus infection	Male	1	....	....	....	....	....	....	....	....	1	....	....	....
		Female	1	....	....	1	....	....	....	....	....	....	....	....	....
26	Other diseases due to bacteria	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
27	Dysentery	Male	4	....	....	....	....	....	1	1	....	2	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
28	Malaria	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
30	Syphilis **Total**	**Male**	31	2	1	6	6	2	2	3	3	....	....	3	3
		Female	6	1	....	1	....	1	1	1	1	....	....	....	....
	(a) Locomotor ataxia (tabes dorsalis)	Male	2	....	....	1	....	....	....	....	....	....	....	1	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) General paralysis of the insane	Male	9	1	1	1	1	....	....	2	2	....	....	1	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(c) Other syphilis of the central nervous system	Male	5	1	....	....	2	1	....	....	....	....	....	....	1
		Female	2	....	....	1	....	1	....	....	....	....	....	....	....
	(d) Others under this title	Male	15	....	....	4	3	1	2	1	1	....	....	1	2
		Female	4	1	....	....	....	....	1	1	1	....	....	....	....
32	Other diseases due to spirochaetes	Male	3	....	1	....	1	....	....	....	....	....	....	....	1
		Female	1	....	....	....	....	....	....	....	....	1	....	....	....
33	Influenza **Total**	**Male**	29	4	5	....	6	5	1	1	....	1	2	1	3
		Female	29	1	4	6	4	2	1	2	....	3	2	3	1
	(a) With respiratory complications	Male	18	3	3	....	1	2	1	1	....	1	2	1	3
		Female	15	1	1	2	3	1	1	1	....	2	1	1	1

TABLE 17.—CAUSES OF DEATH FOR EACH SEX BY MONTH OF DEATH AND RESIDENCE IN ALBERTA, 1945—Continued

	CAUSES OF DEATH		Total	MONTHS											
				January	February	March	April	May	June	July	August	September	October	November	December
	(b) Without respiratory complications	Male	11	1	2	...	5	3	....	...	....	...	....	...	....
		Female	14	....	3	4	1	1	....	1	....	1	1	2	....
34	Small-pox	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
35	Measles	Male	2	....	....	....	....	....	....	....	....	1	....	....	1
		Female	4	....	2	1	1	....	....	....	....	....	....	....	....
36	Acute poliomyelitis and polioencephalitis	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
37	Acute infectious encephalitis	Male	6	1	....	....	1	....	....	1	2	....	....	1	....
		Female	2	....	....	....	....	....	....	1	....	....	....	1	....
38	Other diseases due to filetrable viruses	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	2	1	....	....	....	....	....	....	....	....	....	1	....
	(a) Rabies	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) German measles	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(c) Chicken-pox	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	2	1	....	....	....	....	....	....	....	....	....	1	....
	(d) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
39	Typhus fever and typhus-like diseases	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
41	Hydatid disease	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
42	Other diseases due to helminths	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
43	Mycoses	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
44	Other infectious and parasitic diseases	Sub-total Male	7	....	1	3	....	1	....	....	....	1	....	1	....
		Female	5	....	1	....	....	....	....	1	1	1	....	....	1
	(a) Other venereal diseases	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Lymphogranulomatosis (Hodgkin's disease)	Male	7	....	1	3	....	1	....	....	....	1	....	1	....
		Female	4	....	1	....	....	....	....	1	1	1	....	....	....
	(c) Mumps	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	1	....	....	....	....	....	....	....	....	....	....	....	1
	(d) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....

CLASS II.—CANCER AND OTHER TUMOURS		Total	858	85	61	60	51	64	81	77	56	81	77	84	81
		Male	**497**	**47**	**33**	**33**	**27**	**45**	**45**	52	**30**	**39**	**44**	**50**	**52**
		Female	**361**	**38**	**28**	**27**	**24**	**19**	**36**	**25**	**26**	**42**	**33**	**34**	**29**
45-55	Cancer and other malignant tumours	**Total**	**Male**	**488**	**45**	**33**	**33**	**26**	**45**	**44**	**52**	**29**	**37**	**42**	**50**	**52**
			Female	**342**	**36**	**27**	**23**	**22**	**17**	**33**	**24**	**26**	**40**	**32**	**34**	**28**
45	Cancer of the buccal cavity and pharynx		Male	14	1	1	....	....	1	....	2	1	1	2	1	4
			Female	3	....	....	1	....	....	....	....	....	....	1	1	....
46	Cancer of the digestive organs and peritoneum	**Sub-total**	Male	271	29	19	19	11	27	19	26	20	21	23	29	28
			Female	137	16	13	10	10	3	15	12	8	12	10	14	14
	(a) Cancer of the oesophagus		Male	11	....	....	....	....	....	....	2	4	1	1	3	....
			Female	2	....	....	....	1	....	....	....	....	1	....	....	....
	(b) Cancer of the stomach		Male	133	19	12	9	4	12	13	10	6	9	11	12	16
			Female	34	7	1	5	5	....	5	1	3	2	1	3	1
	(c) Cancer of the Duodenum		Male	3	1	....	1	....	1	....	....	....	....	....	....	....
			Female	1	....	....	....	....	....	....	1	....	....	....	....	....
	(d) Cancer of the rectum and anus		Male	28	....	2	2	2	5	....	3	3	6	1	2	2
			Female	18	....	1	4	....	....	3	4	....	2	2	1	1
	(e) Cancer of the intestines		Male	50	6	4	3	4	3	3	5	5	3	4	5	5
			Female	46	4	7	1	1	1	2	5	3	5	5	6	6
	(f) Cancer of the liver and biliary passages		Male	23	1	....	1	1	5	1	3	....	1	3	4	3
			Female	22	4	3	....	1	1	3	....	2	2	1	2	3
	(g) Cancer of the pancreas		Male	17	1	....	2	....	1	1	2	2	1	3	3	1
			Female	14	1	1	....	2	1	2	1	....	....	1	2	3
	(h) Cancer of the mesentery and peritoneum		Male	4	1	1	1	....	....	1	....	....	....	....	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(m) Cancer of other and unspecified sites		Male	2	....	....	....	....	....	....	1	....	....	....	....	1
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
47	Cancer of the respiratory system	**Sub-total**	Male	47	6	4	4	1	4	5	7	2	4	3	3	4
			Female	8	1	1	....	....	2	1	....	....	1	....	1	1
	(a) Of the Larynx		Male	9	1	1	1	....	....	2	....	....	1	1	....	2
			Female	1	....	....	....	....	....	....	....	....	....	....	....	1
	(b) Of the lung		Male	20	3	....	3	....	2	1	2	1	3	1	3	1
			Female	6	1	1	....	....	2	1	....	....	1	....	....	....
	(c) Of the Mediastinum and other sites		Male	18	2	3	....	1	2	2	5	1	....	1	....	1
			Female	1	....	....	....	....	....	....	....	....	....	....	1	....
48	Cancer of the uterus	**Sub-total**	Female	47	3	1	6	2	2	3	2	6	11	4	5	2
	(a) Of the cervix		Female	26	3	....	3	1	1	1	....	3	7	4	2	1
	(b) Of other and unspecified sites		Female	21	....	1	3	1	1	2	2	3	4	....	3	1
49	Cancer of other female organs		Female	20	4	1	1	2	1	3	1	1	2	2	1	1
50	Cancer of the breast		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
			Female	69	9	5	3	4	4	5	2	5	8	10	8	6
51	Cancer of the male genital organs		Male	56	5	2	6	4	3	8	8	1	4	6	4	5
52	Cancer of the urinary organs	**Sub-total**	Male	34	....	4	1	6	2	5	2	2	2	1	3	6
			Female	13	....	1	....	2	1	1	2	1	2	1	1	1
	(a) Of the kidney		Male	18	....	4	....	2	1	3	....	2	2	....	1	3
			Female	7	....	....	....	1	1	1	1	....	1	....	1	1

TABLE 17.—CAUSES OF DEATH FOR EACH SEX BY MONTH OF DEATH AND RESIDENCE IN ALBERTA, 1945—Continued

CAUSES OF DEATH			Total	MONTHS											
				January	February	March	April	May	June	July	August	September	October	November	December
(b) Of the bladder		Male	15	....	....	1	4	1	2	2	....	....	1	1	3
		Female	5	....	1	....	1	....	....	1	....	1	1	....	....
(c) Of other and unspecified sites		Male	1	....	....	....	....	....	....	....	....	....	....	1	....
		Female	1	....	....	....	....	....	....	....	1	....	....	....	....
53 Cancer of the skin		Male	9	1	1	....	....	....	1	....	1	3	1	1	....
		Female	2	....	1	....	....	....	....	1	....	....	....	....	1
54 Cancer of the brain		Male	13	....	....	1	2	2	1	2	....	1	1	2	1
		Female	12	....	1	1	....	2	2	2	2	....	....	1	1
55 Cancer of other and unspecified organs		Male	44	3	2	2	2	6	5	5	2	1	5	7	4
		Female	31	3	3	1	2	2	3	2	3	4	4	2	2
56 Non-malignant tumours	**Total**	**Male**	4	1	....	....	....	....	1	....	....	1	1	....	....
		Female	11	1	1	2	2	1	2	....	....	1	....	....	1
(a) Of the ovary		Female	3	....	....	....	2	1	....	....	....	....	....	....	....
(b) Of the uterus		Female	6	1	....	2	....	....	2	....	....	1	....	....	....
(c) Of other female genital organs		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(d) Of the brain and other parts of the central nervous system		Male	2	1	....	....	....	....	....	....	....	1	....	....	....
		Female	2	....	1	....	....	....	....	....	....	....	....	....	1
(e) Of other and unspecified organs		Male	2	....	....	....	....	....	1	....	....	....	1	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
57 Tumours of undetermined nature	**Total**	**Male**	5	1	....	....	1	....	....	....	1	1	1	....	....
		Female	8	1	....	2	....	1	1	1	....	1	1	....	....
(a) Of the ovary		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Of the uterus		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Of other female genital organs		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(d) Of the brain and other parts of the central nervous system		Male	5	1	....	....	1	....	....	....	1	1	1	....	....
		Female	7	....	....	2	....	1	1	1	....	1	1	....	....
(e) Of other and unspecified organs		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	1	1	....	....	....	....	....	....	....	....	....	....	....
CLASS III.—RHEUMATISM, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS, OTHER GENERAL AND VITAMIN DEFICIENCY DISEASES		**Total**	191	17	25	16	13	20	15	11	12	23	16	11	12
		Male	88	7	15	4	7	8	4	9	5	8	9	4	8
		Female	103	10	10	12	6	12	11	2	7	15	7	7	4

58	Acute rheumatic fever	**Total**	**Male**	10	1	2	1	....	2	....	2	....	....	....	....	2
			Female	6	....	....	....	....	5	....	1	....	....	....	....	....
	(a) Acute rheumatic heart conditions		Male	8	1	2	1	....	1	....	2	....	....	....	....	1
			Female	6	....	....	....	....	5	....	1	....	....	....	....	....
	(b) Others under this title		Male	2	....	....	....	....	1	....	....	....	....	....	....	1
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
59	Chronic rheumatism and other rheumatic diseases		Male	3	....	1	....	....	....	....	....	....	....	1	....	1
			Female	3	....	....	....	1	....	....	....	....	1	1	....	....
60	Gout		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
61	Diabetes mellitus		Male	68	4	10	3	6	6	4	7	5	8	7	3	5
			Female	75	7	7	12	3	5	9	1	5	12	6	5	3
62	Diseases of the pituitary gland		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
63	Diseases of the thyroid and parathyroid glands	**Total**	**Male**	4	2	1	....	....	....	....	....	....	....	1	....	....
			Female	15	3	3	....	2	2	1	....	1	2	....	1	....
	(a) Simple goitre		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
			Female	3	1	1	....	....	1	....	....	....	....	....	....	....
	(b) Exophthalmic goitre		Male	4	2	1	....	....	....	....	....	....	....	1	....	....
			Female	11	2	2	....	2	1	1	....	....	2	....	1	....
	(c) Myxoedema and cretinism		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(d) Others under this title		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
			Female	1	....	....	....	....	....	....	....	1	....	....	....	....
64	Diseases of the thymus gland		Male	2	....	1	....	1	....	....	....	....	....	....	....	....
			Female	3	....	....	....	....	....	1	....	....	....	....	1	1
65	Diseases of the adrenal glands (Addison's disease)		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
66	Other general diseases		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
70	Rickets		Male	1	....	....	....	....	....	....	....	....	....	1	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
71	Other vitamin deficiency diseases		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
			Female	1	....	....	....	....	....	....	....	1	....	....	....	....
CLASS IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS			**Total**	67	6	7	8	6	8	4	7	3	2	4	7	5
			Male	41	3	4	5	3	6	3	4	1	1	3	4	4
			Female	26	3	3	3	3	2	1	3	2	1	1	3	1
72	Haemorrhagic conditions	**Sub-total**	Male	3	1	....	....	....	1	....	....	....	....	1	....	....
			Female	5	1	....	1	....	....	....	1	1	....	1	....	....
	(a) Primary purpura		Male	2	....	....	....	....	1	....	....	....	....	1	....	....
			Female	5	1	....	1	....	....	....	1	1	....	1	....	....
	(b) Haemophilia		Male	1	1	....	....	....	....	....	....	....	....	....	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(c) Others under this title		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
73	Anaemias	**Subtotal**	Male	16	2	1	1	1	3	2	1	....	....	1	2	2
			Female	8	1	....	2	1	1	....	2	....	....	....	1	....
	(a) Pernicious anaemia		Male	10	1	1	1	1	2	1	....	....	....	1	1	1
			Female	6	....	....	2	1	1	....	2	....	....	....	....	....

TABLE 17.—CAUSES OF DEATH FOR EACH SEX BY MONTH OF DEATH AND RESIDENCE IN ALBERTA, 1945—Continued

CAUSES OF DEATH			Total	MONTHS											
				January	February	March	April	May	June	July	August	September	October	November	December
(b) Others under this title		Male	6	1	....	....	....	1	1	1	....	....	....	1	1
		Female	2	1	....	....	....	....	....	....	....	....	....	1	....
74 Leukaemias and aleukaemias	Sub-total	Male	22	....	3	4	2	2	1	3	1	1	1	2	2
		Female	11	1	3	....	2	1	1	....	1	1	....	....	1
(a) Leukaemias		Male	21	....	3	3	2	2	1	3	1	1	1	2	2
		Female	11	1	3	....	2	1	1	....	1	1	....	....	1
(b) Aleukaemias (Hodgkin's disease excepted)		Male	1	....	....	1	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
75 Diseases of the spleen		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	1	....	....	....	....	....	....	....	....	....	....	1	....
76 Other diseases of the blood and blood-forming organs		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	1	....	....	....	....	....	....	....	....	....	....	1	....
		Total	6	....	....	1	2	1	1	....	....	....	....	1	....
CLASS V.—CHRONIC POISONING AND INTOXICATION		**Male**	6	....	....	1	2	1	1	....	....	....	....	1	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
77 Alcoholism	Sub-total	Male	3	....	....	1	....	1	1	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Acute alcoholism		Male	2	....	....	....	....	1	1	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Chronic alcoholism		Male	1	....	....	1	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
78 Lead poisoning		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Occupational		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Non-occupational		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
79 Chronic poisoning by other mineral and organic substances		Male	3	....	....	....	2	....	....	....	....	....	....	1	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Non-occupational		Male	3	....	....	....	2	....	....	....	....	....	....	1	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS		**Total**	622	59	47	55	55	56	43	39	54	50	42	60	62
		Male	329	32	21	29	28	34	24	17	31	33	23	28	29
		Female	293	27	26	26	27	22	19	22	23	17	19	32	33
80 Encephalitis (non-epidemic)	Total	Male	8	....	....	....	....	2	....	....	2	1	2	....	1
		Female	2	....	....	....	....	....	....	....	....	....	....	....	2

(a) Intracranial abscess	Male	1	....	....	....	....	....	....	....	1	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Others under this title	Male	7	....	....	....	....	2	....	....	1	1	2	....	1
	Female	2	....	....	....	....	....	....	....	....	....	....	....	2
81 Meningitis (non-meningococcal)	**Total**	**Male**	**4**	....	....	....	....	....	**1**	....	....	**1**	**2**	....	....
		Female	**10**	....	**1**	**1**	....	**1**	**1**	**1**	**2**	....	....	**2**	**1**
(a) Simple meningitis		Male	4	....	....	....	....	....	1	....	....	1	2	....	....
		Female	10	....	1	1	....	1	1	1	2	....	....	2	1
(b) Acute cerebrospinal meningitis		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
82 Diseases of the medulla and spinal cord		Male	9	....	2	1	....	....	1	....	1	1	1	1	1
		Female	5	....	....	1	1	....	....	....	1	....	....	1	1
83 Intracranial lesions of vascular origin	**Total**	**Male**	**265**	**28**	**16**	**23**	**25**	**26**	**18**	**16**	**22**	**29**	**16**	**23**	**23**
		Female	**248**	**25**	**23**	**21**	**22**	**19**	**18**	**17**	**17**	**14**	**19**	**25**	**28**
(a) Cerebral haemorrhage or effusion		Male	129	15	7	14	15	8	7	9	8	13	9	14	10
		Female	130	11	11	12	13	12	6	11	9	9	7	15	14
(b) Cerebral embolism and thrombosis		Male	12	3	....	2	....	2	....	....	1	1	1	2	....
		Female	5	1	....	....	....	....	2	....	....	....	1	1	....
(c) Cerebral softening		Male	1	....	....	....	....	....	1	....	....	....	....	....	....
		Female	2	....	....	....	1	....	....	....	....	....	....	1	....
(d) Hemiplegia and other paralysis of unspecified origin		Male	7	2	1	....	....	....	....	1	2	....	....	....	1
		Female	12	1	2	2	....	....	....	2	1	....	1	1	2
(e) With mention of arteriosclerosis		Male	116	8	8	7	10	16	10	6	11	15	6	7	12
		Female	99	12	10	7	8	7	10	4	7	5	10	7	12
84 Mental disorders and deficiency (general paralysis of the insane excepted)	**Total**	**Male**	**4**	....	....	....	**2**	....	**1**	....	....	....	....	....	**1**
		Female	**4**	....	....	....	**1**	**2**	....	**1**	....	....	....	....	....
(a) Schizophrenia (dementia praecox)		Male	1	....	....	....	....	....	1	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Others under this title		Male	3	....	....	....	2	....	....	....	....	....	....	....	1
		Female	4	....	....	....	1	2	....	1	....	....	....	....	....
85 Epilepsy		Male	9	1	1	....	....	1	1	....	1	1	2	....	1
		Female	6	1	....	1	....	....	....	1	....	2	....	1	....
86 Convulsions (under 5 years of age)		Male	4	1	....	....	1	....	....	....	....	....	....	1	1
		Female	2	....	....	....	1	....	....	....	....	....	....	1	....
87 Other diseases of the nervous system	**Total**	**Male**	**20**	**2**	**2**	**5**	....	**3**	**1**	....	**3**	....	....	**3**	**1**
		Female	**10**	**1**	**1**	**1**	**1**	....	....	**2**	**2**	....	....	**1**	**1**
(a) Chorea		Male	1	....	....	....	....	....	....	....	....	....	....	1	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Neuritis		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	1	1	....	....	....	....	....	....	....	....	....	....	....
(c) Paralysis agitans		Male	8	1	1	1	....	2	....	....	1	....	....	1	1
		Female	1	....	....	....	....	....	....	....	....	....	....	1	....
(d) Disseminated sclerosis		Male	10	1	1	3	....	1	1	....	2	....	....	1	....
		Female	5	....	1	1	....	....	....	1	2	....	....	....	....
(e) Others under this title		Male	1	....	....	1	....	....	....	....	....	....	....	....	....
		Female	3	....	....	....	1	....	....	1	....	....	....	....	1
88 Diseases of organs of vision		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	2	....	....	....	....	....	....	....	....	1	....	1	....
89 Diseases of the ear and of the mastaid process		Male	6	....	....	....	....	2	1	1	2	....	....	....	....
		Female	4	....	1	1	1	....	....	....	1	....	....	....	....

TABLE 17.—CAUSES OF DEATH FOR EACH SEX BY MONTH OF DEATH AND RESIDENCE IN ALBERTA, 1945—Continued

CAUSES OF DEATH		Total	MONTHS											
			January	February	March	April	May	June	July	August	September	October	November	December
(a) Otitis and other diseases of the ear	Male	5	....	....	....	....	1	1	1	2	....	....	....	....
	Female	4	....	1	1	1	....	....	....	1	....	....	....	....
(b) Diseases of the mastoid process	Male	1	....	....	....	....	1	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM	**Total**	**1791**	**157**	**153**	**139**	**158**	**152**	**147**	**129**	**128**	**138**	**147**	**167**	**176**
	Male	**1187**	**117**	**104**	**86**	**102**	**93**	**105**	**78**	**72**	**95**	**96**	**122**	**117**
	Female	**604**	**40**	**49**	**53**	**56**	**59**	**42**	**51**	**56**	**43**	**51**	**45**	**59**
90-95 Diseases of the heart	**Total**	**1098**	**109**	**93**	**77**	**98**	**91**	**97**	**71**	**67**	**90**	**87**	**111**	**107**
	Male	**545**	**31**	**47**	**48**	**50**	**54**	**38**	**46**	**48**	**41**	**44**	**40**	**58**
	Female	3	....	....	2	....	....	....	....	....	....	....	1	....
90 Pericarditis (acute rheumatic excluded)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	1	....
(a) Chronic rheumatic pericarditis	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	2	....	....	2	....	....	....	....	....	....	....	....	....
(b) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	5	1	....	....	....	1	....	....	....	1	....	....	2
91 Acute endocarditis (non-rheumatic)	**Sub-total**	3	....	1	....	....	....	....	....	....	1	1	....	....
	Mal e	5	1	....	....	....	1	....	....	....	1	....	....	2
(a) Bacterial endocarditis (acute, subacute or unspecified)	Female	2	....	1	....	....	....	....	....	....	1	....	....	....
	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Other acute or subacute endocarditis	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Endocarditis (not specified under 45 years)	Female	1	....	....	....	....	....	....	....	....	....	1	....	....
92 Chronic affections of the valves and endacordium	**Sub-total**	104	11	8	13	15	15	5	4	3	12	8	3	7
	Male	68	6	4	11	4	10	4	4	6	4	4	4	7
(a) Specified valvular diseases (rheumatic)	Male	43	5	2	8	7	8	1	2	1	3	3	....	3
	Female	32	1	3	2	1	6	1	3	4	1	3	4	3
(b) Other specified valvular diseases (non-rheumatic)	Male	47	4	6	5	4	4	4	1	2	6	4	3	4
	Female	33	5	1	9	3	3	2	1	2	3	1	....	3
(c) Unspecified valvular lesions and endocarditis	Male	14	2	....	....	4	3	....	1	....	3	1	....	....
	Female	3	....	....	....	....	1	1	....	....	....	....	....	1
93 Diseases of the myocardium	**Sub-total**	475	46	45	27	44	38	50	36	32	39	32	44	42
	Female	301	11	29	26	32	34	26	28	25	18	16	22	34
(a) Acute myocarditis	Male	9	2	....	2	2	....	....	1	1	1	....	....	....
	Female	5	....	2	1	....	1	....	....	....	....	....	....	1
(b) Myocarditis (not specified under 45 years)	Male	3	....	....	....	1	....	....	1	....	....	1	....	....
	Female	2	....	....	....	....	1	....	....	....	....	....	....	1

(c) Chronic myocarditis and myocardial degeneration (rheumatic)	Male	16	4	...	...	3	2	...	1	...	2	2	...	2
	Female	19	1	1	...	...	3	1	2	4	2	...	2	3
(d) Chronic myocarditis (non-rheumatic)	Male	379	32	37	23	29	31	44	28	26	32	26	38	33
	Female	224	8	18	22	30	21	18	23	15	15	14	17	23
(e) Other myocarditis (not specified)	Male	68	8	8	2	9	5	6	5	5	4	3	6	7
	Female	51	2	8	3	2	8	7	3	6	1	2	3	6
94 Diseases of the coronary arteries and angina pectoris **Sub-total**	Male	440	45	32	29	30	32	33	29	29	33	42	56	50
	Female	141	12	9	9	11	9	6	10	15	13	19	14	14
(a) Diseases of the coronary arteries	Male	430	45	31	29	29	29	31	29	28	33	41	56	49
	Female	139	12	9	9	10	9	6	10	15	13	19	13	14
(b) Angina pectoris	Male	10	...	1	...	1	3	2	...	1	...	1	...	1
	Female	2	...	...	...	1	...	...	...	...	...	...	1	...
95 Other diseases of the heart **Sub-total**	Male	71	6	8	6	9	5	9	2	3	5	5	7	6
	Female	32	2	4	2	3	1	2	4	2	5	4	...	3
(a) Functional diseases of the heart (no organic lesion)	Male	4	...	...	...	...	1	2	...	...	1	...	...	...
	Female	6	1	...	2	1	1	...	...	...	...	1	...	...
(b) Other diseases of the heart (rheumatic)	Male	10	1	5	...	3	...	1	...	...	...	...	...	...
	Female	7	1	1	...	...	...	1	1	...	1	...	...	2
(c) Other diseases of the heart (non-rheumatic)	Male	57	5	3	6	6	4	6	2	3	4	5	7	6
	Female	19	...	3	...	2	...	1	3	2	4	3	...	1
96 Aneurysm (heart and aorta excepted)	Male	4	...	...	...	...	...	...	...	1	...	1	1	1
	Female	3	1	...	...	...	...	...	1	1	...	...	...	...
97 Arteriosclerosis (coronary or renal sclerosis or cerebral haemorrhage excepted)	Male	57	7	6	6	2	1	7	5	2	3	4	8	6
	Female	36	6	1	4	4	4	3	4	2	2	3	3	...
98 Gangrene	Male	...	...	...	...	...	...	...	...	...	...	...	...	...
	Female	3	...	...	...	...	...	...	...	1	...	1	1	...
99 Other diseases of the arteries	Male	17	...	4	1	1	1	1	1	2	1	2	2	1
	Female	6	1	1	...	1	...	...	...	2	...	...	...	1
100 Diseases of the veins	Male	1	...	...	1	...	...	...	...	...	...	...	...	...
	Female	4	1	...	...	1	...	...	...	1	...	...	1	...
101 Diseases of the lymphatic system	Male	1	1	...	...	...	...	...	...	...	...	...	...	...
	Female	...	...	...	...	...	...	...	...	...	...	...	...	...
102 High blood pressure (idiopathic)	Male	8	...	1	1	1	...	...	1	...	...	2	...	2
	Female	7	...	...	1	...	...	1	...	1	...	3	...	...
103 Other diseases of the circulatory system	Male	1	...	...	...	...	...	...	...	...	1	...	...	...
	Female	...	...	...	...	...	...	...	...	...	...	...	...	...
CLASS VIII.—DISEASES OF THE RESPIRATORY SYSTEM	**Total**	**446**	**45**	**47**	**50**	**48**	**52**	**30**	**17**	**26**	**24**	**30**	**36**	**41**
	Male	**272**	**32**	**26**	**32**	**28**	**35**	**20**	**5**	**19**	**12**	**16**	**21**	**26**
	Female	**174**	**13**	**21**	**18**	**20**	**17**	**10**	**12**	**7**	**12**	**14**	**15**	**15**
104 Diseases of the nasal fossae and accessory sinuses	Male	1	1	...	...	...	...	...	...	...	...	...	...	...
	Female	3	1	...	...	...	1	1	...	...	...	...	...	...
105 Diseases of the larynx	Male	2	...	...	...	1	...	...	...	...	...	...	...	1
	Female	1	...	...	1	...	...	...	...	...	...	...	...	...
106 Bronchitis	Male	11	3	1	1	...	...	3	...	...	1	...	...	2
	Female	9	1	...	1	2	...	...	1	...	...	1	2	1
(a) Acute	Male	6	2	...	1	...	...	...	...	...	1	...	...	2
	Female	3	...	...	1	...	...	...	...	...	...	1	1	...

TABLE 17.—CAUSES OF DEATH FOR EACH SEX BY MONTH OF DEATH AND RESIDENCE IN ALBERTA, 1945—Continued

	CAUSES OF DEATH		Total	MONTHS											
				January	February	March	April	May	June	July	August	September	October	November	December
	(b) Chronic	Male	5	1	1	....	....	....	3	....	....	....	....	....	....
		Female	4	1	....	....	2	....	....	1	....	....	....	....	....
	(c) Unspecified	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	2	....	....	....	....	....	....	....	....	....	....	1	1
107	Broncho pneumonia	Male	142	18	17	17	15	19	7	3	8	7	9	9	13
		Female	85	8	11	9	9	5	4	6	4	7	9	6	7
108	Lobar pneumonia	Male	68	8	6	6	10	10	6	2	6	1	3	5	5
		Female	32	2	3	3	6	4	4	3	1	2	1	3	....
109	Pneumonia (unspecified)	Male	21	1	1	6	1	1	1	....	2	1	2	3	2
		Female	19	1	3	1	2	4	....	1	2	2	1	1	1
110	Pleurisy	Male	4	1	....	....	1	....	....	....	....	....	1	1	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(a) Empyema	Male	3	1	....	....	1	....	....	....	....	....	1	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Others under this title	Male	1	....	....	....	....	....	....	....	....	....	....	1	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
111	Haemorrhagic infarction, congestion, oedema and thrombosis of the lungs	Male	7	....	1	1	....	1	1	....	1	1	....	....	1
		Female	9	....	2	1	....	2	....	1	....	1	1	1	....
	(a) Haemorrhagic infarction and thrombosis of the lungs	Male	4	....	....	....	....	....	1	....	1	1	....	....	1
		Female	3	....	....	1	....	1	....	....	....	....	1	....	....
	(b) Others under this title	Male	3	....	1	1	....	1	....	....	....	....	....	....	....
		Female	6	....	2	....	....	1	....	1	....	1	....	1	....
112	Asthma	Male	12	....	....	1	....	3	2	....	1	1	....	3	1
		Female	11	....	1	1	1	....	1	....	....	....	1	2	4
113	Pulmonary emphysema	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
114	Other diseases of the respiratory system (tuberculosis excepted)	Sub-total Male	4	....	....	....	....	1	....	....	1	....	1	....	1
		Female	5	....	1	1	....	1	....	....	....	....	....	....	2
	(a) Silicosis	Male	1	....	....	....	....	....	....	....	....	....	....	....	1
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Other and unspecified forms of pneumoconioses	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(c) Gangrene of lung	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Others under this title	Male	3	....	....	....	....	1	....	....	1	....	1	....	....
		Female	5	....	1	1	....	1	....	....	....	....	....	....	2

CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM	**Total**	**378**	**34**	**32**	**28**	**23**	**29**	**26**	**34**	**28**	**38**	**42**	**30**	**34**
	Male	**234**	**24**	**22**	**17**	**11**	**15**	**21**	**23**	**16**	**20**	**25**	**17**	**23**
	Female	**144**	**10**	**10**	**11**	**12**	**14**	**5**	**11**	**12**	**18**	**17**	**13**	**11**
115 Diseases of the buccal cavity and annexa, and of the pharynx and tonsils	Male	10	1	1	....	....	....	1	....	1	2	3	....	1
	Female	7	1	4	....	....	....	....	....	1	1	....	....	....
(a) Diseases of the teeth and gums	Male	2	....	1	....	....	....	....	....	1	....	....	....	....
	Female	1	1	....	....	....	....	....	....	....	....	....	....	....
(b) Septic sore throat	Male	1	....	....	....	....	....	....	....	....	....	1	....	....
	Female	1	....	1	....	....	....	....	....	....	....	....	....	....
(c) Diseases of the pharynx and tonsils	Male	5	1	....	....	....	....	1	....	....	1	2	....	....
	Female	3	....	2	....	....	....	....	....	1	....	....	....	....
(d) Others under this title	Male	2	....	....	....	....	....	....	....	....	1	....	....	1
	Female	2	....	1	....	....	....	....	....	....	1	....	....	....
116 Diseases of the oesophagus	Male	1	....	....	....	....	....	....	....	....	....	....	....	1
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
117 Ulcer of the stomach or duodenum	Male	49	6	4	4	3	3	3	5	6	1	4	3	7
	Female	7	....	....	1	....	1	1	....	1	1	....	1	1
(a) Stomach	Male	28	5	1	2	3	2	2	3	3	....	3	....	4
	Female	4	....	....	....	....	1	1	....	1	....	....	1	....
(b) Duodenum	Male	21	1	3	2	....	1	1	2	3	1	1	3	3
	Female	3	....	....	1	....	....	....	....	....	1	....	....	1
118 Other diseases of the stomach	Male	3	....	1	1	....	....	....	....	....	....	....	....	1
	Female	2	....	....	....	....	1	....	....	....	....	....	1	....
119 Diarrhoea and enteritis (under 2 years of age)	Male	48	4	6	2	2	3	4	6	3	4	6	4	4
	Female	23	1	....	2	4	....	1	....	4	4	3	3	1
(a) Diarrhoea and enteritis	Male	48	4	6	2	2	3	4	6	3	4	6	4	4
	Female	23	1	....	2	4	....	1	....	4	4	3	3	1
(b) Ulceration of the intestines	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
120 Diarrhoea and enteritis (2 years of age and over)	Male	9	1	....	2	....	....	3	....	....	1	1	....	1
	Female	7	....	1	1	....	....	1	....	....	1	2	....	1
(a) Diarrhoea and enteritis	Male	3	....	....	....	....	....	2	....	....	....	1	....	....
	Female	4	....	1	1	....	....	1	....	....	....	1	....	....
(b) Ulceration of the intestines	Male	6	1	....	2	....	....	1	....	....	1	....	....	1
	Female	3	....	....	....	....	....	....	....	....	1	1	....	1
121 Appendicitis	Male	29	5	4	2	1	....	2	3	2	2	3	3	2
	Female	13	1	1	1	1	5	....	1	....	....	2	1	....
122 Hernia, intestinal obstruction	Male	34	3	1	2	2	6	2	3	2	6	2	2	3
	Female	26	2	2	2	5	1	....	....	....	6	5	1	2
(a) Hernia	Male	18	1	1	....	1	4	2	2	....	2	1	2	2
	Female	12	....	2	2	3	....	....	....	....	3	2	....	....
(b) Intestinal obstruction	Male	16	2	....	2	1	2	....	1	2	4	1	....	1
	Female	14	2	....	....	2	1	....	....	....	3	3	1	2
123 Other diseases of the intestines	Male	2	....	....	....	....	....	....	....	1	....	1	....	....
	Female	3	1	....	....	....	....	....	....	....	1	1	....	....
124 Cirrhosis of the liver	Male	22	1	5	....	....	1	6	2	1	2	2	1	1
	Female	15	1	1	1	....	1	....	3	1	2	2	....	3
(a) With mention of alcoholism	Male	6	....	1	....	....	....	2	1	....	....	1	....	1
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Without mention of alcoholism	Male	16	1	4	....	....	1	4	1	1	2	1	1	....
	Female	15	1	1	1	....	1	....	3	1	2	2	....	3

TABLE 17.—CAUSES OF DEATH FOR EACH SEX BY MONTH OF DEATH AND RESIDENCE IN ALBERTA, 1945—Continued

CAUSES OF DEATH		Total	MONTHS											
			January	February	March	April	May	June	July	August	September	October	November	December
125 Other diseases of the liver	Male	4	1	....	1	....	....	....	1	....	....	....	1	....
	Female	3	1	....	....	....	....	....	1	....	....	....	1	....
Acute yellow atrophy	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	3	1	....	....	....	....	....	1	....	....	....	1	....
(b) Others under this title	Male	4	1	....	1	....	....	....	1	....	....	....	1	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
126 Biliary calculi	Male	12	1	....	....	2	1	....	1	....	2	2	2	1
	Female	21	1	1	3	....	1	1	4	4	....	2	4	....
127 Other diseases of the gall-bladder and bile ducts	Male	9	1	....	2	....	1	....	1	....	....	1	1	1
	Female	12	1	....	....	2	2	1	1	....	1	....	1	3
128 Diseases of the pancreas	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	2	....	....	....	....	1	....	1	....	....	....	....	....
129 Peritonitis without stated cause	Male	2	....	....	1	....	....	....	1	....	....	....	....	....
	Female	3	....	....	....	....	1	....	....	1	1	....	....	....
	Total	**335**	**33**	**33**	**33**	**26**	**22**	**32**	**33**	**28**	**22**	**24**	**24**	**25**
CLASS X.—DISEASES OF THE URINARY AND GENITAL SYSTEMS	**Male**	**201**	**17**	**17**	**23**	**17**	**14**	**25**	**18**	**17**	**7**	**17**	**12**	**17**
	Female	**134**	**16**	**16**	**10**	**9**	**8**	**7**	**15**	**11**	**15**	**7**	**12**	**8**
130 Acute nephritis	Male	4	....	1	....	....	....	1	1	....	....	1	....	....
	Female	3	1	1	1	....	....	....	....	....	....	....	....	....
131 Chronic nephritis	Male	129	12	10	14	8	12	16	12	11	4	9	7	14
	Female	99	13	13	6	5	3	4	11	9	14	5	9	7
132 Nephritis unspecified (over 10 years of age)	Male	9	....	2	1	3	....	1	....	2	....	....	....	....
	Female	11	....	....	1	3	3	1	1	1	....	....	1	....
133 Other diseases of the kidneys and ureters	Male	8	1	1	....	....	1	2	....	....	1	1	1	....
	Female	6	1	....	....	1	1	....	1	....	....	....	1	1
134 Calculi of the urinary passages	Male	2	....	....	2	....	....	....	....	....	....	....	....	....
	Female	1	....	1	....	....	....	....	....	....	....	....	....	....
135 Diseases of the urinary bladder	Male	2	....	....	....	....	....	....	....	1	1	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
136 Diseases of the urethra, urinary abscess, etc.	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Stricture of the urethra	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
137 Diseases of the prostate	Male	45	4	3	6	6	1	5	4	3	1	6	4	2
138 Diseases of the male genital organs (non-venereal)	Male	2	....	....	....	....	....	....	1	....	....	....	....	1

139	Diseases of the female genital organs (non-venereal)	Female	14	1	1	2	....	1	2	2	1	1	2	1	....
	(a) Ovaries, Fallopian tubes and parametria	Female	5	....	....	....	....	....	2	....	....	1	1	1	....
	(b) Uterus	Female	8	1	1	2	....	....	....	2	1	....	1	....	....
	(c) Others under this title	Female	1	....	....	....	....	1	....	....	....	....	....	....	....
CLASS XI.—DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE		**Total**	**48**	**5**	**2**	**10**	**1**	**2**	**2**	**8**	**3**	**5**	**5**	**3**	**2**
140	Abortion with mention of infection	Female	7	....	1	2	....	1	....	....	1	1	1	....	....
	(a) Spontaneous, therapeutic or unspecified	Female	5	....	1	2	....	....	....	....	1	....	1	....	....
	(b) Self-induced	Female	2	....	....	....	....	1	....	....	....	1	....	....	....
	(c) Non-therapeutic	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
141	Abortion without mention of infection	Female	3	....	....	....	....	....	....	1	....	1	1	....	....
	(a) Spontaneous, therapeutic or unspecified	Female	3	1	....	....	....	....	....	1	....	1	....	....	....
	(b) Self-induced	Female	2	....	....	....	....	....	....	1	....	1	....	....	....
	(c) Non-therapeutic	Female	1	....	....	....	....	....	....	....	....	....	1	....	....
142	Ectopic gestation	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(a) With mention of infection	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Without mention of infection	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
143	Haemorrhage of pregnancy, death prior to delivery	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(a) Placenta praevia	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Premature separation of placenta	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(c) Others under this title	Female	1	1	....	....	....	....	....	....	....	....	....	....	....
144	Toxaemias of pregnancy, death prior to delivery	Female	2	....	....	....	....	....	....	1	....	....	1	....	....
145	Other diseases and accidents of pregnancy, death prior to delivery	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
146	Haemorrhage of childbirth and the puerperium	Female	6	....	....	1	....	....	1	....	....	....	1	2	1
	(a) Placenta praevia	Female	1	....	....	....	....	....	....	....	....	....	1	....	....
	(b) Premature separation of placenta	Female	1	....	....	....	....	....	....	....	....	....	....	1	....
	(c) Others under this title	Female	4	....	....	1	....	....	1	....	....	....	....	1	1

TABLE 17.—CAUSES OF DEATH FOR EACH SEX BY MONTH OF DEATH AND RESIDENCE IN ALBERTA, 1945—Continued

CAUSES OF DEATH		Total	MONTHS											
			January	February	March	April	May	June	July	August	September	October	November	December
147 Infection during childbirth and the puerperium	Female	17	3	1	2	....	1	1	4	1	2	1	1	....
148 Puerperal toxaemias—following delivery	Female	4	....	....	1	1	....	....	1	1	....	....	....	....
(a) Puerperal eclampsia	Female	2	....	....	1	....	....	....	1	....	....	....	....	....
b) Puerperal albuminuria and nephritis	Female	2	....	....	....	1	....	....	....	1	....	....	....	....
(c) Acute yellow atrophy of liver	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(d) Others under this title	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
149 Other accidents of childbirth	Female	5	1	....	3	....	....	....	1	....	....	....	....	....
(a) Laceration, rupture or other trauma of pelvic organs and tissues	Female	1	....	....	1	....	....	....	....	....	....	....	....	....
(b) Other accidents of childbirth	Female	4	1	....	2	....	....	....	1	....	....	....	....	....
150 Other and unspecified conditions of childbirth and the puerperal state	Female	3	....	....	1	....	....	....	....	....	1	....	....	1
(a) Infection of breast during lactation	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Psychosis of the puerperal state	Female	1	....	....	....	....	....	....	....	....	1	....	....	....
(c) Others under this title	Female	2	....	....	1	....	....	....	....	....	....	....	....	1
CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE	**Total**	**11**	**2**	....	**1**	**2**	**1**	**1**	....	**1**	**1**	....	**1**	**1**
	Male	**6**	**1**	....	**1**	**1**	**1**	**1**	....	**1**	....	....	....	....
	Female	**5**	**1**	....	....	**1**	....	....	....	....	**1**	....	**1**	**1**
151 Carbuncle and furuncle	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
152 Phlegmon and acute abscesses	Male	2	....	....	1	....	1	....	....	....	....	....	....	....
	Female	2	....	....	....	....	....	....	....	....	....	....	1	1
153 Other diseases of the skin and cellular tissue	Male	4	1	....	....	1	1	....	....	1	....	....	....	....
	Female	3	1	....	....	1	....	....	....	....	1	....	....	....
CLASS XIII.—DISEASES OF THE BONES AND ORGANS OF MOVEMENT	**Total**	**7**	**2**	**1**	**1**	**1**	....	**1**	....	....	....	**1**	....	....
	Male	**6**	**2**	**1**	**1**	**1**	....	**1**	....	....	....	....	....	....
	Female	**1**	....	....	....	....	....	....	....	....	....	**1**	....	....

154 Osteomyelitis and periostitis	Male	2	1	....	....	....	....	1	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	1	....	....
155 Other diseases of the bones (tuberculosis excepted)	Male	3	1	1	1	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
156 Diseases of the joints and other organs of movement	Male	1	....	....	....	1	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Diseases of the joints (tuberculosis and rheumatism excepted)	Male	1	....	....	....	1	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS XIV.—CONGENITAL MALFORMATIONS	**Total**	**123**	**14**	**11**	**12**	**13**	**9**	**12**	**9**	**8**	**8**	**10**	**9**	**8**
	Male	**76**	**8**	**7**	**7**	**8**	**3**	**7**	**8**	**5**	**5**	**6**	**6**	**6**
	Female	**47**	**6**	**4**	**5**	**5**	**6**	**5**	**1**	**3**	**3**	**4**	**3**	**2**
157 Congenital malformations	Male	76	8	7	7	8	3	7	8	5	5	6	6	6
	Female	47	6	4	5	5	6	5	1	3	3	4	3	2
(a) Congenital hydrocephalus	Male	17	3	2	....	2	1	2	1	1	....	2	1	2
	Female	9	1	1	1	1	....	1	....	1	....	2	1	....
(b) Spina bifida and meningocele	Male	7	3	1	1	1	....	....	....	....	....	....	....	1
	Female	1	....	....	....	....	....	1	....	....	....	....	....	....
(c) Anencephalus	Male	1	....	....	....	....	....	....	....	....	....	1	....	....
	Female	3	....	1	....	....	....	....	....	....	....	1	1	....
(d) Congenital malformations of the heart	Male	22	....	2	3	2	1	3	3	1	1	2	3	1
	Female	18	2	....	3	1	4	3	1	....	1	....	1	2
(e) Others under this title	Male	29	2	2	3	3	1	2	4	3	4	1	2	2
	Female	16	3	2	1	3	2	....	....	2	2	1	....	....
CLASS XV.—DISEASES PECULIAR TO THE FIRST YEAR OF LIFE	**Total**	**390**	**28**	**20**	**42**	**41**	**32**	**38**	**36**	**37**	**20**	**37**	**34**	**25**
	Male	**218**	**16**	**10**	**26**	**23**	**18**	**19**	**22**	**18**	**16**	**20**	**17**	**13**
	Female	**172**	**12**	**10**	**16**	**18**	**14**	**19**	**14**	**19**	**4**	**17**	**17**	**12**
158 Congenital debility	Male	8	1	....	1	2	....	1	....	....	....	....	1	2
	Female	8	1	1	....	1	....	1	2	1	....	1	....	....
159 Premature birth	Male	130	10	6	16	15	12	10	14	11	8	13	9	6
	Female	111	5	8	13	10	11	13	8	10	1	9	15	8
160 Injury at birth **Sub-total**	Male	49	2	4	6	3	2	5	6	2	6	4	6	3
	Female	29	5	....	2	4	1	3	3	4	1	4	....	2
(a) Intracranial or spinal haemorrhage	Male	24	....	2	3	1	2	4	4	1	2	1	2	2
	Female	18	4	....	2	3	....	2	1	2	....	2	....	2
(b) Other intracranial or spinal injuries	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Others under this title	Male	25	2	2	3	2	....	1	2	1	4	3	4	1
	Female	11	1	....	....	1	1	1	2	2	1	2	....	....
161 Other diseases peculiar to the first year of life **Sub-total**	Male	31	3	....	3	3	4	3	2	5	2	3	1	2
	Female	24	1	1	1	3	2	2	1	4	2	3	2	2
(a) Asphyxia (unspecified), atelectasis	Male	20	....	....	1	3	4	1	2	4	2	2	1	....
	Female	13	....	....	....	3	1	1	....	2	2	2	....	2
(b) Infection of the umbilicus, pemphigus and other infections	Male	2	1	....	1	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Other specified diseases peculiar to the first year of life	Male	9	2	....	1	....	....	2	....	1	....	1	....	2
	Female	11	1	1	1	....	1	1	1	2	....	1	2	....

TABLE 17.—CAUSES OF DEATH FOR EACH SEX BY MONTHS OF DEATH AND RESIDENCE IN ALBERTA, 1945—Continued

CAUSES OF DEATH		Total	MONTHS											
			January	February	March	April	May	June	July	August	September	October	November	December
CLASS XVI.—SENILITY	**Total**	**129**	**13**	**11**	**10**	**13**	**9**	**7**	**9**	**6**	**6**	**12**	**20**	**13**
	Male	**54**	**6**	**5**	**3**	**6**	**3**	**4**	**4**	**4**	**2**	**5**	**8**	**4**
	Female	**75**	**7**	**6**	**7**	**7**	**6**	**3**	**5**	**2**	**4**	**7**	**12**	**9**
162 Senility	Male	54	6	5	3	6	3	4	4	4	2	5	8	4
	Female	75	7	6	7	7	6	3	5	2	4	7	12	9
(a) With dementia	Male	4	....	....	....	....	....	....	....	2	....	1	1	....
	Female	5	....	....	....	1	1	....	1	....	....	....	1	1
(b) Without dementia	Male	50	6	5	3	6	3	4	4	2	2	4	7	4
	Female	70	7	6	7	6	5	3	4	2	4	7	11	8
CLASS XVII.—VIOLENT OR ACCIDENTAL DEATHS	**Total**	**547**	**33**	**31**	**42**	**32**	**60**	**57**	**60**	**45**	**53**	**48**	**38**	**48**
	Male	**409**	**24**	**23**	**26**	**21**	**48**	**39**	**49**	**33**	**45**	**35**	**28**	**38**
	Female	**138**	**9**	**8**	**16**	**11**	**12**	**18**	**11**	**12**	**8**	**13**	**10**	**10**
163, 164 Suicides	**Total** **Male**	**57**	**1**	**1**	**4**	**3**	**6**	**9**	**8**	**8**	**6**	**2**	**4**	**5**
	Female	**19**	**1**	**1**	**4**	**2**	....	**2**	**2**	**2**	**2**	**1**	**1**	**1**
163 Suicide by poisoning	Male	10	....	....	2	....	1	....	3	2	2	....	....	....
	Female	7	1	....	2	....	....	1	....	2	....	....	....	1
(a) By corrosive substances, solid and liquid poisonings	Male	8	....	....	2	....	1	....	1	2	2	....	....	....
	Female	7	1	....	2	....	....	1	....	2	....	....	....	1
(b) By poisonous gas	Male	2	....	....	....	....	....	....	2	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
164 Suicide by other means	Male	47	1	1	2	3	5	9	5	6	4	2	4	5
	Female	12	....	1	2	2	....	1	2	....	2	1	1	....
(a) By hanging or strangulation	Male	11	....	....	1	....	1	2	1	2	2	....	1	1
	Female	3	....	....	....	1	....	1	....	....	1	....	....	....
(b) By drowning	Male	2	....	....	....	....	1	....	1	....	....	....	....	....
	Female	3	....	....	1	....	....	....	1	....	1	....	....	....
(c) By firearms or explosives	Male	23	1	....	1	....	2	6	3	2	2	2	2	2
	Female	5	....	....	1	1	....	....	1	....	....	1	1	....
(d) By cutting or piercing instruments	Male	4	....	1	....	2	....	1	....	....	....	....	....	....
	Female	1	....	1	....	....	....	....	....	....	....	....	....	....
(e) By jumping from high places	Male	5	....	....	....	1	....	....	....	1	....	....	1	2
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(f) By crushing	Male	1	....	....	....	....	1	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(g) By other or unspecified means	Male	1	....	....	....	....	....	....	....	1	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
166-168 Homicides	**Total** **Male**	**5**	**1**	**2**	....	....	....	....	....	....	**1**	**1**	....	....
	Female	**7**	....	**1**	**2**	....	....	**3**	**1**	....	....	....	....	....
166 Homicide by firearms	Male	1	....	1	....	....	....	....	....	....	....	....	....	....
	Female	5	....	....	2	....	....	2	1	....	....	....	....	....

167	Homicide by cutting or piercing instruments		Male	1	....	1	....	....	....	....	....	....	....	....	....	....
			Female	1	....	1	....	....	....	....	....	....	....	....	....	....
168	Homicide by other or unspecified means		Male	3	1	....	....	....	....	....	....	....	1	1	....	....
			Female	1	....	....	....	....	....	1	....	....	....	....	....	....
169-195	Accidental deaths	**Total**	**Male**	**345**	**22**	**19**	**22**	**18**	**42**	**30**	**41**	**25**	**37**	**32**	**24**	**33**
			Female	**112**	**8**	**6**	**10**	**9**	**12**	**13**	**8**	**10**	**6**	**12**	**9**	**9**
169	Railway accidents (excluding motor vehicles)		Male	8	....	1	1	....	2	....	1	1	....	1	....	1
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
170	Motor vehicle accidents		Male	53	4	2	1	2	4	4	7	3	8	8	3	7
			Female	16	1	....	1	1	....	2	3	2	1	3	....	2
	(a) Collisions with trains		Male	7	....	....	....	....	....	1	1	....	2	1	1	1
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Collisions with street-cars		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(c) Automobile accidents (excluding trains or street-cars)		Male	44	4	2	1	1	4	3	6	3	6	7	2	5
			Female	16	1	....	1	1	....	2	3	2	1	3	....	2
	(d) Motorcycle accidents (excluding automobiles)		Male	2	....	....	....	1	....	....	....	....	....	....	....	1
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
171	Street-car and other road transport accidents	**Sub-total**	Male	10	....	....	....	1	....	1	2	3	1	1	1	....
			Female	3	....	....	....	....	....	1	....	1	....	1	....	....
	(a) Street-car accidents (excluding trains and motor vehicles		Male	1	....	....	....	....	....	....	....	....	....	....	1	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Others under this title		Male	9	....	....	....	1	....	1	2	3	1	1	....	....
			Female	3	....	....	....	....	....	1	....	1	....	1	....	....
172	Water transport accidents		Male	7	....	....	....	....	1	....	1	1	3	1	....	....
			Female	1	....	....	....	....	....	....	....	1	....	....	....	....
173	Air transport accidents		Male	17	4	2	....	....	7	....	3	....	....	1	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
174	Accidents in mines and quarries		Male	24	1	2	4	1	7	3	....	....	1	2	1	2
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
175	Agricultural and forestry accidents	**Sub-total**	Male	33	2	2	2	1	3	2	2	5	6	3	....	5
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(a) Accidents involving agricultural machinery and vehicles		Male	13	....	2	....	....	2	1	1	3	2	1	....	1
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Injury by animals, in agriculture		Male	10	....	....	1	1	....	1	1	2	4	....	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(c) Other agricultural accidents		Male	3	1	....	....	....	....	....	....	....	....	1	....	1
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(d) Accidents involving forestry machinery and vehicles		Male	1	1	....	....	....	....	....	....	....	....	....	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(e) Other forestry accidents		Male	6	....	....	1	....	1	....	....	....	....	1	....	3
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
176	Other accidents involving machinery		Male	10	1	....	1	....	....	1	3	....	1	2	....	1
			Female	1	....	....	....	....	1	....	....	....	....	....	....	....
177	Food poisoning		Male	1	....	....	....	....	....	....	....	....	1	....	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
178	Accidental absorption of poisonous gas	**Sub-total**	Male	5	....	....	....	....	....	....	....	....	....	3	2	....
			Female	1	....	....	....	....	....	....	....	....	....	....	....	1
	(a) Coal and illuminating gas		Male	....	....	....	....	....	....	....	....	....	....	....	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Motor vehicle exhaust gas		Male	2	....	....	....	....	....	....	....	....	....	....	2	....
			Female	1	....	....	....	....	....	....	....	....	....	....	....	1
	(c) Other carbon-monoxide gas		Male	2	....	....	....	....	....	....	....	....	....	2	....	....
			Female	....	....	....	....	....	....	....	....	....	....	....	....	....

TABLE 17.—CAUSES OF DEATH FOR EACH SEX BY MONTH OF DEATH AND RESIDENCE IN ALBERTA, 1945—Continued

	CAUSES OF DEATH		Total	MONTHS											
				January	February	March	April	May	June	July	August	September	October	November	December
	(d) Other poisonous gases	Male	1	....	....	....	....	....	....	....	....	....	1	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
179	Acute accidental poisoning by solids or liquids	Male	14	1	1	2	....	3	4	1	....	....	....	1	1
		Female	4	....	....	....	....	1	1	....	....	1	....	....	1
180	Conflagration	Male	14	1	4	2	1	1	2	....	....	1	1	1	....
		Female	10	1	1	....	1	4	....	....	....	....	....	3	....
181	Accidental burns (conflagration excepted)	Male	10	1	1	....	....	1	2	1	....	....	2	1	1
		Female	7	1	....	....	1	....	1	....	1	1	1	1	....
182	Accidental mechanical suffocation	Male	5	1	....	....	....	....	....	1	....	1	....	....	2
		Female	6	....	1	....	1	1	1	....	....	....	....	1	1
183	Accidental drowning	Male	30	2	1	2	....	3	3	11	6	2	....	....	....
		Female	7	....	....	1	2	....	2	....	....	1	....	1	....
184	Accidental injury by firearms	Male	15	....	1	....	2	1	1	1	....	4	1	3	1
		Female	1	....	....	....	....	....	....	1	....	....	....	....	....
185	Accidental injury by cutting or piercing instruments	Male	2	....	....	1	....	....	....	....	....	....	1	....	....
		Female	2	....	....	....	....	....	....	....	1	1	....	....	....
186	Accidental injury by fall or crushing	Male	54	2	1	6	7	5	4	2	4	4	4	6	9
		Female	39	4	3	7	2	4	3	3	3	1	4	1	4
	(a) Accidental injury by fall	Male	50	2	1	5	7	5	4	2	4	3	4	6	7
		Female	38	4	3	7	2	4	3	3	2	1	4	1	4
	(b) Accidental injury by crushing	Male	4	....	....	1	....	....	....	....	....	1	....	....	2
		Female	1	....	....	....	....	....	....	....	1	....	....	....	....
188	Injury by animals	Male	6	....	....	....	....	1	1	....	1	1	1	1	....
		Female	2	....	....	....	....	....	1	....	....	....	1	....	....
189	Hunger or thirst	Male	1	1	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
190	Excessive cold	Male	6	....	1	....	....	....	....	....	....	....	....	2	3
		Female	3	1	1	....	....	....	....	....	....	....	....	1	....
191	Excessive heat	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
192	Lightning	Male	2	....	....	....	....	....	2	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
193	Accidents due to electric currents	Male	1	....	....	....	1	....	....	....	....	....	....	....	....
		Female	1	....	....	....	....	....	....	....	1	....	....	....	....
194	Attack by venomous animals (non-occupational)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
195	Other accidents **Sub-total**	Male	17	1	....	1	2	3	....	5	1	3	....	2	....
		Female	8	....	....	1	1	1	1	1	....	....	2	1	....
	(a) Sequelae of preventive immunization, inoculation or vaccination	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Other accidents due to medical or surgical intervention	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....

(c) Lack of care of the new-born	Male	1	....	....	1	....	....	....	1	....	....	....	....	....
	Female	1	....	....	1	....	....	....	....	....	....	....	....	....
(d) Obstruction, suffocation or puncture by ingested objects	Male	5	....	....	....	1	2	....	2	....	....	....	....	....
	Female	4	....	....	....	....	1	....	1	....	....	1	1	....
(e) Other and unspecified objects	Male	11	1	....	....	1	1	....	2	1	3	....	2	....
	Female	3	....	....	....	1	....	1	....	....	....	1	....	....
196-198 Operations of war and legal executions	**Male**	2	....	1	....	....	....	....	....	....	1	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
196 Deaths of persons in military service during operations of war	Male	2	....	1	....	....	....	....	....	....	1	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
197 Deaths of civilians due to operations of war	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
198 Legal executions	Male	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS XVIII.—ILL-DEFINED AND UNKNOWN CAUSES OF DEATH	**Total**	46	3	6	6	7	3	1	6	2	4	4	3	1
	Male	29	....	5	5	3	1	....	5	1	4	2	2	1
	Female	17	3	1	1	4	2	1	1	1	....	2	1	....
199 Sudden death	Male	4	....	1	....	....	....	....	1	....	2	....	....	....
	Female	4	1	....	....	1	....	....	1	....	....	....	1	....
200 Ill-defined and unknown causes	Male	25	..	4	5	3	1	....	4	1	2	2	2	1
	Female	13	2	1	1	3	2	1	....	1	....	2	....	....
(a) Ill-defined	Male	11	....	3	2	1	....	....	2	....	1	1	1	....
	Female	6	2	1	....	1	....	1	....	....	....	1	....	....
(b) Found dead	Male	2	....	....	....	1	....	....	....	....	....	....	1	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Unknown or unspecified causes	Male	12	....	1	3	1	1	....	2	1	1	1	....	1
	Female	7	....	....	1	2	2	....	....	1	....	1	....	....

CLASSIFICATION OF ACCIDENTAL DEATHS ACCORDING TO THE NATURE OF INJURY. THESE ACCIDENTAL DEATHS ARE CLASSIFIED ABOVE ACCORDING TO CIRCUMSTANCES INVOLVING THE ACCIDENT UNDER RUBRICS 169 TO 176, 178, 180, 181, 182, 183, 185, 186, 187 AND 193.

Accidental absorption of poisonous gas	Male	11	1	1	....	1	....	2	....	....	....	3	3	....
	Female	3	1	....	....	1	....	....	....	....	....	....	....	1
Accidental burns	Male	21	2	5	2	....	2	2	1	....	1	4	1	1
	Female	15	1	1	....	1	4	1	....	1	1	1	4	....
Accidental mechanical suffocation	Male	5	1	....	....	....	....	....	1	....	1	....	....	2
	Female	6	....	1	....	1	1	1	....	....	....	....	1	1
Accidental drowning	Male	39	2	1	2	....	4	3	14	7	5	1	....	....
	Female	8	....	....	1	2	....	2	....	1	1	....	1	....
Accidental injury by cutting or piercing instruments	Male	5	....	....	2	....	....	....	1	....	....	2	....	....
	Female	3	....	....	....	....	....	....	....	2	1	....	....	....
Accidental injury by fall	Male	60	3	1	5	8	6	4	3	6	4	6	6	8
	Female	39	4	3	7	2	4	3	3	2	1	5	1	4
Accidental injury by crushing	Male	137	10	7	9	4	19	11	14	10	17	14	5	17
	Female	19	1	....	1	1	1	3	3	3	1	3	....	2
Accidents due to electric currents	Male	1	....	....	....	1	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	1	....	....	....	....

TABLE 18.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, EDMONTON, 1945

CAUSES OF DEATH		Total	AGES																									
			Under 1 yr.	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
DEATHS—ALL CAUSES	Total	910	95	7	2	3	2	9	5	9	9	22	15	25	32	37	52	68	100	99	99	92	67	45	15	1	....	....
	Male	547	60	5	1	2	2	6	2	5	4	8	6	14	22	21	39	35	65	64	69	52	34	27	4	....	....	....
	Female	363	35	2	1	1	....	3	3	4	5	14	9	11	10	16	13	33	35	35	30	40	33	18	11	1	....	....
CLASS I.—INFECTIOUS AND PARASITIC DISEASES	Total	45	2	....	....	....	....	1	1	2	2	4	2	6	7	4	4	2	3	2	....	3	....	....	....	....	....	....
	Male	26	....	....	....	....	....	....	....	....	1	1	....	3	6	3	3	1	3	2	....	3	....	....	....	....	....	....
	Female	19	2	....	....	....	....	1	1	2	1	3	2	3	1	1	1	1	....	....	....	....	....	....	....	....	....	....
1 Typhoid fever	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2 Paratyphoid fever	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5 Undulant fever	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6 Cerebrospinal meningitis	Male	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8 Scarlet fever	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9 Whooping-cough	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
10 Diphtheria	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
11 Erysipelas	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13-22 Tuberculosis	**Total**	17	....	....	....	....	....	....	....	....	1	1	....	1	4	3	2	1	1	....	....	3	....	....	....	....	....	....
	Female	13	....	....	....	....	....	1	1	2	....	2	1	3	1	1	....	1	....	....	....	3	....	....	....	....	....	....
13 Tuberculosis of the respiratory system	**Sub-total** Male	17	....	....	....	....	....	....	....	....	1	1	....	1	4	3	2	1	1	....	....	3	....	....	....	....	....	....
	Female	11	....	....	....	....	....	....	....	2	....	1	2	3	1	1	....	1	....	....	....	....	....	....	....	....	....	....
(a) With mention of occupational diseases of lungs	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Without mention of occupational diseases of lungs	Male	15	....	....	....	....	....	....	....	....	1	1	....	1	4	3	....	1	1	....	....	3	....	....	....	....	....	....
	Female	11	....	....	....	....	....	....	....	2	....	2	1	3	1	1	....	1	....	....	....	....	....	....	....	....	....	....
(c) Unspecified site	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE 18.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, EDMONTON, 1945—Continued

CAUSES OF DEATH		Total	AGES																									
			Under 1 yr.	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 yeras	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
44 Other infectious and parasitic diseases	Male	2												1	1													
	Female	1									1																	
(a) Other venereal diseases	Male																											
	Female																											
(b) Lymphogranulomatosis (Hodgkin's disease)	Male	2												1	1													
	Female	1									1																	
(c) Mumps	Male																											
	Female																											
(d) Others under this title	Male																											
	Female																											
	Total	157						2	1	1	2	1	2	7	6	11	12	19	17	24	26	12	8	5	1			
CLASS II.—CANCER AND OTHER TUMOURS	**Male**	95						1			2	1		4	4	3	7	10	9	17	20	8	4	4	1			
	Female	62						1	1	1			2	3	2	8	5	9	8	7	6	4	4	1				
45-55 Cancer and other malignant tumours **Total**	**Male**	94						1			2	1		4	4	3	6	10	9	17	20	8	4	4	1			
	Female	60						1	1	1			2	3	2	8	5	9	8	7	6	4	2	1				
45 Cancer of the buccal cavity and pharynx	Male	3																1				1	1					
	Female	1																				1						
46 Cancer of the digestive organs and peritoneum	Male	42									1					1	4	2	4	10	10	5	2	2	1			
	Female	24													1	1	3	2	6	3	4	3	1					
(a) Cancer of the oesophagus	Male	1																			1							
	Female																											
(b) Of the stomach	Male	15														1	2		1	3	4	3		1				
	Female	7															1	1	3		1	1						
(c) Of the duodenum	Male																											
	Female																											
(d) Of the rectum and anus	Male	5															1			2			1	1				
	Female	5																1	2	1	1							
(e) Of the intestines	Male	14									1					1	1		2	3	2	2	1		1		
	Female	8													1	1	2			1		2	1					
(f) Of the liver and biliary passages	Male	3																			3							
	Female	3																		1	2							
(g) Of the pancreas	Male	3																	1	2								
	Female	1																	1									
(h) Of the mesentery and peritoneum	Male	1																1										
	Female																											
(m) Other and unspecified sites	Male																											
	Female																											

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TABLE 18.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, EDMONTON, 1945—Continued

CAUSES OF DEATH		Total	Ages																									
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not Stated
(c) Other female genital organs	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(d) Brain and other parts of the central nervous system	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
(e) Other and unspecified organs	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS III.—RHEUMATISM, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS, OTHER GENERAL AND VITAMIN DEFICIENCY DISEASES	**Total**	**31**	....	....	....	....	....	**1**	....	**1**	....	**1**	**2**	....	**1**	**1**	**2**	**1**	**3**	**7**	**2**	**6**	**2**	**1**	....	....	....	....
	Male	**13**	....	....	....	....	....	**1**	....	**1**	....	....	**1**	....	....	....	**2**	....	**1**	**1**	**2**	**4**	....	....	....	....	....	....
	Female	**18**	....	....	....	....	....	....	....	....	....	**1**	**1**	....	**1**	**1**	....	**1**	**2**	**6**	....	**2**	**2**	**1**	....	....	....	....
58 Acute rheumatic fever	**Total**	**1**	....	....	....	....	....	....	....	**1**	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Male	**1**	....	....	....	....	....	....	....	....	....	....	**1**	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	**1**	....	....	....	....	....	....	....	**1**	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Acute rheumatic heart conditions	Male	1	....	....	....	....	....	....	....	....	....	....	**1**	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
59 Chronic rheumatism and other chronic diseases	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
61 Diabetes mellitus	Male	10	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	1	1	2	4	....	....	....	....	....	....
	Female	15	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	1	2	6	....	2	2	....	....	....	....	....
63 Diseases of the thyroid and parathyroid glands	**Total**	**1**	....	....	....	....	....	....	....	....	....	....	....	....	....	....	**1**	....	....	....	....	....	....	....	....	....	....	....
	Male	**1**	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	**1**	....	....	....	....	....	....	....	....	....	....	....	....	**1**	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Simple goitre	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Exophthalmic goitre	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Myxoedema and cretinism	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(d) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
64 Diseases of the thymus gland	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
65 Diseases of the adrenal glands (Addison's disease)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE 18.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, EDMONTON, 1945—Continued

CAUSES OF DEATH		Total	AGES																									
			Under 1 yr.	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 yeras	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
(c) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
78 Lead poisoning	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Occupational	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Non-occupational	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	**Total**	**106**	**3**	**1**	....	....	....	**1**	....	**1**	....	**1**	**1**	**1**	**2**	**1**	**6**	**4**	**15**	**13**	**22**	**16**	**11**	**5**	**1**	**1**	....	....
	Male	**48**	**1**	....	....	....	....	....	....	**1**	....	**1**	....	....	**1**	....	**4**	**2**	**3**	**8**	**13**	**6**	**6**	**2**	....	....	....	....
	Female	**58**	**2**	**1**	....	....	....	**1**	....	....	....	....	**1**	**1**	**1**	**1**	**2**	**2**	**12**	**5**	**9**	**10**	**5**	**3**	**1**	**1**	....	....
80 Encephalitis (non-epidemic)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Intracranial abscess	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Others under this title	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
81 Meninigitis (non-meningococcal)	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	2	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Simple meningitis	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	2	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Acute cerebrospinal meningitis	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
82 Diseases of the medulla and spinal cord	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
83 Intracranial lesions of vascular origin **Total**	**Male**	**37**	**1**	....	....	....	....	....	....	....	....	....	....	....	....	....	**2**	**1**	**2**	**6**	**11**	**6**	**6**	**2**	....	....	....	....
	Female	**51**	....	....	....	....	....	....	....	....	....	....	....	**1**	**1**	**1**	**2**	**2**	**12**	**3**	**9**	**10**	**5**	**3**	**1**	**1**	....	....
(a) Cerebral haemorrhage or effusion	Male	17	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	2	4	2	3	4	1	....	....	....	....
	Female	29	....	....	....	....	....	....	....	....	....	....	....	1	1	....	1	2	5	2	4	7	3	3	....	....	....	....
(b) Cerebral embolism and thrombosis	Male	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
(c) Cerebral softening	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(d) Hemiplegia and other paralysis of unspecified origin	Male	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	4	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	2	....	1	....	....	....

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TABLE 18.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, EDMONTON, 1945—Continued

CAUSES OF DEATH		Total	AGES																									
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
(b) Other acute or subacute endocarditis	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Endocarditis (not specified under 45 years)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
92 Chronic affections of the valves and endocardium **Sub-total**	Male	11	....	....	....	....	....	....	....	....	....	....	....	....	....	3	2	....	4	....	....	1	....	1	....	....	....	....
	Female	12	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	3	2	2	2	1	....	....	....	....
(a) Specified valvular diseases (rheumatic)	Male	4	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	2	....	....	....	....	....	....	....	....	....
	Female	7	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	2	....	2	....	1	....	....	....	....
(b) Other specified valvular diseases (non-rheumatic)	Male	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	2	....	....	1	....	1	....	....	....	....
	Female	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	....	2	....	....	....	....	....
(c) Unspecified valvular lesions and endocarditis	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
93 Diseases of the myocardium **Sub-total**	Male	42	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	2	9	6	6	6	7	4	....	....	....	....
	Female	35	....	....	....	....	....	....	....	....	....	1	1	....	....	2	2	4	3	7	....	6	4	4	1	....	....	....
(a) Acute myocarditis	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Myocarditis (not specified under 45 years)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Chronic myocarditis and myocardial degeneration (rheumatic)	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Female	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....
(d) Chronic myocarditis (non-rheumatic)	Male	31	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	6	5	5	5	6	2	....	....	....	....
	Female	22	....	....	....	....	....	....	....	....	....	1	....	....	....	1	1	3	1	5	....	6	1	3	....	....	....	....
(e) Other myocarditis (not specified)	Male	10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	2	1	1	1	1	2	....	....	....	....
	Female	10	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	2	2	....	....	2	1	....	....	....	....
94 Diseases of the coronary arteries and angina pectoris	Male	94	....	....	....	....	....	....	....	....	....	....	1	1	4	7	8	10	16	16	12	9	5	5	....	....	....	....
	Female	29	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	5	4	4	5	2	4	1	2	....	....	....
(a) Diseases of the coronary arteries	Male	93	....	....	....	....	....	....	....	....	....	....	1	1	4	7	8	10	15	16	12	9	5	5	....	....	....	....
	Female	29	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	5	4	4	5	2	4	1	2	....	....	....
(b) Angina pectoris	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
95 Other diseases of the heart **Sub-total**	Male	8	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	1	2	1	1	1	....	....	....	....	....	....
	Female	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	....	....	1	2	....	....	....	....	....	....
(a) Functional diseases of the heart (no organic lesion)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....

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TABLE 18.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, EDMONTON, 1945—Continued

CAUSES OF DEATH		Total	Ages																										
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not Stated
(a) Haemorrhagic infarction and thrombosis of the lungs	Male																											
	Female																											
(b) Others under this title	Male	1																1										
	Female	2																				1		1				
112 Asthma	Male	3																2					1					
	Female	3														1		1		1								
113 Pulmonary emphysema	Male																											
	Female																											
114 Other diseases of the respiratory system (tuberculosis excepted)	Male																											
	Female																											
(a) Silicosis	Male																											
	Female																											
(b) Other and unspecified forms of pneumoconioses	Male																											
	Female																											
(c) Gangrene of lung	Male																											
	Female																											
(d) Others under this title	Male																											
	Female																											
	Total	45	10	3			1	2	1			2		1	3		2	2	2	7	3	4	1	1				
CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM	**Male**	30	7	3			1	3				1			2		1	2		5	2	2	1	1				
	Female	15	3						1			1		1	1		1		2	2	1	2						
115 Diseases of the buccal cavity and of the pharynx and tonsils	Male	2						1				1																
	Female	1																		1								
(a) Diseases of the teeth and gums	Male																											
	Female																											
(b) Septic sore throat	Male																											
	Female																											
(c) Diseases of the pharynx and tonsils	Male	2						1				1																
	Female																											
d) Others under this title	Male																											
	Female	1																		1								
116 Diseases of the oesophagus	Male																											
	Female																											
117 Ulcer of the stomach or duodenum	Male	3															1	1				1						
	Female	1													1													

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TABLE 18.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, EDMONTON, 1945—Continued

CAUSES OF DEATH		Total	AGES																									
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
CLASS X.—DISEASES OF THE URINARY AND GENITAL SYSTEMS	**Total**	37	....	....	....	....	....	....	....	1	....	1	2	3	....	2	1	4	5	....	4	6	5	2	1	....	....	....
	Male	22	....	....	....	....	....	....	....	....	....	1	1	3	....	1	1	2	2	....	4	4	2	1	....	....	....	....
	Female	15	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	2	3	....	....	2	3	1	1	....	....	....
130 Acute nephritis	Male	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
131 Chronic nephritis	Male	12	....	....	....	....	....	....	....	....	....	1	....	2	....	....	1	1	1	....	3	3	....	....	....	....	....	....
	Female	11	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	2	....	....	2	2	1	1	....	....	....
132 Nephritis unspecified (over 10 years of age)	Male	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....
133 Other diseases of the kidneys and ureters	Male	2	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
134 Calculi of the urinary passages	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
135 Diseases of the urinary bladder	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
136 Diseases of the urethra, urinary Abscess, etc.	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Stricture of the urethra	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
137 Diseases of the prostate	Male	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	1	2	1	....	....	....	....
138 Diseases of the male genital organs (non-venereal)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
139 Diseases of the female genital organs (non-venereal)	Female	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....
(a) Ovaries, Fallopian tubes and parametria	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Uterus	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
(c) Others under this title	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
CLASS XI.—DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE	**Total**	7	....	....	....	....	....	....	....	....	2	3	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
140 Abortion with mention of infection	Female	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE 18.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, EDMONTON, 1945—Continued

CAUSES OF DEATH		Total	AGES																											
			Under 1 yr.	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 yeras	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
149 Other accidents of childbirth	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Laceration, rupture or other trauma of pelvic organs and tissues	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Other conditions of childbirth	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
150 Other and unspecified conditions of childbirth and the puerperal state	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Infection of breast during lactation	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Psychosis of the puerperal state	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Others under this title	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE	**Total**	**2**	....	....	....	....	....	....	....	....	....	....	....	....	....	....	**1**	....	....	....	**1**	....	....	....	....	....	....	....	....	....
	Male	**1**	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	**1**	....	....	....	....	....	....	....	....	....
	Femade	**1**	....	....	....	....	....	....	....	....	....	....	....	....	....	....	**1**	....	....	....	....	....	....	....	....	....	....	....	....	....	....
151 Carbuncle and furuncle	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
152 Phlegmon and acute abscesses	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
153 Other diseases of the skin and the cellular tissue	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS XIII.—DISEASES OF THE BONES AND ORGANS OF MOVEMENT	**Total**	**3**	....	....	....	....	....	....	....	....	....	**1**	....	....	....	**1**	....	....	....	....	**1**	....	....	....	....	....	....	....	....	....
	Male	**2**	....	....	....	....	....	....	....	....	....	....	....	....	....	**1**	....	....	....	....	**1**	....	....	....	....	....	....	....	....	....
	Female	**1**	....	....	....	....	....	....	....	....	....	**1**	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
154 Osteomyelitis and periostitis	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
155 Other diseases of the bones (tuberculosis excepted)	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE 18.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, EDMONTON, 1945—Continued

CAUSES OF DEATH		Total	Ages																										
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not Stated
(a) With dementia	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....
(b) Without dementia	Male	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2	2	2	2	....	....	....
	Female	10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	2	2	....	....	....
	Total	64	7	....	1	2	1	2	1	2	3	5	3	3	3	2	6	4	6	5	2	2	2	2	....	....	....	....
CLASS XVII.—VIOLENT OR ACCIDENTAL DEATHS	Male	45	6	....	....	1	1	2	1	2	1	2	3	1	2	2	6	1	6	5	1	1	1	....	....	....	....	....	....
	Female	19	1	....	1	1	....	....	....	....	2	3	....	2	1	....	....	3	....	....	1	1	1	2	....	....	....	....	....
163, 164 Suicides	Total Male	5	....	....	....	....	....	....	....	....	....	....	1	....	1	....	1	....	1	1	....	....	....	....	....	....	....	....	....
	Female	4	....	....	....	....	....	....	....	....	1	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
163 Suicide by poisoning	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
(a) By corrosive substances, solid and liquid poisonings	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
(b) By poisonous gas	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
164 Suicide by other means	Male	5	....	....	....	....	....	....	....	....	....	....	1	....	1	....	1	....	1	1	....	....	....	....	....	....	....	....	....
	Female	3	....	....	....	....	....	....	....	....	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Suicide by hanging or strangulation	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) By drowning	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) By firearms or explosives	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Female	2	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(d) By cutting or piercing instruments	Male	2	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(e) By jumping from high places	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(f) By crushing	Male	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(g) By other or unspecified means	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
166-168 Homicides	Total Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
166 Homicide by firearms	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

169-195	Accidental deaths	Male	40	6	....	....	1	1	2	1	2	1	2	2	1	1	2	5	1	5	4	1	1	1	....	....	....	....	....	....	....	....	....
		Female	15	1	....	1	1	....	....	....	....	1	2	....	1	1	....	....	2	....	....	1	1	1	2	....	....	....	....	....	....	....	....
169	Railway accidents (excluding motor vehicles)	Male	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
170	Motor vehicle accidents	Male	9	....	....	....	....	....	1	....	....	1	2	....	....	1	1	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....
		Female	3	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
	(a) Collisions with trains	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Collisions with street-cars	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(c) Automobile accidents (excluding trains or street-cars)	Male	9	....	....	....	....	....	1	....	....	1	2	....	....	1	1	1	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....
		Female	3	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
	(d) Motorcycle accidents (excluding automobiles)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
171	Street-car and other road transport accidents	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(a) Street-car accidents (excluding trains and motor vehicles)	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
172	Water transport accidents	Male	2	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
173	Air transport accidents	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
174	Accidents in mines and quarries	Male	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
175	Agricultural and forestry accidents	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(a) Accidents involving agricultural machinery and vehicles	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Injury by animals, in agriculture	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(c) Other agricultural accidents	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
176	Other accidents involving machinery	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
177	Food poisoning	Male	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
178	Accidental absorption of poisonous gas	Male	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(a) Coal and illuminating gas	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(b) Motor vehicle exhaust gas	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(c) Other carbon-monoxide gas	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	(d) Other poisonous gases	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

TABLE 18.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, EDMONTON, 1945—Continued

CAUSES OF DEATH		Total	AGES																									
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
180 Conflagration	Male	1	1																									
	Female	3			1	1									1													
181 Accidental burns (conflagration excepted)	Male	1				1																						
	Female																											
182 Accidental mechanical suffocation	Male	2	2																									
	Female	1	1																									
183 Accidental drowning	Male	1																1										
	Female																											
184 Accidental injury by firearms	Male	4							1	1			1				1											
	Female																											
185 Accidental injury by cutting or piercing instruments	Male	1																		1								
	Female																											
186 Accidental in jury by fall or crushing	Male	5																	1	2	1	1						
	Female	6																2			1		1	2				
(a) Accidental injury by fall	Male	5																	1	2	1	1						
	Male	6																2			1		1	2				
(b) Accidental injury by crushing	Male																											
	Female																											
195 Other accidents	Male	3	3																									
	Female																											
(a) Sequelae of preventive immunization, inoculation or vaccination	Male																											
	Female																											
(b) Other accidents due to medical or surgical intervention	Male																											
	Female																											
(c) Lack of care of the new-born	Male																											
	Female																											
(d) Obstruction, suffocation or puncture by ingested objects	Male	3	3																									
	Female																											
(e) Other and unspecified objects	Male																											
	Female																											
196-198 Operations of war and legal executions	**Male**																											
	Female																											
196 Deaths of persons in military service during operations of war	Male																											
	Female																											

CLASS XVIII.—ILL-DEFINED AND UNKNOWN CAUSES OF DEATH	Total	1	1																												
	Male																														
	Female	1	1																												
199 Sudden death	Male																														
	Female																														
200 Ill-defined and unknown causes	Male																														
	Female	1	1																												
(a) Ill-defined	Male																														
	Female																														
(b) Found dead	Male																														
	Female																														
(c) Unknown or unspecified cause	Male																														
	Female	1	1																												

CLASSIFICATION OF ACCIDENTAL DEATHS ACCORDING TO THE NATURE OF INJURY. THESE ACCIDENTAL DEATHS ARE CLASSIFIED ABOVE ACCORDING TO CIRCUMSTANCES INVOLVING THE ACCIDENT UNDER RUBRICS 169 TO 176, 178, 180, 181, 182, 183, 185, 186, 187 AND 193.

Accidental absorption of poisonous gas	Male	2												1	1																
	Female	1										1																			
Accidental burns	Male	3	1			1					1																				
	Female	3			1	1									1																
Accidental mechanical suffocation	Male	2	2																												
	Female	1	1																												
Accidental drowning	Male	3								1		1							1												
	Female	1										1																			
Accidental injury by cutting or piercing instruments	Male	1																		1											
	Female																														
Accidental injury by fall	Male	7														1	1		1	2	1	1									
	Female	6																2			1		1	2							
Accidental injury by crushing	Male	14					1				2					1	4	1	3	1			1								
	Female	3								1			1									1									
Accidents due to electric currents	Male																														
	Female																														

TABLE 19.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, CALGARY, 1945

CAUSES OF DEATH		Total	Ages																								
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not Stated
DEATHS—ALL CAUSES	**Total**	921	90	8	2	2	3	4	6	15	16	15	14	13	23	36	50	75	96	118	112	100	70	39	10	4	....	....
	Male	535	50	6	....	1	1	1	3	11	7	8	8	9	16	21	31	54	55	72	71	48	41	19	2	....	....	....
	Female	386	40	2	2	1	2	3	3	4	9	7	6	4	7	15	19	21	41	46	41	52	29	20	8	4	....	....
CLASS I.—INFECTIOUS AND PARASITIC DISEASES	**Total**	39	....	1	....	....	....	....	....	1	3	....	3	3	7	2	5	5	6	2	....	1	....	....	....	....	....	....
	Male	28	....	....	....	....	....	....	....	....	1	....	2	2	6	2	5	5	3	1	....	1	....	....	....	....	....	....
	Female	11	....	1	....	....	....	....	....	1	2	....	1	1	1	....	....	....	3	1	....	....	....	....	....	....	....	....
1 Typhoid fever	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2 Paratyphoid fever	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6 Cerebrospinal meningitis	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
8 Scarlet fever	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9 Whooping-cough	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
10 Diphtheria	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
11 Erysipelas	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13-22 Tuberculosis	**Total**	11	....	....	....	....	....	....	....	....	1	....	1	1	1	1	3	2	1	....	....	....	....	....	....	....	....	....
	Male	5	....	....	....	....	....	....	....	1	2	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....
13 Tuberculosis of the respiratory system	Male	9	....	....	....	....	....	....	....	....	....	....	1	1	....	1	3	2	1	....	....	....	....	....	....	....	....	....
	Female	4	....	....	....	....	....	....	....	1	2	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
(a) With mention of occupational diseases of lungs	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Without mention of occupational diseases of lungs	Male	6	....	....	....	....	....	....	....	....	....	....	1	1	....	....	2	1	1	....	....	....	....	....	....	....	....	....
	Female	4	....	....	....	....	....	....	....	1	2	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
(c) Unspecified site	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(d) With mention of dementia praecox	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE 19.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, CALGARY, 1945—Continued

	CAUSES OF DEATH		Total	AGES																								
				Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
46	Cancer of the digestive organs and peritoneum	Male	35													3	2	4	6	5	2	7	3	2	1			
		Female	18															1	2	3	4	5		3				
	(a) Of the oesophagus	Male	3																	2		1						
		Female																										
	(b) Of the stomach	Male	14													1	1	3	1	2	1	1	2	2				
		Female	5															1				2		2				
	(c) Of the duodenum	Male	2													1			1									
		Female																										
	(d) Rectum and anus	Male	8															1	2	1	1	2			1			
		Female	2																		1	1						
	(e) Intestines	Male	3													1			1			1						
		Female	6																1	2	1	1		1				
	(f) Liver and biliary passages	Male	3																1			1	1					
		Female	3																	1	2							
	(g) Pancreas	Male	1														1											
		Female	2																1			1						
	(h) Mesentery and peritoneum	Male																										
		Female																										
	(m) Other and unspecified sites	Male	1																			1						
		Female																										
47	Cancer of the respiratory system	Male	7															1	1	1	1	2	1					
		Female																										
	(a) Of the larynx	Male	1																		1							
		Female																										
	(b) Of the lung	Male	4															1		1		2						
		Female																										
	(c) Of the Mediastinum and other sites	Male	2																1				1					
		Female																										
48	Cancer of the uterus	Female	7										1				2	1	3									
	(a) Cervix	Female	4										1					1	2									
	(b) Other and unspecified sites of the uterus	Female	3														2		1									
49	Cancer of other female organs	Female	3										1				1						1					
50	Cancer of the breast	Male																										
		Female	12													2	1	2	2	1	2	2						
51	Cancer of the male genital organs	Male	11																		2	4	2	2	1			

| | | |

TABLE 19.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, CALGARY, 1945—Continued

CAUSES OF DEATH		Total	Ages																								
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not Stated
59 Chronic rheumatism and other rheumatic diseases	Male	1																				1					
	Female	1																			1						
61 Diabetes mellitus	Male	17									1					1	1			4	3	4	2	1			
	Female	9																		2	3	2					
63 Diseases of the thyroid and parathyroid glands	**Total**	**Male**	1							1																	
		Female	3											1		1				1							
(a) Simple goitre	Male																										
	Female																										
(b) Exophthalmic goitre	Male	1								1																	
	Female	3												1		1				1							
(c) Myxoedema and cretinism	Male																										
	Female																										
(d) Others under this title	Male																										
	Female																										
66 Other general diseases	Male																										
	Female																										
(a) Osteomalacia	Male																										
	Female																										
(b) Others under this title	Male																										
	Female																										
CLASS IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	**Total**	9		2						1								1		2	1	1	1				
	Male	6		2						1								1			1		1				
	Female	3																		2		1					
72 Haemorrhagic conditions	Male																										
	Female																										
(a) Primary purpura	Male																										
	Female																										
(b) Haemophilia	Male																										
	Female																										
(c) Others under this title	Male																										
	Female																										
73 Anaemias	Male	2		1																			1				
	Female	2																		1		1					
(a) Pernicious anaemia	Male																										
	Female	2																		1		1					

(b) Others under this title	Male	2	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
74 Leukaemias and aleukaemias	Male	4	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
(a) Leukaemias	Male	3	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
(b) Aleukaemias (Hodgkin's disease excepted)	Male	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
75 Diseases of the spleen	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS V.—CHRONIC POISONING AND INTOXICATION	**Total**	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
77 Alcoholism	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Acute alcoholism	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Chronic alcoholism	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	**Total**	94	1	....	....	1	....	1	....	2	1	....	1	1	1	3	3	8	8	22	16	11	10	1	3	....	....	....	....	....
	Male	44	....	....	....	1	....	....	....	....	....	....	1	1	....	1	....	6	5	13	6	4	5	....	1	....	....	....	....	....
	Female	50	1	....	....	....	....	....	....	2	1	....	....	....	1	2	3	2	3	9	10	7	5	1	2	....	....	....	....	....
80 Encephalitis (non-epidemic)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Intracranial abscess	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Others under this title	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
81 Meningitis (non-meningococcal)	Male	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Simple meningitis	Male	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Acute cerebrospinal meningitis	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
82 Diseases of the medulla and spinal cord	Male	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
83 Intracranial lesions of vascular origin **Total**	**Male**	37	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6	4	12	5	4	5	....	1	....	....	....	....	....	....
	Female	44	....	....	....	....	....	....	....	1	1	....	....	....	1	2	2	1	3	8	10	7	5	1	2	....	....	....	....	....
(a) Cerebral haemorrhage or effusion	Male	15	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	6	2	1	2	....	1	....	....	....	....	....	....
	Female	14	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	1	1	3	3	2	1	1	....	....	....	....	....	....	....
(b) Cerebral embolism and thrombosis	Male	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
(c) Cerebral softening	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

TABLE 19.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, CALGARY, 1945—Continued

CAUSES OF DEATH		Total	Ages																										
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not Stated
(d) Hemiplegia and other paralysis of unspecified origin	Male	1																1										
	Female	4									1						1		1	1								
(e) With mention of arteriosclerosis	Male	20																4	2	6	3	2	3					
	Female	25													1	1	1		1	4	6	5	4		2			
84 Mental disorders and deficiency (general paralysis of the insane excepted)	Male																											
	Female																											
(a) Schizophrenia (dementia praecox)	Male																											
	Female																											
(b) Others under this title	Male																											
	Female																											
85 Epilepsy	Male	1														1												
	Female																											
86 Convulsions (under 5 years of age)	Male																											
	Female																											
87 Other diseases of the nervous system	Male	2											1								1							
	Female	1															1											
(a) Chorea	Male																											
	Female																											
(b) Neuritis	Male																											
	Female																											
(c) Paralysis agitans	Male	1																			1							
	Female																											
(d) Disseminated sclerosis	Male	1											1															
	Female																											
(e) Others under this title	Male																											
	Female	1																1										
88 Diseases of organs if vision	Male																											
	Female	1																		1								
89 Diseases of the ear and of the mastoid proctss	Male	1												1														
	Female	2	1					1																				
(a) Otitis and other diseases of the ear	Male	1												1														
	Female	2	1					1																				
(b) Diseases of the mastoid process	Male																											
	Female																											
CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM	**Total**	**312**									**1**	**1**	**3**	**3**	**5**	**10**	**13**	**32**	**48**	**45**	**42**	**52**	**29**	**22**	**3**	**3**		
	Male	**189**											**1**	**2**	**4**	**7**	**8**	**27**	**27**	**30**	**32**	**24**	**17**	**10**				
	Female	**123**									**1**	**1**	**2**	**1**	**1**	**3**	**5**	**5**	**21**	**15**	**10**	**28**	**12**	**12**	**3**	**3**		

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TABLE 19.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, CALGARY, 1945—Continued

CAUSES OF DEATH		Total	AGES																									
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
(b) Other diseases of the heart (rhemuatic)	Male	1												1													
	Female	2											1				1										
(c) Other diseases of the heart (non-rheumatic)	Male	6															4		1			1					
	Female																										
96 Aneurysm (heart and aorta excepted)	Male																										
	Female																										
97 Arteriosclerosis (coronary or renal sclerosis or cerebral haemorrhage excepted)	Male	15															1	2		4	4	2	2				
	Female	13																1		2	3	3	2	1	1		
99 Other diseases of the arteries	Male	3														1	1	1									
	Female	3									1						1				1						
100 Diseases of the veins	Male																										
	Female	1																	1								
101 Diseases of the lymphatic system	Male																										
	Female																										
102 High blood pressure (idopathic)	Male	1														1											
	Female	1															1										
CLASS VIII.—DISEASES OF THE RESPIRATORY SYSTEM	**Total**	**49**	**14**	**2**			**1**	**1**			**1**	**3**	**1**			**5**	**4**	**1**	**4**	**2**	**4**	**2**	**1**	**3**				
	Male	**31**	**10**	**2**								**2**	**1**			**3**	**2**	**1**	**3**	**1**	**2**	**2**	**1**	**1**				
	Female	**18**	**4**				**1**	**1**			**1**	**1**				**2**	**2**		**1**	**1**	**2**			**2**				
105 Diseases of the larynx	Male	1															1										
	Female																										
106 Bronchitis	Male	1										1															
	Female	1																			1						
(a) Acute	Male																										
	Female																										
(b) Chronic	Male	1										1															
	Female	1																			1						
(c) Unspecified	Male																										
	Female																										
107 Broncho pneumonia	Male	13	7	2												1			2	1							
	Female	8	4								1						2			1							
108 Lobar pneumonia	Male	11	1									1	1				1	1	1		2	1	1	1			
	Female	6					1	1								1			1		1			1			
109 Pneumonia (unspecified)	Male	2	2																								
	Female																										
110 Pleurisy	Male	2														2											
	Female																										

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TABLE 19.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, CALGARY, 1945—Continued

CAUSES OF DEATH		Total	AGES																									
			Under 1 yr.	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
(a) Diarrhoea and enteritis	Male	4	4																									
	Female	3	3																									
(b) Ulceration of the intestines	Male																											
	Female																											
120 Diarrhoea and enteritis (2 years of age and over)	Male																											
	Female																											
(a) Diarrhoea and enteritis	Male																											
	Female																											
(b) Ulceration of the intestines	Male																											
	Female																											
121 Appendicitis	Male	2									1					1												
	Female	1							1																			
122 Hernia, intestinal obstruction	Male	12						1	1								1	2		5	1		1					
	Female	4																	1			2	1					
(a) Hernia	Male	9						1	1								1	1		4	1							
	Female																											
(b) Intestinal obstruction	Male	3																1		1			1					
	Female	4																	1			2	1					
123 Other diseases of the intestines	Male																											
	Female	1																1										
124 Cirrhosis of the liver	Male	2															2											
	Female	1																				1						
(a) With mention of alcoholism	Male																											
	Female																											
(b) Without mention of alcoholism	Male	2															2											
	Female	1																				1						
125 Other diseases of the liver	Male																											
	Female	1																		1								
(a) Acute yellow atrophy	Male																											
	Female	1																		1								
(b) Others under this title	Male																											
	Female																											
126 Biliary calculi	Male	4																	1	2	1							
	Female	4															1		1	1		1						
127 Other diseases of the gall-bladder and bile ducts	Male																											
	Female	2													1	1												
129 Peritonitis without stated cause	Male																											
	Female																											

CLASS X.—DISEASES OF THE URINARY AND GENITAL SYSTEMS	**Total**	**62**							**1**	**1**	**2**	**2**				**2**	**3**	**3**	**12**	**9**	**9**	**6**	**7**	**5**									
	Male	**34**							**1**	**1**		**1**				**1**	**2**	**2**	**5**	**3**	**7**	**4**	**4**	**3**									
	Female	**28**									**2**	**1**				**1**	**1**	**1**	**7**	**6**	**2**	**2**	**3**	**2**									
130 Acute nephritis	Male	1								1																							
	Female																																
131 Chronic nephritis	Male	20										1				1	2	2	4	2	2	1	3	2									
	Female	25									2	1				1	1	1	6	4	2	2	3	2									
132 Nephritis unspecified (over 10 years of age)	Male	1							1																								
	Female	1																		1													
133 Other diseases of the kidneys and ureters	Male																																
	Female	1																	1														
134 Calculi of the urinary passages	Male																																
	Female																																
135 Diseases of the urinary bladder	Male	1																				1											
	Female																																
136 Diseases of the urethra, urinary abscess, etc.	Male																																
	Female																																
(a) Stricture of the urethra	Male																																
	Female																																
(b) Others under this title	Male																																
	Female																																
137 Diseases of the prostate	Male	11																	1	1	5	2	1	1									
139 Diseases of the female genital organs (non-venereal)	Female	1																		1													
(a) Ovaries, Fallopian tubes and parametria	Female																																
(b) Uterus	Female	1																		1													
(c) Others under this title	Female																																
CLASS XI.—DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE	**Total**	**2**										**1**	**1**																				
140 Abortion with mention of infection	Female	1											1																				
(a) Spontaneous, therapeutic or unspecified	Female	1											1																				
(b) Self-induced	Female																																
149 Laceration, rupture or other trauma of pelvic organs	Female	1										1																					
CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE	**Total**	**1**										**1**																					
	Male	**1**										**1**																					
	Female																																
152 Phlegmon and acute abscesses	Male																																
	Female																																

TABLE 19.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, CALGARY, 1945—Continued

CAUSES OF DEATH		Total	AGES																								
			Under 1 yr.	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
153 Other diseases of the skin and cellular tissue	Male	1										1															
	Female																										
CLASS XIII.—DISEASES OF THE BONES AND ORGANS OF MOVEMENT	**Total**	**1**															**1**										
	Male	**1**															**1**										
	Female																										
155 Other diseases of the bones (tuberculosis excepted)	Male	1															1										
	Female																										
XIV.—CONGENITAL MALFORMATIONS	**Total**	**19**	**17**	**1**	**1**																						
	Male	**9**	**8**	**1**																							
	Female	**10**	**9**		**1**																						
157 Congenital malformations	Male	9	8	1																							
	Female	10	9		1																						
(a) Congenital hydrocephalus	Male	2	2																								
	Female	1			1																						
(b) Spina bifida and meningocele	Male	1	1																								
	Female																										
(c) Anencephalus	Male																										
	Female	1	1																								
(d) Congenital malformations of the heart	Male	4	3	1																							
	Female	3	3																								
(e) Others under this title	Male	2	2																								
	Female	5	5																								
CLASS XV.—DISEASES PECULIAR TO THE FIRST YEAR OF LIFE	**Total**	**50**	**50**																								
	Male	**27**	**27**																								
	Female	**23**	**23**																								
158 Congenital debility	Male																										
	Female	1	1																								
159 Premature birth	Male	16	16																								
	Female	16	16																								
160 Injury at birth	Male	8	8																								
	Female	4	4																								
(a) Intracranial or spinal haemorrhage	Male	5	5																								
	Female	4	4																								

(b) Other intracranial or spinal injuries	Male																													
	Female																													
(c) Others under this title	Male	3	3																											
	Female																													
161 Other diseases peculiar to the first year of life	Male	3	3																											
	Female	2	2																											
(a) Asphyxia (unspecified), atelectasis	Male	2	2																											
	Female	2	2																											
(b) Infection of the umbilicus, pemphigus and other infections	Male																													
	Female																													
(c) Other specified diseases peculiar to the first year of life	Male	1	1																											
	Female																													
CLASS XVI.—SENILITY	**Total**	**16**																					**2**	**2**	**6**	**3**	**2**	**1**		
	Male	**4**																						**1**	**2**	**1**				
	Female	**12**																					**2**	**1**	**4**	**2**	**2**	**1**		
162 Senility	Male	4																						**1**	**2**	**1**				
	Female	12																					2	1	4	2	2	1		
(a) With dementia	Male																													
	Female	1																						1						
(b) Without dementia	Male	4																						1	2	1				
	Female	11																					2		4	2	2	1		
CLASS XVII.—VIOLENT OR ACCIDENTAL DEATHS	**Total**	**66**	**1**	**1**	**1**		**1**		**2**	**9**	**7**	**5**	**3**	**4**	**4**	**5**	**3**	**2**	**2**	**3**	**4**	**3**	**4**	**1**	**1**					
	Male	**43**	**1**	**1**			**1**		**1**	**8**	**5**	**3**	**2**	**3**	**3**	**4**	**1**	**1**	**2**	**2**	**2**		**3**							
	Female	**23**			**1**				**1**	**1**	**2**	**2**	**1**	**1**	**1**	**1**	**2**	**1**		**1**	**2**	**3**	**1**	**1**	**1**					
163, 164 Suicides **Total**	**Male**	**7**								**1**				**2**	**2**	**1**			**1**											
	Female	**3**											**1**	**1**				**1**												
163 Suicide by poisoning	Male	2												1		1														
	Female	1												1																
(a) By corrosive substances, solid and liquid poisonings	Male	1														1														
	Female	1												1																
(b) Suicide by poisonous gas	Male	1												1																
	Female																													
164 Suicide by other means	Male	5								1				1	2				1											
	Female	2											1					1												
(a) By hanging or strangulation	Male	2													1				1											
	Female																													
(b) By drowning	Male	1												1																
	Female	1																1												
(c) By firearms or explosives	Male	1													1															
	Female	1											1																	
(d) By cutting or piercing instruments	Male																													
	Female																													
(e) By jumping from high places	Male	1								1																				
	Female																													

TABLE 19.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, CALGARY, 1945—Continued

	CAUSES OF DEATH		Total	AGES																										
				Under 1 yr.	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 yeras	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
	(f) By crushing	Male																												
		Female																												
	(g) By other or unspecified means	Male																												
		Female																												
166-168	Homicides	Total Male	2														1			1										
		Female	2								1					1														
166	Homicide by firearms	Male																												
		Female	2								1					1														
167	Homicide by cutting or piercing instruments	Male																												
		Female																												
168	Homicide by other or unspecified means	Male	2														1			1										
		Female																												
169-195	Accidental deaths	Male	33	1	1			1		1	7	4	3	2	1	1	2	1	1	1	1	2		3						
		Female	18			1				1		2	2				1	2			1	2	3	1	1	1			
169	Railway accidents (excluding motor vehicles)	Male																												
		Female																												
170	Motor vehicle accidents	Male	8								3	1	1							1	1	1								
		Female	7							1		2	2					2												
	(a) Collisions with trains	Male	1									1																		
		Female																												
	(b) Collisions with street-cars	Male																												
		Female																												
	(c) Automobile accidents (excluding trains or street-cars)	Male	6								3									1	1	1								
		Female	7							1		2	2					2												
	(d) Motorcycle accidents (excluding automobiles)	Male	1										1																	
		Female																												
171	Street-car and other road transport accidents	Male																												
		Female																												
	(a) Street-car accidents (excluding trains and motor vehicles)	Male																												
		Female																												
	(b) Others under this title	Male																												
		Female																												
172	Water transport accidents	Male	2								1				1															
		Female																												

| | | |

TABLE 19.—CAUSES OF DEATH BY SEX, AGE AND RESIDENCE, CALGARY, 1945—Continued

CAUSES OF DEATH		Total	AGES																										
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
195 Other accidents	Male	1									1																	
	Female																											
(a) Sequelae of preventive immunization, inoculation or vaccination	Male	2	1																									
	Female	1																					1					
(b) Other accidents due to medical or surgical intervention	Male																				1							
	Female																											
(c) Lack of care of the new-born	Male																											
	Female																											
(d) Obstruction, suffocation or puncture by ingested objects	Male																											
	Female																											
(e) Other and unspecified objects	Male	1	1																									
	Female																											
196-198 Operations of war and legal executions	Male	1																										
	Female	1																					1					
196 Deaths of persons in military service during operations of war	Male	1									1										1							
	Female																											
	Male	1									1																	
CLASS XVIII.—ILL-DEFINED AND UNKNOWN CAUSES OF DEATH	Female																											
	Total																											
	Male																											
	Female																											
200 (a) Ill-defined	Male																											
	Female																											
(b) Found dead	Male																											
	Female																											
(c) Unknown or unspecified cause	Male																											
	Female																											

CLASSIFICATION OF ACCIDENTAL DEATHS ACCORDING TO THE NATURE OF INJURY. THESE ACCIDENTAL DEATHS ARE CLASSIFIED ABOVE ACCORDING TO CIRCUMSTANCES INVOLVING THE ACCIDENT UNDER RUBRICS 169 TO 176, 178, 180, 181, 182, 183, 185, 186, 187 AND 193.

Accidental absorption of poisonous gas	Male																														
	Female																														
Accidental burns	Male	1		1																											
	Female																														
Accidental mechanical suffocation	Male																														
	Female																														
Accidental drowning	Male	6				1			1	2		1	1																		
	Female	1			1																										
Accidental injury by cutting or piercing instruments	Male	1							1																						
	Female																														
Accidental injury by fall	Male	7						1	1		1				1							1		2						
	Female	9													1				1	1	3	1	1	1						
Accidental injury by crushing	Male	13							3	1	2	1		1	1	1		1	1	1											
	Female	7						1		2	2					2															
Accidents due to electric currents	Male	1								1																					
	Female																														

TABLE 20.—CLASSIFICATION OF ACCIDENTAL DEATHS ACCORDING TO THE NATURE OF INJURY. THESE ACCIDENTAL DEATHS ARE CLASSIFIED ACCORDING TO CIRCUMSTANCES INVOLVING THE ACCIDENT UNDER RUBRICS 169 TO 176, 178, 180, 181, 182, 183, 185, 186, 187 AND 193.

Int. list No.	CAUSES OF DEATH	Male	Female
	Accidental absorption of poisonous gas	11	3
170(c)	Automobile accidents (excluding trains or street-cars)	1	....
180	Conflagration	5	2
178	Accidental absorption of poisonous gas	5	1
	Accidental burns	21	15
170(c)	Automobile accidents (excluding trains or street-cars)	1	....
173	Air transport accidents	1	....
180	Conflagration	9	8
181	Accidental burns (conflagration excepted)	10	7
	Accidental Mechanical suffocation	5	6
182	Accidental mechanical suffocation	5	6
	Accidental drowning	39	8
172	Water transport accidents	1	1
173	Air transport accidents	2	....
183	Accidental drowning	30	7
	Accidental injury by cutting or piercing instruments	5	3
171(b)	Other road transport accidents (excluding street-cars, trains and motor vehicles)	....	1
175(a)	Accidents involving agricultural machinery and vehicles	1	....
175(c)	Other agricultural accidents	1	....
176	Other accidents involving machinery	1	....
185	Accidental injury by cutting or piercing instruments	2	2
	Accidental injury by fall	60	39
169	Railway accidents (excluding motor vehicles)	1	....
170(c)	Automobile accidents (excluding trains or street-cars)	1	....
170(d)	Motorcycle accidents (excluding automobiles)	1	....
171(b)	Other road transport accidents (excluding street-cars, trains, and motor vehicles)	2	1
174	Accidents in mines and quarries	1	....
175(a)	Accidents involving agricultural machinery and vehicles	2	....
175(b)	Injury by animals in agriculture	1	....
175(c)	Other agricultural accidents	1	....
186(a)	Accidental injury by fall	50	38
	Accidental injury by crushing	137	19
169	Railway accidents (excluding motor vehicles)	7	7
170(a)	Collisions with trains	7	7
170(c)	Automobile accidents (excluding trains or street-cars)	40	16
170(d)	Motorcycle accidents (excluding automobiles)	1	....
171(a)	Street-car accidents (excluding trains and motor vehicles	1	....
171(b)	Other transport accidents (excluding street-cars, trains and motor vehicles)	7	1
173	Air transport accidents	14	1
174	Accidents in mines and quarries	20	....
175(a)	Accidents involving agricultural machinery and vehicles	10	....
175(b)	Injury by animals in agriculture	9	....
175(c)	Other agricultural accidents	1	....
175(d)	Accidents involving forestry machinery and vehicles	1	....
175(e)	Other forestry accidents	6	....
176	Other accidents involving machinery	9	1
186(b)	Accidental injury by crushing	4	1
	Accidents due to electric currents	1	1
193	Accidents due to electric currents	1	1

TABLE 21.—TOTAL DEATHS (EXCLUSIVE OF STILLBIRTHS) AND DEATHS IN INSTITUTIONS IN CITIES OF 5,000 POPULATION AND OVER, BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE IN ALBERTA, 1945

Cities	All Deaths						Deaths in Institutions					
	Place of occurrence	Residence elsewhere		Deaths of residents occurring elsewhere		Place of residence	Place of occurrence	Residence elsewhere		Deaths of residents occurring elsewhere		Place of residence
		In Canada	In United States	In Canada	In United States			In Canada	In United States	In Canada	In United States	
Cities:												
Calgary	1095	253	4	79	4	921	726	220	2	49	2	555
Edmonton	1388	543	2	65	2	910	1036	493	1	46	1	589
Lethbridge	235	90	....	14	....	159	179	85	....	11	....	105
Medicine Hat	208	60	....	20	....	168	153	54	....	15	....	114

TABLE 22.—TOTAL DEATHS (EXCLUSIVE OF STILLBIRTHS) AND DEATHS IN INSTITUTIONS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE IN ALBERTA, 1945

Province	All Deaths						Deaths in Institutions					
	Place of occurrence	Residence elsewhere		Deaths of residents occurring elsewhere		Place of residence	Place of occurrence	Residence elsewhere		Deaths of residents occurring elsewhere		Place of residence
		In Canada	In United States	In Canada	In United States			In Canada	In United States	In Canada	In United States	
Total for the Province	6468	138	13	122	15	6454	3719	79	6	77	7	3718

TABLE 23.—DEATHS FROM CERTAIN SPECIFIED CAUSES BY PROVINCE OF RESIDENCE, 1945

Int. list No.	Causes of Death	Canada	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
1-2	Typhoid fever	101	....	....	5	69	9	8	5	2	3
6	Cerebrospinal meningitis	57	....	7	6	22	10	....	7	3	2
8	Scarlet fever	79	....	2	6	54	9	4	1	1	2
9	Whooping-cough	468	....	27	39	304	17	20	10	43	8
10	Diphtheria	270	7	17	15	151	32	26	11	9	2
11	Erysipelas	26	....	3	....	9	6	1	3	2	2
13	Tuberculosis of the respiratory system	4,580	37	279	213	2,100	893	244	178	200	436
14-22	Tuberculosis, other organs	983	5	58	53	457	140	70	49	63	88
24	Purulent infection and septicaemia	39	....	2	....	15	15	2	1	3	1
30	Syphilis	740	6	43	20	244	218	55	32	37	85
33	Influenza	1,089	18	53	33	492	262	54	71	58	48
34	Smallpox	....	....	....	....	....	....	....	....	....	....
35	Measles	96	....	1	4	37	13	8	6	6	21
36	Acute poliomyelitis and polioencephalitis	24	....	1	1	5	11	2	3	....	1
45-55	Cancer and other malignant tumours	14,411	110	765	495	3,847	5,275	871	812	830	1,406
56-57	Tumours, non-malignant and not specified	433	2	25	19	97	106	28	37	28	31
61	Diabetes mellitus	2,403	10	101	74	678	944	119	155	143	179
63	Diseases of the thyroid and parathyroid	386	2	13	4	79	173	31	25	19	40
73	Anaemias	355	4	16	24	80	146	26	20	24	15
74	Leukaemias and aleukaemias	414	2	21	10	67	183	36	30	33	32
77	Alcoholism	75	1	5	6	9	33	9	4	3	5
81	Meningitis (non-meningococcal)	308	5	12	16	170	50	15	15	14	11
83	Intracranial lesions of vascular origin	9,401	91	534	420	1,807	4,219	561	498	513	758
84	Mental disorders and deficiency (general paralysis of the insane excepted)	155	....	17	11	30	60	8	6	8	15
85	Epilepsy	265	....	9	18	101	82	11	21	15	8
89	Diseases of the ear and of the mastoid process	252	....	11	7	168	31	10	5	10	10
90-95	Diseases of the heart	29,643	228	1,250	948	6,471	2,613	1,806	1,667	1,643	3,017
96, 97, 99, 102	Diseases of the arteries	2,212	24	131	99	526	836	211	98	138	149
106	Bronchitis	393	1	23	20	100	133	32	34	20	30
107-109	Pnuemonia	5,543	39	333	324	1,747	1,632	335	378	367	388
110	Pleurisy	139	....	2	5	59	41	7	7	4	14
111	Haemorrhagic infarction, congestion, oedema and thrombosis of the lungs	411	....	29	8	177	127	19	22	16	13
112	Asthma	213	3	6	1	59	58	22	21	23	10
115	Diseases of the buccal cavity and annexa and of the pharynx and tonsils	240	....	9	16	79	71	11	12	17	25
116-118	Diseases of the stomach	1,025	5	38	25	356	311	52	77	62	99
119-120	Diarrhoea and enteritis	2,020	22	94	97	1,125	304	70	127	87	94
121	Appendicitis	673	8	17	22	244	201	37	62	42	40
122	Hernia, intestinal obstruction	873	3	38	28	228	327	49	61	60	79
124	Cirrhosis of the liver	554	4	22	9	221	160	28	28	37	45
125-127	Other diseases of the liver	687	3	31	24	207	198	49	57	61	57
130-132	Nephritis	6,917	54	302	263	3,291	1,820	203	339	255	390
137	Diseases of the prostate	845	4	55	34	196	305	59	79	45	68
140-150	Puerperal causes	656	6	24	26	253	171	31	47	48	50

157	Congenital malformations	2,112	16	76	90	765	689	106	115	123	132
158-161	Diseases peculiar to the first year of life	6,362	36	310	352	2,620	1,614	325	339	390	376
162	Senility	1,621	40	183	228	316	358	80	101	129	186
163-198	Violent deaths	7,764	55	330	308	1,789	2,975	445	433	548	881
163, 164	Suicides	762	3	21	26	106	306	47	62	76	115
166-168	Homicides	152	1	5	7	31	64	9	5	12	18
169	Railway accidents (excluding motor vehicles)	239	2	12	7	53	102	11	17	8	27
170	Motor vehicle accidents	1,532	9	67	85	431	615	67	63	69	126
171	Street-car and other road transport accidents	168	...	6	6	63	51	8	6	13	15
172	Water transport accidents	204	2	22	8	31	74	20	6	8	33
173	Air transport accidents	134	4	7	4	25	33	14	8	17	22
174	Accidents in mines and quarries	119	...	20	2	21	34	4	2	24	12
175	Agricultural and forestry accidents	334	1	6	14	72	95	14	37	33	62
176	Other accidents involving machinery	93	...	3	2	28	26	9	10	11	10
180	Conflagration	258	1	10	6	59	69	36	20	24	33
187	Cataclysm	3	...	...	...	2	1	...	...	...	...
	Other violent deaths	3,766	32	151	141	867	1,505	212	197	253	408
	Other specified causes	4,002	20	224	166	1,165	1,306	293	280	227	341
	Total specified causes	112,335	871	5,549	4,602	33,086	39,247	6,489	6,389	6,409	9,693
199, 200	Unspecified or ill-defined causes	853	17	77	221	246	108	59	25	45	55
	All causes	113,188	888	5,626	4,823	33,332	39,355	6,548	6,414	6,454	9,748

TABLE 24.—DEATH RATES PER 100,000 POPULATION FROM CERTAIN SPECIFIED CAUSES, BY PROVINCES, 1945

Int. list No.	Causes of Death	Canada	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
1-2	Typhoid fever	0.8	...	...	1.1	1.9	0.2	1.1	0.6	0.2	0.3
6	Cerebrospinal meningitis	0.5	...	1.1	1.3	0.6	0.2	...	0.8	0.4	0.2
8	Scarlet fever	0.7	...	0.3	1.3	1.5	0.2	0.5	0.1	0.1	0.2
9	Whooping cough	3.8	...	4.3	8.3	8.5	0.4	2.7	1.2	5.2	0.8
10	Diphtheria	2.2	7.6	2.7	3.2	4.2	0.8	3.5	1.3	1.1	0.2
11	Erysipelas	0.2	...	0.5	...	0.3	0.1	0.1	0.4	0.2	0.2
13	Tuberculosis of the respiratory system	37.8	40.2	44.9	45.5	59.0	22.3	33.2	21.1	25.7	45.9
14-22	Tuberculosis, other organs	8.1	5.4	9.3	11.3	12.8	3.5	9.5	5.8	7.6	9.3
24	Purulent infection and septicaemia	0.3	...	0.3	...	0.4	0.4	0.3	0.1	0.4	0.1
30	Syphilis	6.1	6.5	6.9	4.3	6.9	5.4	7.5	3.8	4.5	9.0
33	Influenza	9.0	19.6	8.5	7.1	13.8	6.5	7.3	8.4	7.0	5.1
34	Smallpox	...	...	...	...	...	...	...	...	...	...
35	Measles	0.8	...	0.2	0.9	1.0	0.3	1.1	0.7	0.7	2.2
36	Acute poliomyelitis and polioencephalitis	0.2	...	0.2	0.2	0.1	0.3	0.3	0.4	...	0.1
45-55	Cancer and other malignant tumours	119.1	119.6	123.2	105.8	108.0	131.7	118.3	96.1	100.5	148.2
56-57	Tumours, non-malignant and not specified	3.6	2.2	4.0	4.1	2.7	4.1	3.8	4.4	3.3	3.3
61	Diabetes mellitus	19.9	10.9	16.3	15.8	19.0	23.6	16.2	18.3	17.3	18.9
63	Diseases of the thyroid and parathyroid glands	3.2	2.2	2.1	0.9	2.2	4.3	4.2	3.0	2.3	4.2
73	Anaemias	2.9	4.3	2.6	5.1	2.2	3.6	3.5	2.4	2.9	1.6
74	Leukaemias and aleugaemias	3.4	2.2	3.4	2.1	1.9	4.6	4.9	3.6	4.0	3.4
77	Alcoholism	0.6	1.1	0.8	1.3	0.3	0.8	1.2	0.5	0.4	0.5
81	Meningitis (non-meningococcal)	2.5	5.4	1.9	3.4	4.8	1.2	2.0	1.8	1.7	1.2
83	Intracranial lesions of vascular origin	77.7	98.9	86.0	89.7	50.7	105.4	76.2	58.9	62.1	79.9

TABLE 24.—DEATH RATES PER 100,000 POPULATION FROM CERTAIN SPECIFIED CAUSES, BY PROVINCES, 1945—Continued

Int. list No.	Causes of Death	Canada	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
84	Mental disorders and deficiency (general paralysis of the insane excepted)	1.3	....	2.7	2.4	0.8	1.5	1.1	0.7	1.0	1.6
85	Epilepsy	2.2	....	1.4	3.8	2.8	2.0	1.5	2.5	1.8	0.8
89	Diseases of the ear and of the mastoid process	2.1	....	1.8	1.5	4.7	0.8	1.4	0.6	1.2	1.1
90-95	Diseases of the heart	245.0	247.8	201.3	202.6	181.7	315.0	245.4	197.3	199.0	317.9
96, 97, 99, 102	Diseases of the arteries	18.2	26.1	21.1	21.2	14.8	20.9	28.7	11.6	16.7	15.7
106	Bronchitis	3.2	1.1	3.7	4.3	2.8	3.3	4.3	4.0	2.4	3.2
107-109	Pneumonia	45.8	42.4	53.6	69.2	49.1	40.8	45.5	44.7	44.4	40.9
110	Pleurisy	1.1	....	0.3	1.1	1.7	1.0	1.0	0.8	0.5	1.5
111	Haemorrhagic infarction, congestion, oedema and thrombosis of the lungs	3.4	....	4.7	1.7	5.0	3.2	2.6	2.6	1.9	1.4
112	Asthma	1.8	3.3	1.0	2.4	1.7	1.4	3.0	2.5	2.8	1.1
115	Diseases of the buccal cavity and annexa, and of the pharynx and tonsils	2.0	....	1.4	3.4	2.2	1.8	1.5	1.4	2.1	2.6
116-118	Diseases of the stomach	8.5	5.4	6.1	5.3	10.0	7.8	7.1	9.1	7.5	10.4
119-120	Diarrhoea and enteritis	16.7	23.9	15.1	20.7	31.6	7.6	9.5	15.0	10.5	9.9
121	Appendicitis	5.6	8.7	2.7	4.7	6.9	5.0	5.0	7.3	5.2	4.2
122	Hernia, intestinal obstruction	7.2	3.3	6.1	6.0	6.4	8.2	6.7	7.2	7.2	8.3
124	Cirrhosis of the liver	4.6	4.3	3.5	1.9	6.2	4.0	3.8	3.3	4.5	4.7
125-127	Other diseases of the liver	5.7	3.3	5.0	5.1	5.8	4.9	6.7	6.7	7.1	6.0
130-132	Nephritis	57.2	58.7	48.6	56.2	92.4	45.5	27.6	40.1	30.9	41.1
137	Diseases of the prostate	7.0	4.3	8.9	7.3	5.5	7.6	8.0	9.3	5.4	7.2
140-150	Puerperal causes	5.4	6.5	3.9	5.6	7.1	4.3	4.2	5.6	5.8	5.3
157	Congenital malformations	17.5	17.4	12.2	19.2	21.5	17.2	14.4	13.6	14.9	13.9
158-161	Diseases peculiar to the first year of life	52.5	39.1	49.9	75.2	73.6	40.3	44.2	40.1	47.2	39.6
162	Senility	13.4	43.5	29.5	48.7	8.9	8.9	10.9	12.0	15.5	19.6
163-198	Violent deaths	64.1	59.8	53.1	54.8	50.2	74.3	60.5	51.2	66.4	92.8
163-164	Suicides	6.3	3.3	3.4	5.6	3.0	7.6	6.4	7.3	9.2	12.1
166-168	Homicides	1.3	1.1	0.8	1.5	0.9	1.6	1.2	0.6	1.5	1.9
169	Railway accidents (excluding motor vehicles)	2.0	2.2	1.9	1.5	1.5	2.5	1.5	2.0	1.0	2.8
170	Motor vehicle accidents	12.7	9.8	10.8	18.2	12.1	15.4	9.1	7.5	8.4	13.3
171	Street-car and other road transport accidents	1.4	....	1.0	1.3	1.8	1.3	1.1	0.7	1.6	1.6
172	Water transport accidents	1.7	2.2	3.5	1.7	0.9	1.8	2.7	0.7	1.0	3.5
173	Air transport accidents	1.1	4.3	1.1	0.9	0.7	0.8	1.9	0.9	2.0	2.3
174	Accidents in mines and quarries	1.0	....	3.2	0.4	0.6	0.8	0.5	0.2	2.9	1.3
175	Agricultural and forestry accidents	2.8	1.1	1.0	3.0	2.0	2.4	1.9	4.4	4.0	6.5
176	Other accidents involving machinery	0.8	....	0.5	0.4	0.8	0.6	0.4	1.2	1.3	1.1
180	Conflagration	2.1	1.1	1.6	1.3	1.7	1.7	4.9	2.4	2.9	3.5
187	Cataclysm	(3)	....	....	....	0.1	(3)	....	....	....	....
	Other violent deaths	31.1	34.8	24.3	30.1	24.3	37.6	28.8	23.3	30.6	43.0
	Other specified causes	33.1	21.7	36.1	35.5	32.7	32.6	39.8	33.1	27.4	35.9
	Total specified causes	927.9	946.7	893.6	983.3	929.1	980.2	881.7	756.1	775.9	1,021.4
199-200	Unspecified or ill-defined causes	7.0	18.5	12.4	47.2	6.9	2.7	8.0	3.0	5.4	5.8
	All causes	934.9	965.2	906.0	1,030.6	936.0	982.9	889.7	759.1	781.3	1,027.2

TABLE 25.—PRINCIPAL CAUSES OF DEATH BY NUMBERS AND RATES FOR EACH YEAR OF THE LAST DECENNIAL PERIOD

CAUSE OF DEATH	1945		1944		1943		1942		1941		1940		1939		1938		1937		1936	
	Number of Deaths	Rate per 100,000 population	Number of Deaths	Rate per 100,000 population	Number of Deaths	Rate per 100,000 population	Number of Deaths	Rate per 100,000 population	Number of Deaths	Rate per 100,000 population	Number of Deaths	Rate per 100,000 population	Number of Deaths	Rate per 100,000 population	Number of Deaths	Rate per 100,000 population	Number of Deaths	Rate per 100,000 population	Number of Deaths	Rate per 100,000 population
Diseases of the Heart	1663	199	1534	186	1550	194	1483	184	1394	177	1086	137	997	126	895	114	849	109	801	103
Cancer	830	100	781	84	748	94	784	97	712	90	759	95	647	82	682	87	598	77	649	82
Diseases of the Arteries	138	16	121	14	116	14	97	12	86	11	517	65	550	79	455	58	342	48	427	55
Violent Deaths (Suicides excepted)	472	57	484	59	588	73	483	58	524	67	415	52	364	46	357	46	372	49	419	53
Pneumonia (all forms)	369	44	379	46	497	51	335	41	473	47	376	47	362	46	488	62	464	59	449	57
Pulmonary tuberculosis	200	25	229	27	224	28	214	26	254	32	232	29	217	27	206	26	266	34	294	38
Influenza	58	7	128	15	153	19	75	9	276	22	255	32	216	27	174	22	473	61	340	44
Nephritis	255	31	257	31	284	36	260	32	255	32	217	27	214	27	243	31	240	31	190	24
Appendicitis	42	5	54	6	77	9	69	8	91	11	96	12	109	14	146	18	108	14	155	20
Suicides	76	9	57	7	79	10	86	10	103	13	96	12	103	13	100	12	101	13	87	11
Cerebral Haemorrhage	513	62	454	55	472	59	450	56	501	64	116	15	96	12	102	13	104	13	105	13
Diabetes Mellitus	143	17	120	14	116	14	106	13	122	15	90	11	90	11	85	11	70	9	79	9
Diarrhoea and Enteritis	87	10	120	14	116	14	106	9	99	13	92	12	90	11	118	15	15	15	124	16
Puerperal Causes	48	5	31	3	52	6	43	5	54	7	69	9	59	8	68	8	77	10	91	11
Whooping Cough	43	5	42	5	11	1	12	1	23	3	56	7	33	4	30	4	49	6	73	9
Scarlet Fever	1	...	9	1	7	...	11	1	6	1	9	1	19	2	25	3	24	3	13	3
Diphtheria	9	1	5	...	12	1	11	1	6	1	12	2	7	1	18	2	10	1	9	1
Typhoid and Parathyphoid	2	...	8	1	1	...	1	...	5	1	3	...	7	1	12	2	6	1	20	2
Measles	6	...	10	1	19	2	2	...	30	4	6	1	6	1	30	4	123	16	25	3
Poliomyelitis	...	...	1	...	...	...	...	...	8	1	4	...	6	1	15	2	13	2	4	...

TABLE 26.—MARRIAGES IN THE PROVINCE OF ALBERTA, BY MONTHS, 1945

	Total	MONTHS											
		January	February	March	April	May	June	July	August	September	October	November	December
Edmonton	2089	114	117	130	163	151	249	197	199	184	216	202	167
Calgary	1567	103	116	100	122	97	182	151	143	121	133	147	152
Lethbridge	274	17	18	9	18	20	28	39	19	22	26	21	37
Medicine Hat	248	16	20	15	21	13	28	19	13	24	24	25	30
Red Deer	111	8	10	6	10	5	7	6	8	5	6	24	16
Drumheller	76	2	8	11	8	4	7	6	4	1	10	5	10
Wetaskiwin	90	6	3	10	3	5	12	10	5	2	11	13	10
Rural Districts	2855	148	149	143	226	157	370	292	239	200	305	381	245
Total for the Province	7310	414	441	424	571	452	883	720	630	559	731	818	667

TABLE 27.—MARRIAGES—CONJUGAL CONDITION OF CONTRACTING PARTIES, IN ALBERTA, 1945

	Total Marriages	Marriages between									Per cent. of Bridegrooms who were			Per cent. of Brides who were		
		Bachelors and			Widowers and			Divorced men and								
		Spinsters	Widows	Divorced Women	Spinsters	Widows	Divorced Women	Spinsters	Widows	Divorced Women	Bachelors	Widowers	Divorced	Spinsters	Widows	Divorced
Total for the Province	7310	6239	186	196	153	188	36	220	34	58	90.6	5.2	4.3	90.5	5.6	4.0

TABLE 28.—MARRIAGES—AGES OF BRIDEGROOMS AND BRIDES, ALBERTA. 1945

| Ages of Bridegrooms | Total Grooms | Ages of Brides | | |

TABLE 29.—MARRIAGES—BIRTHPLACES OF BRIDEGROOMS AND BRIDES, IN ALBERTA, 1945

| Birthplaces of Bridegrooms | Total Bridegrooms | Birthplaces of Brides | | |

| | | |

TABLE 30.—MARRIAGES—DENOMINATIONS OF CONTRACTING PARTIES, ALBERTA, 1945

| Denomination of Groom | Total Grooms | Denominations of Brides | | |

| | | |

TABLE 31.—DIVORCES AND NULLITIES BY JUDICIAL DISTRICTS FOR THE YEAR 1945

Judicial Districts	Divorces			Nullities		
	Number of Divorces	Granted to Husband	Granted to Wife	Number of Nullities	Granted to Husband	Granted to Wife
Edmonton	313	163	150	3	1	2
Calgary	185	91	94	2	1	1
Lethbridge	36	22	14	....	....	....
Medicine Hat	12	7	5	....	....	....
Peace River	5	4	1	....	....	....
Grande Prairie	2	....	2	....	....	....
Hanna	1	1	....	....	....	....
Red Deer	6	4	2	1	....	1
Drumheller	3	2	1	....	....	....
Macleod	4	3	1	....	....	....
Wetaskiwin	1	....	1	....	....	....
Vegreville	7	5	2	....	....	....
Total	575	302	273	6	2	4

DIVORCES IN ALBERTA SINCE THE PASSING OF THE ACT

Year	Granted to Husband	Granted to Wife	Total
1919	3	3	6
1920	74	26	100
1921	53	37	90
1922	80	49	129
1923	57	32	89
1924	66	53	119
1925	59	42	101
1926	79	75	154
1927	83	66	149
1928	91	84	175
1929	77	71	148
1930	64	87	151
1931	69	87	156
1932	68	81	149
1933	56	79	135
1934	62	106	168
1935	74	135	209
1936	74	135	209
1937	102	139	241
1938	105	162	267
1939	104	163	267
1940	119	154	273
1941	135	176	311
1942	179	201	380
1943	190	223	413
1944	245	243	488
1945	302	273	575

TABLE 32.—BIRTHS OF INDIANS (EXCLUSIVE OF STILLBIRTHS), BY MONTHS AND BY PLACE OF RESIDENCE OF MOTHERS, ALBERTA, 1945

	Total	Months											
		January	February	March	April	May	June	July	August	September	October	November	December
Total for the Province	1093	84	103	97	92	87	79	106	94	91	83	91	86

TABLE 33.—BIRTHS OF INDIANS (EXCLUSIVE OF STILLBIRTHS), CLASSIFIED AS LEGITIMATE OR ILLEGITIMATE, BY PLACE OF RESIDENCE OF MOTHERS, ALBERTA, 1945

	Total Births			Legitimate			Illegitimate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total for the Province	1093	584	509	863	458	405	230	126	104

TABLE 34.—DEATHS OF INDIAN CHILDREN (EXCLUSIVE OF STILLBIRTHS), FROM CERTAIN SPECIFIED CAUSES IN FIRST YEAR OF LIFE FOR EACH SEX, ALBERTA, 1945

Int. list No.	Causes of Death	Total	Male	Female
	ALL CAUSES	148	88	60
6	Cerebrospinal meningitis	....	....	....
8	Scarlet fever	....	....	....
9	Whooping-cough	25	14	11
10	Diphtheria	....	....	....
11	Erysipelas	....	....	....
13	Tuberculosis of the respiratory system	7	4	3
14-22	Tuberculosis, other forms	4	3	1
24	Purulent infection and septicaemia	....	....	....
27	Dysentery	....	....	....
30	Syphilis	....	....	....
33	Influenza	2	1	1
35	Measles	....	....	....
36	Acute poliomyelitis and polioencephalitis	....	....	....
64	Diseases of the thymus gland	1	....	1
81	Meningitis (non-meningococcal)	3	2	1
86	Convulsions	4	3	1
89	Diseases of the ear and of the mastoid process	1	1	....
105	Diseases of the larynx	1	1	....
106	Bronchitis	....	....	....
107	Bronchopneumonia	36	24	12
108, 109	Pneumonia	19	9	10
115	Diseases of the buccal cavity and annexa, and of the pharynx and tonsils	1	1	....
116-118	Diseases of the stomach	....	....	....
119	Diarrhoea and enteritis	9	3	6
130	Acute nephritis	....	....	....
157	Congenital malformations	7	6	1
	(a) Congenital hydrocephalus	....	....	....
	(d) Congenital malformations of the heart	3	2	1
	(b, c, e) Others under this title	4	4	....
158	Congenital debility	4	2	2
159	Premature birth	11	7	4
160	Injury at birth	3	2	1
161	Other diseases peculiar to the first year of life	3	3	....
166-168	Homicides	....	....	....
169-195, 197	Other violent deaths	3	....	3
	Other specified causes	1	1	....
199, 200	Ill-defined and unknown causes of death	3	1	2

TABLE 35.—CAUSES OF DEATHS OF INDIANS BY SEX, AGE AND RESIDENCE, ALBERTA, 1945

CAUSES OF DEATH		Total	AGES																								
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
DEATHS—ALL CAUSES	**Total**	**424**	**148**	**30**	**13**	**6**	**4**	**32**	**23**	**20**	**24**	**13**	**13**	**9**	**4**	**7**	**8**	**6**	**6**	**14**	**13**	**9**	**8**	**9**	**3**	**1**	**1**	....
	Male	**223**	**88**	**14**	**6**	**4**	**3**	**14**	**9**	**12**	**11**	**10**	**6**	**4**	**2**	**4**	**4**	**3**	**2**	**6**	**3**	**4**	**6**	**5**	**2**	....	**1**	....
	Female	**201**	**60**	**16**	**7**	**2**	**1**	**18**	**14**	**8**	**13**	**3**	**7**	**5**	**2**	**3**	**4**	**3**	**4**	**8**	**10**	**5**	**2**	**4**	**1**	**1**	....	....
CLASS I.—INFECTIOUS AND PARASITIC DISEASES	**Total**	**186**	**39**	**16**	**9**	**5**	**3**	**18**	**15**	**16**	**19**	**9**	**8**	**8**	**4**	**2**	**5**	**3**	....	**3**	**3**	**1**	....	....	....	....	....	....
	Male	**95**	**23**	**7**	**4**	**3**	**2**	**10**	**6**	**11**	**10**	**7**	**4**	**4**	**2**	....	**1**	**1**	....	....	....	....	....	....	....	....	....	....
	Female	**91**	**16**	**9**	**5**	**2**	**1**	**8**	**9**	**5**	**9**	**2**	**4**	**4**	**2**	**2**	**4**	**2**	....	**3**	**3**	**1**	....	....	....	....	....	....
8 Scarlet fever	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9 Whooping cough	Male	19	14	4	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	17	11	5	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
10 Diphtheria	Male	2	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13-22 Tuberculosis	**Total**	**67**	**7**	**2**	**2**	**2**	**2**	**9**	**6**	**11**	**10**	**6**	**4**	**4**	**1**	....	....	**1**	....	....	....	....	....	....	....	....	....	....
	Female	**69**	**4**	**3**	**4**	**1**	**1**	**8**	**9**	**5**	**9**	**2**	**4**	**4**	**2**	**2**	**4**	**1**	....	**3**	**2**	**1**	....	....	....	....	....	....
13 Tuberculosis of the respiratory system	**Sub-total** Male	49	4	....	1	....	....	8	4	9	9	6	3	4	1	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	53	3	2	1	1	1	4	6	5	7	2	3	3	2	2	4	1	....	3	2	1	....	....	....	....	....	....
(a) With mention of occupational diseases of lungs	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Without mention of occupational diseases of lungs	Male	38	1	....	1	....	....	4	4	8	8	6	3	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	43	2	2	....	....	1	4	4	5	7	2	3	2	1	1	3	....	....	3	2	1	....	....	....	....	....	....
(c) Unspecified site	Male	11	3	....	....	....	....	4	....	1	1	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	10	1	....	1	1	....	....	2	....	....	....	....	1	1	1	1	1	....	....	....	....	....	....	....	....	....	....
(d) With mention of dementia praecox	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
14 Tuberculosis of the meninges and central nervous system	Male	10	3	1	1	2	....	....	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	10	1	....	3	....	....	2	2	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
15 Tuberculosis of the intestines and peritoneum	Male	3	....	....	....	....	1	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	2	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
16 Tuberculosis of the vertebral column	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
17 Tuberculosis of other bones and joints	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

	(a) Bones	Male																															
		Female																															
	(b) Joints	Male																															
		Female																															
19	Tuberculosis of lmyphatic system (bronchial, mesenteric, mediastinal and retroperitoneal glands (excepted)	Male																															
		Female																															
20	Tuberculosis of the genito-urinary system	Male	1							1																							
		Female																															
22	Disseminated tuberculosis	Male	4		1			1	1										1														
		Female	4						2	1		1																					
	(a) Acute generalized miliary	Male	2		1				1																								
		Female	2						1				1																				
	(b) Other and unspecified generalized	Male	2					1											1														
		Female	2						1	1																							
24	Purulent infection and septicaemia	Male																															
		Female																															
25	Gonococcus infection	Male	1	1																													
		Female																															
27	Dysentery	Male	1	1																													
		Female																															
28	Malarie	Male																															
		Female																															
29	Other diseases due to parasitic protozoa	Male																															
		Female																															
30	Syphilis	Male	3										1			1		1															
		Female	1																1														
	(a) Locomotor ataxia (tabes dorsalis)	Male																															
		Female																															
	(b) General paralysis of the insane	Male																															
		Female																															
	(c) Other syphilis of the central nervous system	Male	1															1															
		Female	1																1														
	(d) Others under this title	Male	2										1			1																	
		Female																															
33	Influenza **Total**	**Male**	2	1					1																								
		Female	2	1																				1									
	(a) With respiratory complications	Male	1	1																													
		Female																															
	(b) Without respiratory complications	Male	1						1																								
		Female	2	1																				1									
35	Measles	Male																															
		Female	1		1																												
		Total	9													1		1	2	3	1			1								
CLASS II.—CANCER AND OTHER TUMOURS		**Male**	3													1				1				1								
		Female	6															1	2	2	1											
45-55	Cancer and other malignant tumours	**Male**	3													1				1				1								
		Female	6															1	2	2	1											

TABLE 35.—CAUSES OF DEATHS OF INDIANS BY SEX, AGE AND RESIDENCE, ALBERTA, 1945—Continued

CAUSES OF DEATH		Total	AGES																								
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
46 (b) Stomach	Male																										
	Female	1																	1								
(e) Intestines	Male																										
	Female	1															1										
(f) Liver and biliary passages	Male	1																					1				
	Female																										
48 Cancer of the uterus	Female																										
(a) Cervix	Female																										
(b) Other and unspecified sites	Female																										
49 Cancer of other female organs	Female	1																									
50 Cancer of the breast	Male																				1						
	Female	1																1									
51 Cancer of the male genital organs	Male	1																									
52 (a) Cancer of the kidney	Male																										
	Female																										
(b) Bladder	Male																										
	Female																										
(c) Other and unspecified sites	Male																										
	Female																										
53 Cancer of the skin	Male																										
	Female																										
54 Cancer of the brain	Male																										
	Female																										
55 Cancer of other and unspecified organs	Male	1																		1							
	Female	2																	1	1							
CLASS III.—RHEUMATISM, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS, OTHER GENERAL AND VITAMIN DEFICIENCY DISEASES	Total	3	1																1								
	Male	1																		1							
	Female	2	1																	1							
58 Acute rheumatic fever	Male	1																			1						
	Female																										

(a) Acute rheumatic heart conditions	Male																														
	Female																														
(b) Others under this title	Male	1																				1									
	Female																														
61 Diabetes mellitus	Male																														
	Female	1																				1									
62 Diseases of the pituitary gland	Male																														
	Female																														
64 Diseases of the thymus gland	Male																														
	Female	1	1																												
CLASS IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	**Total**																														
	Male																														
	Female																														
73 Anaemias	Male																														
	Female																														
(a) Pernicious anaemia	Male																														
	Female																														
(b) Others under this title	Male																														
	Female																														
CLASS V.—CHRONIC POISONING AND INTOXICATION	**Total**																														
	Male																														
	Female																														
77 (a) Acute alcoholism	Male																														
	Female																														
(b) Chronic alcoholism	Male																														
	Female																														
CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	**Total**	**20**	**8**	**1**				**2**	**2**				**2**				**1**			**2**			**1**	**1**							
	Male	**11**	**6**	**1**									**1**				**1**			**1**			**1**								
	Female	**9**	**2**					**2**	**2**				**1**							**1**				**1**							
80 (a) Intracranial abscess	Male																														
	Female																														
(b) Others under this title	Male	1											1																		
	Female																														
81 Meningitis (non-meningococcal)	Male	2	2																												
	Female	3	1					2																							
(a) Simple meningitis	Male	2	2																												
	Female	3	1					2																							
(b) Acute cerebrospinal meningitis	Male																														
	Female																														
83 Intracranial lesions of vascular origin	Male	2																				1			1						
	Female	3											1									1				1					
(a) Cerebral haemorrhage or effusion	Male	1																							1						
	Female	2											1									1									

TABLE 35.—CAUSES OF DEATHS OF INDIANS BY SEX, AGE AND RESIDENCE, ALBERTA, 1945—Continued

CAUSES OF DEATH		Total	AGES																										
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
(e) With mention of arteriosclerosis	Male	1																	1								
	Female	1																					1				
84 (a) Schizophrenia (dementia praecox)	Male	1														1											
	Female																										
(b) Others under this title	Male																										
	Female																										
85 Epilepsy	Male																										
	Female	1						1																			
86 Convulsions (under 5 years of age)	Male	3	3																								
	Female	1	1																								
89 Diseases of the ear and of the mastoid process	Male	2	1	1																							
	Female	1						1																			
(a) Otitis and other diseases of the ear	Male	1		1																							
	Female	1						1																			
(b) Diseases of the mastoid process	Male	1	1																								
	Female																										
CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM	**Total**	**12**										**2**				**1**	**1**		**1**	**2**		**2**	**1**	**1**		**1**		
	Male	**7**										**1**				**1**	**1**		**1**	**2**		**1**						
	Female	**5**										**1**										**1**	**1**	**1**		**1**		
90-95 Diseases of the heart	**Total**	**7**										**1**				**1**	**1**		**1**	**2**		**1**						
	Male	**3**										**1**										**1**		**1**				
92 (a) Specified valvular diseases (non-rheumatic)	Male	1														**1**											
	Female	1										**1**															
93 (d) Chronic myocarditis (non-rheumatic)	Male	3															**1**			**1**		**1**					
	Female	1																						**1**			
(e) Other myocarditis (not specified)	Male																										
	Female																										
94 (a) Diseases of the coronary arteries	Male	1																		1							
	Female																										
(b) Angina pectoris	Male																										
	Female																										
95 (a) Functional diseases of the heart (no organic lesion)	Male																										
	Female																										

(b) Other diseases of the heart (rheumatic)	Male	1										1																			
	Female																														
(c) Other diseases of the heart (non-rheumatic)	Male	1																	1												
	Female	1																				1									
97 Arteriosclerosis (coronary or renal sclerosis or cerebral haemorrhage excepted)	Male																														
	Female	2																				1			1						
102 High blood pressure (idiopathic)	Male																														
	Female																														
CLASS VIII.—DISEASES OF THE RESPIRATORY SYSTEM	**Total**	**93**	**56**				**1**		**2**							**1**		**1**	**3**	**3**	**4**	**2**	**1**		**1**						
	Male	**51**	**34**	**4**	**1**		**1**	**2**	**1**									**1**	**1**	**2**	**2**		**1**		**1**						
	Female	**42**	**22**	**4**	**2**			**5**	**1**							**1**			**2**	**1**	**2**	**2**									
104 Diseases of the nasal fossae and accessory sinuses	Male																														
	Female																														
105 Diseases of the larynx	Male	1	1																												
	Female																														
106 (a) Bronchitis, acute	Male																														
	Female	1						1																							
(b) Bronchitis, chronic	Male																														
	Female																														
107 Broncho pneumonia	Male	31	24	4				1	1	1													1								
	Female	22	12	3	1			1	1	1											2	2									
108 Lobar pneumonia	Male	6	3															1		1	1										
	Female	5	3	1												1															
109 Pneumonia (unspecified)	Male	12	6		1		1	1											1	1					1						
	Female	14	7		1			3											2	1											
112 Asthma	Male	1																			1										
	Female																														
114 (c) Other diseases of the respiratory system (tuberculosis excepted)	Male																														
	Female																														
	Total	**20**	**10**	**2**				**1**	**2**	**1**	**2**	**1**									**1**										
CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM	**Male**	**7**	**4**	**1**				**1**				**1**																			
	Female	**13**	**6**	**1**					**2**	**1**	**2**										**1**										
115 Diseases of the buccal cavity and annexa, and of the pharynx and tonsils	Male	1	1																												
	Female																														
(a) Diseases of the teeth and gums	Male																														
	Female																														
(b) Septic sore throat	Male																														
	Female																														
(c) Diseases of the pharynx and tonsils	Male	1	1																												
	Female																														
(d) Others under this title	Male																														
	Female																														

TABLE 35.—CAUSES OF DEATHS OF INDIANS BY SEX, AGE AND RESIDENCE, ALBERTA, 1945—Continued

CAUSES OF DEATH		Total	AGES																										
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
117 Ulcer of the stomach or duodenum	Male																											
	Female																											
(a) Stomach	Male																											
	Female																											
(b) Duodenum	Male																											
	Female																											
118 Other diseases of the stomach	Male																											
	Female	1									1																	
119 Diarrhoea and enteritis (under 2 years of age)	Male	4	3	1																								
	Female	7	6	1																								
(a) Diarrhoea and enteritis	Male	4	3	1																								
	Female	7	6	1																								
(b) Ulceration of the intestines	Male																											
	Female																											
120 (a) Diarrhoea and enteritis (2 years of age and over)	Male	1						1																				
	Female																											
121 Appendicitis	Male	1										1																
	Female	4							2	1	1																	
125 (a) Acute yellow atrophy of the liver	Male																											
	Female																											
129 Peritonitis without stated cause	Male																											
	Female																											
CLASS X.—DISEASES OF THE URINARY AND GENITAL SYSTEMS	**Total**	**7**		**1**									**1**				**1**					**2**	**1**	**1**				
	Male	**5**															**1**					**2**	**1**	**1**				
	Female	**2**		**1**									**1**															
130 Acute nephritis	Male																											
	Female	1		1																								
131 Chronic nephritis	Male	4															1					1	1	1				
	Female																											
132 Nephritis unspecified (over 10 years of age)	Male																											
	Female	1											1															
135 Diseases of the urinary bladder	Male	1																				1						
	Female																											

| | | |

TABLE 35.—CAUSES OF DEATHS OF INDIANS BY SEX, AGE AND RESIDENCE, ALBERTA, 1945—Continued

CAUSES OF DEATH		Total	AGES																								
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
159 Premature birth	Male	7	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	4	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
160 Injury at birth	Male	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Intracranial or spinal haemorrhage	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Other intracranial or spinal injuries	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Others under this title	Male	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
161 Other diseases peculiar to the first year of life	Male	3	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(a) Asphyxia (unspecified), atelectasis	Male	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(b) Infection of the umbilicus, pemphigus and other infections	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
(c) Other specified diseases peculiar to the first year of life	Male	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS XVI.—SENILITY	**Total**	15	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	2	3	4	2	....	1	....
	Male	8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	3	2	1	....	1	....
	Female	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	1	....	2	1	....	....	....
162 (b) Without dementia	Male	8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	3	2	1	....	1	....
	Female	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	1	....	2	1	....	....	....
CLASS XVII.—VIOLENT OR ACCIDENTAL DEATHS	**Total**	19	3	2	....	1	....	3	2	1	2	1	1	....	....	1	....	1	....	....	....	....	1	....	....	....	....	....	....
	Male	10	....	1	....	1	....	....	2	1	1	1	1	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....
	Female	9	3	1	....	....	....	3	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....
163, 164 Suicides	**Total**	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
163 Suicide by paisoning	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

| | | |

TABLE 35.—CAUSES OF DEATHS OF INDIANS BY SEX, AGE AND RESIDENCE, ALBERTA, 1945—Continued

	CAUSES OF DEATH		Total	AGES																										
				Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
195	(c) Lack of care of the new-born	Male	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Female	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	(d) Obstruction, suffocation or puncture by ingested objects	Male	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Female	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
198	Legal executions	Male	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Female	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	CLASS XVIII.—ILL-DEFINED AND UNKNOWN CAUSES OF DEATH	**Total**	7	3	...	1	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
		Male	4	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
		Female	3	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
199	Sudden death	Male	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Female	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200	Ill-defined	Male	5	1	...	1	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...
		Female	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	(a) Ill-defined	Male	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
		Female	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	(c) Unknown or unspecified cause	Male	4	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
		Female	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

CLASSIFICATION OF ACCIDENTAL DEATHS ACCORDING TO THE NATURE OF INJURY. THESE ACCIDENTAL DEATHS ARE CLASSIFIED ABOVE ACCORDING TO CIRCUMSTANCES INVOLVING THE ACCIDENT UNDER RUBRICS 169 TO 176, 178, 180, 181, 182, 183, 185, 186, 187 AND 193.

Accidental absorption of poisonous gas	Male																														
	Female																														
Accidental burns	Male	1		1																											
	Female	3		1				2																							
Accidental mechanical suffocation	Male																														
	Female	1	1																												
Accidental drowning	Male	3							1		1	1																			
	Female	1						1																							
Accidental injury by cutting or piercing instruments	Male																														
	Female																														
Accidental injury by fall	Male																														
	Female	1																									1				
Accidental injury by crushing	Male																														
	Female																														
Accidents due to electric currents	Male																														
	Female																														

TABLE 36.—DEATHS OF HALF-BREEDS IN ALBERTA FROM CERTAIN CAUSES OF DEATH, BY SEX, AGE AND PLACE OF RESIDENCE, 1945

CAUSES OF DEATH		Total	AGES																									
			Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years and over	Not stated
DEATHS—ALL CAUSES	**Total**	**119**	**47**	**7**	**3**	**2**	**2**	**7**	**7**	**3**	**6**	**4**	**3**	**3**	**1**	**1**	**3**	**1**	**1**	**5**	**3**	**2**	**2**	**5**	....	**1**	....	....
	Male	**64**	**27**	**4**	**1**	**2**	....	**5**	**3**	**3**	**3**	**3**	**1**	**1**	....	**1**	**2**	**1**	**1**	**3**	**1**	....	**1**	**3**	....	**1**	....	....
	Female	**55**	**20**	**3**	**2**	....	....	**2**	**4**	....	**3**	**1**	**2**	**2**	**1**	....	**1**	**1**	**1**	**2**	**2**	**2**	....	....	**2**	....	....	....	....
9 Whooping cough	Male	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13 Tuberculosis of the respiratory system	Male	8	....	....	....	....	....	1	....	2	2	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	11	1	....	1	....	....	2	1	....	1	1	1	1	1	....	1	....	....	....	....	....	....	....	....	....	....	....
14-22 All other forms of tuberculosis	Male	5	....	....	....	1	1	....	2	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
33 Influenza	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
45-55 Cancer	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
107-109 Pneumonia and bronchopneumonia	Male	16	12	2	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
	Female	13	7	2	....	....	....	2	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....
119-120 Diarrhoea and enteritis (under 2 years of age)	Male	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	5	4	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
141 Abortion without mention of infection	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
140 Abortion with mention of infection	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
147 Infection during childbirth and the puerperium	Female	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
145 Other accidents and diseases of childbirth and the puerperium	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
158 Congenital debility	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
159 Premature birth	Male	4	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
160 Injury at birth	Male	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
161 Other diseases peculiar to the first year of life	Male	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

163-164	Suicides	Male	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
166-168	Homicides	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
170	Automobile accidents (all motor-driven vehicles)	Male	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
172	Other violent or accidental deaths (automobile accidents excepted)	Male	3	....	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
		Female	3	1	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
195	Other causes	Male	21	6	1	1	....	....	1	....	....	....	1	....	....	....	1	2	....	....	....	1	1	2	1	3	....	....	....	....	....
		Female	14	2	....	1	....	....	....	3	....	....	....	1	....	....	....	....	1	....	....	1	1	....	1	2	....	1	....	....	....

TABLE 37.—POPULATION BIRTHS, MARRIAGES, DEATHS, AND RATES FOR THE YEARS 1905-1945

Year	Population	Number of Births	Rate Birth	Number of Marriages	Marriage Rate	Number of Deaths	Death Rate	Infantile Death Rate per 1,000 Births	Puerperal Death Rate per 1,000 Births	Rate of Natural Increase
1905	.....	421	.....	187	.....	114	.....	.....	.....	.....
1906	185,000	3,003	20.41	927	6.77	1,091	7.36	90.00	.....	13.04
1907	236,000	4,732	20.05	1,907	8.08	1,578	6.68	100.27	6.33	13.36
1908	266,000	5,973	22.45	2,032	7.63	2,188	8.22	126.57	6.02	14.22
1909	301,000	6,897	22.91	2,384	7.92	2,662	8.81	.....	.....	14.07
1910	336,000	8,321	24.49	3,086	9.18	3,526	10.49	129.49	8.63	14.00
1911	374,000	8,813	23.56	3,630	9.70	3,618	9.67	134.46	9.75	13.88
1912	400,000	10,284	25.71	4,429	11.07	4,232	10.58	124.75	8.26	15.13
1913	429,000	11,871	28.47	5,053	12.12	4,432	10.63	120.47	7.07	17.84
1914	459,000	13,685	30.75	4,623	10.39	4,417	9.32	100.54	6.13	21.43
1915	480,000	13,452	28.90	4,202	9.06	3,588	7.73	87.9	5.79	21.26
1916	496,000	13,331	27.87	4,230	8.53	4,058	8.18	90.5	7.20	18.69
1917	508,000	13,576	27.01	4,270	8.54	4,047	8.09	87.30	6.48	18.92
1918	522,000	14,890	25.72	4,048	6.98	7,924	13.86	107.10	5.51	11.86
1919	522,000	14,130	23.95	4,718	7.90	5,507	9.33	110.30	6.44	14.62
1920	565,000	16,565	26.72	5,110	8.24	5,675	9.15	93.70	8.38	17.57
1921	588,000	16,414	27.89	4,661	7.92	4,940	8.39	85.65	7.24	19.50
1922	592,000	16,163	26.44	4,272	6.99	5,281	8.62	91.93	6.68	17.83
1923	593,000	15,153	25.75	4,177	6.09	4,843	8.06	90.54	5.50	18.75
1924	597,000	14,598	24.74	4,160	7.50	4,907	8.30	82.40	6.18	16.42
1925	602,000	15,014	25.02	4,363	7.27	4,717	7.86	72.90	5.76	16.16
1926	608,000	14,455	23.79	4,498	7.40	5,156	8.49	81.63	5.82	15.31
1927	633,000	14,897	24.03	4,707	7.58	5,059	8.16	74.51	6.38	15.87
1928	658,000	15,692	24.79	5,776	9.12	5,699	9.00	76.50	6.75	15.79
1929	684,000	16,924	26.19	6,004	9.29	6,239	9.65	77.40	7.26	16.54
1930	708,000	17,649	26.74	5,334	8.08	5,396	8.33	63.57	6.46	18.41
1931	732,000	17,252	23.57	5,142	7.02	5,302	7.24	69.38	5.04	16.32
1932	740,000	16,990	22.96	5,054	6.83	5,521	7.46	58.68	3.76	15.50
1933	748,000	16,123	21.33	5,389	7.10	5,346	7.07	59.90	4.43	14.24
1934	756,000	16,236	21.10	6,053	7.87	5,337	6.93	54.89	4.99	14.01
1935	770,000	16,183	21.0	6,010	7.7	5,729	7.3	57.8	4.2	14.0
1936	772,782	15,786	20.4	6,020	7.8	6,147	8.0	60.0	5.8	12.5
1937	778,000	15,903	20.4	6,345	8.2	6,261	8.0	63.0	4.9	12.4
1938	783,000	15,891	20.3	6,973	8.9	5,871	7.5	51.0	4.3	12.8
1939	789,000	16,470	20.9	7,838	9.9	5,789	7.3	46.0	3.5	13.6
1940	790,000	17,359	21.8	8,782	11.8	6,203	7.8	48.0	3.9	14.1
1941	796,169	17,308	21.7	8,470	10.7	6,385	8.0	51.0	3.6	13.7
1942	805,000	18,317	22.7	9,034	11.2	6,091	7.5	38.0	2.3	15.2
1943	792,000	19,290	24.3	7,771	9.8	6,524	8.2	42.0	2.7	16.1
1944	818,000	19,373	23.7	7,299	8.9	6,320	7.7	46.0	1.6	16.0
1945	826,000	19,939	24.1	7,310	8.8	6,454	7.8	43.0	2.4	16.2

TABLE 38.—DEATHS AND DEATH RATES FROM PUERPERAL CONDITIONS, 1945

	Births	Deaths from Puerperal Conditions	Death Rate per 1,000 Births
Whole Province	19,939	48	2.4
City of Edmonton	2,793	7	2.5
City of Calgary	2,231	2	.8
Small Cities	1,048	6	5.7
Rural	13,867	33	2.3

RATIO OF MALE TO FEMALE BIRTHS, AND OF BIRTHS TO DEATHS

Year	Births of Males to 1,000 Births of Females	Ratio of Births to Deaths	Year	Births of Males to 1,000 Births of Females	Ratio of Births to Deaths
1905	1,059	3.11	1926	1,053	2.80
1906	1,094	2.07	1927	1,065	2.94
1907	1,075	2.96	1928	1,064	2.75
1908	1,077	2.73	1929	1,042	2.71
1909	1,086	2.59	1930	1,027	3.21
1910	1,065	2.69	1931	1,075	3.25
1911	1,103	2.43	1932	1,052	3.08
1912	1,084	2.43	1933	1,053	3.01
1913	1,053	2.67	1934	1,032	3.04
1914	1,081	3.30	1935	1,055	2.81
1915	1,000	3.47	1936	1,049	2.57
1916	1,063	3.29	1937	1,019	2.38
1917	1,061	3.25	1938	1,046	2.70
1918	1,069	1.88	1939	1,046	2.85
1919	1,074	2.56	1940	1,033	2.79
1920	1,055	2.92	1941	1,054	2.71
1921	1,055	3.32	1942	1,058	3.02
1922	1,034	3.06	1943	1,041	2.96
1923	1,072	3.13	1944	1,060	3.06
1924	1,036	2.97	1945	1,061	3.08
1925	1,036	2.97			

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