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Contributors

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ANNUAL REPORT

OF THE

Department of Public Health

PROVINCE OF ALBERTA

INCLUDING

Vital Statistics Branch

PUBLISHED BY ORDER OF THE LEGISLATIVE ASSEMBLY

EDMONTON: PRINTED BY A. SHNITKA, KING'S PRINTER 1944





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PRINTED BY A. SHNITKA, KING'S PRINTER

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Edmonton, December 20, 1943.

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 1942.

I have the honour to be, Sir,

Your obedient servant,

Wallace Warren Cross, Minister of Health. Digitized by the Internet Archive in 2019 with funding from Wellcome Library

Edmonton, December 20, 1943.

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

Administration Building, Edmonton, Alberta.

SIR:

I have the honour to submit herewith the Twenty-fourth 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-FOURTH 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. Public Health Nursing.
- 6. Municipal Hospitals.
- 7. Social Hygiene.
- 8. Sanitary Engineering and Sanitation.
- 9. Dental Hygiene.
- 10. Cancer Services.
- 11. Mental Health.
- 12. Institutions: Provincial Mental Hospital, Ponoka.

Provincial Auxiliary Hospital, Claresholm. Provincial Auxiliary Hospital, Raymond. Provincial Mental Institute, Oliver. Provincial Training School, Red Deer.

- 13. Tuberculosis Control and the Central Alberta Sanatorium, Calgary.
- 14. Child Welfare.
- 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

- O.C. 843-42—Plumbing Regulations amended.
- O.C. 844-42—Nuisances and General Sanitation Regulations amended.
- O.C. 845-42—Regulations relating to Preparation, Manufacture, Processing and Sale of Canned Meat or Canned Meat Food Products.

LEGISLATION PASSED DURING THE YEAR

The Chiropractic Act Amendment Act, 1942, (Chap. 63).

The amendment permits residents of the Province who now hold a diploma from a school of chiropractic and who were absent from the Province attending a school of chiropractic at the time the Act was passed to obtain a license without examination on payment of the fee of \$50.00. Applicants for registration are required to furnish the Minister with evidence of their practical experience and qualifications.

The fee for renewal of registration is increased from \$10.00 to \$15.00.

The Dental Association Act Amendment Act, 1942 (Chap. 64).

Section 2 of the amendment increases the annual fees payable by members of the Association from \$10.00 to \$15.00.

Section 3 introduces a new section, 25a, which defines what is included in the term the practice of dentistry.

Section 4 amends Section 29 of the Act (which deals with penalties) by applying it to the four preceding sections instead of three.

Section 5 adds a new section, 29a, which prohibits a person, not registered, from practising dentistry or holding himself out as being qualified to practise or holding out or advertising any other person who is not registered as being so qualified.

Section 6 provides that the provisions of this Act shall not affect the provisions of The Public Health Act, Section 24a, and Regulations relating to the relationship between dentists and dental mechanics.

The Mental Defectives Act Amendment Act, 1942 (Chap. 47).

Section 14 of The Mental Defectives Act places the responsibility for support of mental defectives in an institution on municipalities with the right to recover from persons legally responsible for the maintenance of such persons. The object of this amendment is to enable the municipalities, in cases where the mental defective has property, to recover the outlay from him and to enable it to file a caveat against lands owned by him and also to distrain on the goods of the person legally responsible for his support.

The Municipal Hospitals Act, 1929, Amendment Act, 1942 (Chap. 46).

The amendment to Section 12a is to limit free medical services under the scheme to hospital supporters and their dependants. Other residents of the Hospital District would be the responsibility of the municipality in which they reside.

The purpose of the amendment to Section 31a is to provide for the possible difficulties arising where meetings do not materialize for the purpose of electing board members in the specified areas.

The Public Health Act Amendment Act, 1942 (Chap. 45).

A definition of "Nuisance" is added in the interpretation section.

The amendments to Section 221 will enable the Department to establish different fiscal years for different health districts rather than having their fiscal years ending uniformly on December thirty-first. This is advisable as it enables members of the Department to attend annual meetings of the districts, and supervise their accounting.

The new Section 28b places on the person charged in a prosecution under this Act the burden of proving that he is the holder of any certificate or license required by this Act. The lack of this provision creates great difficulty in enforcement.

The Sexual Sterilization Act Amendment Act, 1942 (Chap. 48).

The amendment to Section 3 authorizes the Minister of Health to appoint a temporary member of the Board where a member is unavoidably absent. As all decisions of the Board must be unanimous, delays frequently occur owing to the inability of a member to attend. The amendment will, to a great extent, obviate such delays in the future. The new sections added to this Act extend the jurisdiction of the Board to cases not now covered but which may, in the opinion of the Board, require treatment similar to those already covered.

The Solemnization of Marriage Act Amendment Act (Chap. 65).

From time to time applications are made to the Courts for declarations presuming death so as to permit re-marriage or for other purposes. In some cases the Courts have been assuming this power and the applications have been granted, and in other cases the applications have been refused on the ground of lack of jurisdiction. It is in the public interest that this situation be clarified. The proposed amendment would give statutory authority for the exercise of this jurisdiction. It is in the same terms as an amendment recently made in England except that it does not purport to authorize the dissolution of the marriage.

The Vital Statistics Act Amendm net Act, 1942 (Chap. 21).

In a majority of cases an adopted child is not aware of the fact that its foster parents are not its natural parents. Knowledge of this fact is usually concealed by the foster parents until a birth certificate is required. Although the present certificate does not disclose the original parentage of the child, the fact of adoption is made known by implication as no reference to parentage appears on the certificate. It is deemed advisable that the foster parents of an adopted child should be shown on a child's birth certificate as its natural parents.

All the above Acts came into force on March 19th, 1942.

DEPARTMENT OF PUBLIC HEALTH

RE	EVENUE	E AND EXPENDITURE FOR THE	FIS	CAL	YEAR	ENDED	MARC	H	31, 1943
	Vote.				ries.	Expens			Revenue.
1.	605. (Communicable Diseases	S	2.	506.70	\$ 40.57	73.76	S	2,837.21
2.		Public Health Education	,		000.000	4	0.16	7	mionitimi
3.	603. 1	Hospital Inspection		3,	475.72	67	75.81		220.00
		Grants				520.72	21.65		
4.	626. I	Laboratory			annuare e		60.00		
5.		Public Health Nursing			135.57	17,37			10,374.83
	621.	Travelling Clinic			479.89		36.38		2,254.09
6.	608. 7	Municipal Hospitals			066.61		5.89		
7.	610. 8	Social Hygiene			378.27		14.23		
8.	605. 8	Sanitary Engineering & Sanitation		6,	323.33	4,22	29.91		2,054.75
9.	621. I 622. I	Dental Hygiene			004.15		10.00		
11.	633.)	Mental Health		- 4,	804.15	6,03	32.68		
11.		Cancer Treatment and Prevention		19	775.29	20.71	e 95		
		nsulin				39,71			
	611.	Grants to Homes					32.50		************
	605. I	Full-Time Health Districts				50,20			
	631. I	Poliomyelitis			921.39	24.34			
	1	Administration			076.33		79.80		1.030.78
						0,11	0.00		2,000.10
	1	nstitutions:							
	612-1.)	Part of the second second second in							
	613-2.)			153.	164.60	84,33	31.09		73.094.78
	612-2.	Prov. Training School, Red Deer		80,	124.28	33,93	9.11		64,949.75
	612-3.)								
	613-1.)			296,	568.48	176,14	5.50		162,153.63
	612-4.	Prov. Mental Auxiliary Hos-							
		pital, Claresholm		15,	661.12	12,38	32.26		6,347.15
	612-5.	Prov. Mental Auxiliary Hos-			0.10 18				
10	604.	pital, Raymond		15,	843.47	11,11	11.36		7,974.98
13.	604.	Tuberculosis Control and Cen-							
		tral Alberta Sanatorium, Cal- gary		146	545.61	269.39	10 00		00 007 77
	619.	Univ. of Alberta Hospital				20.00			82,337.77
	015.	Oniv. of America Hospital	-			20,00	0.00		***************************************
			S	845	850.81	\$1,349,95	1 32	S	415,629.72
14.	627-28.	Child Welfare	~		409.39	59.55		4	37,969.93
15.	607.	Vital Statistics			464.36		3.32		76,177.78
	100000		-	1,00000		- 0,03		_	10,211,10
			S	890.	724.65	\$1,416,11	9.07	S	529,777.43
			-			-		-	
		diture: Public Health Department	\$2	,306,	843.63				
Less:	Expen	diture Child Welfare Branch		75,	963.82				
			-						
Y	D. LU	Tracial Danson	\$2		879.81				
Less:	Public	Health Revenue		529,	777.43				
Not 1	Evnend	iture: Public Health Department	01	701	102.20				
TAGE .	axpend	iture. Fublic Health Department	\$1	,701,	102.38				
			-	section services in con-					

VITAL STATISTICS

Vital statistics registered during the year were as follows:

Births	18,317
Marriages	9,037
Deaths	6,091

In all cases in which rates are shown, these are based on an estimated population of 805,152. In the following table the number of births and 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 1937 to 1942.

Year	No. of	Birth	No. of	Marriage	No. of	Death
	Births	Rate	Marriages	Rate	Deaths	Rate
1937	15.901 15.891	20.40 20.30	6.345 6.973	8.20 8.90	6,261 5,871	8.00 7.50
1939	16,470	20.90	7,838	9.90	5.789	7.30
	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

The birth rate for 1942 is 22.70 as compared with 21.70 for 1941. The marriage rate for 1942 is 11.20 as compared with 10.70 for 1941. The death rate for 1942 is 7.50 as compared with 8.10, or 1.5 less than for 1941.

General Health Conditions.

The deaths of 6,091 persons were registered in Alberta in 1942. Of this number 3,724 were males and 2,367 females, or 294 less than the number of deaths registered in the previous year. The year 1942 was marked by a low incidence of most of the communicable diseases. There is a decrease of 135% in the deaths due to Influenza, and there is a decrease of 109% in the deaths due to Whooping Cough, as compared with the previous year. The following chief causes of death showed increases as compared with 1941: Diseases of the Heart and Cancer.

The infantile mortality rate for 1942 is 38, the lowest rate ever recorded in the Province. Special reference is made to the infant death rate in another section of this report.

The maternal mortality rate for 1942 is 2.3, as compared with 3.1 for 1941. The deaths in conditions associated with pregnancy numbered 43, as compared with 54 the previous year, a decrease of 24.3%.

Twelve deaths were reported as due to Whooping Cough in 1942, as compared with 23 deaths from this cause in 1941, and 56 deaths in 1940. Of these 12 deaths, eight were infants under one year of age. Parents should be much more concerned in protecting young children against Whooping Cough. This is one of the most serious diseases of childhood. All children should be immunized against it. The vaccine required for this purpose is supplied free by the Department to physicians and health authorities.

Measles and Rubella, of which widespread outbreaks occurred in 1941, were only reported in small numbers in 1942; 1,459 cases of Measles with two deaths, and 1,044 cases of Rubella with no deaths, being reported during the year. Detailed reports concerning Measles and Rubella will be found in the report of the Communicable Diseases Division.

The combined death rate (deaths per 100,000 population) for Diphtheria, Scarlet Fever, Measles and Whooping Cough is 4.5, as compared with 8.2 for 1941. The decrease is due to the reduced number of deaths from Measles and Whooping Cough.

There were 58 cases of Diphtheria, with 11 deaths, reported in 1942, as compared with 31 cases and six deaths in 1941. Of the 58 cases reported in 1942, 27 were reported by cities, 15 by towns and villages, and 16 by rural districts. The death rate for Diphtheria for 1942 is 1.4, as compared with .75 the previous year. This increase in deaths from Diphtheria, an entirely preventable disease, brings home to us the fact that our people are still lax, and in many cases negligent, in taking advantage of the protection which science has given us against this serious disease. We should not have a single death to record from Diphtheria. Diphtheria Toxoid, which is used for immunization of children against Diphtheria, is supplied free of charge by the Department to physicians, local health authorities and local school authorities, but there are still a number of areas in the Province where little has been done to protect preschool and school children from this highly dangerous disease.

In 1942, 1,982 children in 79 outlying districts were immunized against Diphtheria by a qualified health inspector on the Departmental staff, part of whose time is devoted to this service.

Only one case of smallpox was reported in 1942. Our freedom from Smallpox in recent years is not due to the extent to which our people are protected by vaccination. 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. Such a situation is potentially one of great danger from the public health point of view. Should Smallpox appear in such communities, it would be almost certain to spread at an alarming rate. If the disease should be of the malignant type, the results would be serious. I would once again emphasize that children should be vaccinated, preferably some time during the first six months of life. Vaccination should be repeated when the child enters school, and need not again be done unless on exposure to infection. Smallpox vaccine is supplied free of charge by the Department to physicians, local boards of health and school boards.

In 1942, 2,119 persons in 79 outlying areas were vaccinated against Smallpox by the health inspector carrying on this work. These outlying areas are, in most cases, much better protected against Diphtheria and Smallpox than the well settled areas of the Province.

In 1942, 2,265 cases of Scarlet Fever, with 11 deaths, were reported, as compared with 792 cases and 6 deaths in 1941. This is the largest number of cases reported in any year since 1936. While most of the cases were of a mild type, complications occur even in a mild type of infection. Scarlet Fever is a serious disease, and the more promptly the mild types of this disease are recognized and treated the better for the patient and the community. The following is a summary of the Scarlet Fever cases reported in 1942:

Under one year	14 256
5 to 14 years 15 to 24 years	1,060
25 to 44 years 45 to 59 years	267 18 62
Total	2,265
Cases reported by cities Cases reported by towns and villages Cases reported by rural districts	1,318 352 595

There were 18 cases of Typhoid Fever and nine cases of Paratyphoid Fever reported in 1942, as compared with 33 cases and 15 cases respectively in 1941. One death occurred from Typhoid Fever in 1942 and no deaths from Paratyphoid. The Typhoid death rate for 1942 is .1, the lowest ever recorded in the Province.

I would once again call attention to the important role played by Typhoid carriers in the spread of this infection. It is essential that such carriers be subject to careful supervision and control to ensure that they do not become factors in the spread of infection. The co-operation of local health authorities with the Department is essential in the investigation of sources of infection, as well as in the supervision and control of the disease. Constant vigilance in the supervision of local water, milk and food supplies is required. Pasteurization of milk and milk products carried out under proper supervision is a most effective means of safeguarding such products. It is gratifying to note the increase in the number of pasteurizing plants which are being installed in the towns of the Province, thereby providing protection to consumers not only against Typhoid, but a number of other milk-borne diseases as well.

Rocky Mountain Spotted Fever and Sylvatic Plague Survey.

Mr. J. H. Brown, M.Sc., again had charge of the Rocky Mountain Spotted Fever and Sylvatic Plague Survey, directing the two crews in the field, each equipped with a travelling laboratory.

Ten areas were surveyed for ticks, 87 collections of ticks were made, consisting of 325 host ticks from 161 animals and 5,598 drag ticks. Five of these drag collections were found positive for Tularaemia.

One fatal case of Rocky Mountain Spotted Fever occurred in 1942 in an 82-year-old rancher from the Manyberries district. This man spent only one day in the district and gave a history of tick bite while visiting there.

A case of tick transmitted Tularaemia occurred in 1942 in a 49-year-old sheep herder from the Whitla district. This man gave a history of tick bites, and also reported that he had suffered a cut of the hand while skinning sheep that had died from Tularaemia. He recovered from the disease.

Arrangements were made by the Department, as in previous years, to vaccinate all persons desiring protection against Rocky Mountain Spotted Fever in the Manyberries district, and 210 persons were vaccinated against this highly dangerous disease.

In connection with Sylvatic Plague work, 15 areas were surveyed, 110 collections made, 1,574 subjects (animals, birds, etc.) yielded 3,295 fleas, and 181 tissue specimens were forwarded to the Laboratory of Hygiene at Kamloops for investigation. Eleven of the Plague collections were reported positive by the laboratory at Kamloops. Of these, eight were in known and suspected Plague areas, while three were taken in the Suffield area. Since 1939, 16 flea collections and four tissue specimens have been found positive for Plague. The survey crews have demonstrated the presence of Plague infection in both ground squirrels and ground squirrel fleas over an area comprising approximately 2,000 square miles in the Hanna, Youngstown, Cessford and Sunnynook districts. An area of approximately 36 square miles in the Suffield area has been also shown to harbour infected animals and fleas.

In addition to the work already mentioned, the survey crew made certain field investigations in connection with Equine Encephalomyelitis. Eleven districts were investigated and 73 collections made in connection with this survey.

Educational work was carried on as in previous years, a number of addresses being given by Mr. Brown, and the bulletins published by the Department on Rocky Mountain Spotted Fever and Sylvatic Plague widely distributed.

The co-operation of the Rockefeller Foundation in connection with this important work is gratefully acknowledged and has made this survey work possible. The grant of the Foundation for 1942 amounted to \$2,600.

The assistance of the Department of Pensions and National Health in providing the laboratory services is also gratefully acknowledged.

The results obtained since this work was undertaken in 1938 have been noteworthy. It is important that this work be continued, and that an active educational campaign be carried on throughout the areas in which infection has been found in order that the people may be kept fully informed in regard to the nature of these infections and the manner in which they are spread.

We have, as in past years, been most fortunate in the personnel engaged in this work. The following constituted our survey crew in 1942: J. H. Brown, M.Sc., Director; James W. Taylor, J. C. Carney, and Douglas O. Williams. Mr. G. D. Roy and J. L. MacLeod, both of whom were members of the survey in previous years, were attached to the staff during the month of May, and assisted in the training of the new members of the survey staff.

Poliomyelitis.

In 1942, only eight cases of Poliomyelitis were reported to the Department, and there were no deaths registered as due to this cause. In 1941, 166 cases of Poliomyelitis and eight deaths from this cause were reported.

Under the provision made for free treatment of paralysis due to Poliomyelitis, 27 patients were admitted to the University Hospital, 20 to the General Hospital, Edmonton, and two to the Junior Red Cross Hospital, Calgary. Assistance was extended by the Department to four patients to obtain vocational training and to 18 to complete academic and secretarial courses.

Influenza and Pneumonia.

Seventy-five deaths occurred from Influenza in 1942 as compared with 176 deaths from this cause in 1941; 335 deaths were registered as due to Pneumonia in 1942 as compared with 374 in 1941. Influenza and Pneumonia together accounted for 410 deaths, or 6.7% of the deaths registered from all causes in 1942. In 1942 we experienced the lowest death rate from Influenza for many years, and this year also marked a small decline in the Pneumonia rate.

It is important in Pneumonia that there should be early diagnosis and prompt treatment with the drugs now available, and early administration of typed Pneumonia serum where this is indicated, if further reduction is to be effected in the death rate from this disease. Tuberculosis.

During 1942, 271 deaths were reported from Tuberculosis, as compared with 329 in 1941. The death rate for all forms of Tuberculosis, including deaths occurring among the Indian and Metis population, is 33.4 (per 100,000 population) in 1942, as compared with 41.3 for 1941. The total deaths from all forms of Tuberculosis, excluding deaths occurring in the Indian and Metis population, numbered 142 in 1942, as compared with 170 in 1941, a decrease of 28, giving a death rate of 18 (per 100,000 population), as compared with 21.2 in 1941.

Diseases of the Heart and Circulatory System.

Diseases of the heart accounted for 1,483 deaths in 1942, as compared with 1,394 in 1941. These 1,483 deaths represent 24.4% of the deaths from all causes reported for the year, giving a death rate of 184.2 (per 100,000 population), as compared with 176.8 in 1941.

Diseases of the circulatory system were reported as the cause of 97 deaths in 1942, as compared with 86 in 1941.

With the increasing age of our population, there has been a steady rise in the number of deaths due to diseases of the heart and the circulatory system. Included in this number are many deaths which can be classed as preventable. Periodic medical examinations would detect many conditions in the early stages and thereby enable persons showing evidence of such conditions to regulate their lives according to the advice of competent physicians. Periodic medical examinations of children would bring to light foci of infection which in many cases are factors in the development of diseases of the heart.

Cancer.

Deaths registered as due to Cancer numbered 784 in 1942, an increase of 72 over the previous year, giving a Cancer death rate of 97 (per 100,000 population) in 1942, as compared with 90 in 1941.

The trend in the Cancer death rate is upward. Cancer occupies second place in the list of causes of death, and in 1942 accounted for 12.8% of the total deaths registered from all causes. Once again I wish to emphasize the vital importance of early recognition and prompt treatment in Cancer. Authorities have pointed out that the death rate from Cancer could be cut in two if this were the rule rather than the exception. Educational work has been carried on along the same lines as in previous years by the Department in co-operation with the Alberta Branch of the Canadian Society for the Control of Cancer and the Alberta Division of the Canadian Medical Association.

The two Cancer Diagnostic Clinics, one in Edmonton and the other in Calgary, were busy during the year. In addition to the diagnostic services provided by these Clinics, deep X-ray and radium treatment were authorized for such patients as in the opinion of the clinic staff would be likely to benefit by such treatment. In August, the Cancer service was extended to provide for surgical treatment where in the opinion of the staff of the Cancer Clinic, patients would likely benefit by such treatment.

The following is a brief summary of the work done by the Diagnostic Clinics and the cases referred for deep X-ray and radium treatment in 1942:

Edmonton Clinic: Examinations of new patients 851 Re-examinations 691	1.542
Calgary Clinic: Examinations of new patients 335 Re-examinations 178	513
Both Clinics, Total	2,055

Of the new patients examined at the clinics, 51% were found to be suffering from some form of Cancer.

There were 343 patients referred for diagnosis by X-ray, 359 patients were given radium or X-ray treatments, and 124 patients were referred for surgical treatment.

Deaths Due to Violence.

Deaths reported as due to violence numbered 483 in 1942, as compared with 525 in 1941, representing 7.9% of the total deaths registered in the Province for the year, and giving a death rate of 60 per 100,000.

In addition, there were 86 suicides in 1942, as compared with 103 in 1941.

Highway accidents accounted for 71 deaths, of which 62 were due to automobile accidents, 16 less than the number reported in 1941. While there was some improvement in the death rate from automobile accidents, it is well to bear in mind that most of the deaths and the injuries sustained in such accidents are preventable.

There were 52 deaths reported from drowning in 1942, as compared with 53 such deaths in 1941. Nearly all deaths from drowning are preventable, but the death rate from this cause will not be reduced until such time as the public fully realizes the hazards connected with swimming and the use of boats, canoes and other water craft. Attendants experienced in methods of resuscitation should be required to be on duty at all public swimming beaches and swimming pools throughout the season such beaches and pools are in use.

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

Suicides Homicides Railway accidents excluding motor vehicles	86 10 7	Accidental drowning Accidental injury by firearms Accidental injury by cutting or piercing instruments	52 15
Motor vehicle accidents Street car and other transport accidents Water transport Air transport	9 2 86	Accidental injury by fall or crushing Injury by animals Hunger or thirst Excessive cold Excessive heat	56 5 1 2 1
Accidents in mines and quarries Agriculture and forestry Other accidents involving machinery Food poisoning Accidental absorption of poisonous gas Acute accidental poisoning of solids	19 52 12 2	Lightning Accidents due to electric currents Attack by venomous animals Other accidents Deaths of persons in military service during operations of war Deaths of civilians due to operations	
or liquids Conflagration Accidental burns (conflagration excepted) Accidental mechanical suffocation	11 13 12 18	of war Legal executions Total	2 569

Infantile Mortality.

There were 696 deaths of children under one year of age registered in 1942, as compared with 879 such deaths in 1941, a decrease of 183 deaths.

The infantile mortality rate for 1942 is 38, as compared with 51 for 1941. The infantile death rate for 1942 is the lowest ever recorded in the Province.

I wish to again call attention to the higher death rate among children residing in the rural districts and smaller urban centres not included in health unit areas. In 1942, the average infantile mortality rate for rural districts (including the smaller urban centres) is 41 and for the seven cities of the Province 34. This means that in 1942 the death rate for children under one year of age in rural districts is 21% higher than the death rate for children in this age group in the cities.

Of the 696 deaths of children under one year of age in 1942, 387 or 56% occurred within the first month of life, of which number 309 occurred within the first week and 179 on the first day of life. These figures serve to emphasize that in spite of the marked reduction in the total number of deaths of children under one year of age in 1942, there is still an urgent need for the extension of our preventive health services through the organization of District Health Units, until this service is made available throughout the Province. It is significant that in districts in which full-time rural health units have been established for a number of years, the infantile death rate declines until it is equal to the rate for the cities of the Province.

Maternal Mortality.

The maternal death rate (deaths of mothers per 1,000 living births) in 1942 was 2.3, as compared with 3.1 in 1941. This is the lowest rate on record. The average maternal death rate for the past five years is 3.27.

The following are the causes of maternal deaths registered in 1942:

Abortion with mention of infection Abortion without mention of infection Ectopic gestation	7 2 2
Haemorrhage of pregnancy, death prior to delivery Toxaemia of pregnancy, death prior to delivery	2
Other diseases and accidents of pregnancy, death prior to delivery Haemorrhage of childbirth and the puerperium	1 7
Infection during childbirth and the puerperium Puerperal toxaemias following delivery	13
Other accidents of childbirth Other and unspecified conditions of childbirth and the puerperal state	4 3
Total	43

The reduction in the number of maternal deaths in 1942 is most encouraging. In the opinion of health authorities, the maternal death rate could be very materially reduced and a great deal of invalidity, both preceding and following childbirth, prevented if full application were made of our present knowledge concerning maternal hygiene. The solution of the problem involves social and economic factors.

Our policy to extend rural health unit services throughout the Province will, when we are in a position to fully implement the same, be effective in further reducing our maternal death rate. In 1942, 84.7% of the births registered in the Province occurred in approved hospitals.

Full Time Health Units.

The work of the nine rural health units, namely, Red Deer, Foothills, Stettler, Rosebud, Lamont, Sturgeon, Clover Bar, Holden and Two Hills, has been conducted along the same general lines as in previous years.

Owing to the enlistment of the Medical Officers of Health in four of the health units, and the appointment of Dr. A. Somerville,

Medical Officer of Health of the Foothills Health Unit, as Director of the Communicable Disease Division of the Department and Medical Inspector of Hospitals for the Province, and the impossibility of replacing these medical officers, it has been necessary to arrange for part-time service of local medical officers of health in five of our District Health Units. Constant changes in the staff of Public Health nurses have also made it difficult to maintain the efficiency of the work in the various health units. It is significant that in all cases District Boards of Health have determined to maintain the service to the best of their ability, and a good general programme has been carried on, which reflects great credit on the boards and the staff responsible for this work.

We estimate that 45 full-time District Health Units will be required to make this service available throughout the Province. Our programme to extend this service by the organization of six units each year for a period of six years has had to be suspended because of the impossibility of obtaining qualified medical and nursing personnel under wartime conditions. The Department proposes to go forward with this programme just as early as conditions make this possible.

The activities of our 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, public health records, general sanitation, etc.

Health Education.

The health educational work of the Department is carried on through the publication of bulletins, through articles in the press, and by means of lectures, radio talks, movies, health exhibits and demonstrations. Some 30 Departmental bulletins and pamphlets and some 80 publications issued by various organizations are distributed by the Department. During the year, 100,000 bulletins and pamphlets were distributed. The lecturer in charge of health educational work gave 79 lectures, at which the total attendance was 26,000. Of this number approximately one-third were children of school age.

Health educational service has also been carried on by the other divisions of the Department, and takes an important place in the functions of these divisions. There is a great need for the extension of our health educational work, and we hope to extend our health educational programme in the near future.

Public Health Nursing.

There are 39 nurses on the staff of the Department. 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 34 District Nurses stationed in outlying districts, remote from medical and hospital services.

During the year 1942 an additional nursing service was established by agreement between the Municipal District of Pioneer and the Department.

During the past four years, district nursing service has been provided in 21 new districts in which, prior to that time, no service of any kind was given.

In the selection of District Nurses, special consideration is given to the ability, physique, character, training and experience of the applicants. The responsibilities they are called on to assume are heavy.

There were 426 Child Hygiene Clinics held in Edmonton, Calgary, Medicine Hat, Redcliff, Drumheller and Vegreville, with a total attendanc of 15,343 infants and pre-school children.

In the following table a summary of the work of our District Nurses is shown:

No. of homes visited		No. of pre-natal visits	310
No. of office visits	22,282	No. of pre-natal consultations	1,716
No. of dressings		No. of child welfare visits	
No. of medical cases		No. of cases sent to hospital	836
No. of surgical cases			
No. of obstetrical cases		No. of inoculations	7,355
No. of abortions	44	No. of communicable disease cases	624

We have, through the years, been most fortunate in the personnel in our public health and district nursing service. The year has been marked by a great many changes in staff and it has, in many cases, been difficult to find suitable replacements. However, on the whole, the efficiency of the service has been well maintained.

Travelling Clinic.

The Travelling Clinic visited 22 centres in 1942, being in the field from May 18th to August 10th. The itinerary for 1942 included the following districts: Winfield, Minnehik, Breton, Warburg, Sangudo, Greencourt, Mayerthorpe, Campsie, Fort Assiniboine, Jarvie, Newbrook, Grassland, Plamondon, Canyon Creek, Faust, Prairie Echo, Edgehill, Tangent, Woking, Hythe, Debolt, Valleyview.

The staff consisted of a surgeon in charge, one physician, two dentists, three nurses, and two truck drivers. The clinic staff examined 3,287 children and performed 406 operations for the removal of tonsils and adenoids, as well as a number of other minor operations. There were 1,175 children vaccinated against Smallpox, 72 referred to family physicians, and 25 to hospitals for further attention.

The dentists on the Travelling Clinic staff examined 3,080 children, recommended 1,677 for dental treatment, gave dental treatment to 784, and extracted 1,795 teeth.

Owing to the short time the Clinic is in the field each year, it is only possible to include a limited number of outlying districts in the itinerary. In planning the itinerary, an effort is made to vary the areas served from year to year, in order that as many outlying districts as possible may receive the benefits of this service.

Social Hygiene.

Four clinics were conducted by the Division of Social Hygiene, one in each of the four larger cities. In addition, a clinic is held in each of the Provincial Gaols at Lethbridge and Fort Saskatchewan.

The total number of cases of diseases under treatment in all clinics in 1942 was as follows: Syphilis 492, Gonorrhoea 577, non-venereal 619, making a total of 1,688.

Educational work in connection with our venereal disease prevention programme has been carried on along much the same lines as in previous years. During the year, 61 lectures were given to approximately 14,500 persons, including 38 meetings in service camps. There is a real need for the further expansion of our educational programme, and additional personnel is required for more intensive follow-up work. In this activity, splendid co-operation has been given by the various local boards of health, the R.C.M.P., and local police authorities.

The Western Canada Conference on Venereal Disease Control, which was convened in Edmonton, October 8th and 9th, 1942, on the invitation of the Honourable Dr. Cross, Minister of Health, proved to be an outstanding event. Each of the western provinces was represented, and the discussions covered every phase of the problem. There is need for similar local conferences at regular intervals, in order that all persons concerned may be kept fully informed in regard to the nature of venereal disease problems and the most effective line of attack in solving these problems. Venereal disease is our number one public health problem.

Provincial Laboratory.

In 1942, the staff of the Provincial Laboratory made 103,304 examinations. The staff of the Laboratory has been taxed to the limit of its capacity to cope with the ever increasing volume of work. Additional laboratory space is urgently needed, as well as additional staff. A high standard of service has been provided by the staff of the Provincial Laboratory, and in order that this standard may be maintained more adequate facilities and more adequate staff are essential.

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

The vaccines and seras 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 1942, on the basis of minimum charges only, for such work is \$347,749.

All public health laboratory service is provided free of charge, with the exception of serological tests made for the Armed Services at the request of authorities of the Armed Services. This service is made available at the actual cost of the same.

Sanitary Engineering and Sanitation.

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

During the year, 2,376 reports of analyses of water, ice and milk samples were received from the Director of the Provincial Laboratory, and the steps necessary were taken to deal with the matters requiring attention.

The work of the Plumbing Inspector has been carried on as in previous years. This service meets a real need in districts in which there is no adequate local supervision of plumbing installations and repairs.

I wish to again point out the responsibility resting on local municipal authorities for the safety of water supplies. Raw water from streams, irrigation ditches and other such sources, is unsafe for human consumption. Any municipal authority permitting the use of such water is practically certain, sooner or later, to experience a serious outbreak of water-borne disease.

I wish to again call attention to the responsibility of municipal authorities in safeguarding milk supplies. Municipalities which permit the use of contaminated water supplies and the sale of unsafe milk are inviting serious trouble, and have been found negligent by the courts for their failure to exercise the necessary precautions.

There were 75 complaints and requests for investigations received from various municipalities and referred to the sanitary inspectors for attention. During the year, 55 inspections of lumber, tie, saw-mill and mining camps were made. Excellent service has been given by the sanitary inspectors, and with the extension of District Health Unit services to cover the entire Province, we will be in a position to provide a more satisfactory and complete inspection service.

Dental Hygiene.

Owing to the marked shortage of dentists, due to the number who have enlisted for war service, it has been found difficult to provide dental service to the same extent as in previous years. On the whole, however, the dental service in our institutions has been well maintained. A report of this dental work is contained in the reports of the various institutions. A summary of the work of the dentists on the staff of the Travelling Clinic will be found in the report of the Travelling Clinic.

Hospital Inspection.

In 1942, 95 approved hospitals received the Government grant. Under the provisions of The Private Hospitals Act, 59 private hospitals (largely nursing homes and baby shelters) were licensed.

The total number of operations reported by hospitals in 1942 was 44,771. The classification of these operations is shown in the report of the Hospital Inspection Division.

The 95 approved hospitals have a total bed capacity of 4,837, a total bed complement of 4,832, and in addition, 800 bassinets.

On the basis of a population of 805,152, there was one hospital bed available, including cribs and bassinets, for every 143 of our population, or 7 beds per 1,000 population.

Construction was begun on the following new hospitals in 1942: Olds Municipal Hospital, Taber Municipal Hospital, Brooks Municipal Hospital, Holy Cross Hospital, Spirit River, the Hospital of the Department of Pensions and National Health, Calgary.

The construction of additions to the following hospitals was undertaken in 1942: Calgary General Hospital, Mannville Municipal Hospital, Athabasca Municipal Hospital.

There were 25 municipal hospitals in operation in 1942, providing accommodation for 1,050 patients, including babies. During the year, 24,211 patients received treatment in the municipal hospitals, representing 21.2% of all patients under treatment in the hospitals of the Province.

A detailed statement in regard to hospital administration, covering all hospitals in receipt of the Government grant, is included in the report of the Hospital Division.

Division of Tuberculosis Control.

The number of treatment beds available for Tuberculosis remained the same as in the previous year, namely 415. Patient days for all sanatoria in 1942 totalled 146,320, as compared with 142,901 for 1941.

At the various diagnostic clinics, 4,676 examinations were made in 1942, as compared with 4,133 such examinations during the previous year.

Of 608 new cases of Tuberculosis reported in 1942, 59.7% were considered active, 34.4% inactive, and 5.9% non-pulmonary.

The 572 new cases of active and inactive Pulmonary Tuberculosis are classified as follows:

Minimal	209	36.5%
Moderately advanced	178	31.1%
Far advanced	119	20.8%
Childhood Tuberculosis	50	8.7%
Tuberculous Pleurisy with effusion	15	2.6%
Tuberculous Pleurisy without effusion	1	.1%

There were 320 patients advised to take sanatorium treatment, and 283, or 88.4%, of these were admitted.

Non-infectious cases of Tuberculosis are not admitted to sanatoria under the scheme by which free treatment is provided for all bona fide residents of the Province. As soon as it is possible to provide the accommodation required for this purpose, these noninfectious types of the disease should be admitted and cared for, as many of these patients require the highly specialized treatment which is only available in a sanatorium.

During 1942, 9,277 medical examinations were made by the medical staff of the Tuberculosis Division. There are 14 Tuberculosis clinic centres in the Province, and our travelling diagnosticians visited 33 other centres during the year.

The Edmonton Normal School was again surveyed, and Tuber-culosis surveys were also made in a number of other schools. In all school surveys, 2,797 students were tested and 287, or 10%, were found to be reactors. X-ray examinations of this group revealed two cases of Tuberculosis.

There is an urgent need for the erection of a Tuberculosis Sanatorium in Edmonton to provide accommodation for 300 patients. It is our hope that it may be possible to go forward with this project in the near future.

At the request of the Indian Affairs Branch of the Federal Government, 1,120 children in 17 Indian Residential Schools were X-rayed. All who showed abnormal X-ray films were examined. By this means, 12 new active cases of Tuberculosis were found. I would again point out that more adequate facilities for the treatment of Indian patients and a complete programme for the control of Tuberculosis among the Indian population are urgent requirements in view of the high death rate from Tuberculosis in the Indian population.

The Alberta Tuberculosis Association has again gone forward with a programme of rehabilitation of Tuberculosis patients, and has extended assistance to a number of persons in securing training and obtaining remunerative employment. There is a wide field for this type of service.

Mental Health Division.

MOVEMENT OF PATIENTS-MENTAL INSTITUTIONS, 1942

	On books, Jan. 1, 1942		Admissions, Discharges, 1942 1942		Deaths, 1942		On books, Dec. 31, 1942			
	With Psychoses	Mental Defectives Without Psychoses	With Psychoses	Mental Defectives Without Psychoses	With Psychoses	Mental Defectives Without Psychoses	With Psychoses	Mental Defectives Without Psychoses	With Psychoses	Mental Defectives Without Psychoses
Ponoka Oliver Red Deer Claresholm Raymond	1419 726 93 95	218 47 251 6 16	460 208 11 8	36 12 50	514 16 9 4	11 2 18 	57 35 3 1	3 1 6 	1308 883 92 98	240 56 277 6 16
Totals	2333	538	687	98	543	31	96	10	2381	595

This table indicates that there was an increase in the patient population in Provincial Mental Institutions of 105 during the year. On January 1st, 1942, there were 2,871 patients in all institutions, and on December 31st, 1942, 2,976. Since the Provincial Mental Hospital at Ponoka was opened to receive patients in 1911, there has been a steady yearly increase of between 5% and 6% in the patient population of Provincial Mental Institutions. During the year 1942 this increase was 3.65%.

The rate of hospitalized patients to general population has increased from 156 per 100,000 in 1921 to 370 per 100,000 in 1942.

There were 460 patients with psychoses and 36 mentally defective patients admitted to the Provincial Mental Hospital at Ponoka; 514 patients with psychoses and 11 mentally defective patients were discharged; 57 deaths of patients with psychoses and three deaths of mentally defective patients occurred during the year.

Two floors of the new building for disturbed women patients at the Provincial Mental Institute at Oliver were completed early in the year, and 59 patients were transferred from other institutions to this building during the year. This afforded some relief in the overcrowded wards for such patients at Ponoka, and it is expected that during 1943 we will be in a position to transfer additional patients.

The erection of one-storey buildings of the pavilion type to provide accommodation for quiet, senile patients would provide very satisfactory accommodation for such patients, and would further serve to relieve the pressure on Ponoka. Such pavilions could be constructed at a very reasonable cost, and the patients accommodated in such pavilions could be cared for at a much lower cost than in the main institution. It is estimated that there are approximately 300 patients for which pavilion accommodation would be suitable in the Ponoka and Oliver Mental Hospitals at the present time.

We have now accommodation for 282 patients at the Provincial Training School for Mental Defectives at Red Deer, divided as follows:

Infirmary type—mostly bedridden cripples Low grades—custodial types for whom everything has to be done. Kindergarten and grade school children	54	beds beds beds
Full-time "helpers"—unable to do useful work, but able to dress and feed themselves		beds
Full-time "workers"—able to do useful work in varying degrees under proper supervision. The majority are imbeciles	70	beds

During the year 50 patients were admitted to the Training School, 15 were discharged, three transferred, and six deaths occurred. In view of the number of urgent cases on the waiting list, additional accommodation is required for mentally defective patients, and this question is the subject of inquiry at the present time.

There were 773 patients in the Provincial Mental Institute, Oliver, at the beginning of 1942, and 939 at the end of the year. During the year, 208 patients with psychoses and 12 mentally defective patients were admitted; 16 patients with psychoses and two mentally defective patients were discharged; 35 deaths of patients with psychoses and one death of a mentally defective patient occurred during the year. Of the 220 patients admitted to Oliver during the year, 129 were patients transferred from the Provincial Mental Hospital at Ponoka.

The Auxiliary Mental Hospital at Claresholm provides accommodation for 100 women. There were 99 patients in this institution at the beginning of the year and 98 at the end of the year. There were 11 admissions, nine discharges, and three deaths during the year.

In the Auxiliary Mental Hospital at Raymond there were 111 women patients on January 1st, 1942, and 114 at the end of the year. During the year, eight patients were admitted, four discharged, and one death occurred.

Guidance Clinics.

Guidance Clinics were conducted, as in previous years, in Edmonton, Calgary, Lethbridge, Medicine Hat, Drumheller, High River, Red Deer, Lamont, Stettler, Didsbury and Legal. A new clinic centre was established at Holden in 1942.

Patients are referred to the Guidance Clinics by local health and school authorities, local physicians, magistrates, welfare and other agencies. Parents frequently visit these clinics for the purpose of obtaining information and advice in regard to mental hygiene problems in which they are concerned in the home and community. This is a most important service, and one which the Department plans to expand as soon as the funds and personnel required for this purpose are available.

During 1942, an earnest effort was made to hold as many Guidance Clinics as possible, but the shortage of medical staff and social workers, due to the war, made it necessary to curtail this service. Great credit is due to the physicians and social workers engaged in this work who are doing their utmost with a reduced staff to maintain this very valuable service.

During the year, 70 Guidance Clinics were conducted, 310 new cases were presented, and 1,272 follow-up cases were dealt with. Since the inception of this service in 1929, 4,761 cases have been examined by the clinic staff.

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 1942. During the year, 98 cases were presented for the consideration of the Board. Since The Sexual Sterilization Act was proclaimed in 1929, 1,790 cases have been presented to and approved by the Board. Fifty-two operations were performed during the year, bringing the total number of operations performed to the end of 1942 to 857, of which 339 were operations on male patients and 518 on female patients.

The Department is very appreciative of the time and attention given by the members of the Eugenics Board in the discharge of their responsibilities.

Detailed information in regard to the work of the mental institutions, Guidance Clinics and the Eugenics Board will be found in the reports of these services.

Board of Visitors.

The Board of Visitors, composed of Dr. J. M. MacEachran, Chairman, Dr. E. W. Pope, Dr. E. G. Mason, and Mrs. J. W. Field, visited the following institutions during the week beginning October 19th: 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 each of the institutions which they visited. The Department desires to express to the members of the Board its sincere appreciation of the service rendered by the Board of Visitors in this connection.

Child Welfare.

Under the provisions of The Child Welfare Act, any child declared by a judge of the Juvenile Court to be a neglected child is made a ward of the Superintendent of Child Welfare.

In 1942, 543 children were declared permanent wards, as compared with 437 in the previous year.

Juvenile Delinquents.

The Juvenile Court dealt with 912 cases in 1942, as compared with 1,196 cases in the previous year.

Detailed information concerning the work of the Child Welfare Branch will be found in the report of that branch.

General Administration.

A statement of revenue and expenditure for the year ended March 31st, 1943, will be found on page 11 of this report. An analysis of this statement shows that the total expenditure for all activities of the Department was \$2,306,843.63. The expenditure for the Child Welfare Branch amounted to \$75,963.82. The balance, namely, \$2,230,879.81, is the amount expended in carrying on the usual activities of the Department. Of the latter sum, approximately \$1,943,399.00 were expended for the maintenance and operation of the various institutions which come under the administration of the Department, for grants to hospitals and homes, and for other forms of what might be termed treatment services. Approximately

\$287,000.00, representing 12% of the total budget of the Department, excluding the amounts expended for Child Welfare, were expended for all other activities, including Communicable Disease Control, Vital Statistics, Public Health Nursing, District Health Units, Clinic Services, General Administration, and all other preventive services. Out of every dollar expended by the Department in 1942, approximately 12 cents were expended for preventive health activities. There is an urgent need for the expansion of preventive health services, particularly in our rural districts and smaller urban centres, as early as the funds required for this purpose can be provided. No expenditure will give larger returns.

In bringing this summary of the activities of the Department during the year 1942 to a conclusion, I desire to express my sincere appreciation of the fine co-operation and splendid service given by the directors and members of the staff of all divisions, including the superintendents of Provincial institutions and members of institutional staffs, which come under the jurisdiction of the Department. Owing to the frequent changes in staff and the impossibility of finding adequate numbers of replacements, very difficult problems in administration have arisen, more especially in our Provincial institutions. In spite of these difficulties, an earnest effort has been made in all divisions of the Department to maintain the efficiency of the service.

All of which is 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)

The Division of Communicable Diseases is responsible for prevention and control of communicable diseases throughout the whole Province. In organized territories it is responsible for supervision of this work, while in the unorganized territories of the Province it assumes direct responsibility.

The Division acts in an advisory capacity to the local Boards of Health and provides them with information in a weekly report as to the current trends in communicable diseases. A weekly report is also transmitted to the Dominion Bureau of Vital Statistics.

Educational work regarding communicable diseases is done through this Division as well as through the Division of Health Education. Pamphlets, moving pictures, radio addresses and the public press are all used in this work.

An immunization programme is carried on throughout the Province mainly by the local Boards of Health. The materials used in this work are provided free of charge by the Provincial Department of Public Health. In addition to supplying, the materials, in certain outlying areas, the work is actually done by employees of this department in the persons of the provincial inoculator or by the provincial district nurses. The following number of individuals were known to have protective inoculations in 1942:

	Smallpox	Diphtheria	Whooping Cough	Scarlet
Edmonton Calgary	3,889 314	3.412 2.282	292 104	575 128
Rural Health District Provincial Inoculation	10,111 2,119	10.316 1.982	1,700	10,077
Provincial Nurses *Private Doctors	4,699 10,634	3,159 965	154 1,089	1,273 14,447
Total	31,766	22,116	3,339	26,500

^{*}Figures for Private Doctors are estimates based on inoculation material supplied.

It is interesting to note from the above table that in proportion to population, the rural health districts are the best protected parts of the Province.

The total number protected in the Province during 1942 was approximately 150% of the births of that year.

In a small section of our Province where Rocky Mountain Spotted Fever is endemic, the Province provides for the inoculation of individuals who are likely to contract the disease by contact with ticks.

Typhoid Fever (Cases 18, Deaths 1)

This year has again seen a reduction in the number of cases and deaths from this disease. One might even hope to see in the near future a year without any deaths, and even before long a year in which we have no cases. These cases were scattered as to time and place, except a group of three cases which occurred on an Indian Reserve in the north-eastern portion of the Province. No typhoid carriers were discovered.

Nine cases of paratyphoid B were reported, which is the lowest figure in the history of the Province.

Scarlet Fever (Cases 2,265, Deaths 11)

The year 1942 showed more scarlet fever cases than in any year since 1936. It is pleasing to report that the cases were of a mild type, although there is considerable evidence to suggest that the complications of this disease still leave a large number of victims with mastoid operations, defective hearing and damaged kidneys.

SMALLPOX

(Cases 1, Deaths 0)

In 1940 there were no cases of smallpox in the Province, and only one cases in 1941 and in 1942. A single case of smallpox in a population the size of Alberta makes one think of the possibility that there has been a mistake in diagnosis.

DIPHTHERIA

(Cases 58, Deaths 11)

There were 58 cases, too many of this very serious but very preventable disease. Calgary, with 11% of the population, had 17 cases or 29%, and Edmonton with 12% of population had seven cases or 12% of the cases. The rural districts had a low incidence of diphtheria.

Pulmonary Tuberculosis (Cases 569, Deaths 214)

Of these deaths, 100 were Indians. Pulmonary Tuberculosis still continues to ze the most serious of our communicable diseases. More information is supplied in the report of the Division of Tuberculosis Control.

WHOOPING COUGH (Cases 1,131, Deaths 12)

The year 1942 was an epidemic year for whooping cough. In Alberta these epidemic years usually appear two years at a time and about five years apart. This was the first year in which much use was made of the improved type of vaccine now available in the Province. Only small quantities of it have been used as yet.

Whooping cough is a serious disease, both from the point of view of deaths and because of the serious damage caused.

MEASLES

(Cases 1,459, Deaths 2)

Measles is one of the most common of diseases. This year's figures are the lowest in many years.

Acute Anterior Poliomyelitis (Cases 8, Deaths 0)

With the exception of 1940, this is the lowest polio year for many years. There is no apparent rhythm in the epidemics of this disease in this Province, so one would hesitate to forecast the future. It is interesting to observe that American authorities are reporting that a milder type of this disease is now prevalent in the United State. This was strongly suggested in the Alberta figures for 1941.

TABLE No. 1

COMMUNICABLE DISEASE CASES AS REPORTED FOR 1941 AND 1942

	1941	1942		1941	1942
Actinomycosis	1	1	Rocky Mountain Spotted Fever		1
Acute Anterior Poliomyelitis	166	8	Rubella	6633	1044
Acute Septic Sore Throat	24	32	Scarlet Fever		2265
		1948	Smallpox	1	1
Diphtheria	31	58	T.B. Meningitis	4	6
Encephalitis	32	1	Pulmonary Tuberculosis	583	569
Erysipelas	59	43	Non-pulmonary Tuberculosis		24
Measles	6274	1459	Trachoma	1	- 1
Meningococcic Meningitis	80	25	Tularaemia	1	4
Mumps	or or in the	4191	Typhoid Fever	33	18
Ophthalmia Neonatrium		1111	Uudulant Fever	6	2
Paratyphoid Fever	15	7	Whooping Cough	364	1131

TABLE 2

TOTAL DEATHS DUE TO COMMUNICABLE DISEASES IN THE PROVINCE OF ALBERTA FOR 1941 AND 1942

	1941	1942		1941	1942
Pneumonia (all forms)	374	335	Diphtheria	6	11
Influenza (all forms)	176	75	Meningococcic Meningitis	6	5
Pulmonary Tuberculosis		214	Typhoid Fever	5	1
Tuberculosis (all other forms)	75	57	Acute Anterior Poliomyelitis		
Erysipelas		6	Measles	30	2
Scarlet Fever		11	Rubella	1	
Encephalitis Lethargica		4	Mumps	1	****
Whooping Cough	23	12			

TABLE 3

DEATHS DUE TO COMMUNICABLE DISEASES IN THE CITIES OF EDMONTON AND CALGARY FOR 1941 AND 1942

	Edme	onton	Calgary		
	1941	1942	1941	1942	
Pneumonia (all forms)	61	57	44	45	
Influenza(all forms)	12	6	8	6	
Pulmonary Tuberculosis	54	48	6	8	
Tuberculosis (all other forms	17	14	4	6	
Diphtheria	2	2	2	5	
Whooping Cough		3		1	
Acute Anterior Poliomyelitis	4				
Meningococcic Meningitis	3	2	2	1	
Typhoid Fever	2				
Erysipelas	1	1			
Scarlet Fever	2	2	****	1	
Encephalitis Lethargica	4	1	2	1	
Measles			2	1	

TABLE 4

DEATHS DUE TO COMMUNICABLE DISEASES IN THE SMALLER CITIES, TOWNS. VILLAGES AND RURAL DISTRICTS FOR THE YEARS 1941 AND 1942

	1941	1942		1941	1942
Pneumonia (all forms)	179	152	Meningococcic Meningitis	1	2
Influenza (all forms)	117	53	Erysipelas	2	5
Pulmonary Tuberculosis	77	58	Typhoid Fever	3	1
Tuberculosis (all other forms)	12	51	Scarlet Fever	4	8
Diphtheria	2	4	Encephalitis Lethargica	1	2
Whooping Cough	5	5	Measles	17	*****
Acute Anterior Poliomyelitis	4		Rubella	1	

TABLE 5

DEATHS DUE TO COMMUNICABLE DISEASES AMONG INDIANS IN THE PROVINCE FOR 1941 AND 1942

	1941	1942		1941	1942
Pneumonia (all forms)	90	81	Typhoid Fever	1019	
Influenza (all forms)		10	Measles	11	1
Pulmonary Tuberculosis	117	100	Diphtheria	dian's	
Tuberculosis (all other forms)	42	29	Erysipelas		
Whooping Cough	18	3			

TABLE 6

	Total	Total	Morbidity	Mortality	Case Fatality Rate
Acute Anterior Poliomyelitis	8		1.0		
Cerebro-Spinal Meningitis	25	5	3.1	0.6	20.0
Chickenpox	1.948		243.0		2010
Diphtheria	58	11	7.3	1.4	18.9
Diphtheria Carriers	8		1.0		2010
Encephalitis	1	4	210	0.5	
Erysipelas	43	6	5.4	0.7	13.9
Influenza	N.R.	75		9.3	
Mumps	927		116.0		
Measles	1.459	2	183.0	0.2	0.1
Pneumonia (all forms)	N.R.	335		41.6	
Pulmonary Tuberculosis	569	214	71.0	26.4	37.8
Pulmonary Tuberculosis (Indians excepted).	N.R.	114		14.1	
Non-Pulmonary Tuberculosis (Indians ex-	24	57	3.0	7.1	
cepted)	N.R.	28		3.5	****
Scarlet Fever	2.265	11	284.0	1.4	0.5
Typhoid Fever	18	1	2.3	0.1	5.6
Paratyphoid Fever B	7	-	0.9		
Whooping Cough	1 131	12	141.0	1.5	1.1
Rubella	1.044	1	131.0	1.0	4-1
	21022		202.0	****	

N.R.—Not reported or incompletely reported.

INCIDENCE OF SOME OF THE MORE SERIOUS COMMUNICABLE DISEASES FOR THE 10-YEAR PERIOD, 1933-1942

DIPHTHERIA

			Total	Total	Morbidity	Mortality
		Population	Cases	Deaths	Rate	Rate
1933		757,000	32	6	4.23	.79
1934		769,000	31	8	4.00	1.00
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
		790,000	20	7	4.5	0.0
1939	MARKET STATE OF THE PARTY OF TH	705,000	50	10	0.40	1.5
1940		795,000	52	14	0.42	1.5
1941		796,169	31	6	3.9	0.8
1942		805,152	58	11	7.3	1.4
		TYPHOID	FEVER			
1933		757,000	46	6	6.0	.79
1934		769,000	57	7	7.4	.90
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		700,000	44	6	5.6	70
		705,000	99		3.0	.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

ACUTE ANTERIOR POLIOMYELITIS

		Population	Cases	Total Deaths	Morbidity Rate	Mortality Rate
1933		757,000	31	7	4.1	0.9
1934		769.000	12	4	1.6	0.5
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		0.0
1941		796.169	167	8	20.9	1.0
1942		805.152	8		1.0	1.0
		WHOOPING	COUGH			
1933		757,000	1.830	55	241.7	7.2
1934		769,000	1 200	52	167.5	6.7
1935		770,000	763	43	99.0	6.0
1936		772 782	1 793	73	232.0	9.0
1937		778.000	659	49	84 57	6.3
1938		799 000	210	30	30.6	3.8
1939		700,000	2.000	33	00.0	4.9
-		789,000	2,080		200.0 45.7	7.0
1940		795,000	1,158	55	40.7	7.0
1941		796,169	364	23	13.8	2.9
1942		805,152	1,131	12	141.0	1.5

DEPARTMENT OF PUBLIC HEALTH

	SCARLE	r FEVER			
1933 1934	 757,000 769,000	216 378	5	28.5 49.1	0.6
1935 1936 1937	 770,000 772,782 778,000	2,729 2,123	8 23 24	353.0 272.9	3.0 3.08
1938 1939 1940	 783,000 789,000	1,452 1,113	25 19 9	185.0 141.0	3.2 2.4
1941 1942	 796,169 805,152	792 2,265	6 11	101.0 286.0	0.8
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1935 1936	 770,000 772,782	4 56	1	0.5 7.0	0.1
1937 1938 1939	 778,000 783,000 789,000	57 34 45	1	7.3 4.3 5.7	0.1
1940 1941	 795,000 796,169	1	****	0.1	
1942	 805,152	1	1111	0.1	

CLASS OF COMMUNICABLE DISEASES REPORTED IN 1942

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UBERCULOSIS

	Sex	×						MONTHS	THS									AGES	100			-	
1942	Male	Lemale	.net	Feb.	Mar.	April	May	əunr	Amr	-guA	Sept.	Oct.	.vov	Dec.	I-0	\$-I	PI-9	15-24	52-44	69-94	19V0-00	Stated	TOTAL
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Division of Health Education

(F. T. Cook, Lecturer)

The growing interest in health education during recent years was again apparent in 1942. The increasing amount of correspondence on this phase of public health corresponds with that reported by Departments of Health in other Provinces and States.

The distribution of literature has increased year by year, till in 1942 well over 100,000 pieces were either mailed or given out from the office. It is the practice of many of the teachers in the Edmonton schools to send their pupils to the office for literature. In many cases the teachers come themselves. Six bulletins have been specially prepared to meet the requirements of the intermediate grades' health educational course of studies. As in previous years, many requests came in from other Provinces, chiefly from schools, for our literature. If the amounts distributed by health units and other recognized health organizations are added, the total number of pieces of health literature distributed in Alberta each year would amount to well over 200,000.

Due to the fact that the Air Force took over the buildings at the Edmonton Exhibition Grounds, no exhibit was held at the Annual Exhibition. This makes the first break in well over twenty years that exhibits have been shown on this occasion.

Following the organization of the Alberta Council on Nutrition, in January, stocks of literature on nutrition were received from Nutrition Services at Ottawa, and distributed through this office. The Department was made the official clearing house for all the publications put out by Nutrition Services. Literature was sent out to all organized groups, and as supplies were increased, samples were included in all packages of literature sent to schools.

The radio programme over CKUA was carried on as in previous years, from the middle of October to the middle of May. There is one fifteen-minute talk each week, on Wednesdays at 4:30 p.m.

The official lecturer of the Department held a total of 79 meetings during the year, at which there was a total audience of 25,500 people. Of these meetings, 61 were held at the various Service Camps, with a total attendance of 14,500. Of the 11,000 other than Service men and women, approximately two-thirds were of school age.

Hospital Inspection Branch and Medical Inspectors' Report

(A. Somerville, B.A., M.D., D.P.H., Inspector of Hospitals)

This Branch of the Department of Public Health supervises the professional work and facilities in the approved hospitals, private hospitals and such baby shelters as are licensed. Contact was maintained throughout the year by correspondence and an inspection was made of many of these institutions. A number of our hospitals are so isolated that they are rarely inspected.

APPROVED HOSPITALS

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Iniversity Hospital

Those classified as "Municipal" are operating under The Municipal Hospital Act, those called "Municipally operated" are owned and operated by the local city, town or municipality, or a group of these under a special Provincial Act, while those called "community" are operated by a local committee which appeals to the entire community for support.

Only two hospitals operate under the direction of a full-time medical superintendent, and only about one-third of them have a nursing superintendent who has any special training for the work. In addition to the problem of lack of training, many nursing superintendents are seriously overloaded with responsibility in that they not only supervise the nursing service, but probably do some of the routine work. They act as housekeepers and purchasing agents, they supervise the records and act as collecting agents for accounts, and may be required to act as operating room nurses, X-ray technicians, do the laboratory work and perhaps act as anaesthetists.

This difficulty is mainly due to the small size of many of our hospitals so that specialists in the various branches of nursing cannot be hired. At the present moment there is an increase in the tendency of small communities to provide a hospital for the very laudable purpose of holding a doctor in the district. While one appreciates the desirability of retaining doctors in the smaller communities, it is undesirable to have too many small hospitals. Larger hospitals with more and better equipment and with a minimum of, say, three doctors, will give a better service to the community. This is particularly true with the steadily improving road conditions in the Province.

The following table will give some idea of the size of Alberta hospitals:

0- 20 beds	18	hospitals
21- 40 beds	37	hospitals
41- 60 beds	18	hospitals
61- 80 beds		hospitals
81-100 beds		hospitals
Over 100 beds		hospitals

War conditions have created new and difficult problems in the administration of hospital services. It is well known that there is a shortage of nurses and of other help needed in hospitals, but there has also been a shortage of special hospital equipment and ordinary food supplies. The Dominion authorities have not yet seen fit to make arrangements for the adequate provision of needed materials to our hospitals.

The services available through a few of the smaller hospitals were reduced for a time by the shortage of doctors, with the result that four hospitals did operate for a short time giving the service that was possible to the local community, although there was no local doctor available.

The tendency to the municipalization of our hospitals has continued. A new municipal hospital district was established at Magrath, and votes were passed for the establishment of new municipal hospital districts at Taber, Brooks and Olds, where buildings were started although the hospitals did not come into operation in 1942. Forty hospitals are now operating in the Province under The Municipal Hospital Act, or are being operated by municipal authorities under some other Act.

During 1942, almost 100 beds were added to the approved hospital facilities in the Province. This increase in hospital beds is an economic asset to the community, as is borne out by the following figures:

MATERNAL MORTALITY-ALBERTA, 1937-1941

	In Ap	pproved H	ospitals	Not in	a Approved	i Hospitals
Year	Live Births	Maternal Deaths	Maternal Mortality Rate	Live Births	Maternal Deaths	Maternal Mortality Rate
1937	9,949	30	3.0	5,954	47	7.9
1938	10,576	28	2.7	5,315	40	7.5
1939	11,398	24	2.1	5,072	35	6.9
1940	12,420	22	1.8	4.939	47	9.5
1941	13,252	26	2.0	4.056	28	6.9
		-	-	-	-	-
Total	57,595	130	2.3	25,336	197	7.8

From this table it is apparent that the maternal death rate is more than three times as high when the confinement takes place outside an approved hospital. If one transfers the mortality rates, it becomes apparent that hospitalization has saved 317 mothers in the past five years, and a further 126 lives might have been saved by placing the other cases in hospital for their confinement. One should realize that for each life lost in this way there are several more whose physical abilities have been more or less seriously reduced by the conditions which did not quite cause a death.

PRIVATE HOSPITALS

There were 34 licensed private hospitals in the Province in 1942, which were licensed as follows:

Chronic and Convalescent Chronic, Convalescent, Obstetrical Obstetrical	
Medical and Obstetrical Medical and Surgical	1 5
Medical, Obstetrical, Minor Surgery	5
	24

Most of these hospitals are very small, the total bed capacity being 198, or an average of six beds per hospital. Most of them are one, two and three bed nursing homes used in outlying communities. The larger ones are used for the care of incurable bed-ridden patients. Twelve of these homes with a total of 111 beds are in Calgary. Seven of them are operated by doctors for their private cases, most of these being in the smaller mining communities.

BABY SHELTERS

In 1942, there were 25 baby shelters that operated under a Provincial license. These are inspected regularly by the Provincial Public Health Nurses, and are only seen by the Medical Inspector of Hospitals on rare occasions when some special problem comes up.

A number of other shelters are operated by the Child Welfare Branch which do not come under the supervision of the Department of Health.

SURGICAL WORK PERFORMED IN HOSPITALS IN ALBERTA, 1942

	Jo				of		
	Approved Hospitals Exclusive Municipal	Municipal Hospitals	als		Approved Hospitals Exclusive Municipal	pal	als
	pproved ospitals xclusive unicipa	nici	Private		spit spit	Municipal Hospitals	Private Hospitals
	AEX M	Mu	Pri		Mukk	Mu	Pri
GENERAL:				Manipulation	408	70	
Abscess		84	****	Mastectomy	113	11	
Adenectomy		2	1	Nephrectomy Nephrotomy	10	3	
Adhesions Amputation		9 56	7	Neurectomy	16	100	2752
Appendectomy	5880	1188	76	Orchidectomy	. 36	1	
Arthrodesis	35		2	Osteoplasty		****	
Aspiration	547	86	4	Paralysis		4	
Bladder Bone Graft	18	2	****	Phlebectomy	45	1	2000
Bone Plating	10	5	1000	Plaster Cast	1465	178	
Bowel	11	3	1111	Plastic			2000
Bronchoscopy	15	1212	****	Preumothorax Proctoscopy		14	
Burns	20	1	1000	Prostatectomy		17	****
Burns Cancer			****	Puncture	. 61	8	****
Carbuncle	12	5		Pyloroplasty	. 23	3	
Cauterization	49	13	****	Removal Repair	. 821 . 569	120 227	
Cecopexy	11	4111	1114	Resection		13	2
Cholecystectomy	495	73	2	Sequestrectomy		5	****
Circumcision	585	172	8	Sigmoidoscopy	. 48	2	****
Colostomy	80	8		Skin Graft	. 77	14	Proper.
Craniotomy	25			Splenectomy Suturing	770	204	****
Curetting		21	****	Sympathectomy	. 1	204	****
Cystectomy		60	4	Synovectomy		1	
Cystoscopy		28	****	Tenoplasty	. 45	2	1
Cystotomy	115	5		Tenotomy	. 14	****	
Decompression			1110	Thoracotomy Thyroidectomy		38	4
Dilatation		12 17	4010	Transfusion		36	
Dislocation Enterectomy	5	1	1000	Tumor	. 101	14	
Epididymotomy	6			T.B.	. 16	2	****
Evulsion Nail	49	6		Urethrotomy Varicocele	. 6		
Examination	418	39		Vasectomy		3	
Excision Extraction Teeth		81 170	5	Wounds		18	
Fasciotomy	2	110					
Fistula	50	4	1	OBSTETRICS AND GYNAI			
Foreign Body		5		Abortion		14	****
Fracture Fulguration		280	3	Adhesions Cervix	. 54	9	1
Gastrectomy		8	****	Caesarean Section	98	9	
Gastroenterostomy	84	8	1111	Cauterization		44	4
Gastrostomy	12	2	****	Colporrhaphy		5	****
Hammer Toe		2	****	Colpotomy Curettage		175	3
Hemorrhoidectomy	352	61	3	Dilatation	719	78	2
Herniotomy	984	181	6	Examination	. 147	21	
Hydrocele	55	10	****	Hysterectomy	. 336	60	
Ileocolostomy Incision	890	200	2	Induction Labor Insertion Radium	109	75	****
Injection		62		Oophorectomy	. 147	9	****
Intussesception				Ovariotomy	. 11	6	****
Jejunostomy	27	1		Panhysterectomy	. 2		
Laminectomy		100		Perineorrhaphy		25	
Ligation		106 72	3 5	Plastic Genital Polyp		2 2	****
Lithotomy		2		Salpingectomy	190	10	1
Lobectomy				Salpingo-Oophorectomy .		2	1

Approved Hospitals	Exclusive of Municipal	Municipal Hospitals	Private Hospitals		Approved Hospitals Exclusive of	Municipal Hospitals	Private Hospitals
Sterilization	47	10		Iridectomy			
	106	39		Laryngoscopy			****
Trachelorrhaphy	24	1		Mastoidectomy	. 73	3	
Uterus	56	14		Myomectomy			
				Myringotomy		2	****
EYE, EAR, NOSE & THROAT	1			Otitis Media			
Abscess	1			Paracentesis		16	
Adenoidectomy	73	9	2	Plastic Eye		2	
Antrum	7			Polypi		3	
Service Control of the Control of th	18			Pterygium		3	
Cautery	12			Sinus		- 1	
Dacryocystectomy	5			Submucous Resection	. 4	200	****
Dilatation	1	4111	1999	Suturing		3	1111
Enucleation Eye	60	1		Tenotomy		400	
Esophagoscopy	4	4110	4111	Tonsillectomy		822	73
Ethmoidectomy	10			Tracheotomy		2	****
Examination	36	1111	4000	Turbinectomy			1000
Excision	8			T. & A's	4411	1126	7
Foreign Body	29	2					
	Iunic	ipal					772 696 243
Total						44,	771
In addition to the operations were perfor				classified above, travelling Clinic:	the f	ollov	ving
Tonsils and Adenoid	s				40	16	
Circumcisions						9	
Strippings					13	18	

Report of the Provincial Laboratory

Allan C. Rankin, C.M.G., M.D., D.P.H., Director Provincial Laboratory and Provincial Bacteriologist (On Active Service)

(John James Ower, B.A., M.D., C.M., Acting Director Provincial Laboratory)

(Robert McLeod Shaw, B.A., M.D., C.M., D.P.H., F.R.C.P., Acting Provincial Basteriologist)

The following is a report of the work performed in the Provincial Laboratory during the year 1942. The details are completed in the appended statistical statement and show an appreciable increase in the total, roughly about 25% over the previous year.

The nature of the material handled does not vary materially from year to year, the bulk of the work being fundamentally related to the incidence of infectious diseases in the Province, the balance being associated with the teaching needs of the bacteriological and pathological departments of the Faculty of Medicine.

During the year the number of cases of Diphtheria reported was somewhat greater than in 1941, and this resulted in the doubling of the diagnostic tests for this disease.

The greater control of Tuberculosis and the presence of only a few sporadic cases of Typhoid Fever keep the routine examinations for these conditions more or less on a level, a considerable portion of the service in regard to the latter diseases being the large number of analyses of waters carried out in conjunction with the Provincial Analyst. The establishment of numerous military camps since the beginning of the war has more than doubled this routine. The cyclic increase in wild rabbits during the past two years has augmented the number of cases of Tularemia, and as a result the tests for this infectious disease have continued to be more numerous during this period.

The suspension, once again at our request, of Section 46 of The Provincial Health Regulations has resulted in an appreciable drop in the number of pathological specimens from hospitals throughout the Province, but enough remain to make this service still very heavy.

A great demand has developed for the Ascheim-Zondek test for pregnancy, but although the number of these tests performed during the year increased 30%, they have had to be rigidly restricted as a result of difficulties arising from limited accommodation for and an acute scarcity of experimental animals.

The main increase in the volume of work for the year, as in 1941, affected the serological department and was directly due to the needs of the military authorities as the result of the increasing enlistment and maintenance of large armed forces within the Province. The serological tests for Syphilis constitute the major portion of the routine, and reached the high mark of 71,500 as compared to 40,500 during the previous years, an increase of over 40%. The great quantity of this work necessitated an invasion of the

teaching space on the second floor of the Medical Building for necessary working space.

Lack of help, both tecthnical and non-technical, constantly changing sub-staff, scarcity of certain supplies and other abnormal conditions have tended to affect adversely attempts to maintain as efficient a service as could be desired. It is to be recorded, however, that in spite of a variety of difficulties, the staff have at all times responded cheerfully, applying themselves diligently to the work which at the present time involves considerable unrewarded overtime.

Following are the tables noted above.

TABLE No. 1

WORK PERFORMED IN THE PROVINCIAL LABORATORY DURING THE YEAR 1942

	Total 1941	Total 1942	Increase	Decrease
Sputum	622	651	29	
Diphtheria	1.435	2.289	854	********
Typhoid Fever	593	437		156
Milks	1.399	1.108		291
	2.687	3.171	484	*******
Waters Miscellaneous Examinations	3.700	3.750	50	*******
Mother's Milk	2	1		1
	406	95		311
Urinalysis Medico-Legal Examinations (Blood, seminal,	100	-		
	6	5		1
etc.) Bloods for the Wassermann Test	40,475	30.851		9.624
Bloods for the Wassermann Test		40.611	40.611	
Bloods for the Kahn Test Smears for the Gonococcus	8.281	7.317	40,022	964
Van Den Bergh Determination	2.080	1.511		569
Pathological Histological Material	9.638	6.243		3.395
Blood Smear Examinations	105	124	19	
and the same of th	251	201		50
	21	24	3	
Medico-Legal P.M. Examinations	248	314	66	
Aschiem Zondek Examinations		18	18	
Comparative Series	2.278	2.099		179
Cerebro-Spinal Fluid Examinations	127	52		75
Bacteriological Post_mortem Examinations	593	436		157
B. Abortus Examinations	593	436		157
B. Tularensis Examinations	2.311	1.560	********	751
Cattle Blood Examinations	739	492		247
Typhoid Vaccine (10 c.c. quantity)	23	10		13
Aptogenous Vaccine (25 c.c. quantity)	7	11	4	
Stock Vaccine (25 c.c. quantity)		**		
Poliomyelitis Convalescent Serum (20 c.c. quantity)	151	12		139
	78,771	103,829	42,138	17,080

Table No. 2 shows the number of water and milk, special and blood containers prepared and distributed during the year 1942:

Water Containers Special Containers (Diphtheria, Sputum, Typhoid) Wassermann Containers	1941 2.387 3.127 33,340	1942 3,000 3,167 42,431
Total	38,854	49,048

Table No. 3 shows the number of cubic centimeters of autogenous and other vaccines prepared and distributed during the year 1942:

Typhoid Vaccine Autogenous Vaccine Stock Vaccine Poliomyelitis Convalescent Serum	175 c.c.	4,920 c.c. 250 c.c. 275 c.c. 240 c.c.
Total	11,160 c.c.	5,685 c.c.

Decrease in the preparation and distribution of Vaccines and Serums-5.475 c.c.

Table No. 4 shows the detail of some of the work done by the Laboratory in relation to the control of infectious diseases during the year 1942:

				TABLE	E No. 4	1				
Diseases	Spec	o. of imens Nega- tives		No. of Physi- cians	Mon	ith.	Sputum.	Diph.	Typhoid Fever.	Total.
					Jan.		55	107	40	202
					Feb.		61	119	46	226
Pulmonary					Mar.		66	189	38	293
Tuberculosis	60	591	*****		Apr.		64	98	32	194
					May		70	568	29	667
Diphtheria	76	2213			June		53	229	50	332
					July	marine.	83	205	26	314
Typhoid Fever	77	360			Aug.		43	110	28	181
					Sept.		28	130	38	196
			211		Oct.		48	180	55	283
					Nov.		35	93	22	150
				*500	Dec.		45	261	33	339
Tota	1						651	2289	437	3377
datamakan of a	-landal		11-4	and describe	Al	*****	1040 75			

*Number of physicians who enlisted during the year 1942—75.

Table No. 5 shows the number of blood examinations by serological tests for the diagnosis of Syphilis during the year 1942:

TABLE No. 5	
Wassermanns—	20 051
Bloods examined Bloods positive to reaction	30,851 2,738
Bloods positive to reaction	27.157
Bloods negative to reaction Bloods unsuitable for examination (N.S.Q., A.C., Haem., Accidentally broken)	956
Standard Kahns—	
Bloods examined	40,611
Bloods positive to reaction	2,322
Bloods negative to reaction Bloods unsuitable for examination (N.S.Q., A.C., Haem., Accident-	35,878
ally broken)	947
Bloods giving doubtful reaction	624
Presumptive Kahns— Bloods examined	
Bloods broken in transit—149	
Number of bloods examined in 1941	39.796
Number of bloods examined in 1942	64,124
Increase in number of specimens examined Increase in per cent	24.328 26.4%
TABLE No. 6	
DEDONE OF WORK POLICE FOR THE PROPERTY OF THE	

TABLE No. 6 REPORT OF WORK DONE FOR MILITARY AUTHORITIES, 1942 NUMBER OF EXAMINATIONS

	Airforce	Army	Red Deer	Vermilion	Camrose	Gr. Prairie	Navy	U.S. Army	Total
Milks	5	4	2						11
Waters: Post	276	48	1		7			33	365
Cham	153	10	-		100	2111		8	171
Concount C.C.	129	37		9	2000	2000	2000		170
				4		1111	****	2	170
T.B. Exams	10	14	2			-		2	28
Widals	11	10		1010	1111	1000		1110	21
Urines	3	1000			4000		1	7	11
Misc. Bact.	69	96	22		4		6	6	203
Throat Swabs	408	51	17		2				478
Wassermanns	1.580	2.473	590		26	1	110	101	4 991
Volume	23,304	1.032	273	1,500	16	1	50	523	25.199
Doth Cassimons	13	1,002	210	.000	10	1	50	020	20,199
Ascheim Zondek	10			1111		****	1010	1	14
	1	2	4110	- 2000		****	****	****	9
Blood Smears	1	1	****	1111	****	****	****	2011	2
Post-mortems	****	2	-	****	1111	****			2
		То	tal						31,565

Table No. 7 gives the details of the bacteriological and chemical examinations of water performed throughout the year 1942:

TABLE No. 7		
Waters	1941	1942
Number of samples of water examined bacteriologically and found fit for human consumption	1,614	1,740
Number of samples of water examined bacteriologically and found unfit for human consumption	374	352
Number of samples of water examined bacteriologically and chemi- cally and found fit for human consumption	347	417
Number of samples of water examined bacteriologically and chemi- cally and found unfit for human consumption	173	199
Number of samples of water examined chemically and found fit for human consumption	130	323
Number of samples of water examined chemically and found unfit for human consumption	30	127
Number of samples of ice examined bacteriologically and found fit for human consumption	19	13
Number of samples of ice examined bacteriologically and found unfit for human consumption	****	
Total	2,687	3,171

Table No. 8 gives the details of the bacteriological, bacteriological and chemical, chemical examinations of milk performed throughout the year 1942:

TABLE No. 8		
	1941	1942
Number of samples of milk examined bacteriologically Number of samples of milk examined bacteriologically and	1,050	877
chemically	183	152
Number of samples of milk examined chemically	11	
Number of rinse waters examined bacteriologically	11 47	27
Number of ice creams examined bacteriologically	108	52
Total	1,399	1,108
Number of samples of milk examined showing low butter fat	9	25
with a bacterial count above 30,000 Number of non-pasteurized milk samples examined bacteriologically	92	139
with a bacterial count above 100,000	94	86
Number of pasteurized milk samples examined	565	522
Number of non-pasteurized milk samples examined	898	461
SERA AND VACCINES DISTRIBUTED—JANUARY, 1942-DECEM	BER,	1942

Pkgs. 150 Pkgs. 30 persons, "D" 30 persons, "E" Dick Test: 10 persons Tetanus Antitoxin: 1,500 units 5,000 units Smallpox Vaccine: 10 points 4,611 2 points 2 points 1 point Diphtheria Antitoxin: 1,000 units 5,000 units 20,000 units Diphtheria Toxoid: 1.395 348 265 493 13 59 10,000 units 396 Anti-Meningococcus Serum: 20 c.c. vial Pertussis: 1 person Staphylococcus Toxoid: 2 c.c. vial Staphylococcus Antitoxin: 10,000 units 74 1 person 3 c.c. 6.745 5.014 1,987 333 6 c.c. 1,785 1 person diluted 67

2½ c.c. reactors	28	20,000 units	12
Schick Test: 25 persons	692	Anti-Pneumococcus Serum:	
Scarlet Fever Antitoxin:		20,000 units	46
9,000 units, vial	180	Gas Gangrene:	
9,000 units, syringe	674	4.000 units	17
3,000 units, syringe	1.144	10,000 units	88
Scarlet Fever Toxin:			Bottles
1 persons	3.282	Rocky Mountain Spotted Fever	
6 persons	4.615	Vaccine:	
30 persons, "A"	15	10 c.c.	10
30 persons, "B"	132	30 c.c.	1
30 persons, "C"	126	55 c.c.	15
the second of the second of the second			

COMMERCIAL VALUE OF WORK IF M	INIMUM CHARGE	WERE	MADE, 1942
Sputum	651	\$ 1.00	\$ 651.00
Diphtheria	2,289	1.00	2,289.00
Typhoid Fever	437	1.00	437.00
Milks	1,108	3.00	3,324.00
Waters	3,171	10.00	31,710.00
Miscellaneous Examinations	3,750	3.00	11,250.00
Mothers' Milks	1	2.00	2.00
Urinalysis	95	3.00	285.00
Medico-Legal Examinations	5	5.00	25.00
Bloods for Wassermann Test	30,851	3.50	107,978.50
Bloods for Kahn Test	40.611	3.50	142.138.50
Smears for the Gonococcus	7,317	1.00	7,317.00
Van Den Bergh Determination	1,511	1.00	1,511.00
Pathological Histological Material	6.243	5.00	31,215.00
Blood Smear Examinations	124	2.00	248.00
Ascheim Zondek Test	314	5.00	1,570.00
Comparative Series	18	3.00	54.00
Cerebro-Spinal Fluid Examinations	2.099	2.00	4.198.00
Post-mortem Examinations (Bact.)	52	5.00	260.00
B. Abortus Examinations	436	1.00	436.00
B. Tularensis Examinations	436	1.00	436.00
Typhoid Vaccine (10 c.c. quantity)	492	.25	123.00
Autogenous Vaccine (25 c.c. quantity)	10	5.00	50.00
Poliomyelitis Serum (20 c.c. quantity)	12	2.50	30.00
Stock Vaccine (25 c.c. quantity)	11	5.00	55.00
Total			\$347,593.00
Cattle Blood Examinations	1,560	.10	156.00

\$347,749.00

Public Health Nursing Branch

(Kate Shaw Brighty, R.N., Superintendent)

One district was opened during the year, viz., Warburg. This district consists of the three western townships of M.D. No. 490 and the two eastern townships of L.I.D. 491, and the three northerly townships of M.D. No. 460, with the Village of Breton. The nurse is resident at Warburg. An arrangement was entered into between the Public Health Department and the Municipal District of Pioneer No. 490 for the establishing of this work. The district has rented and furnished a comfortable cottage. Miss Philippa Chapman is the district nurse serving the community.

The total number of centres operated by the Public Health Nursing Branch are listed in the following order:

Urban—Calgary, Edmonton, Medicine Hat-Redcliff, Drumheller, Vegreville, Bow Island.

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

The teaching centre of Alder Flats had three nurses in training. Miss Mary Willis completed her course of training in February, was followed by Miss Barbara Ford, who remained until the middle of August, and Miss Lois Bird was the third nurse to be appointed to this teaching centre in September.

Resignations from the staff are as follows: Miss Elizabeth Wallwork resigned to go to University; Miss Esther Mants entered Central Alberta Sanatorium; Miss Margery Dunstan and Miss Marjorie Pinchbeck were transferred to Health Units; Miss M. E. Cotton, Miss B. Edwards, Miss B. Ford, Miss S. D. Hodgson, Miss E. M. Matthews, Miss Norah McCallum, Miss N. J. McCoy, and Miss A. E. Truby, all resigned to be married.

New Appointments.—Miss T. S. Arnason, Mrs. E. A. Bennett, Miss Lois Bird, Mrs. Barbara Eben-Ebenau, Mrs. S. Elizabeth Heldal, Miss Dorothy L. Kaufman, Miss Jean L. Kellner, Miss Beth Laycraft, Miss Kathleen Oriold, Miss Mary J. Plant, Miss Amy Strawson, Miss Margaret P. Souch, Miss Hazel O. Mann, Miss Barbara Ford, and Miss Bessie Plant.

Miss Elizabeth Lea returned from McGill University, where she post-graduated in Public Health Nursing and entered the district of Peers.

Temporary Relief Nurses—Miss Laura Allyn, Miss Jean Davidson, Mrs. Helen Fisher, Miss Violet Morrow, Mrs. H. Murgatroyd, Miss Helen G. McArthur, Miss B. Ofstedahl, Mrs. Mona Tonneson, Mrs. Umbach, Miss K. M. Young, Mrs. M. Delong, and Miss B. Perkins.

In the districts during this current year there have been 330 maternity cases and 44 abortions, totalling 374 obstetrical cases.

There were 2,026 pre-natal visits and consultations made. It is gratifying to note the number of women coming to the nurse's office for pre-natal advice, which, we feel, is a direct response to the education that is being given in the district through the Public Health Nurses. Due to the lack of medical facilities in rural areas, the responsibilities resting upon the nurse continue to increase.

STA	TISTIC	AL REPORT	
Home visits	5.637	Deaths (under 1 year)	13
Office consultations	22,282	Deaths (over 1 year)	45
Dressings	4.935	Sent to hospital or doctor	836
Medical cases		Visits to Indian Reserves	92
Surgical cases	2,332	Dental extractions	171
Obstetrical cases		Communicable diseases	624
Abortions		Vaccinated	1.903
Pre-natal visits		Inoculations	7,305
Pre-natal consultations		S.F. inoculations	3,355
Bismuth treatments	119	Whooping cough inoculations	85
Staphylocoecus inoculation	1		
Child Walfore visite	280	Foos collected \$7	994 81

Miss Blanche Emerson, Supervisor of the Edmonton Child Welfare Clinic, reports as follows:

During the year, 1,389 new cases were added to our roll, which is much higher than in any previous year. There were 146 children from rural areas in attendance at the clinics, and 52 letters requesting advice on infant feeding were received and replied to. Visits were made to Diabetic cases and Baby Shelters besides the regular clinic cases.

We were sorry to lose the services of Dr. Calder, who enlisted in the Medical Service of the Navy in March. Dr. Newell assumed Dr. Calder's duties along with her own. Our thanks are due Drs. Calder, Folinsbee and Newell for their untiring efforts on behalf of the clinic.

Home Economic students, also student nurses from all the Edmonton Hospitals, have been in attendance during the year. The B.Sc. class from the University of Alberta has been with us for observation at clinics and for field work, as well as students from the General, Royal Alexandra and University Hospitals who have been assigned to us.

We appreciate greatly the hearty co-operation given us by the City Health Department, Direct Relief Branch, the V.O.N., and all the social agencies. We also thank many private citizens for donations for some of our needy families.

In spite of the increasing transportation difficulties, the attendance has been excellent.

Of the three deaths reported of infants under one year of age, one infant aged four months who had a congenital enlargement of the heart, died from Bronchial Pneumonia. An infant 4½ months died from suffocation caused by sleeping on his face. A nine months' old baby died from Pneumonia following Whooping Cough. A child twenty months old died from Diabetes.

We feel that with 3,189 children on our roll our death rate is very low this year.

Miss M. E. Hagerman, Supervisor of the Medicine Hat and Redcliff Child Welfare Clinics, reports as follows:

Child Welfare Clinics are held every Tuesday and Friday afternoon, and every second Wednesday afternoon at Redcliff. A Venereal Disease Clinic is held Thursday afternoon in Medicine Hat. Dr. Dixon is in charge of this clinic. The Tuberculosis Clinic

schedule is every second month. This year the July and November clinics were cancelled. Four Tuberculosis Clinics were held during the year. The Guidance Clinics were discontinued this year. Miss Frost, Social Worker, spent a few days here in April in connection with this work. Thirty letters asking for information on child care or pre-natal care were received and answered. Home visits were made.

I assisted Dr. Dixon with vaccination, prophylactic treatments for tick bites, of children and adults at Manyberries. Three trips were made. The number reporting for three treatments, 130; for two treatments, 171; for one treatment, 11.

The following is a report of the Immunization Clinic held in the Medicine Hat schools, and schools in the district (I assisted Miss Weeks, the school nurse, with the Medicine Hat School children):

	Diphtheria	Scarlet Fever	Whooping Cough	Smallpox	No. Treated
Medicine Hat Pre-school	242	260	92	232	350
Redcliff S.D. and Pre-school	86	117	34	67	186
Irvine S.D.	181			180	187
Tilley S.D.	215	225		142	
Totals	724	602	126	621	

Miss Weeks and I tuberculin tested (Vollmer Patch Test) the children in the Medicine Hat Schools, and I tested children in some of the rural schools. Only children who had their parents' consent were tested. The following is the report of this work:

No. Tested	Positive Reaction
1.438	82
52	9
44	3
33	1
79	13
28	1
-	-
1,684	109
	1,438 52 44 33 79

Arrangements were made for an X-ray of all who had a positive reaction. This work has been sponsored by the local Kinsmen's Club.

One-day Baby Clinics were held at the following points: Irvine, Walsh, Little Plume, Whitla, Tilley, Orion, Rainier, Foremost, Barnwell, and at Hilda and Schuler with Miss Devlin. Attendance: School children, 12; pre-school children, 146; infants, 83; total attendance at these 11 clinics, 241.

The following schools were visited at the request of the teachers: Walsh School, to investigate if the children in a family attending the school had a communicable disease, as several were home from school with swollen glands. Dunmore School, upon a complaint from a mother that her child had Pediculosis from contact with other children in the school. Atlee School: Several children in one family were so filthy they made it uncomfortable for the teacher and other pupils. The father has agreed to bring them in to the next Guidance Clinic. Union Valley School: A problem family. This family had been visited previously by Miss Frost, and one child had been examined at the Guidance Clinic.

The hearing of the children at St. Louis' School and St. Theresa's Academy was tested. An Andometer was loaned to us by the Winnipeg Kinsmen's Club.

Two lectures on Public Health were given to the nurses in training at the Medicine Hat General Hospital Training School for Nurses. An undergraduate nurse is in attendance at the Tuesday and Friday Baby Clinics. Each nurse attends about four Baby Clinics, and two weeks for other practical instruction. I have an undergraduate in attendance two weeks each month with the exception of the summer months.

Grateful appreciation is given to the Red Cross Society, the I.O.D.E., and Miss Carson, City Relief Officer, for the clothes that have been given to our needy people, including several layettes.

Miss M. F. Lavell, Supervisor of the Calgary Child Welfare Clinic, reports as follows:

The clinic is open five afternoons a week. One pediatrician is in charge two afternoons a week. A nurse-in-training from either the General Hospital or Holy Cross Hospital comes two days a week for instruction and practical training.

Invitations are sent to mothers to attend the Baby Clinic, and questionnaires sent to family physicians concerning birth and home conditions. Where home conditions are considered inadequate, families are visited by clinic nurses and advised of the infant clinics. At six months, notices are sent to all parents of births registered re advisability of obtaining Diphtheria Toxoid. After three years, a special appointment is made for every child to be given a complete physical examination. Where defects are found among those in poor circumstances, the case is followed up by a clinic nurse. Complete physical examinations by all doctors were given to 954 pre-school children; 257 were O.K., 437 missed their appointments. In addition to this, school doctors gave 73 short interviews.

Miss M. E. Jones, Supervisor of the Drumheller Child Welfare Clinic, who is also engaged in a generalized programme of Public Health nursing, reports as follows:

The organization of the work of a Public Health nurse in a district such as ours must necessarily be quite flexible in order to meet the needs of changing times.

In past years, considerable stress has been laid on health inspection of school children, and notifying parents of any suspected physical defects requiring medical or dental attention. During last year, this branch of work, although still carried on, was curtailed in order to allow time for other work which seemed pressing at this period.

Early in the year, considerable time was given to fostering Home Nursing Classes for women. Five classes were arranged, in which 150 women and girls registered. In the fall, two additional classes were held with students in Drumheller High School, where 42 girls attended 75% or more of the classes given.

Also, early in the year, the attention of the Mothers' Allowance Branch of the Child Welfare Department was drawn to the advisability of having families receiving the Mothers' Allowance reinvestigated. This was done, and certain adjustments made in the allowance to meet the increased cost of living.

Through the Institute of the Blind, arrangements were made to have a boy operated on for cataracts of both eyes; also through this organization, 14 school children had the services of an eye specialist, seven of whom were fitted with glasses for the first time, and three others were re-fitted. An excellent battery radio set was also obtained through this organization for a blind resident of the district.

Co-operation has been given the Provincial Child Welfare Department and the Venereal Disease Branch. Patients have been transported by car to the Red Deer Training School and to the Ponoka Mental Hospital.

In the fall, Drumheller Public School children were weighed and measured, and reports given to the Drumheller Women's Institute relative to the School Milk Service.

The Child Welfare Clinics have continued to be held in Drumheller every Friday afternoon. Forty-eight clinics in all were held in the past year, with a total attendance of 728, or an average of 15 babies and children to each clinic. In addition, five Child Welfare Clinics were held at outlying points in the Valley during the summer, with an attendance of 133.

Only one Guidance Clinic was held in Drumheller this year. Eight people attended this clinic, and it is expected that more frequent clinics will again be resumed as soon as the Mental Hygiene Division is able to provide the service.

Anti-Tuberculosis work continued to take an outstanding place in Public Health activities in this district. Eleven clinics have been held this year, with an average attendance of 18 patients. There were 13 new cases referred through these clinics for Sanatorium treatment, and 85 people are being kept under observation because of symptoms of the diseases or because of being direct contacts of active disease in relatives or friends. Drumheller Kinsmen's Club, through money raised by the sale of Xmas seals, continue to promote the preventive phase of this work. A survey of Drumheller High School students and of the Rosebud School children was made this year to determine the presence of any infected young people in these groups. A nurse was employed for a season to do follow-up work in the homes from this and previous school surveys, and from the clinics.

Sincere thanks go to our local doctors, Drumheller Municipal Hospital staff, Drumheller Kinsmen's Club, Drumheller Women's Institute, and the Canadian National Institute for the Blind for their kindly co-operation in the work of the nurse.

Miss M. R. Black, Supervisor of the Vegreville Child Welfare Clinic, and also engaged in a generalized programme of Public Health nursing, reports as follows:

The greater part of the work in this district is done in the schools of the Municipality of Norma, and the Public, High and Separate Schools in the Town of Vegreville.

The pre-school and school population is fairly well protected against Diphtheria and Smallpox. A large number of the adult population should be well protected also, since immunization against these diseases has been carried on since the fall of 1926. Due to another outbreak of Scarlet Fever this fall, the local Board of Health decided to inoculate all pre-school and school children whose parents were agreeable to having the work done. Assistance in the arrangements for and the administration of the Scarlet Fever Toxin was given while this campaign was being conducted. Assistance was also given when the Smallpox vaccinations were being done in the spring.

The Child Welfare Station at the Court House is open each Friday from 2 to 5 p.m. The children are weighed and measured; diet slips and other literature are given to the mothers. Cases of

illness or difficult feedings are referred to the family doctor. Vaccination and inoculation of infants and pre-school children is encouraged, and given when requested.

Vaccinations and inoculations are done in the municipality.

Inspections for Mothers' Allowance are made for the municipality.

Patients are conveyed to hospital and Government clinics when necessary.

An attempt was made to conduct Home Nursing Classes in the municipality in late June and the month of July, but due to the heavy rains in that period, they had to be postponed to a later date. Considerable interest was shown in the classes held.

During the year, the Nurses' Convention in April at Edmonton, and the Convention of Public Health Workers at Calgary in October were attended.

Arrangements have been made whereby the student nurses of the General Hospital each spend a month with the nurse in this district. These arrangements have been in effect for some years.

Sincere appreciation is extended to the Canadian National Institute for the Blind and the I.O.D.E., through whom glasses have been fitted for needy persons; the Women's Institute and private individuals for clothing in cases of need; the doctors, sisters, and nurses of the General Hospital for their advice and assistance; the teachers, especially Mr. McCrea and his staff, for their ever ready assistance and co-operation.

STATISTICAL REPORT

	EDMO	NTON	
Clinics held Number in attendance Babies in attendance Breast fed 1,068 Bottle fed 2,421 Mixed feeding 305 Other feedings 1,111 New babies admitted	101 6.051 4,905	Number of pre_school children Pre-schools re-admitted Pre-school children discharged Pre-school children on roll Average attendance Referred to family doctor: Babies 21 Pre-schools 28	1,146 61 406 986 60
Babies re-admitted Babies transferred to pre-school Babies discharged Babies on roll Weighing Clinics held Attendance at weighing clinics	9 210 681 2,203 48 876	Out of town cases Home visits On Roll Deaths: Infants under 1 year, 3; baby in second year, 1	49 146 2,389 3,189
	CALG	ARY	
Number in attendance Clinics held by Dr. Roach Infants in attendance 3,546 Pre-school children 429 Nurses in attendance, afternoons Infants in attendance 3,443 Pre-school children 1,088 Average attendance On Roll Discharged during year New cases admitted	9.305 99 4.071 248 4.531 41.1 4.329 1.443 1.657	Pre-school children discharged Referred to family doctor: In- fants 13, pre-school 42 Out of town cases: Infants 7, pre- school 35 Letters replied to from out of town Visits to baby shelters Inspections and interviews re same Investigations regarding Insulin Spoke at two outside organization meetings.	1,437 55 42 23 100 25 5
Infectious diseases found at clinic Home visits Infant feedings: Breast fed 522 Bottle fed 2,041 Mixed feedings 1,862 Other feedings 2,094 Deaths: Infants 4, pre-school 1 Babies discharged	6,519 5 1	Immunization: Diphtheria toxoids Scarlet Fever toxins Smallpox vaccinations Pertussis inoculations Typhoid inoculations Increase in attendance at Child Welfare clinics Increase in new cases on roll from 1941	1,448 135 183 126 1 1,399

MED	ICIN	E HAT	AND REDCLIFF	
Clinics held in Medicine Hat		102	Babies on roll	620
Babies in attendance			New cases admitted	315 121
Pre-school children	454	2,752	Number discharged	37
Clinics held in Redcliff		25		
APRILITATION AND DESCRIPTION OF THE PROPERTY O	166		Infants referred to family doctor,	
Pre-school children	83	249	74; pre-school referred to family doctor, 21	95
Home Visits		1.064	New pre-schools admitted	41
Infant feedings:			Old cases re-admitted	3
Breast fed	681		Out of town cases: Infants 127, pre-schools 26	153
Bottle fed	90		pre-schools 26	100
Other feeding	626		Pre-school children discharged	196
_	_	2,461	Pre-school children on roll	595
		DRUMH	ELLER	
Clinics held		53	Pre-school children in attendance	65
Babies in attendance		665	Pre-school children discharged	2
Breast fed	154		Babies referred to family doctor,	
Bottle fed	43		56; pre-schools referred to family doctor, 10	66
Other feeding			Out of town cases: Infants 171.	
Babies admitted		101	pre-school 9	180
Transferred to pre_school cli	inic	86	Home Visits Deaths: Infants	6
Babies discharged		00	Deaths, Intains	-
		VEGRE	VILLE	
Clinics held		46	New cases admitted	37
Babies in attendance			Transferred to pre-school clinic. Referred to family doctor	6
Pre-school children	90	327	Babies discharged	33
Breast fed infants	57		Cases on roll	102
Bottle fed	118		New pre-school cases admitted	2
Mixed feedings	24 38		Referred to family doctor Cases on roll	7
Other reedings		327	Home visits	40
			NAME AND DEPOSITE OF THE PARTY AND DEPOSITE	CLIEB
			GARY, MEDICINE HAT AND RED	CLIFF.
VEGREVILLE AND DI	KUMI		CHILD WELFARE CLINICS, 1942	Duo
F	Rabies	Pre- s. school	Babies	Pre- school
Eyes:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	or Delicor	Pinworms 3	10
Conjunctivitis	14	7	Pyloric stenosis 1	
Ganulated eyelids		1	Rickets 14 Roundworms 2	6 5
Injury to eye Pink eye	1	1	Scurvy 1	
Strabismus	3	3	Stomatitis 13	9
Sty	3	2	Malnutrition 51	64
Eyes	11	41	Diarrhoea 97	-
Deafness		1	Genito-Urinary: Anal abscess 1	
Earache		1	Anal fissure 4	
Otitis media	12	12 33	Ammoniacal urine14	
Ears Nose:	20	99	Balanitis 1 Enuresis	5
Nasal discharge	1	16	Hydrocele 3	1
Nose	2	2	Hypospadius 2	****
Throat:		2	Inguinal hernia 2	1
Asthma Chronic laryngitis		ĩ	Umbilical hernia 17 Hernia 151	19
Enlarged cervical glands	12	85	Moist umbilieus 8	
Enlarged adenoids	4	186	Phimosis 178	25
Laryngitis Septic throat		1	Urethra ulcer 11	2
Tonsilitis	4	6	Urethra and vulva inflamed	1
Enlarged tonsils	7	494	Enlarged testicle1	****
Throat	6	- 11	Sore scrotum1	
Mouth: Cleft palate	2		Congenital:	
Carious teeth	3	911	Congenital heart	1
Geographical tongue	2	1	Cretin 1 Enlarged right leg	1
Ginivitis Hare-lip		1	Facial paralysis2	
Tongue-tie	2		Hammer toes	1
Thrush	13		Mental defective 5 Mongonlian idiot 5	1
Mouth	16	4	Malformation of ear1	-
Chest: Bronchitis	-		Spastic foot	1
				1
Colds		4	Systolic murmur	
Croup	9 2	****	Thyroid	1
Colds	9 2	4	Thyroid	
Colds Croup Influenza Digestive:	9 2	1	Thyroid Thyroid Congenital malformation 5	1
Colds Croup Influenza Digestive: Anorexia Celiac disease	9 2	1 3 1	Thyroid Thyroid Congenital malformation 5 Skin Diseases: Ammoniacal dermatitis 10	1
Colds Croup Influenza Digestive: Anorexia Celiac disease Convulsions	9 2	1 3 1 1	Thyroid Thyroid Congenital malformation 5 Skin Diseases: Ammoniacal dermatitis 10 Abscess on head 2	1 1
Colds Croup Influenza Digestive: Anorexia Celiac disease	9 2 1 1 54	1 3 1	Thyroid Thyroid Congenital malformation 5 Skin Diseases: Ammoniacal dermatitis 10	1 1

	Pre-		Pre-
	ies. schoo		. school
Skin Diseases-Continued:		Warts	3
Bruises on forehead		Other skin conditions 79	31
Blisters	. 1	Rash 2	****
Burns 4		Miscellaneous:	
Dermatitis	6	Abscesses 2	1000
Eczema 234		Breast abscess 1	
Frost bites	1	Chorea	1
Furunculosis		Club foot 1	****
Hives	2 1	Cyst on head1	2000
Herpes	3	Cellulitis	1
Impetigo	7 19	Cardiac disturbance 1	5
Ichthyosis	1	Nervous disorders 2	2
Intertrigo 2	1 1	Orthopaedic 7	28
Miliaria 21		Mastitis 2	
Nevus 1	2 2	Infected fingers, etc 6	
Pigment Spots		Rheumatic fever	1
Seborrhoea	1 3	Fragility of bones 1	****
Scabies	1 19	(8 fractures since birth)	
SCHO	OL INSE	PECTION WORK	
Children inspected	3,474	Skin diseases	37
Classroom inspections		Defective mentality	9
Not vaccinated		Other skin conditions	9
With defects	The second second	Excluded for communicable	-
Without defects		diseases	41
With suspect defective vision	414	Children with glasses fitted	50
Requiring glasses		Children with glasses re-fitted	36
Suspect defective hearing		Children with tonsils removed	82
Suspect throats		Children with adenoids removed	61
Suspect nasal defects		Children receiving medical treat-	
Suspect tonsils		ment	28
Suspect glands		Children receiving dental treat-	
Defective teeth		ment	255
Symptoms eye diseases		Vaccinations	208
Symptoms ear diseases		Inoculations	3,138
Symptoms orthopaedic defects		Schoolroom talks	63
With defective posture		Home visits	163
Malnutrition		Interviews	29
Nervous conditions	12	Public lectures	6
With pediculosis	11		

The Travelling Clinic visited 22 centres during the summer, the itinerary being conducted in the following order: Winfield, Minnihik, Breton, Warburg, Sangudo, Greencourt, Mayerthorpe, Campsie, Fort Assiniboine, Jarvie, Newbrook, Grassland, Plamondon, Canyon Creek, Faust, Prairie Echo, Edgehill (Falher), Tangent, Woking, Hythe, DeBolt, and Valley View.

The personnel of the clinic staff was composed of Dr. C. A. M. Cawker, surgeon in charge; Dr. Jean Holowach, anaesthetist; Dr. Ross Upton and Dr. R. H. Dixon, dentists; three nurses and two truck drivers. Miss Margery Dunstan was the senior nurse on the Travelling Clinic staff, and Miss E. Jones was the survey nurse who made all the local arrangements for the Travelling Clinic. The following is the statistical report:

ionowing is the statistical re	port.		
Centres served Children examined Recommended for T. & A. Recommended for circumcision Recommended for stripping T. & A. operations Circumcisions Strippings Vaccinated Asthmatic cases	3.287 1.164 36 213 406 9 138 1.175	Referred to hospital Prescribed for Anaesthetics 5 Anaesthetics (for teeth only) 1 Recommended for minor operation Thyroid cases 4	72 25 81 46 09 3 64 16
DE	NTIST'S	REPORT	
Children examined Recommended for treatment Children given treatment Fillings (number of teeth) Extractions (number of teeth) Prophylaxis (number of children)	1,677	Cash collected \$2,042. Charity work 603. Accounts collectable 4,619. Total \$7,266.	75 86

Home Nursing Classes were directed from this office for the purpose of giving instruction in Home Nursing and First Aid to women throughout the Province. Graduate nurses were sought as instructors. The greater portion of the teaching, however, rested upon nurses in Health Units and on the Provincial nursing staff. The following is a list of the points where classes were held, the number completing the course, and the number receiving certificates:

Points	Enrolled	Certificates
Innisfail	14	9
Calmar	52	21
Red Deer Health Unit	23	14
Youngstown (2)	29	28
Newbrook	18	8
Legal (3)	107	105
	88	
Didsbury (4)	72	59
Tofield R.R. No. 2 (3)		21
Watino (2)	22	14
Allingham	32	32
Derwent	67	21
Grouard		cates from Red Cross
Lindbrook	51	16
Fort Saskatchewan (2)	55	55
Partridge Hill	9	9
Carstairs	9	9
Blueberry Mountain	15	4
Hilda	12	6
Clover Bar	61	22
Holden (2)	46	27
Sunnynook (2)	38	30
Harmatton	20	12
Calmar	68	27
Valley View	20	14
	39	8
Viking (2)	33	7
Breynat	29	
Lomond		15
Plamondon	43	30
Whitemud Creek	25	20
Kinsella	28	17
Red Deer (2)	72	39
Willingdon	64	52
Myrnam	86	56
Bonanza	54	25
Lamont (3)	189	124
Two Hills	48	38
Longview	32	26
Royalties	39	28
Hartell	68	47
Black Diamond (2)	57	38
Turner Valley (4)	, 151	89
Pendryl (4)	3	3
	109	44
Bentley	103	44
Total	2.069	1,311
43 points.		

This teaching course has had a ready response from the rural public and continues to be appreciated.

Literature sent out during the year 1942 is as follows:

Sets pre-natal letters	
Sets post-natal letters	
ets to years of discre-	tion
Canadian Mothers' Boo	ks
Total	

May I again express my appreciation to the medical profession; to women's organizations and philanthropic groups who have rendered valuable assistance to the furtherance of the work of the Nursing Branch.

In conclusion, I wish to pay a tribute to the nurses on the staff for their unfailing attention to duty and their loyalty to the Department.

Hospitals Division

(L. A. Patterson, C.A., Secretary of Department of Public Health)

The total number of hospitals approved under the provisions of The Hospitals Act of the Province of Alberta as at the 31st of December, 1942, was 95.

The total grant paid to hospitals and homes for the year 1942 amounted to \$521,950.40.

The approved hospitals had a total bed capacity, including cribs, of 4,837 and 809 bassinets, and a total bed complement of 4,832 and 504 bassinets. The bed complement (including cribs) is classified as follows: Medicine and Surgery, 3,335; Obstetrics, 729; Tuberculosis (including T.B. Divisions), 221; Contagious Diseases, 24; Incurables (Daysland, Macleod and St. Joseph's, Edmonton), 54; Isolation, 221; others, 248. These figures do not include the Central Alberta Sanatorium, which has accommodation for 210 patients.

On the basis of a population in the Province of 805,000, we had one hospital bed (including cribs and bassinets) for every 143 of the population, or 7 for every 1,000 population; 114,417 patients were treated during the year, 99,351 adults and children, 15,167 newborn. The total patient days of all patients admitted was 1,280,836, being 1,108,497 for adults and children, 147,877 newborn. This means that in 1942, hospital treatment was provided for 14.2 per centum of the population, or one in every seven persons.

There was an average daily admission of patients to hospital of 313.5. The average number of days spent in hospital by each patient was 10.1, or 10.1 for adults and children, 10.1 for newborn, excluding Isolation, Incurables, Orthopaedic, S.C.R., Polio, and Tuberculosis Division cases.

The average number of patients in hospital daily was 3,508.63, or one in every 229.4 of our population. Each bed provided accommodation for 21.2 patients during the year.

The staff summary is as follows: Executive 86, Clerical 158, Salaried Doctors 29, Technicians 86, Internes 38; Nurses, Graduate 775, Student 776, Probationers 104, Affiliates 18; Diteitians, Graduate 21, Student 10; Orderlies 253, all other employees 1,118.

There were 11 Nurses' Training Schools in the Province. The number of nurses graduating during the year was 233.

During the year, 15,435 maternity cases were cared for. These cases comprised 13.49 per cent of the total cases admitted.

Living births were: Male 7,536, female 7,127, making a total of 14,663. There were 295 stillborn.

The maternal deaths reported were 26, these giving a death rate of .169 per centum of total maternity cases admitted and 1.77 per 1,000 living births.

The living births in Alberta for 1942, excluding Indians, were 17,310. Of this number, 84.7 per centum took place in Government approved hospitals.

The approved hospitals reported that 26,324 general and 4,876 spinal anaesthetics were administered, and 12 deaths resulted from these.

There were 614 autopsies performed. Infections developed in hospital totalled 201, divided into: Medical 54, Surgical 82; Obstetrical, mothers 45, infants 20.

The number of communicable diseases cases treated, excluding Typhoid Fever and Tuberculosis, totalled 2,521; Typhoid Fever numbered 35, and Tuberculosis, reported by general hospitals, 202.

Amongst other cases treated in hospital, there were 2,247 Cardiac, 1,394 Rheumatic, 593 Goitre, 291 Venereal, 285 Alcoholics, and 1,422 malignant diseases cases.

There were 265 deaths within ten days of surgical operations, and 974 within 48 hours after admission. Communicable diseases accounted for 68 deaths.

The approved hospitals reported 294,306 laboratory examinations and 53,073 X-rays.

The total operating expenditure of approved hospitals for the year 1942 was \$4,292,365.84, divided as follows: Administration, \$420,039.51; professional care, \$1,600,380.04; kitchen and dining room, \$1,037,190.09; general house and property, \$790,228.28; and maintenance, \$444,527.92.

Revenue of these hospitals amounted to \$4,808,169.70.

The average cost per patient day was \$3.38.

The average revenue per patient day was \$3.78.

The average cost was divided as follows: Administration, 8.35%; professional care, 38.25%; kitchen and dining room, 25.22%; general house and property, 18,73%; and maintenance, 9.44%.

The statistical and financial information given in this report has been obtained from financial and statistical returns received from the approved hospitals for the year 1942.

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. 7-Revenue.
- No. 8—Costs per patient day and earnings per patient day with percentage of costs over the different divisions of expenses.
- No. 9—Municipal Hospitals Statistics.

MUNICIPAL HOSPITALS

Statistics for Municipal Hospitals are included with the other approved hospitals of the Province, but for convenience a separate table of some selected statistics is attached.

TABLE No. 1

		Total	606 606 607 608 607 607 608 607 608 607 608 608 608 608 608 608 608 608 608 608
	_	1	0
Year	(h	Total	288 249 349 349 349 1139 1100 1100 1100 1100 1100 1100 110
During	M.	() () () () () () () () () ()	314 321 321 321 321 321 327 327 327 327 327 327 327 327 327 327
Care Du	E.		25 25 26 27 27 27 27 27 27 27 27 27 27 27 27 27
er Ca	M	Newborn	222 222 223 223 223 223 224 44 415 113 123 123 123 123 123 123 123 123 123
s Under	- E		232 232 232 233 233 233 233 233 233 233
Patients	M.	Adults and Children	284 287 287 287 287 287 287 287 287 287 287
Д.	1		7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(8)		Others	111114100111111111111111111111111111111
Cribs		Isolation	
Beds,		Incurables	
on ()		Contagious Diseases	
Classification (Beds,		Tuberculosis	111111111111111111111111111111111111111
Classi		Obstetrics	P0118 28882 E E E E E E E E E E E E E E E E
	1	General Med. and Surgery	28 24 24 24 24 24 24 24 24 24 24 24 24 24
nent		Total	48844888888888888888888888888888888888
Complement	Number	Bassinets	-4-048801 6 880404-880 -44804 0-8
i Con	Nur	Cribs	E 24 24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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		Total	248 34 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
pacity	ber	Bassinets	2444394 04 88 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Bed Capacity	Number	Cribs	844811198011228 41919998 12414 158
Bec		Mult	%5288 0 1128 9 2 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
		Hospitals	Athabasca, Municipal Banff, Mineral Springs Barrhead, St. Joseph's Barsano, Municipal Bentley, Community Bentley, Community Bennyville, K. H. P. Bonnyville, K. H. P. Bonnyville, St. Louis Calgary, Holy Cross Calgary, Junior Red Cross Carantose, St. Mary's Carnore, Canmore Hospital Carnore, Canmore Hospital Cardston, Municipal Cardston, Municipal Cardston, Municipal Coleman, Miners' Union Coleman, Miners' Union Coloration, General Daysland, Providence Desmarais, St. Martin's Didsbury, General Daysland, Providence Desmarais, St. Martin's Didsbury, General Daysland, Redicine Valley Community Edmonton, General, T.B. Division Edmonton, General, T.B. Division

6,025 11,569 816 65 218	1,331 1,331 34 34 34	703 1,555 587 434 364	126 612 1,502 275	475 1,162 1,494 977	312 246 166 1,268 640	3,681 3,681 3,891 1,647	285 510 178 3,284 593 628	734 447 667 500
3,670 6,758 401 38 60	2,651 13 24 28	325 913 291 256 162	95 378 890 186	306 591 938 595	192 66 96 779 364	2,249 2,249 6 2,311 1,021 301	154 1298 1.908 13 327 362	89 310 375 293
2,355 4,811 27 158	2,346 1,318 29 17 34	378 642 296 178 202	31 234 612 89	169 571 556 382	120 180 489 276	1,432 1,432 1,580 626 206	131 212 57 1,376 13 266 266	277 166 137 292 207
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3,196 6,007 401 38 60	2,387 13 24 28	280 843 274 215 148	336 779 152	271 559 833 515	167 77 664 327	1,166 2,028 2,028 926 246	141 269 106 1,660 307	415 78 261 336 251
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			1 :					
Edmonton, Misericordia Edmonton, Royal Alexandra Edmonton, Isolation, T.B. Division Edmonton, St. Joseph's Edmonton, University of Alberta:	(a) Civilian (b) S.C.R. (c) Orthopaedio (d) Pollo (e) T.B. Division	press, Corview, C	Ft. Smth. General Ft. Vermilion, St. Theresa Galahad, St. Joseph's Grande Prairie, Municipal Grimshaw, Battle River	Hanna, Municipal Hardisty, St. Anne's High Prairie, Providence Thisp. River, Municipal Innisfall, Municipal	Islay, Municipal Jasper, Seton Killam, General Lacombe and District, Community Lac la Biche, St. Catherine's	Lamont, Public Lethbridge, Galt Lethbridge, Isolation Lethbridge, St. Michael's Lloydminster, Municipal	Magrath, Municipal Mannville, Municipal Marwayne, Nurshig Home Medicine Hat, General Medicine Hat, Isolation Mundare, General	McLennan, Sacred Reary Myrnam, Municipal Myrnam, Municipal Olds, General Peace River, Municipal Pincher Creek, St. Vincent's

TABLE No. 1-Continued

		Total	286 1,785 1,785 1,785 1,114 1,005 336 336 336 1,132 1,	7,323 48,863 65,554 114,417
Year	[iz	Total	353 655 1,100 307 1,59 1,59 1,343 1,343 647 647 647 647 647 647 647 647 647 647	65,554
During	N		233 501 501 78 78 78 37 78 78 78 78 78 78 78 78 78 78 78 78 78	18,863
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Under C	M	Newborn	84 1222 272 272 284 198 888 888 106 66 86 86 87 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	7,744
	[is	Children	302 593 965 182 134 134 134 134 134 123 177 229 269 272 273 274 274 275 277 277 277 277 277 277 277 277 277	18,231
Patients	M	Adults and	1189 1189 1227 227 227 282 331 1111 1411 1411 1282 205 205 205 205 205 205 205 205 205 20	248 41,119 58,231
(\$0		Others		248
s, Cribs)		noitelosi		221
(Beds,		Incurables	2	54
Classification		Contagious Diseases		1 24
assific		Tuberculosis		221
5		Obstetrics	245346 628850 4648784	729
		General Med. and Surgery	114 114 114 114 114 114 114 114 114 114	5,632 3,335
ent		LetoT	888888888888888888888888888888888888888	5,632
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d Cor	Na	Crips	01-00000-000-0000000000000000000000000	504
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		Total	888888888888888	809 5,646 4.3
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Caj	Number	Cribs	016000000000000000000000000000000000000	501
Bec		HubA	5955951 9855545155555555555555555555555555555555	4,336
		Hospitals	Provost, Municipal Radway, St. Joseph's Red Deer, Municipal Rimbey, St. Paul's Rocky Mountain House Smoky Lake, George McDougall Spirit River, Holy Cross St. Paul, St. Theresa Stettler, Municipal Trochu, St. Mary's Trochu, St. Mary's Vermillon, Municipal Vermillon, Municipal Viking, Municipal Viking, Municipal Wainwright, Municipal Wainwright, Municipal Wayne, General Westlock, Immaculata Westlock, Immaculata Wetaskiwin, Community	Total

TABLE No. 2

	the same of	-	-	1						
				PA	PATIENT DAYS	XS.				
Hospitale	Total	of All Patients Admitted	tients	Total P	Patients Discharged and Died	harged	Average S	ge Stay of Patients charged and Died	ents Dis-	Aver. No. Patients in Hospital
and the state of t	Adults and Children	Newborn	Total	Adults and Children	Newborn	Total	Adults and Children	Newborn	Total	Daily
Athabasca, Municipal	5,353	1,321	6,674	5,256	1,311	6,567	9.25	11.02	9.56	18.28
50 00	15,198	1.060	15,556	12,113	992	7,585	9.72	9.72	9.72	21.07
Bassano, Municipal	4,661	1,024	5,685	4,322	1,021	5,343	9.69	9.63	9.68	15.57
Berwyn, R. A. P.	1,623	189	1,812	1,480	188	1,668	6.64	9.00	6.84	4.96
Bonnyville, K. H. P.	2,214	514	2,728	2,198	504	2,702	12.05	12.24	12.40	20.91
Calgary, General	78,685	9,184	87,869	78,525	9,210	87,735	12.68	11.53	12.55	240.73
	19,022	10 010	19,022	18,871	10 950	18,871	25.89	10.50	25.89	52.11
Calgary, Holy Cross	19 141	10,210	19.141	14.096	15,002	14,096	216.86	00.01	216.86	52.44
Calgary, Juntof Actu Closs Calgary, Salvation Army Grace	6,318	5,931	12,249	6,258	5,885	12,143	11.15	10.71	11.03	23.55
Camrose, St. Mary's	10,597	2,874	13,471	10,631	2,846	13,477	7.64	10.23	8.07	36.90
Canmore, Canmore	2,356	1 766	8.457	6.586	1.783	8,369	6.65	9.63	7.12	23.16
Carmangav, Little Bow Municipal	3,221	603	3,824	2,887		3,441	9.22	10.65	9.42	10.47
Castor, Our Lady of the Rosary	3,035	679	3,714	3,030	674	3,704	6.58	9.23	6.94	10.17
	8 176	1 509	1,304	8.307	1.507	1,365	10.05	11.00	10.64	26.53
Cold Lake, John Neil	2,466	288	3,054	2,450	584	3,034	7.42	11.68	7.98	8.36
Coleman, Miners' Union	2,918	12		2,671	12	2,683	90.56	12.00	5.57	12.02
Consort, Municipal	2,774	515	3,289	2,843	513	3,356	7.11	10.90	7.50	9.01
Daysland (Incurables)				- Contraction -	ALE PROPERTY AND ADDRESS OF THE PARTY AND ADDR	- Anna Canada and a second	and and and and	and an annual section in	aircriticate	***************************************
- person	1.263		1,600	1,252	1000	1,587	11.52	9.36	11.02	4.38
	0.000		1,611	2,032	506	9 893	7 19	8.03	7.97	7.93
Daspury, General	20.335	2	22,903	21,342	2,568	23.910	8.78	10.97	8.98	62.74
Eckville, Medicine Valley Community	2,172		2,870	2,149	989	2,835	9.22	8.16	8.94	7.86
Edmonton, Beulah Rescue Home	2,535	2,201	4,736	2,603	2,233	4,836	18.46	19.58	18.96	12.97
	38,121	4	43,062	37,269	4,501	42,130	10.04	10.10	956 51	142.78
Edmonton, General, T.B. Division	2812		2.812	2.531		2.531	168.72		168.72	7.70
	47,265	9,547	56,812	37,787	7,553	45,340	7.57	8.39	7.69	155.64
	112,254		129,544	109,145	16,406	125,551	11.20	11.01	11.00	354.91

TABLE No. 2-Continued

				PA	PATIENT DAYS	YS				
Hospitals	Total	of All Patients Admitted	itients	Total P	Total Patients Discharged and Died	harged	Average Stay charged	ge Stay of Patients charged and Died	ients Dis-	Aver. No. Patients in Hosnital
	Adults and Children	Newborn	Total	Adults and Children	Newborn	Total	Adults and Children	Newborn	Total	Daily
Edmonton, Isolation	16,676		16,676	16,138		16,138	21.00	20.80	21.00	45.68
Edmonton, Isolation (T.B. Division) Edmonton, St. Joseph's	13,029		13,029 26,718	8,979		8,979	299.30		299.30	35.69
Edmonton, University of Alberta: (a) Civilian	68,338	5,966	74,304	73.084	6.087	171.67	17.11	11.00	16.41	203.57
(b) S.C.R.	30,810	1	30,810	33,122		33,122	26.71	TOTAL STREET	26.71	84.41
		***************************************	4,423	8,509		8,509	223.92		223.92	12.11
(e) T.B. Division			7,675	6,860	100	6,860	527.69	90.0	527.69	21.02
Edson, St. John 8 Elk Point, Municipal		1.	11,584	10,477	1.295	11.772	7.51	9.45	7.68	31.73
Empress, Cottage	3,950		4,410	3,299	440	3,739	6.22	10.47	6.53	12.08
Fairview, Community Ft McMuresy St Cabriel's	2,705	634	3,339	2,540	596	3,136	7.47	7.64	7.50	9.14
			No Report	4000	1	2000	0000	No Report	60.1	1:00
Ft. Vermilion, St. Theresa	1,178	456	1,634	1,178	456	1,634	13.08	12.66	12.96	4.47
Galahad, St. Joseph's Grande Profess Municipal	12,057	9 340	14,885	4,006	9 390	4,812	7.87	9.82	9.14	133
Grimshaw, Battle River	1,957		2,591	1,930	527	2,457	9.55	7.98	9.16	7.09
Hanna, Municipal	-	-	No Report	-	1			No Report		
Hardisty, St. Anne's High Projeto Develdence	3,242	760	10.286	3,492	771	4,263	2000	10.01	8.94	10.96
High River, Municipal	11.690	2.242	13,932	11.768	2.271	14,039	9.32	11.35	9.60	38.16
Innisfail, Municipal	7,624	1,834	9,458	7,621	1,763	9,384	9.65	11.08	9.89	25.91
Islay, Municipal	2,796	367	3,163	2,796	367	3,163	10.27	11,83	10.43	8.66
Killam, General	1.498	300	1.798	1.507	310	1,817	11.05	9.81	10.97	7.21
Lacombe and District, Community	6.732	1.924	8.656	7.128	1.894	9.022	6.72	9.10	7.11	23.71
Lac la Biche, St. Catherine's	4,530	775	5,305	4,529	765	5,294	8.34	9.68	8.51	14.53
Lamont, Public	15,941	1.452	17,393	18,252	1,463	19,715	9.40	8.65	9.34	47.65
Lethbridge, Galt	32,096	4,737	36,833	31,647	4.722	36,369	9.99	10.95	10.11	100.91
Lethbridge, St. Michael's	27.024	5.267	32.291	27.063	5.261	52.324	8.14	10.69	8.47	2.30
Lloydminster, United Municipal	15,808	1,734	17,542	16,049	1,645	17,694	11.13	10.21	11.04	48.06
Macleod, General	3,266	1,177	4,443	3,024	1,091	4,115	7.93	9.74	8.34	12.17
Macieou, General (Incurables)		***************************************	***************************************					***************************************		

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29,44,135 29,64,325 29,64,327 20,3374 20,337	1,128,987		
Magrath, Municipal Mannville, Municipal Marwayne, Nursing Home Medicine Hat, Isolation Medicine Hat, Isolation Mundare, General McLennan, Sacred Heart Myrnam, Municipal Nordegg, General Olds, General Olds, General Placker, Municipal Radway, St. Joseph's Radway, St. Joseph's Red Deer, Municipal Provost, Municipal Radway, Lake, George McDougall Spirit River, Holy Cross Smoky Lake, George McDougall Spirit River, Holy Cross St. Paul, St. Theresa Stettler, Municipal Trochu, St. Mary's Turner Valley, Olifields General Vermilion, Municipal Vermilion, Municipal Vermilion, Municipal Vermilion, Municipal Wayne, General Wayne, General Wayne, General Wayne, Cannunity Wetaskiwin, Community Wetaskiwin, Community	Total	Excluding Isolation, Incurables, Orthopaedic, S.C.R., Polio and T.B. Cases	

TABLE No. 3

							STAFF	FF											
	Administr'n	str'n	Pr	Professional	al		Nurses	es		Dietitians	ans	Others	S						
Hospital	Ехеспиле	Clerical	Salaried	Internes	Lechnicians	Graduate	Student	Probationers	Affiliates	Graduate	trabute	Orderlies and Ward Helpers	Employees All other	TetoT	Medical	No. of Doctors	Training IoodoS	Affillation with other anoitutitanI	Graduated during the year
Athabasca, Municipal	9	62	1	1	11	99	1		-	1		61	6	-	Yes	-	No	-	
Bassano, Municipal	H		11	1.1	0	9100	11	11	11		11	H 63 +	17	13.8	No	9 :	°%;	11	11
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Bonnyville, K.H.P.	7 3	11	-		1 3	4 00	-	1 1	11	11	11	11	65 4	_	No No	1	No	1	-
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Calgary, Holy Cross	[CI	18	T	4	7	47	137	11	11	-	-	16	96		Yes	80	Yes		36
Calgary, Junior Red Cross Calgary, Salvation Army Grace			-		-	12	1	1	1 1	1	1	. 00	13		Yes	60	°N'S	1	1
Canmore, St. Mary's			-	1	63	14		1				9,	100		Yes	9	No	11	11
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Cold Lake, John Neil Coleman, Miners' Union		1	1 5 7	i	1	40.00	1		1	I	I	-	40		No		SN S		
Consort, Municipal	1		1	1		40	1			11	1 1	100	3-40	-	No.	11	No.	11	11
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Didsbury, General Drumheller, Municipal Eckville, Medicine Valley Com-	-	-	11		H	53 33	11	H	11	-	11		25	10 00	No	10	No No	11	
Edmonton, Beulah Rescue Home Edmonton, General	H4	121	1 10	1 00	00	21219	1 18	10	111	11-	ir ir i	6 1 1 2	89 98	111	No No Yes	9	No No Yes	No	26
Edmonton, General, T.B. Division	-	1	-	1	1	-			-	-	-		1	-	-		-		1

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Edmonton, General, Polio Division Edmonton, Misericordia Edmonton, Royal Alexandra Edmonton, Isolation Edmonton, Isolation Edmonton, St. Joseph's Edmonton, University of Alberta: (a) Civilian (b) S.C.R. (c) Orthopsedic	\$1.12 BENEVE OF BUILD BUILD AND STATE OF	Nordegg, General

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		Graduated during the year		233
		Affiliation with other anothutitanI		
		Training School	NN	
		No. of Doctors	8 10	199
		Medical	NO CONTROL OF CONTROL	
		Total	911691109118868811891169	3472
	Others	Employees All other	99101 411410 611114194199	1118
	Oth	Orderlies and Ward Helpers	H049H0H	253
	Dietitians	Student		10
	Dieti	Graduate	111111111111111	21
		Affillates	-	18
FF	ses	Probationers	111111111111111111111111111111111111111	104
STAFF	Nurses	Student		776
		Graduate	410405040041000101-000410104004	775
	lai	Technicians		86
	Professional	Interns		38
	Pr	Salaried	111111111111111111111111111111111111111	29
	Administr'n	Clerical		158
	Admin	Ехеспиле		86
		Hospital	Peace River, Municipal Pincher Creek, St. Vincent's Provost, Municipal Radway, St. Joseph's Red Deer, Municipal Rimbey, St. Paul's Rocky Mountain House Smoky Lake, George McDougall. Spirit River, Holy Cross St. Paul, St. Theresa Stettler, Municipal Trochu, St. Mary's Turner Valley, Oilfields General Vermilion, Municipal Viend, Municipal Viling, Municipal Wayne, General Wayne, General Wastlock, Immaculata Westlock, Immaculata Westlock, Immaculata Westlock, Immaculata Westlock, Immaculata Westlock, Community	Total

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Medical		Male	238 738 86 886 881 881 881 882 474 1076 474 118 118 118 118 118 118 118 118 118 11
		Hospitals	Athabasca, Municipal Banff, Mineral Springs Barrhead, St. Joseph's Barrhead, St. Joseph's Barrhead, St. Joseph's Bantey, Community Benty, Community Bonnyville, St. Louis Calgary, Isolation Calgary, Isolation Calgary, Junior Red Cross Cardston, Municipal Carreal, Esler Claresholm, Municipal Consort, Municipal Consort, Municipal Cold Lake, John Neil Consort, Municipal Consort, Municipal Coleman, Miners' Union Coronation, General Daysland, Providence Daysland, Providence Daysland, Providence Daysland, Rescue Home Eckville, Medicine Valley Community Eckville, Medicine Valley Community Eckville, Medicine Valley Community Edmonton, General Edmonton, Risercordia

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	or	Lemale		63	563				178	220	889	23	-	27	131		65	178	199	30	010	10	81	100	629		398	21	T
las	Minor	Male	-	63	806	1		i	916	61	99	44	00	133	110	-	32	210	117	42	-	23	97	922	429	-	327	199	ī
Surgical	-	Female		11	351			: 6	1111	27	14	1 ono	about 1	100	108	eport	86	09	200	500	-10	-	10 1	170	321		248	180	T
	Major	Male		11	296				227	19	121	No B	no mepor	9	912	No R	62	45	25	3 45	23	9	41	50 00	190		142	130	ī
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Medical		Male	395	158	1570	-	1000	00,	200	125	27.5	55	14	157	122	1	52	267	146	700	150	26	365	167	715	212	729	105	
		Hospitals	Isolation	Edmonton, Isolation, T.B. Division Edmonton, St. Joseph's	Edmonton, University of Alberta: (a) Civilian		(d) Polio		Edson, St. John's		1 244	Ft. McMurray, St. Gabriel's	Ft. Vermilion, St. Theresa	Galahad, St. Joseph's	Grande Prairie, Municipal	Hanna Municipal	Hardisty, St. Anne's	High Prairie, Providence	High River, Municipal	Innistan, Municipal	Jasper, Seton	Killam, General	Lacombe and District, Community	Lac la Biche, St. Catherine's	Lethbridge, Galt			Macleod General	

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Magrath, Municipal Mannville, Municipal Marwayne, Nursing Home Medicine Hat, General Medicine Hat, Isolation Mundare, General McLennan, Sacred Heart Myrnam, Municipal Nordegg, General Nordegg, General Peace River, Municipal Pincher Creek, St. Vincent's Provost, Municipal Radway, St. Joseph's Red Deer, Municipal Rimbey, St. Paul's Rocky Mountain House Smoky Lake, George McDougall Spirit River, Holy Cross Community St. Paul, St. Theresa St. Paul, St. Theresa St. Paul, St. Mary's Trochu, St. Mary's Trochu, St. Mary's Turner Valley, Oilfields General Vegreville, General Viking, Municipal Viking, Municipal Viking, Municipal Viking, Municipal Viking, Municipal Wajner, General Wajner, General Westlock, Immaculata Wetaskiwin, Community	Total

TABLE No. 5

		Mithin 48 Hours of noissimbA	244	10 m	61-	121	72	178	9	10	10	4-	4 49		121	00 0	20 0	ų.	1	000	3 62	64	25	1
	pje	From Diseases	F	11	T	-	4	11		1				-						1		1	7	T
	S	From					00		; ;					22							4	1	7	
Deaths		From Cance	10	4	2	2	24	61		10		9	ed.		-		N.	-		: 11	0		17	
De		Premature	-	-	-	.00	10	19	. 61		-	101	64		T		-1-	1			4	1	9	
	Obstetrical	Stillborn	01-4	2	-	11	19	30	4	9	7 7			2		ro		-			-		11	-
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		Mothers			-		67	NO.		1						1	-		10	-	-		11	Total .
pado	Obstetrical	stastal						23						-	-		-				-		-	
ns Devel	Obste	Mothers						6			-						-				9		N .	
Infections Developed in Hospitals		Surgical					-	12													0		10	-
Infec		Medical				11	2	63					1 1				-						10	-
		Total Operations	131 98 274	147	51	91	3234	5051		518	520	131	99	203	156	158	91	FT		144	119		1499	
		General	638	73	155 6	230	1800	3354	I	172	224	25.0	41	137	250	136	42	-		94	937		828	I
suc	ures	Closed	272	10	10 4	*	207	227	1	40	137	==	6	18	101	00	20	N		400	200	3	93	1
Operations	Fractures	Open	21 12	-		1 1	28	30	1	21:	11	1		*	- 00	4	-			O.k	0		13	
-	S	Amputation	62 14 63			201	43	75	i	-	- 00	-		3	-	60	9	4			13		21	
Surgica		Curettages		10.01	1000	4 60	175	129	1	18	19	-	#	7	4	2000	9	-			202		43	1
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		IsnimobdA	24	10		26	844	864	I	252	132	25.0	12	41	12	000	12	14		45	202		375	
		Hospitals	Athabasca, Municipal Banff, Mineral Springs Barrhead, St. Joseph's	Bassano, Municipal Bentley, Community		le e	Calgary, General		Calgary, Junior Red Cross	er.	Carmore, Cannore	Carmangay, Little Bow Municipal	Cereal, Esler	Claresholm, Municipal	Cold Lake, John Neil	Consort, Municipal		Daysland, Providence		Didsbury, General	Drumneller, Municipal	Edmonton, Beulah Rescue Home	Edmonton, General Edmonton, General T.B. Division	General,

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Edmonton, Misericordia Edmonton, Royal Alexandra Edmonton, Isolation, T.B. Division Edmonton, St. Joseph's Edmonton, St. Joseph's Edmonton, University of Alberta: (a) Civilian (b) Orthopaedic (c) S.C.R. (d) Polio (e) T.B. Division Edson, St. John's EMPROSI, John's EMPROSI, John's EMPROSI, St. Gabriel's Ft. Smith, General Ft. Vermilion, St. Theresa Galahad, St. Joseph's Grande Prairie, Municipal High Prairie, Providence High River, Municipal Laccombe and District, Community Lac la Biche, St. Catherine's Lethbridge, Galt Lethbridge, St. Michael's General Lethbridge, St. Municipal Macleod, General Macleod, General Macleod, General Macleod, General Macleod, General Macleod, General Marwayne, Nursing Home Medicine Hat, Isolation Mundare, General Mundare, General Medicine Hat, Isolation Mundare, General Mundare, General Mundare, General	Myrnam, Municipal Nordegg, General Olds, General
Edmonton, Co S.C. I. C. S.C. I. C. S.C. I. Edson, St. Elk Point, Empress, C. Fairview, C. Ft. Yermill, Grande Pra Grande Pra Grande Pra Grande Pra Grande Pra Grande Manna, Munifah River, Innistail, Munistail, Muschond, Ge Macleod, Ge Macleod, Ge Macleod, Ge Macleod, Ge Macleod, Ge Macleon, Ge Macleon, Ge Macleon, Ge Macleon, Ge Mundare, G Mundare, G Mundare, G McLennan, S	Norde, Olds,

TABLE No. 5-Continued

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	ple	From Communical Diseases		89
	5	From		12
Deaths		From Cance	070 01-0 F 441-0-0 0	405
De		Premature	M4H44	165
	Obstetrical	Stillborn	10 100 104 10401000HH000HH	292
	Obste	Newborn	8 H H H H 4 4 1 H H	165
		Mothers		26
pado	Obstetrical	stasiai		20
Devel	Obste	Mothers	8,	45
Infections Developed in Hospitals		Surgical		82
Infec		Medical	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	54
		Total Operations	231 1447 107 107 107 108 118 119 119 119 119 119 119 119 119 11	41436
		General	145 145 145 145 145 145 145 145 145 145	2615 25337
suo	Fractures	Closed	113 131 131 131 131 131 131 131 131 131	-22
Operations	Frac	Open		333
1000	S	Amputation	1001181188 1463 2341132	493
Surgical		Curettages	66 54 54 54 54 54 54 54 54 54 54 54 54 54	1213
	[gal	Gynaecologi not includin Curettages	840 470 1 198 80 870 1 10 10 10 10 10 10 10 10 10 10 10 10	2133
		IsnimobdA	242 135 125 125 125 125 125 125 125 125 125 12	8820
		Hospitals	Peace River, Municipal Pincher Creek, St. Vincent's Provost. Municipal Radway, St. Joseph's Red Deer, Municipal Rimbey, St. Paul's Rocky Mountain House Spirit River, Holy Cross Community St. Paul, St. Theresa Stettler, Municipal Trochu, St. Mary's Turner Valley, Oilfields General Vegreville, General Vina, Our Lady's Vilna, Municipal Westlock, Immaculata Westlock, Immaculata Westlock, Immaculata Weltskiwin, Community	Total

		Water Suppl Tested Bacteriologic	Yes
		Pasteurized Milk Supply	NOO
		Bacteriologi Examination Sterilized Dressings	
		Blood taken Wasserman	282 1082 1082 1083 1083 1083 1083 1083 1083 1083 1083
	st	X-Ray Examination	282 2837 106 2837 106 282 941 287 128 330 330 330 330 330 330 330 330 330 33
	st	Laboratory Examination	1636 329 232 232 21209 31574 404 1966 657 50 555 150 953 85 360 2723
	ple	H səlsqotuA	12 1
		Spinal Anae thetics Give	877 188 188 188 188 127 12 12 14 14 14 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18
		General An	252 253 254 255 2635 2635 2635 2635 2635 2635 2635
	xeluding	Lemale	4408 27 8 11 12 12 12 12 12 12 12 12 12 12 12 12
DEATHS	Total es Stillb	Male	111 122 138 138 138 138 148 152 152 152 152 152 152 152 152 152 153 154 155 155 155 155 155 155 155 155 155
DE.	Within 10 days from Surgical Operation	Percentage to Total Operations	1.36 1.96 1.96 1.35 1.35 1.35 1.39 1.39 1.39 1.39 1.39 1.39
	Withir from S Ope	Number	
		Hospitals	Athabasca, Municipal Bantf, Mineral Springs Barrhead, St. Joseph's Bassano, Municipal Berntley, Community Bernyn, R.A.P. Bonnyville, K.H.P. Bonnyville, St. Louis Calgary, General Calgary, Holy Cross Calgary, Holy Cross Calgary, Junior Red Cross Calgary, Junior Red Cross Calgary, Junior Red Cross Calgary, Little Bow Municipal Carmore, Cannore Carnore, Cannore Cardston, Municipal Castor, Our Lady of the Rosary Cercal, Esler Claresholm, Municipal Costor, Our Lady of the Rosary Cercal, Esler Claresholm, Municipal Costor, Our Lady of the Rosary Cercal, Esler Claresholm, Municipal Coleman, Miner's Union Coleman, Miner's Union Consort, Municipal Coronation, General Daysland (Incurables) Desmarais, St. Martin's Didsbury, General Dryshubeller, Municipal Eckville, Medicine Valley Com- munity Edmonton, General

TABLE No. 5a

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FW	thin Ope	Within 10 days from Surgical Operation	S Total es	excluding			ple	St	SI				
Number		Percentage to Total Operations	Male	Lemale	General An thetics Given	Spinal Anaet thetics Given	H səisqotuA	Laboratory	X-Ray Examination	Blood taken	Bacteriologic Examination Sterilized Dressings	Pasteurized Milk Supply	Water Suppl. Tested Bacteriologic
			00	16	1	-		1	1	-1	1	Yes	Yes
30	-	833	84	138	3355	330	149	27485	2498	6989	144	Yes	Yes
[11		111	40%	1126	11 9	111		401	0	181		Yes	Yes
49		1.35	106	72	2119	11	123	35088	13870	3533	47	Yes	Yes
11		11	200	11	11	11	11	11	11	11	11	Yes	Yes
1 1		1 1	101	11		11				11		Yes	Yes
ro		1.54	13	46	133	37	.01	83	241	96	63 63	No No	Yes
		.98	410	62 64	88	14		16	162	355	0101	No No No	Yes
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1	-	1	CO F	1	4.8	-		120		1		No	No
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1		-	_E	eport 2	02	-	No H	Report	47	-	No B	No	No
		207			69	38		328	117	22	4	No	Yes
4-6		305	26	16	282	69	0.4	412	440	160	9 4	Yes	Yes
		293	7.4	6 23	33	200		92	172	-	201	No No	Yes
11	-	11	10 4	- 23	36	9 4		180	202	10	470	Yes	Yes
1			20	6 61	208	27		374	173	65 4	40	No	Yes
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8 128111198 8888887-048848891771718	1200
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244 244 244 244 244 244 244 244 244 244	.63
	265
Lethbridge, Galt Lethbridge, St. Michael's Lethbridge, St. Michael's Loydminster, Municipal Magrath, Municipal Magrath, Municipal Manwayne, Nursing Home Medicine Hat, General Medicine Hat, General Medicine Hat, Isolation Mundare, General Myrnam, Municipal McLennan, Sacred Heart Myrnam, Municipal Nordegg, General Olds, General Peace River, Municipal Peace River, Municipal Radway, St. Joseph's Red Deer, Municipal Radway, St. Paul's Rocky Mountain House Smoky Lake, George McDougall Spirit River, Holy Cross St. Paul, St. Theresa Stettler, Municipal Vegreville, General Vegreville, General Vegreville, General Vegreville, General Vegreville, General Vermilion, Municipal Vilina, Our Lady's Viling, Municipal Wainwright, Municipal Wainwright, Municipal Washey, General Wastkiwh, Community Willingdon, General	Total

FABLE No. 6

		The state of the s						-
Hospitals	Salaries and Audit	Board	Office	Stationery, Printing, Postage	Telegraph and Telephones	Insurance	Sundry	Total Adminis- tration
Athabasca, Municipal	\$ 1,359.72	\$ 425.10	\$ 170.82	\$ 276.11	\$ 152.64	\$ 308.21	\$ 339.32	\$ 3,031.92
99	300.00		19.90	200.75	115.00	113.15	90.25	819.15
Bassano, Municipal	1,200.00	439.20	***************************************	255.89	136.18	240.90	206.97	2,479.14
Bertuey, Community Berwyn, R. A. P.	335.00	251.20		171.99	105.507	149.54	280.79	1,254.59
Bonnyville, St. Louis	400.00	**************************************	45.20	32.10	108.25	92.32	9.21	632.60
Calgary, General	16,668.03		TO:01	5,597.45	1,758.97	1,568.19	1,084.71	26,677.35
	5,555.94	7 476 90	919 91	200.00	174.74	450.96	11 414 63	6,431.64
Calgary, Holy Cross	779.85	1,476.30	80-210	F1.656.5	195.08	377.57	565.10	1,917.60
	1,123.00	848.17	320.92	353.79	222.52	108.50	124.72	3,101.62
Camrose, St. Mary's	985.00		67.00	243.60	303.33	393.10	00.010.00	1.925.03
	863.30	252.00		364.98	187.02	172.75	418.20	2,258.25
Carmangay, Little Bow Municipal	355.00	216.40	40.54	155.27	120.66	257.45	96.85	1,242.17
Castor, Our Lady of the Rosary	1,000.00			35.46	161.64	1000	49.81	246.91
Claresholm, Municipal	1,275.00	289.60	33.61	194.54	130.35	257.41	29.84	2,210.35
Ei.	00 000		***************************************	73.88	78.56	8 50	219.60	538.16
Coleman, Municipal	465.00	184.40		150.09		97.43		1,012.94
Coronation, General	00000	No Report		15.10	No Report	990 64	96 30	1 199 40
	00.009		***************************************	18.00	66.611	10.022	07.00	18.00
Didsbury, General	240.00			119.40	132.99	20.00	15.92	558.31
	3,757.20	967.15	320.94	1,109.70	251.08	1,239.86	1,865.02	9,510.95
Eckville, Medicine Valley Community Edmonton Benjah Rescue Home	1.138.00		11.86	143.14	71.70	198.34	942.31	2,505.35
Edmonton, General	12,681.33	25.00	1,390.24	2,353.52	1,072.74	1,205.18	4,173.38	22,901.39
	10,215.30		5.149.58	8.267.85	1.705.11	5.574.27	6.715.63	72,932,73
Edmonton, St. Joseph's	941.35	1,307.45		139.57	107.41	220.90	1.234.80	3,951.48
	25,493.71		396.95	4,180.69	3,385.36	2,895.38	6,366.09	2.060.51
Edson, St. John's Filt Doint Mimicipal	830.00	387.70	11.50	395.77	104.96	278.45	754.38	2,762.76
	700.26	00 00	10.00	94.47	95.06	150.75	155.23	1,205.77
Fairview, Community Ft. McMurray, St. Gabriel's	500.00		93.90	41.01	7.53			642.44
Ft. Smith, General		No Report	5.00	2.50	No Keport	29.50		41.00
Galahad, St. Joseph's	780.00	527 80	36.68	50.00	89.34	98.40	283.41	1,054.42
Grande Prairie, Municipal	01:010:10	001100	PAROLES	1012.10				

3,982.34	475.62	2,249.37	3,169.94	1 999 98	1 962 51	441 00	00.1FF 000 0	11.050.2	492.66	7,905.56	11,843.48	335.75	11,570.08	3,467.58	1,392.77	886.66	897.05	30.72	13,669.66	17.74	1.239.60	1.572.74	1.215.78	206.64	705.18	2.016.50	419.10	1.763.67	2,255.99	3.092.40	835.32	780.81	591.63	1,049.00	2,536.44	4,029.46	507.36	498.84	2,738.71	2,860.45	2,107.44	1,673.26	1,835.81	2,282.76	1,652.90	427.61	2,106.09	879.52		\$ 420,039.51
226.80	168.85	A CONTRACTOR OF THE PARTY OF TH	104.78	212.00	1 00	905 19	144.01	T6-8-8-T	ALCOHOLD STATE OF THE PARTY OF	406.34	1,729.76	186.73	1,765.94	283.52	334.34	192.17	169.68	- Antonomia	7.642.63		24.50	170.14	89.75	24.00	00.20	22.15	04:00		270.57								Annual Annual Control of the Control	***************************************								55.00		11.64	The same	\$ 70,025.50
90.00	78.15	1,087.13	314.61	100.80	911 33	10.60	010.00	010.00	241.90	- Committee	782.46	32.76	709.49	429.39	20.35	37.80	125.90	Annicona.	518.33	17.74	76.00	242.25	Contract of		109 07	258.69	78.00	260.19	233.16	392.67	87.46		ALL CONTRACTOR	00.09	165.81	754.79	183.66	128.59	150.00	286.53	264.40	86.03	187.50	144.00	305.51	***************************************	446.96	52.10	K	\$ 36,146.39
25.07																					102.80	72.95	66.02	26.63	90.53	145.08	60.50	155.63	132.94	170.10	104.55	102.95	74.89	20.00	109.59	173.14	30.85	166.75	149.25	107.72	123.23	97.23	117.80	106.16	211.39	145.80	126.21	110.41	188	\$ 22,213.61
44.92	120.16	303.64	246.83	61 63	64 19	14 60	991 17	201.11	206.88	840.60	2,113.43	43.71	634.22	98.999	300.23	160.85	127.58	14.87	1,604.70		111.83	74.31	277.07	142.51	53.96	270.73	280.60	347.56	281.98	242.04	101.79	259.36	76.10	125.00	350.97	549.72	32.85	189.50	514.35	240.17	474.59	95.13	257.21	532.48	154.48	26.00		77.68	100	\$ 48,039.98
52.96		***************************************	189.87	18 99	00.01	11 95	00.77	00.00	1000000	582.06	441.62	36.55	361.80	- Continues	100.00	45.58	12.81	- Andreasement	A CONTINUES		24.47	53.09	25.84	13.50	68.75	.25		98.19	237.34	8.60	227.14	***************************************	43.40	24.00	239.32	Annananana C	- The second	14.00	337.90	389.43	THE PERSON NAMED IN COLUMN 1	45.06	7.14	494.87	117.44	200.81	494.83	15.60		\$ 14,420.49
870.40		***************************************	493.40	909 80	00.707		941 60	00.110	The A dies	214.07	***************************************	***************************************	Andrews Co.	172.40		116.20	255.80	- STEEDSTONE .	- territories	***************************************			164.10		22.50	459.60		319.60			- The second sec	- comment	***************************************	- Carrierania -	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM	653.72	***************************************		THE PERSON NAMED IN COLUMN TO PERSON NAMED I	524.00	387.75	149.89	400.10	412.20	***************************************	Attendance .	131.60	- Transmission		\$ 14,283.00
1,850.00	0000000	840.00	1,5500	360.00	922.84	Outer O. Y.	020 000	00.000		5,374.67	5,874.05	Nonemannia .	7,363.45	1,700.00	480.00	270.00	125.00	***************************************	3,904.00		900.00	00.096	600.00		275.00	860.00		553.00	1,100.00	2,100.00		- The second sec	and a property of	720.00	1,440.00	970.82	200.00		1,587.21	675.00	600.00	00.009	00.009	420.00	760.00	- ADDITION OF THE PERSON OF TH	876.72	00.009		\$ 214,910.54
Grimshaw, Battle River Hanna, Municipal	Hardisty, St. Anne's	High Plante, Providence	Innisfail. Municipal	Islay, Municipal	Jasper, Seton			Lac la Richa St Catherine's		Tallion, Fublic management of the state of t		Lethbridge, Isolation	Lethbridge, St. Michael's General	Lloydminster, United Municipal	Macleod, General	Magrath, Municipal	Mannville, Municipal	Marwayne, Nursing Home	Medicine Hat, General	Medicine Hat, Isolation	Mundare, General	McLennan, Sacred Heart	Myrnam, Municipal	Nordegg, General		Peace River, Municipal	Pincher Creek, St. Vincent's	Provost, Municipal	Radway, St. Joseph's	Red Deer, Municipal	Rimbey, St. Paul's	Rocky Mountain House	Smoky Lake, George McDougall	Spirit River, Holy Cross Community	St. Faul, St. Ineresa	Stettler, Municipal	Irocnu, St. Mary's	Turner Valley, Ollheids General	vegreville, General	Vermillon, Municipal	viking, municipal	Vilna, Our Lady's	Vulcan, Municipal	Wainwright, Municipal	Wayne, General	Westlock, Immaculata	Wetaskiwin, Community	Willingdon, General	E	Total

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	Profes	Professional Care of Patients	atients	Kitch	Kitchen and Dining Room	Room	
Hospitals	Salaries	Supplies	Total	Wages	Food Supply		Total
Athabasca, Municipal	\$ 6.379.42	\$ 2,406.21	\$ 8,785.63	\$ 768.50	\$ 3,105.74	co-	3,874.24
Barrhead, St. Joseph's	7,073.60	1,725.18	8,798.78	2,294.90	4,185.07		6,479.97
Bassano, Municipal	6,154.13	1,300.47	7,454.60	653.40	3,541.87		4,195.27
Berwyn, R. A. P.	2.832.29	498.10	3,330.39	427.30	1.561.09		2.004.42
Bonnyville, K. H. P.	3,597.50	773.62	4,371.12	474.00	2,163.58		2,637.58
Bonnyville, St. Louis Calgary, General	3,450.00	35.807.14	4,105.05	1,690.00	1,784.50		3,474.50
Isolation	12,660.45	1,429.20	14,089.65	2,220.69	12,281.04		14.501.73
	14,258.54	5,576.87	19,835.41	3.742.67	6.941.21		0.683.88
	6,061.25	1,470.49	7,531.74	1,680.25	5,501.16		7,181.41
Camrose, St. Mary's Canmore. Canmore	2.447.50	4.144.23	6.591.73	3,470.00	3.896.51		4.828.71
H	8,054.90	4,190.62	12,245.52	1,453.41	6,199.92		7.653.33
Carmangay, Little Bow Municipal	3,220.55	1,470.39	4,690.94	1,115.19	1,643.88		2,759.07
Careal Esler	1,918.42	907.50	9,371.23	691.43	4,009.66		4,469.66
Claresholm, Municipal	9,649.29	3,493.10	13,142.39		5,603.20		6,442.73
Cold Lake, John Neil	4,264.61	1,634.33	5,898.94		2,298.41		2,776.91
Consort, Municipal	3,677.56	1.105.86	4.783.42	834.98	2,145.55		3,100.55
Coronation, General		No Report			No Report		-
Daysland, Providence	2,719.00	634.27	3,353.27	1,007.72	2,857.38		3,865.10
Didsbury, General	3.447.32	1.260.31	4.707.63	730.05	1 715 81		795.00 2 445 86
Drumheller, Municipal	24,364.01	4,733.06	29,097.07	3,230.58	16,102.52		19,333.10
Eckville, Medicine Valley Community	2,150.34	1,575.99	3,726.33	324.65	1,800.53		2,125.18
Edmonton, Beulan Rescue nome Edmonton, General	93,997,38	9.206.37	103,203.75	7.115.87	63.803.21		70 919 08
	28,572.63	55,798.54	84,371.17	8,185.00	41,890.55		50,075.55
Edmonton, Royal Alexandra	179,007.24	58,006.52	237,013.76	23,658.09	103,407.65	-	27,065.74
	146.524.07	82 025 81	228 549.88	20,189.11	84 799 18	-	10,676.86
	4,290.48	1,106.28	5,396.76	1.550.65	3.078.49	•	4.629.14
t, Municipal	6,327.94	2,921.19	9,249.13	739.05	4.906.39		5,645.44
Empress, Cottage Fairview, Community	3.147.31	1.333.81	4.481.12	1,130.26	1,537.81		2,668.07
Ft. McMurray, St. Gabriel's	2,639.80	369.69	3,009.49	684.80	2,363.98		3,048.78
Fort Vermilion St Theresa	1 080 00	No Report	1 999 49	140.00	No Report		1 190 00
Galahad, St. Joseph's	4,904.00	987.16	5,891.16	755.00	2.576.12		3.331.12
Grande Prairie, Municipal	12,064.99	5,594.89	17,659.88	1,708.86	7,645.88		9,354.74

2,422.52	9,439,31	7.890.14	10,652.95	6,585.17	2,100.33	3,594.41	1,564.99	4,709.83	2,682.32	16,224.27	34.377.22	1.029.91	30.021.12	14.658.39	7,560.60	2.249.98	3,064.90	979.72	26.373.19	863.65	2000 55	5 491 47	2,470.56	00:01E.5	99 809 68	A 120 A1	4.005.60	4.246.24	7.310.50	8.052.59	3,100.80	3,250.97	1,764.10	1,955.00		5,627.56	2,095.37		14,498.86	5,741.42	5,851.24	2,738.90	4,435.37	4,971.82	4 204 70	7.046.70	3,220.36	\$1 037 190 09	data data da
1,693.29	9 259 56	6.578.14	9.346.85	5,284.17	1,701.23	2,264.41	1,349.84	3,814.83	2,082,32	14,371.53	26,699.64	816.78	23.637.90	11,739.49	6,006.62	1,506.98	2,424.10	979.72	23,192,44	863.65	3.289.55	4.197.47	2.135.56	2 459 91	1 858 63	2 504 12	2.005.60	3,170.24	5,393.80	6,486.89	2,286.08	2,500.97	1,315.40	1,355.00	3,415.64	4,673.62	1,555.37	3,790.45	12,762.86	4,924.42	3,608.49	1,973.97	3,368.77	9,121.12	2 000 70	5,300.40	2,590.91	\$ 821 214 03	1
729.23	1,062.50	1.312.00	1.306.10	1.301.00	399.10	1,330.00	215.15	895.00	00.009	1,852.74	7.677.58	213.13	6,383.22	2,918.90	1,553.98	743.00	640.80		3.180.75		00'009	1.294.00		919.35	1.034.35	696 98	2.000.00	1.076.00	1.916.70	1.565.70	814.72	750.00	448.70	600.000	1,440.00	953.94	540.00	166.03	1,736.00	517	2,242.75	06.90	866.60	01.000.1			629.45	\$ 215.976.06	П
3,579.42	2 549 23	9,220.56	14,515.83	12,010.93	3,585.31	6,112.49	3,791.85	8,478.36	4,843.92	20,003.70	34,737.71	1,304.62	30,513.57	19,576.42	8,074.57	3,075.97	4,730.30	1,390.11	33,958.50	1.278.55	6.784.86	5.558.48	8.885.86	4 079 70	4.859.63	6.380.10	4.172.12	6.984.68	9,100.30	14,572.28	3,660.04	6,455.81	5,648.04	4,050.00	8,785.46	11,000.79	9,389.30	9,870.18	13,816.60	9,048.20	6,253.98	4,151.51 E 970.10	0,010.19	6,213.00	4 498 65		6,513.92	\$1,600,380,04	A with a cite and a cite a
782.64	5,230.32	2.405.61	4,466.76	2,821.50	1,006.76	1,296.62	510.50	2,019.26	1,063.92	8,655.63	9,604.53	62.19	9,774.31	4,587.67	2,676.04	1,016.30	1,292.53					1.838.48	1.831.25	881 90	1.002.00	1.787.18	1.172.12	2.190.48	3,379.89	695	675.15	1,608.06	1,055.04	750.00	1,172.41	2,096.30	06.081,1	10.110.1	09,466.60	10.150,2	2,133,12	1 294 14	1.929.19	1 964 14	1 591 65	5.646.75	1,328.65	\$ 484.602.62	н
2,796.78	2,685,00	6.814.95	10,049.07	9,189.43	2,578.55	4,815.87	3,281,35	6,459.10	3,780.00	11,348.07	25,133.18	1,239.43	20,739.26	14,988.75	5,398.53	2,059.67	3,437.77	1,180.58	23,755.04	1,150.75	5.534.82	3.720.00	7.054.61	3 197 80	3.857.63	4.592.92	3.000.00	4.794.20	5,720.41	10,876.60	2,984.89	4,847.75	4,593.00	3,300.00	7.613.05	8.304.23	0,803.00	0,530.01	3,330.00	4 150 00	4,120.86	4 646 05	4,040.03	4 184 80	9 907 00	9.504.50	5,185.27	\$1.115.777.42	
Grimshaw, Battle River Hanna, Municipal	Hardisty, St. Anne's	High Prairie, Providence	High River, Municipal	Innistall, Municipal	Islay, municipal		Alliam, General	Lacombe and District, Community	Lac la biene, St. Catherine's	Lamont, Public	Lethbridge, Galt	Lethbridge, Isolation	Lethbridge, St. Michael's General	Lloydminster, Municipal		Magrath, Municipal	Mannville, Municipal	Marwayne, Nursing Home	Medicine Hat, General		reneral	McLennan, Sacred Heart	[unicipal	Nordegg, General	- 100		Pincher Creek, St. Vincent's	Provost, Municipal	Radway, St. Joseph's	Red Deer, Municipal	Rimbey, St. Paul's	Rocky Mountain House	Smoky Lake, George McDougall	Spirit River, Holy Cross Community	ot, Faul, ot, Ingresa	Proches & Mannie			Vormilion Minicipal	Viking Minicipal		Vulcan, Municipal	Wainwright Minicipal	Wayne, General	Westlock, Immaculata	Wetaskiwin, Community	Willingdon, General	Total	

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Total		4.538.35	2 466 64	4.648.92	806.75	2,241.94	3.194.44	41,402.99	2,991.34	47,238.88	4.338.42	8,363.32	828.71	5,564.17	1,696.56	575.23	4,002.58	2,434.03	2,557.87	2,405.44	3,399.12	1,404.20	2,046.72	1.232.47	3,412.27	91,668.62	41,866.59	3 143 95	58.824.46	4,475.06	6.527.61	3 114 66	4,146.83	01 000	3.484.38	6,881.87
Sundry		8				02.4.70	00.4.10							***************************************			12.50	***************************************		***************************************					940.43	-		68.85	2000		907.25	159.55	20.001			
Ice and	Water	10	161		and the same		38.44	2.0		4,211.70	251.87	1,340.65	30.00	90.20	141.00	24.50	248.73	25.00	22 720	504.00	-	89.00	153.50				2,010.61		0.0	201.65	133.05	9.10	63:33		20.00	.55
Light	Power	\$ 725.70	328.01	682.46	174.04	715.12	438.00	3,088.08	346.29	3,792.49	992.88	889.51	329.00	1,154.62	550.60	123.92	796.58	779.89	313.45		613.17	95.15	281.57	267.72	262.65	3,354.24	2,895.60	853 65	18,729.95	678.50	1,200.00	1 069 40	764.65			1,646.92
Fuel		1,261.92	738 99	847.20	215.86	675.95	420.00	8.238.17	865.00	9,757.48	949.19	1,244.99	277.61	812.50	403.62	238.20	674.60	323.06	198.18	t 012		287.30	1 105 75	413.54	744.88	6,613.55	6,367.30	1.479.15	591.79	671.47	1.861.09	683 65	886.05	port	600.00	3,177.70
& Janitor	Supplies	5.25	89.00	74.06	-	6.50	54.00		100	351.85			The second second	57.19	49.00	74.23	154.38	60.00	79.15	No Repor			1 190 79	1,123.10	59.28		2,692.99	10.001.1	709.71	33.50	40.83	14.75	113.62	No Report	-	
10	Wages	955.74 \$	5,115.21	974.00	40.35	381.00	1.000.00			13,409.81	1.032.75	900.00	120.50	1.095.00	409.10	85.00	530.00	900.00	1,040.00	00.616	922.49	325.00	158.50	216.60	831.65	56,900.33	5,495.00	09,000,00	9.212.45	1,299.42	546.25	285.00	900.006		550 00	1,103.28
ılry	Supplies		365.00	628.55	24.00	57.35	192.00	1,313.68	24.00	1,395.17	572.97	184.96		497.16	294 70	2	253.29	126.58			102.57	102.50	295 02	66.76	100.00		1,280.89		2,144.23	180.18	366.86	58 05	251.54		47.55	170.09
Laundry	Wages	771.95	C2.920'T	500.00	The same	150.00	690.00	11,291.71	378.75	1,689.58	599.00		71.60	1,334.00	241.20	29.38	749.00	219.50	1 070 70	ort,		205.25	900.000	267.85	81.00	2,988.02	2,735.00	142.30	11,935.61	297.00	550.60		341	oort	900.00	523.25
seping	Supplies	84.85 \$	-	249.40	-	99.55	62.00	7,834.39	1,082.56	4,407.65	493.66	1,307.89					162.50		327.09	No Ret	344.60	***************************************	1 014 91	1,012.61	229.13	3,723.72	2,452.38	4,313.34	2,114.01	513.34	480.73	147.38	264.21	No Rel	73 47	
Housekeeping	Wages	273.66 \$	500.00	387.25	352.50	145.97	300.00	7.559.90		61.526.6	146.10	2,495.32		523.50	200 000	00.000	421.00	***************************************			374.52	300.00	9 450 97	2,900.31	107.25	14,683.86	15,936.82	600.009	9.989.77	00.009	440.95	-	560.82	-	00 006	260 08
Hospitals		Athabasca, Municipal \$	Barrhead St Joseph's	Bassano, Municipal	Bentley, Community	Berwyn, R. A. P.	Bonnyville, St. Louis	Calgary, General		Calgary, Holy Cross	Calgary, Salvation Army Grace	-		Cardston, Municipal	Costor Our Lady of the Reserve	Cereal. Esler	Claresholm, Municipal	Cold Lake, John Neil	Coleman, Miners' Union	Coronation. General	Daysland, Providence	Desmarais, St. Martin's	Didsbury, General	Eckville Medicine Valley Community	Edmonton, Beulah Rescue Home			Edmonton, Noyal Alexandra			pal	Empress Cottage	Ft. McMurray, St. Gabriel's	Ft. Smith, General	Fort Vermillon, St. Theresa	Grande Prairie, Municipal

00 010 1	1,716.38	6,704.98	8,383.03	24.690,6	07.020.70	3,385.20	2,413.01	6.060.90	2 896 77	51	205.07 17,385.83	19,096.44	344.98	14 419 89	00.011.11	01.11970	3,092.36	1.336.74	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.00.00	97.86)	16,461.73			525.42 2,525.51		20.70 1 796.04	10000 1	7	260.70 1.249.88	P	4,000.00	09,106,8	3,286.97	5,303.03	8.456.41	3 470 90	00					8.75 4.994.26					4.763.23	6	-	T,000.00	20	88.59 2,639.69	2,593.02	3,219.57	688.72 5,196.45	437.80 3,366.56		4,821.83 \$790,228.28
105.80	Name and A	135.00	239.13	414 90	111.30	266.08	- Annahamman	440.34	161 80	00.101	820.10	1,487.39		1 079 00	4,010.00	The same	120.00	81.05		00.00	12.60				- manufacture -	88.00		00 07	18.00		900 10	01.000	99.40			609.45	00000		The state of the s	200.99	125.00	81.00	120.00	27.04	10.04	- continue	691.28									328.29			33.623.19 \$
1,737.26	471.51	1,017.10	1,828.12	10.155	134.10	452.99	225.39	596.04	1 001 90	T,000,000	90.879	2,290.15	121.18	1 890 00	1,020.00	1,040.05	805.20	244.75	200 00	00.00	100.72	3.008.26	130 69	20.001	473.27	777.57	909 70	000.10	211.67	257.36	000 72	000.10	304.30	710.37	380.70	1.987.38	260.19	600 50	057.30	463.81	175.00	663.12	1.009.00	900 25	200.00	336.10	989.16	1.122.97	601 15	001.100	21.00	940.08	756.21	525.53	908.65	639 24	284.67	-	\$98.571.23 \$
891.89	483.50	1,442.50	1,791.69	1,310.50	369.20	482.63	317.11	1.229.39	950 17	17.000	4,623.77	3,063.25	223.80	9 509 97	6,000.00	24.201,2	1,084.80	208.11	000 000	000000	206.70			10000	569.04	713.76	976 56	00.010	400.91	345.94	601 40	051.43	260.40	1,307.70	1.349.32	1 998 88	502 66	200.00	500.43	614.39	400.00	871.81	790.03	410.00	410.00	65.76	2.015.30	1.067.98	666 70	2000.00	2000.28	508.63	802.65	335.17	641.92	1 038 70	430.10	0.000	20,059.20 \$115,673.60 \$98,571.23 \$
41.46		***************************************		148.34	13.56	Annual Property and the Property of the Proper		169.50	20.001	- CONTRACTOR	600.12	616.78		01 000	27.000	STATE STATE OF THE PARTY OF THE	70.60	3.75	0					THE PERSON NAMED IN COLUMN	418.00	95 36	100.00	130.10	- Transporter -		00 00	30.30	80.50	94.45	733.50	44 96	40 17	10.11	205.18	4.50	00.09	100.82	178 94	10.04	19.34	***************************************	196.13	99 46	991 67	10.155	1.85	5.65	62.30	9.62	163.00		119.63	00:011	
		1,602.63						1 470 00	000000	202.00	4.767.60	3.092.43		4 700 00	4,766.02	1,360.00	43.20	996 68	00.000	611.70	98.24	9 700 00	200.00	- Annual Contract of the Contr	-	1 565 00	1,000.00	CJ:167		201 83	00.100	928.28	580.50	610.25	1 020 85	1 076 65	1,010.00	017.00	1,103.00	82.666	120.00	280 00	1 149 96	00.000	720.00		1.041.00		240.00	00.040	00.009	851.00					224 00		\$195,268.16\$
433.25	216.12	307.75	357.58	124.81	22.26	163.50	77.42	85.14	4 40 40	143.42	929.57	1.289.34	-	010 40	619.42	323.34	108.04	16 50	10.00			228 822	00.000	and a second	160.47	69 58	00.70	194.89	221.00	184 05	101.00	294.86	156.40	84.20	451 10	07 636	100.40	135.00	164.21	21.99	75.00	160 86	00 200	00.00	63.01		311.50	350.20	00000	9.00	71.08	103.30	412.18	149.10	280 50	1 000 69	110.05	710.00	26,518.46 \$
		690.00										3 501 72		4 0000 04	1,870.04	1.927.50	694.84	200 40	05.000	622.17		K 704 14	2,101,0		249.50	619 00	00.210	and a second				392.07	350.60	480.00	540.00	049 05	09.750	183.61	393.00	189.68	120.00	240.00	200.00	103.00	420.00	516.89	1 740.00	A00 97	45000	450.00	156.86	453.84	475.13	510.72	300 00	90.00	290.45	05.050	52,344.25 \$107,540.08 \$26,518.46
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Total Total Running ance Cost	\$ 1,011.98 \$ 21,242.12 4,471.01 1,126.12 1,126.12 1,126.12 1,126.12 1,126.13 1,126.14 1,106.13 1,106.13 1,106.14
Sundries and Rents	\$ 29.05 230.00 59.00 1,702.28 76,078.28 76,078.28 76,078.28 76,078.28 76,078.28 76,078.28 76,078.28 76,078.28 77,022 800.40 95.76 33.72 7,051.85 8,881.96 6,038.01 1,373.93 30.38 33.75 1,373.93 30.38
Dry	\$ 1,419.82 900.22 310.05 310.0
Furniture and Equipment	\$ 277.91 265.76 119.50 146.50 172.20 173.96 18.085.88 17.030.62 17
Buildings and Grounds	\$ 2,245,64 160,00 130,26 130,26 130,26 160,00 130,26 160,00 143,24 160,00 160,00 143,24 141,83 160,00 11,489,17 1,489,17 1,489,17 1,400,03
Hospitals	Athabasca, Municipal Banff, Mineral Springs Barrhead, St. Joseph's Bassano, Municipal Bentley, Community Bervyn, R. A. P. Bonnyville, K. H. P. Bonnyville, St. Lousis Calgary, Junior Red Cross Camore, Cammore Carnore, Cammore Carnore, Municipal Carnore, Municipal Carnore, Municipal Corsort, Municipal Cold Lake, John Nell Cold Lake, John Nell Consort, Municipal Edmonton, General Edmonton, General Edmonton, Misericordia Edmonton, University of Alberta Edmonton, University of Alberta Edson, St. John's Edson, St. John's Edson, St. John's Edson, St. John's Empress Cottage Frirview, Community Fr. McMurray, St. Gabriel's

7.873.63 30.819.59 30.819.59 32.477.49 32.477.40 39.1029.65 49.651.00 17.369.20 65.078.44 17.369.25 3.341.58 8.363.49 12.186.23 12.186.23 12.186.23 12.186.23 11.143.36 11.143.38	\$4,292,365.84
2,054.13 1,567.30 6,372.35 6,372.35 2,285.44 6,38.13 3,558.68 7,755.68 7,755.68 7,755.68 7,755.68 7,755.68 7,755.68 7,755.68 7,755.68 7,755.68 7,756.78 7,756.78 7,75	\$ 444,527.92
374.94 175.73 1,475.31 227.25 34.50 1,200.00 1,444.58 109.80 141.39 128.09 141.39 141.39 150.16 366.40 1,863.25 198.25 184.47 184.47 184.47 184.47 18.19 11.86.00 279.09 279.09 279.09 25.00 273.35 100.95	\$ 121,516.23
281.16 2.082.73 658.36 357.49 228.21 130.26 245.18 1,654.16 1,654.16 1,654.16 1,49.87 149.87 65.10 149.87 149.87 1719.11 1719.	\$ 70,441.79
192.13 207.18 629.47 1,696.12 72161 683.52 117.46 133.79 1,060.43 721.61 2,652.88 144.66 102.33 83.44 1,042.65 30.45 25.00 557.57 2,338.27 2,348.38	\$ 144,244.99
400.00 1,190.85 600.40 1,118.19 1,226.66 1,226.66 1,241.44 1,570.10 1,541.44 1,570.10 1,541.44 1,570.10 1,552.50 2,252.66	\$ 108,324.91
Grimshaw, Battle River Hardisty, St. Anne's High Prairie, Providence High Prairie, Providence High River, Municipal Jasper, Seton Jasper, Seton Jasper, Seton Jasper, Seton Lethbridge, St. Catherine's Lac la Biche, St. Catherine's Lethbridge, Galt Lethbridge, Galt Lethbridge, St. Michael's General Madcleod, General Marwayne, Nursing Home Medicine Hat, Isolation Lethbridge, Isolation Lethbridge, St. Michael's General Marwayne, Nursing Home Medicine Hat, Isolation Mundare, General McLennan, Sacred Heart Myrnam, Municipal Nordegg, General Myrnam, Municipal Pictorost, Municipal Pictorost, Municipal Pictorost, Municipal Radway, St. Joseph's Radway, St. Joseph's Radway, St. Joseph's Radway, St. Paul's Rocky, Mountain House Rocky, Mountain House Stertler, Municipal Rimbey, St. Paul's Rocky, Municipal Rimbey, St. Mary's Turner Valley, Oilfields General Vermillon, Municipal Vilna, Our Lady's Vulcan, Municipal Vilna, Our Lady's Vulcan, Municipal Wayne, General Westlock, Immaculata Westlock, Immaculata Willingdon, General Westlock, Immaculata Willingdon, General	Total

TABLE No. 7 EARNINGS OR REVENUE

	Grants	nte		-			
Hospitals	Alberta	Others	Patients' Fees	Donations, Cash and Service	Tax Requisi- tions	Sundry	Total
Athabasca, Municipal Barthead, St. Joseph's Bassano, Municipal Bassano, Municipal Berwyn, R.A.P. Bonnyville, K.H.P. Bonnyville, St. Louis Calgary, General Calgary, Junior Red Cross Caresholm, Municipal Carresholm, Municipal Carresholm, Municipal Castor, Our Lady of the Rosary Cereal, Esler Carresholm, Municipal Castor, Our Lady of the Rosary Cereal, Esler Carresholm, Municipal Cold Lake, John Neil Coleman, Miners Union Consort, Municipal Coronation, General Daysland, Providence Desmarais, St. Martin's Didsbury, General Edmonton, Beulah Rescue Home Edmonton, Beulah Rescue Home Edmonton, General Edmonton, General Edmonton, General Edmonton, St. Joseph's Edson, St. John's Elk Point, Municipal Empress, Cottage Fairview, Community Ft. Wermilion, St. Theresa Galahad, St. Joseph's	\$ 2,928.35 7,026.30 2,558.25 838.82 816.30 1,066.05 3,355.65 36,088.10 8,275.50 5,510.00 6,016.50 5,510.00 1,4356.15 1,4356.15 1,4356.15 1,272.20 1	\$ 1,214.00 3,200.00 1,250.00 1,950.00 1,963.25 900.00 5,200.00 5,200.00 1,533.00 7,000.00	\$ 8.739.24 54.772.32 20.504.50 9.532.10 7.4140.00 16.445.00 247.905.22 12.527.85 353.726.15 19.766.91 58.598.02 12.527.85 353.726.15 19.766.90 10.410.04 No Report 6.622.30 5.908.45 5.23.25 9.460.42 7.465.83 11.306.00 5.106.00 5.23.25 9.460.42 7.465.83 11.306.00 5.23.25 9.460.42 7.465.83 11.306.00 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 5.908.45 7.400.00 1.363.83 1.3835.98 1.3836.98 1.3835.98 1.3835.98 1.3835.98 1.3835.98 1.3835.98 1.3836.98 1.3835.98	\$ 6.750.30 63.73 125.00 1,320.00 1,320.00 1,4028.85 4,450.00 4,450.00 3,900.00 3,900.00 8,811.99 25,300.00 8,800.00 8,800.00 5,574.00 5,574.00 6,50.00 7,554.57	\$ 10,619.64 6,820.00 2,925.00 14,234.94 4,424.63 14,100.93 5,744.85 35,753.15 135,873.77	\$ 1.458.33 38.916.95 3.274.35 441.79 1.880.76 3.049.39 48.68 11.353.78 7.965.82 50.24 50.24 8.321.14 8.321.14 1.475.23 1.475.23 2.98.47 No Report 4.840.13 1.008.01 22.913.50 150.58 799.74 No Report 244.00 244.00 2.000.00	\$ 23,745.56 107,465.87 23,812.00 22,184.70 8,7528.30 7,174.81 20,852.03 412,103.03 412,103.03 412,103.03 412,103.03 412,103.03 412,103.03 412,103.03 412,103.03 412,103.03 17,812.25 13,812.25 13,812.25 13,812.25 13,812.25 13,812.25 13,812.25 13,812.25 13,812.25 14,456.25 14,012.23 86,652.92 86,652.92 86,652.92 86,652.92 86,652.93 14,012.23 14,012.23 14,012.23 14,012.23 14,012.23 14,012.23 14,012.23 14,012.23 18,196.11 18,196.11
Grande Prairie, Municipal	7,071.75		18,383,80	41.20	22,806.78	3,246.22	51,549.75

8,926.03 40,740.84 40,740.84 41,285.84 41,215.73 51,633.05 33,564.80 11,226.50 11,226.50 11,226.50 19,177.05 24,167.39 126,289.61 41,720.14 23,632.25 14,531.47 26,188.83 8,83.85 2,618.83 8,83.85 2,618.83 8,83.85 12,527.34 12,526.85 12,346.38 12,346.38 12,346.38 12,346.38 12,346.38 12,346.38 12,346.38 12,346.38 12,346.38 12,346.38 12,346.38 12,346.38 12,346.38 12,346.38 12,346.38 12,346.38 12,346.38 12,347.39 29,747.38 29,747.38 29,747.38 29,747.38 21,072.11 12,350.10 22,236.91 17,855.06 35,382.25 38,756.66 13,509.28	\$4.808.169.70
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5.892.58 13.561.30 11.227.69 30.534.28 11.668.15 12.561.15 3.154.50 5.035.00 5.035.00 61.909.09 98.154.80 11.122.00 61.909.09 98.154.80 11.454.12 33.347.50 11.454.12 33.347.50 11.454.12 33.315.63 33.347.50 12.95.05 8.351.07 12.926.30 12	\$3,301,918.85
2,500.00 2,500.00 3,819.75 9,849.00 3,664.00 1,539.18 2,857.50 658.27 124.39 5,089.40 150.00 150.00	\$ 138,497.67
1,114.20 3,622.05 1,800.45 1,800.45 4,255.00 1,185.30 1,185.30 1,185.30 1,185.30 1,185.30 1,185.30 1,186.55 1,686.55 1,686.55 1,686.55 1,686.55 1,667.45 1,980.90 1,980.90 1,980.90 1,980.90 1,180.35 1,400.85 1,588.05 1,588.05 1,588.05 1,334.00 1,334.00 1,334.00 1,338.60 1,338.60 1,336.00 1,338.60	\$ 530,229.13
Grimshaw, Battle River Hanna, Municipal Hardisty, St. Anne's High Prairle, Providence High River, Municipal Innisfail, Municipal Innisfail, Municipal Jasper, Seton Killam, General Lacombe and District Community La la Biche, St. Catherine's Lachbridge, Galt Lethbridge, Isolation Lethbridge, Isolation Lethbridge, Isolation Magrath, Municipal Mannville, Municipal Marwayne, Nursing Home Medicine Hat, General Marwayne, Sacred Heart Myrnam, Municipal McLennan, Sacred Heart Myrnam, Municipal Nordege, General Olds, General Peace River, Municipal Peace River, Municipal Radway, St. Joseph's Red Deer, Municipal Radway, St. Joseph's Red Deer, Municipal Rimbey, St. Paul's Recky Mountain House Smoky Lake, George McDougall Spirit River, Holy Cross Community Stettler, Municipal Vegreville, General Vegreville, General Vilna, Our Lady's Vilna, Our Lady's Vilna, Our Lady's Vilna, Our Lady's Wainwright, Municipal	Total

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	Revenue per Patient per Day	\$ 5.56 5.56 5.56 5.56 5.56 5.56 5.56 5.5
	Mainten- ance	No Report
	House and Property	22222222222222222222222222222222222222
Percentage of Cost	Kitchen and Dining Room	81222222222222222222222222222222222222
Per	Professional Care	No Report
	Adminis- tration	4447145744577458445 9 NHNBHBHBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB
Operating	Per Patient Per Day Exclusive of Capital and Reserve	8.18.20.20.20.20.20.20.20.20.20.20.20.20.20.
	Hospitals	Athabasca, Municipal Banff, Mineral Springs Barnhead, St. Joseph's Barnhead, St. Joseph's Bassano, Municipal Bentley, Community Berwyn, RA-P. Bonnyville, St. Louis Calgary, General Calgary, Holy Cross Calgary, Holy Cross Calgary, Junior Red Cross Cardston, Municipal Carrenangay, Little Bow Municipal Cartor, Our Lady of the Rosary Cereal, Esler Cardston, Municipal Cold Lake, John Neil Colororation, General Daysland, Providence Desmarais, St. Martin's Didsbury, General Drumheller, Municipal Eckville, Medicine Valley Community. Edmonton, General Edmonton, General Edmonton, Reyal Alexandra Edmonton, Nilversity of Alberta Edmonton, Nilversity of Alberta Edmonton, St. Joseph's

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Ft. Vermillon, St. Theresa Galahad, St. Joseph's Grande Prairie, Municipal Grimshaw, Battle River Hanna, Municipal High River, Municipal High River, Municipal High River, Municipal Islay, Municipal Ichtbridge, St. Michael's General Lethbridge, Isolation Lethbridge, St. Michael's General Isloydminster, United Municipal Macicone Hat, General Macicone Hat, General Macicone Hat, General Macicone Hat, General Medicine Hat, General Mondare, General Mondare, General Mondare, General Mondare, General Mondare, General Mondegg, General Nordegg, Municipal Radway, St. Paul's Smoky Lake, George McDougall Spirit River, Holy Cross Community Spirit River, Holy Cross Community Vermilion, Municipal Vermilion, Municipal Vermilion, Municipal Vermilion, Municipal Wajne, General Westock, Immaculata Wetaskiwin, Community Willingdon, General Westaskiwin, Community Willingdon, General

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	Total Deaths for births	22222222222222222222222222222222222222	611
	No. Living Births	118 132 133 133 133 150 160 160 160 177 171 171 171 171 171 171 171 171 17	3,025
Obsteirical Cases	Admitted	122 1152 203 203 203 213 244 135 135 146 146 146 146 146 146 146 146 146 146	3,177
	Non-Operative	758 258 258 258 258 258 258 258 258 258 2	691
	Medical Cases	253 173 288 288 288 388 388 382 382 383 381 381 381 381 381 381 381 381 381	9,462
	Total Surgical Operations	132 147 185 188 188 188 188 188 188 188 188 188	6.875
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	No. of Graduate including Superi dent	@@@0422v&051rssv24c440	173
	Bassinets	F0000F400008444404850000004	200
Appedi	Bed and Crib Ca	888888888888888888888888888888888888888	821
	Total Patient D During the Year	6.674 6.674 8.457 9.685 9.685 11.584 11.584 14.420 14.420 14.420 14.420 14.420 14.420 14.420 14.420 14.420 14.420 14.420 14.420 14.420 14.420 14.420 14.420 14.420 14.420 16.33 16.	13,338
pəttimi	Total Patients Ad During the Year	700 1,194 938 938 533 1,555 1,555 1,562 1,562 1,562 1,562 1,562 1,563 1,563 1,132 1,	23,926 213,338
	Revenue per Pati per Day Ex. of Capital &	\$ 333 3 11111111111111111111111111111111	\$ 3.57
	Maintenance	*	
. Kj.i	House and Prope	88 8 8 4 2 5 6 2 4 5 6 2 4 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5	
Bui	Kitchen and Din Room	* 8488888888888888888888888888888888888	
	Professional care	\$ 132 134 134 135 135 136 137 137 137 137 137 137 137 137 137 137	
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Svisul	Operating Cost p Patient Day Exc of Capital and R	8. 12. 12. 12. 12. 12. 12. 12. 12. 12. 12	\$ 3.02
	Hospital	Athabasca Bassano Cardston Cardston Claresholm Consort	Totals and Averages

Division of Social Hygiene

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

The educational feature of our venereal disease control programme has been continued. The Department Lecturer, Mr. F. T. Cook, has held 61 meetings with a total attendance of 14,500. For the Services, 38 meetings were held with an attendance of 13,000. A large quantity of literature has been distributed and educational films have been shown under the auspices of the branch, and have been loaned to school boards, health units and numerous societies and clubs. A lecturer is available on request to any organization or society in the Province.

We have consulted with more than 200 physicians in the Province concerning the management of their venereally infected patients. Throughout the Province, 35,354 doses of drugs for injections and 12,000 tablets for oral administration were distributed free to physicians.

During the year, Mrs. Hilda W. Tainton was appointed to the post of Epidemiologist, and our source of infection finding technique has been greatly improved. During the year, 468 alleged sources of infection, resident in Alberta, were reported, of whom 315, or 67%, were located and brought under treatment. That 33% of alleged sources of infection cannot be traced is unfortunate; it is believed that this figure could be very greatly reduced if we had an increase in our staff. The per capita expenditure of veneral disease control in Alberta is among the lowest in Canada, if not the lowest, and more money will have to be made available to improve the present situation. We believe that with an adequate staff we can locate at least 85% of the sources of infection. The following table indicates the success attained in the various parts of the Province:

Place	Cases	Cases	Percentage
	Reported	Located	Located
Edmonton	184	111	60%
Calgary	126	85	67%
Lethbridge	30	15	50%
Medicine Hat	12	8	66%
Rest of Province	116	96	82%
Outside of Alberta	468	315	67%
Outside of Alberta	53	9	17%

This record has been made possible by the active co-operation of the local health and police authorities. A great bulk of the field work is being done by them. I wish particularly to compliment the R.C.M.P.; they were successful in locating 82% of all cases brought to their attention. This feature of our programme goes right to the core of the venereal disease control problems; it is by far the most important single factor in bringing about a reduction in the incidence of venereal diseases.

It is now possible by a study of Alberta's position in the national picture to evaluate the success attained by the Department over the years. We have the lowest syphilis rate in Canada. We have not had sufficient staff to deal with gonorrhoea so effectively. An additional \$15,000 in our vote is necessary if this disease is to be

adequately controlled. Even with this, our per capita expenditure on venereal disease control would still be low as compared with other provinces.

The second Western Canada Conference on Venereal Disease Control was held in Edmonton on October 8th and 9th, 1942, and proved to be the most important conference of its kind ever held in Canada. The four western provinces were represented by members of the Attorney Generals' Departments, Provincial Police forces, Ministers of Health, Deputy Ministers and Venereal Disease Control officers, Crown Prosecutors, representatives of the Medical Departments of the Navy, Army and Air Force from various parts of Western Canada, and the Department of Pensions and National Health, Ottawa. The proceedings of the meeting have been printed and widely circulated.

The incidence of syphilis in our gaols continues low. When the division was organized in 1920, 16% of all the prisoners were infected with syphilis. In 1941, we reached the low of 2.8%. Last year, however, this was increased to 4.8% due to a larger number of infected persons being sent to the gaols for treatment.

The following figures indicate the work done in the various clinics during the year:

PROVINCIAL CLINIC, Provincial Building, 10048 101A Ave., Edmonton. CLASSIFICATION OF DISEASES WITH NUMBERS, SEX AND AGE OF PATIENT

CLASSIFICATION OF DISEASES WITH	Males						
	0-12 yrs.		Over 20 yrs.	0-12 yrs.	12-20 yrs.	Over 20 yrs.	Totals
Carried forward from 1941: Syphilis	1		70 23	2	1	45 43	119 66
Gonorrhoea			20				185
New patients admitted in 1942:	2	5	55	2	5	46	115
Syphilis Gonorrhoea Non-Venereal		6 15	135 139		23 68	81 161	245 383
Total number of patients treated	3	26	422	4	97	376	928
		Males—451			Females—477		

Number and results of Wasserman tests: 1,675 tests, of which 362 were positive. Number and results of Cerebrospinal Fluid tests: 53 tests, of which 8 were positive.

PROVINCIAL CLINIC, 713 3rd Street East, Calgary CLASSIFICATION OF DISEASES WITH NUMBERS, SEX AND AGE OF PATIENT

	Males		Females				
	0-12 yrs.	12-20 yrs.	Over 20 yrs.	0-12 yrs.	12-20 yrs.	Over 20 yrs.	Totals
Carried forward from 1941: Syphilis			40	3 2	5	27	75 28
Gonorrhoea	****	****	6	. 2	12	8	103
New patients admitted in 1942: Syphilis			27	1	4	17	49
Gonorrhoea Non-Venereal	1	5	67 90	2	18 41	62 76	149 213
Total number of patients treated	1	5	230	-8	80	190	514
	Males—236		Females—278				

Number and results of Wassermann tests: 1,209 tests, of which 246 were positive. Number and results of Cerebrospinal Fluid tests: 54 tests, of which 16 were positive.

PROVINCIAL CLINIC, c/o Galt Hospital, Lethbridge CLASSIFICATION OF DISEASES WITH NUMBERS. SEX AND AGE OF PATIENT

Children and the childr	Males						
	0-12 yrs.		Over 20 yrs.	0-12 yrs.	12-20 yrs.	Over 20 yrs.	Totals
Carried forward from 1941: Syphilis		1	12			3	16
Gonorrhoea	****		9151				16
New patients admitted in 1942: Syphilis			7		1	3	11
Gonorrhoea Non-Venereal	3330	1	2 16	****	1	1	19
Total number of patients treated		2	37		3	8	50
		Males—39			Females—11		

Number and results of Wassermann tests: 85 tests, of which 29 were positive. Number and results of Cerebrospinal Fluid tests: 3 tests, of which 1 was positive.

PROVINCIAL CLINIC, c/o General Hospital, Medicine Hat CLASSIFICATION OF DISEASES WITH NUMBERS, SEX AND AGE OF PATIENT

	Males						
			Over 20 yrs.	0-12 yrs.	12-20 yrs.	Over 20 yrs.	Totals
Carried forward from 1941: Syphilis	****		3	1		6	10
Gonorrhoea	****		2		****	-9.816	12
New patients admitted in 1942: Syphilis	1	****	9		1	4	15 9
Gonorrhoea Non-Venereal	****		3			1	4
Total number of patients treated	1		21	1	1	16	40
		Males—22			Females—18		

Number and results of Wassermann tests: 196 tests, of which 49 were positive. Number and results of Cerebrospinal Fluid tests: 9 tests, of which 2 were positive.

PROVINCIAL GAOL, Lethbridge CLASSIFICATION OF DISEASES

All patients are Males over 20 years of age:	Syphilis.	Gonorrhoea.	Totals.
Carried forward from 1941	4	1	5
New patients in 1942	8	1	9
are in principles are as a	_		
Total number of natients treated	12	2	14

Number and results of Wassermann tests: 477 tests, of which 13 were positive.

Number and results of Cerebrospinal Fluid tests: 4 tests, of which 2 were positive.

Number of prisoners examined: 566.

PROVINCIAL GAOL, Fort Saskatchewan

CLASSIFICATION OF DISEASES WITH NUMBERS, SEX AND AGE OF PATIENT Males Females

	0-12 yrs.	12-20 yrs.	Over 20 yrs.	0-12 yrs.	12-20 yrs.	Over 20 yrs.	Totals
Carried forward from 1941:			1			4	5
Syphilis		1000	9	*****		11	13
Gonorrhoea	2010	1000	2	9000		**	
							18
New patients admitted in 1942:			0.0			43	65
Syphilis		40.00	22	1000			65 59
Gonorrhoea			14	100	1111	45	99
	-			-	10000	100	142
Total number of patients treated			39	****		103	142
	Femal	68				24	4
Total number of prisoners examined: I	Males					6707	3
	Maics						
						93	7

Number and results of Wassermann tests: 851 tests, of which 87 were positive.

DEPARTMENT OF PUBLIC HEALTH

RECAPITULATION

OF PATIENTS TREATED BY THE STAFF OF THE DIVISION OF SOCIAL HYGIENE IN 1942

Sex: Males Females		268	Gonorrhoea. 263 314		Non-Venere 270 349	al. Totals. 801 887
	Totals		577	-	619	1688
	Total number of new c	cases of:	Syphilis Gonorrhoea			267 468
			Tot	al		735

CASES REPORTED BY DOCTORS AND MILITARY AUTHORITIES

Syphilis Gonorrhoea		M.D. No. 13 20 187	R.C.A.F. No. 4 62 412	Totals. 524 683
Totals	526	207	474	1207

Sanitary Engineering Division

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

As in 1941, the continuation of the war has had the effect of further curtailing waterworks, sewerage and sewage disposal construction from a municipal standpoint, but considerable work along these lines has been carried out in connection with military projects.

Higher market prices for farm products has had the effect of placing more money in the farmers' hands, and as a result the number of farms that have been modernized by the installation of running water and new modern plumbing fixtures has had a marked increase. The number of septic tank installations in unsewered towns and villages has also increased, partly due to the fact that more money has been available for such purposes than in past years and partly to the fact that municipal sewerage construction has been more or less abandoned until the end of the war.

The year 1942 marked the first occasion in the Province's history where the "sewer rental" method of financing sewerage construction was made possible. It was hoped the legislation in question would have been made applicable to all municipalities throughout the Province, but it was so late in coming up before the Legislature that it was decided to postpone its consideration until such time as The Town and Village Act would be up for further amending, possibly in 1944. However, to accommodate the town of Claresholm, which needed sewerage very badly, and which could not provide it without additional authority to raise funds to cover same, The Claresholm Sewer Service Charges Act, being Chapter 17 of The Statutes of Alberta, 1942, was passed. As a result of this legislation, the town was able to frame a scheme whereby sewerage would be laid in the town during 1943.

During 1942, the Provincial Board of Health had two surveys made with respect to the degree of contamination of the Oldman River, as a result of the disposal of industrial waste and raw sewage therein. The Board subsequently decided that the town of Macleod and the city of Lethbridge were subjecting the river to undue pollution at periods of low flow, and accordingly ordered the said municipalities to install such equipment as would abate the nuisance. The actual carrying out of the Board's order has had to be delayed somewhat due to war priority difficulties, etc., but it is hoped construction will be proceeded with in the near future.

Sanitary conditions throughout the Province slipped backwards somewhat during the year, the main cause being shortage of manpower. This shortage has been particularly noticeable in the fields of garbage collection, restaurant sanitation and in the production and distribution of milk for table use. Several towns have had to discontinue what formerly was an organized system of garbage disposal and collection, and place the onus of handling the situation on the individual householder, with obviously unsatisfactory results. Many restaurants have likewise had to close up for lack of help. Those remaining in business, due to curtailed staff, have not been able to keep their building in as good a state of repair as

is desirable, and in many cases have found it impossible to obtain equipment or material to renovate their premises. The milk business has been particularly hard hit. Veterinary inspectors, in sufficient numbers, are no longer available to test cattle. Many dairies have closed up entirely, while others have been forced to discontinue door to door distribution, and distribute their supplies from one centre in the municipality being served.

The following certificates were issued by the Provincial Board of Health covering public works and hospital construction:

- City of Edmonton, Certificate No. 447A-41. 1941 Sewerage Construction. Cost \$33,749.72.
- City of Lethbridge, Certificate No. 448-41. Sewer extensions. Estimated cost \$17,781.95.
- City of Calgary, Certificate No. 449-42. Sewer and Water Connections. Cost \$16,416.85.
- City of Calgary, Certificate No. 450-42. Private Sewer and Water Services. Estimated cost \$15,000.
- No. 4 Training Command R.C.A.F., Certificate No 451-42. Sewerage and Sewage Disposal Construction at No. 8 Bombing and Gunnery School. Lethbridge.
- Manville Municipal Hospital, Certificate No. 452-42. Hospital extension. Estimated cost \$8,500.
- Athabasca Municipal Hospital, Certificate No. 453–42. Hospital extension. Estimated cost \$2,500.
- City of Edmonton, Certificate No. 454-42. Sewer Construction. Estimated cost \$10,000.
- Olds Municipal Hospital, Certificate No. 455-42. Hospital Construction. Estimated cost \$50,000.
- Taber Municipal Hospital, Certificate No. 456-42. Hospital Construction. Estimated cost \$40,000.
- Holy Cross Hospital, Spirit River, Certificate No. 457–42. Hospital Construction. Estimated cost \$25,000.
- Brooks Municipal Hospital, Certificate No. 458-42. Estimated cost \$30,000.

Continuing its policy of trying to obtain one or more samples from public waterworks systems of the larger centres of population for bacteriological analysis, the division obtained the following information:

		Positive	
Municipality and Source of Supply	Chlorinated	(confirmed)	Negative
Athabaska—Athabaska River	at times		2
Bassano—Bow River	Yes		3
Bellevue-Connelly Creek	No		3
Blairmore—York Creek and Oldman River	No	4	1
Bowden, R.A.F.—Wells	Yes		20
Brooks—Irrigation Water	Yes		1
Calgary—Elbow River	Yes		2
Camrose-Stoney Creek and Wells	Yes		10
Cardston—Lees Creek	No		
Carmangay—Little Bow River	at times	2	4 2
Claresholm—Willow Creek	Yes	3	22
Coleman—Nez Perce Creek & Oldman River	No	3	7
Cowley—Wells	No	1	1
Drumheller—Wells	No		5
Edmonton—N. Saskatchewan River	Yes		7
Edson—Wells	No		7
Frank—Gold Creek	No		1
Gleichen-Wells	No		3
Grande Prairie-Wells	No	****	8
High River—Wells	No		10
Lacombe—Wells	No		8
Lethbridge—Oldman River	Yes		7
Macleod—Oldman River	Yes		24
Magrath—Wells	No		8
Medicine HatS. Saskatchewan River	Yes	4	97
Pearce, R.C.A.F.—Wells	Yes		17
Penhold, R.A.F.—Wells	Yes		32
Pincher Creek—Pincher Creek	No	1	
Raymond—Surface Reservoir	at times		2
Redcliff—S. Saskatchewan River	Yes	3	12

Municipality and Source of Supply	Chlorinated	Positive (confirmed)	Negative
Red Deer—Red Deer River Suffield Military Camp—S. Saskatchewan	Yes		5
River	Yes		6
Taber—Oldman River	Yes	7	1
Turner Valley—Highwood River	Yes		12
Vegreville—Wells	No		5
Vulcan, R.C.A.F.—Wells	Yes		8
Wetaskiwin—Wells	No	1	17

As was the case during 1941, the municipalities showing the poorest waters from a bacteriologicall standpoint were those using river waters known to have been contaminated with sewage some distance above their intakes. While some of these municipalities are chlorinating their supply, the contamination is so high as to require filtration as well as chlorination. Chief among this group are the towns of Taber and Redcliff. The Blairmore and Coleman supplies also show considerable contamination due to a large extent to periodic use of the Oldman River, a contaminated stream.

No municipalities provided any new systems of sewerage during the year. Some of the older municipalities, however, made some minor extensions. The town of Claresholm completed arrangements whereby sewerage and sewage disposal would be provided during 1943.

During the year, the reports of 2,210 water analyses were received from the Provincial Laboratory, 1,632 being bacteriological and 578 chemical. The reports on 15 ice and 151 milk samples analysed were likewise received. 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 investigated 75 complaints from different points in the Province along with other routine inspections, inspected 55 industrial camps, and disinfected 28 buildings by the use of hydrocyanic acid gas.

Plumbing fixtures installed throughout the Province during the year, under the inspection of either the local or Provincial Board of Health, have been as follows: Water closets 4,367, lavatory basins 3,373, laundry tubs 184, baths and showers 1,929, sinks 2,324, miscellaneous fixtures, 1,125, septic tanks installed 113. As a result of the above plumbing installations, 274 outside closets were eliminated.

The staff of the division remained the same as in 1941, namely, the Director, one Sanitary Inspector, one Plumbing Inspector, and one Stenographer.

Dental Hygiene Division

For many years a full-time dental service has been provided for the patients of the Provincial Mental Hospital at Ponoka, and the Auxiliary Hospitals at Claresholm and Raymond. This service was continued in 1942.

The Provincial Dentist formerly served the patients at other Provincial institutions. Though there is no Provincial Dentist at the present time, other arrangements were made for a full dental service at all institutions.

The work done by the dentists on the Travelling Clinic is as follows:

Number of children examined Number recommended for treatment	1,011
Number of children given treatment	174
Number of fillings	14%
Number of teeth extracted	1,795

Several radio talks were given over CKUA on dental hygiene by Dr. H. A. Gilchrist of the University of Alberta.

Cancer Services

(G. M. Malcolmson, M.D., Director, Cancer Services)

The following is a resumé of the work done by the Cancer Diagnostic Clinics in Edmonton and Calgary during the year 1942:

Total number Total number			Edmonton Calgary	New 851 335	Follow-up 691 178
				1,186	869

Total number of cases examined, 2,055.

Of the 1,186 new patients examined, 51%, or 611, were found to be suffering from some form of Cancer.

There were 343 patients referred for diagnosis by X-ray, and 359 patients were given radium or X-ray treatments.

Since this service went into effect in August, 124 patients were referred for surgical treatment—28 in Calgary and 96 in Edmonton. Some of these patients failed to report for surgical treatment, and some were found to be non-malignant on operation.

There is a definite increase in the number of patients attending the Cancer Diagnostic Clinics in Calgary and Edmonton with early symptoms, but there are still a large number coming to the clinics who have had the disease for six months, one year, and up to three years or more. Now that provision has been made for free diagnosis, free radium and X-ray treatment, and free surgical treatment where the same is recommended by the Cancer Clinic, we feel that as time goes on the advanced and hopeless cases will become fewer, and that the people will become educated to the fact that time is a matter of vital importance in Cancer.

An effort has been made, through the publication of various articles dealing with Cancer in newspapers circulating throughout the Province and by means of radio broadcasts, to inform the people, especially those living in outlying districts, of the free Cancer services made available by the Government. We are deeply indebted to the press and broadcasting stations for the fine cooperation they have given free of cost.

Five plays, describing the different types of Cancer, were given over the University Broadcasting Station and later over CJCA. The expense incurred in the preparation and rehearsals of these plays was borne by the Alberta Commercial Travellers.

We consider that these plays mark a great advance in presenting the subject of Cancer to the laity in an interesting and informative way, describing as they do how the examinations are made and how we arrive at a diagnosis. Our object is to dispel the depressing Cancer phobia from which so many people suffer, and we feel certain that these broadcasts brought many people to the clinics. That this is an effective way of presenting the subject may be judged by the fact that the British Columbia Cancer Clinic paid a professional cast to rehearse these plays, which were then recorded and broadcast over various stations in the province. The Canadian

Broadcasting Corporation also requested the privelege of using these plays, and the same were made available to them.

We feel that most of the advanced and hopeless cases of Cancer can be treated in the rural hospitals, and at much less expense to themselves or to the districts in which they reside.

Beginning August 1st, free surgical treatment of Cancer, in cases in which this treatment is indicated and recommended by the Cancer Clinics, went into effect. During the year, 93 surgical operation on the brain, stomach, breast, etc., were paid for by the Department.

It is important that pathological service be available in hospitals in which Cancer surgery is done in order that the report of a competent pathologist may be available without delay. This is, in our opinion, a necessary procedure in good Cancer surgery, and by this

means many lives will be saved.

Cancer of the stomach and intestinal tract takes a large toll of life. The majority of such cases now seen at the Cancer Clinics are in an advanced stage, and surgery offers little prospect of cures in such cases. X-ray examinations have been made in every case referred by a doctor to the clinics, and the clinics have advised patients to return and have the X-ray examinations repeated if necessary. Unfortunately, many who have had an X-ray examination of the stomach think that if the findings are negative they need never fear Cancer, whereas further examination within a few months may reveal a growth. Too many people still depend on the widely advertised claims for the value of powders and drugs for acid digestion, and thus put off having a thorough examination made until, in many cases, it is too late.

Mental Health Division

(Randall R. MacLean, M.D., General Medical Superintendent of Mental Institutions.)

Separate reports are submitted for each branch of this Division, namely:

Eugenics Board,

Mental Hygiene (Guidance Clinics),

Provincial Mental Hospital, Ponoka, including Provincial Auxiliary Hospitals at Claresholm and Raymond,

Provincial Mental Institute, Oliver,

Provincial Training School for Mental Defectives, Red Deer.

The institutional population again shows an increase over the previous year, the increase being 3.65%. On January 1st there were at all institutions, 1,832 males and 1,039 females, a total of 2,871 patients. At the close of the year there were 1,902 male patients and 1,074 female patients, a total of 2,976, an increase for the year of 105.

From the time our first Mental Hospital was opened in 1911, there has been a steady increase in the population of our mental institutions ranging from 3 to 8% per year.

For the same period the ratio of hospitalized mental patients to the population of the Province has shown an annual increase from 156 per 100,000 in 1921 to 370 in 1942.

There were somewhat fewer admissions to the institutions in 1942. The discharge rate was moderately high, but as usual the admissions were in excess of the discharges. Admissions of patients to the Provincial Mental Hospital, Ponoka, numbered 496. There were 376 discharges, 149 transfers to other institutions, and 60 deaths. The net result was a considerable reduction in the population of the Provincial Mental Hospital, Ponoka, during the year.

The new Women's Ward at the Provincial Mental Institute, Oliver, was opened early in the year, thereby making it possible to transfer a number of female patients from the overcrowded refractory wards at Ponoka. We hope to be in a position to transfer additional patients during the coming year. No additional accommodation was provided at the Provincial Training School for Mental Defectives.

The need for psychiatric wards in Calgary and Edmonton is becoming more and more evident, and provision should be made for the same as soon as this is possible.

During the year radio talks on mental health subjects were given over CKUA by members of our institutional staffs. A considerable number of lectures and talks on mental hygiene were given to clubs and societies in various centres. The usual course of lectures in psychiatry was given to the medical students.

The splendid service being given by the Superintendents of the various institutions and the members of their staffs is worthy of special note, particularly in view of the handicaps under which their work is carried on under wartime conditions. The serious depletion of medical, nursing and attendant staffs has resulted in a reduction in the amount of active treatment which it is possible to give to patients.

Meetings of the Eugenics Board were held for the most part at the Provincial Mental Hospital at Ponoka, and all operations ordered or recommended by the Board were performed in the operating rooms of the hospital.

An effort was made to hold as many Mental Hygiene or Guidance Clinics as possible, but owing to the depletion of our medical staff and with a shortage of social workers available, it was necessary to further curtail these clinics. This is unfortunate, but no other course was open to us under the circumstances.

TABULATED	SUMMA	RY	
A -INSTITUTIONS-MOV	EMENT	OF	PATIENTS

	On Books Jan. 1, 1942			Ad	Admissions 1942			Discharges 1942			Deaths 1942			On Books Dec. 31/42		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
Ponoka	930	707	1637	262	234	496	266	259	525	39	21	60	887	661	1548	
Oliver	773		773	148	72	220	17	1	18	35	1	36	869	70	939	
Red Deer	129	122	251	31	19	50	9	9	6	5	1	6	146	131	277	
Claresholm		99	99	- 1111	11	11	1414	9	3		3	3	1111	98	98	
Raymond	1000	111	111	100	8	8	****	4	1	1111	1	1	++++	114	114	
Totals	1832	1039	2871	441	344	785	292	282	574	79	27	106	1902	1074	2976	

ADMISSIONS-BROAD DIAGNOSIS

	Psychotic			Non- Psychotic			Mental Defectives			Totals		
	M.	F.	T.	M.	F	. T.	M.	F.	T.	M.	F.	T.
Ponoka Oliver			395 166	48 25	17 17	65 42	9	27 6	36 12	262 148	234 72	496 220
Red Deer					1011	1000	31	19	50	31	19	50
Claresholm	****	11	11	****		1151	****	****	****	****	11	11
Raymond	11111	8	8	2000	1111			1111	****	****	8	8
Totals	322	258	580	73	34	107	46	52	98	441	344	785

B.—CLINIC SUMMARY

1942

Place	Tinics	New Cases	ollow-ups nterviews	ase Load	No. of	New Cases	Follow-ups Interviews	Case Load Fotal	otal New Cases ince 1929
Educanton	20		F20	OF	ZU			- L.	H Z 02
Edmonton	40 23	96	532 705	628	37	146 72	458	604 835	1370
Calgary Lethbridge	-	100		805	17		763	23	1270 627
N.F. 31-1 YY-4	-	16	24	40	2	19	4		
Medicine Hat	9	47	11	58	1010	6	7101	6	545
Drumheller	3	11	16	27	1	4	9	13	127
High River	2	7	4	11	4011				88
Lamont	4	28	1	29	3	-15	21	36	119
Red Deer	3	20	2	22	4	15	11	26	91
Other Clinics	5	19	2	21	6	33	6	39	524
Other Chines		10			-	00	0	00	954
Totals	88	344	1315	1641	70	310	1272	1582	4761

The Eugenics Board for the Province of Alberta

(J. M. MACEACHRAN, M.A., Ph.D., Chairman)

During the year 1942, the Eugenics Board met at the Provincial Mental Hospital, Ponoka, for five meetings; on January 22nd, March 19th, May 28th, August 20th, and October 20th.

There were presented and passed by the Board in 1942, 47 male cases and 51 female cases, or a total of 98 cases. Of these, 21 were presented through Guidance Clinics, five being male cases and 16 female cases. The total cases presented and passed to date is 1,790, of whom 915 are male cases and 875 female cases. Under the direction of the Board, 52 operations were performed during the year 1942, 24 being male cases and 28 female. Of these operations, eight were orchidectomies. All operations were performed by Dr. J. W. Richardson and Dr. J. Ross Vant.

The medical, nursing and attendant staffs of the Provincical Mental Hospital assisted in all operations, in their usual efficient manner, which the Board commends.

The Social Workers associated with the Guidance Clinics have been able to do only a very limited amount of investigational and follow-up work with regard to the Eugenics Board cases, because of the pressure of other duties. The effect of this is seen in the drop of the number of cases presented through the clinics, there being 21 cases presented by them this year, as compared to 34 last year.

During the year, Miss E. Mary Frost, acting secretary to the Board, completed a Statistical Summary on the work of the Board to date. The summary is on file at the University and at the Provincial Mental Hospital, Ponoka. Certain criticisms were brought out in this report, especially the need for more social workers to conduct investigational and follow-up work, with special relation to Eugenics Board cases.

In addition to their regular duties, the Eugenics Board acted as a Visiting Board in October, 1942, at the request of the Minister of Health. The Provincial Mental Institute, Edmonton, was inspected on October 28th, the Provincial Mental Hospital, Ponoka, on October 28th and 29th, the Provincial Training School, Red Deer, on October 30th, the Central Alberta Sanatorium, Keith, on October 31st, the Provincial Auxiliary Hospital, Claresholm, on November 1st, and the Provincial Mental Auxiliary Hospital, Raymond, on November 1st. A detailed report of the findings of these visits has been submitted to the Minister of Health.

The Board wishes to express its appreciation to all who have prepared and handled the cases which have been presented, and for the competent way in which they have discharged their responsibilities.

Appreciation is also expressed for the action of the Department of Health in providing an honorarium for the Secretary of the Board, who has important responsibilities and added duties in connection with the preparation of the cases for the meetings of the Board, and with procuring special information from time to time required.

There is appended a summary of the Eugenics Board work to the end of 1942, in table form.

CASES	PR	ESENTED	AN	D	PASSED
(*)	Го	December	31,	194	(2)

		Y	early To	tals	Cumulative Total			
		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		102	88	191	445	468	913	
1937		115	87	202	560	555	1115	
1938		9.4	84	168	644	639	1283	
1939	***************************************	104	74	178	748	713	1461	
1940		5.9	61	114	801	774	1575	
1941		67	50	117	868	824	1692	
1942		47	51	98	915	875	1790	

OPERATIONS ONLY

(To December 31, 19	42)	
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		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	48	158	206
1934		46	59	105	94	217	311
1935		9.9	54	87	127	271	398
1936		90	42	78	163	313	476
1937		27	48	105	220	361	581
1938		90	37	63	246	398	644
1939	***************************************	10	29	47	264	427	691
1940		1.4	23	37	278	450	728
1941		97	40	77	315	490	905
1942	***************************************	9.4	28	52	339	518	857

Guidance Clinics

(R. R. MACLEAN, M.D., Director)

The work of the Guidance Clinics in the Mental Hygiene Division was carried on regularly during 1942. One additional clinic was held in connection with the Full-time Health Unit at Holden. However, in general, it was necessary to curtail the work of the clinics throughout the Province, as will be pointed out later in this report. Again it was impossible this year to re-establish the annual clinic series in the Peace River-Grande Prairie area, which had to be discontinued in 1939.

Miss Isobel Munroe, who acted as Chief Psychiatric Social Worker following Mr. E. J. Kibblewhite's enlistment late in 1941, was granted leave of absence in July, 1942, to enable her to take up duties overseas with the British Children's War Services Fund, a civilian organization placing at the disposal of the British Government the services of a group of trained Canadian Social Workers. Miss Munroe's contribution to the work of the clinics since her appointment in 1939 has been considerable, and we know that her services in the present emergency in England will be of much value.

In April, 1942, Miss E. Mary Frost returned to the clinic service following leave of absence for an eight-month period. During the latter part of April and the first part of May, Miss Frost made a survey of the clinic work that has been done in the southern part of the Province since the organization of the clinics in 1929. It is this section of the Province which has been most affected by the curtailment of clinic services. A report of this survey is appended to the Annual Report, and a number of interesting facts are brought out in it. In July, Miss Frost took up duties in Edmonton as Social Worker when Miss Munroe went on leave of absence. Miss Kathleen Colgrove continued as Social Worker in Calgary during 1942.

Dr. R. R. MacLean, Director of Clinics and General Superintendent of Provincial Mental Hospitals, and Dr. T. C. Michie, Assistant Superintendent of the Provincial Mental Hospital, attended most of the clinics in the southern part of the Province. Dr. A. Ralph Schrag, Assistant Superintendent of the Provincial Mental Institute, attended the clinics at Edmonton, Lamont and Legal, while Dr. D. L. McCullough, Superintendent of the Provincial Training School, attended the clinics at Red Deer and Stettler.

The Social Work staff of the clinics again carried on duties at the Provincial Mental Hospital to relieve the physicians so that clinics could still be held. This policy was adopted in 1941 when the depletion of the medical staff at the Provincial Mental Hospital, due to the war, had made it very difficult for the physicians to go on the clinic trips. This has curtailed the follow-up work in Edmonton and Calgary, although the time lost in this way in the latter centre has been balanced by the time saved by the use of a car by the Social Worker in that centre.

The total number of clinics held in 1942 was 70, as compared with 88 in 1941. The total number of new cases examined was 310, as compared with 344 in 1941. The number of follow-up interviews in

1942 was 1,272, as compared with 1,315 in 1941. This makes a total case load of 1,582 for the year 1942, as compared with 1,641 for 1941. Since the first clinics in Alberta were started in the fall of 1929, up to the end of 1942, 4,761 new cases have been seen and examined. Tables showing the distribution of the clinic work for 1942 are appended following the report of the survey mentioned previously, as well as more detailed reports for each of the centres. It will be noticed that a new table has been added—Table 7. This table gives, in summary form, the progress of the clinics over the past nine years. Footnotes point out the significance of increases and decreases to the staff.

Edmonton.

Thirty-seven half-day clinics were held in 1942, as compared with 40 in 1941; 146 new cases were seen, as compared with 96 in 1941. This is an increase of 50%, and when compared with the number of new cases seen in 1940, an increase of almost 100%. The number of follow-ups and interviews has decreased 14% from the previous year's figures and 36% from the number in 1940. There were 458 follow-ups and interviews in 1942, bringing the case load total to 604. The reason for this decrease is obvious: the Social Worker from this centre has been spending approximately one-third of her time at the Provincial Mental Hospital in connection with other duties. As pointed out above, this policy was adopted in the fall of 1941.

The accommodation which the Guidance Clinic has in the Provincial Building in Edmonton has done much to facilitate the work in this centre. With the increase in the number of new cases examined, the provision of separate rooms for each part of the examination has permitted the handling of the increase in an orderly manner.

Dr. A. Ralph Schrag, Assistant Superintendent of the Provincial Mental Institute, has been the Psychiatrist in attendance at the Edmonton clinics. Miss Isabel Munroe continued as Clinic Social Worker in Edmonton for the first half of the year until going on leave of absence in July. Miss E. Mary Frost was then transferred to this centre.

Calgary.

During 1942, 17 clinics were held in Calgary, as compared to 21 during 1941. The number of new cases seen was 72 this year, as compared with 100 the previous year. The drop is due, in part, to the decrease in the number of clinics and, in part, to the fact that more time is now being given to the examination of each new case.

The follow-up visits and interviews showed an increase, 763 being made this year, as compared with 705 in 1941. This increase has been possible because the major proportion of the visiting is now done by car, and the time spent in transportation has been cut down considerably. During the year, the Social Worker has been spending more than a quarter of her time away from the Calgary centre, attending other clinics and assisting with the work at the Provincial Mental Hospital, in the absence of Mr. Kibblewhite, Chief Psychiatric Social Worker.

The Calgary Guidance Clinic is using the same quarters in the City Hall as in former years. We again wish to take this opportunity to thank the staffs of the Public School Clinic and the Calgary Health Department for their co-operation and assistance throughout the year.

Dr. MacLean attended nine of the clinics and Dr. Michie attended eight.

Lethbridge.

Two clinics were held in Lethbridge this year, as compared with five the previous year, but in spite of this the number of new cases showed an increase from 16 in 1941 to 19 in 1942. The number of follow-ups dropped from 24 to 4, and this is obviously due to the drop in the number of clinics held in this centre.

It is likely that the number of clinics held in this centre will be restricted for some time, as it has become increasingly difficult to arrange for a Psychiatrist to spend the necessary length of time away from the Provincial Mental Hospital to attend clinics at this centre.

The clinics were held in the Nursing Mission as formerly, and Miss Tilley and her staff assisted greatly with the preparatory work.

Dr. MacLean attended both clinics.

Drumheller.

It has been possible to hold only one clinic in Drumheller during 1942. Four new cases were seen, and nine follow-ups and interviews were made.

This is a drop from the previous year, when three clinics were held there, 11 new cases and 16 follow-ups and interviews made.

Dr. Michie was in charge of this clinic.

High River.

The clinics in this district were cancelled for 1942, as in the case of Medicine Hat. The general situation with regard to this clinic is given in the appended report.

Lamont.

Three clinics were held at this centre during 1942, and 15 new cases were seen. This is a decrease of nearly 50% from 1941, when 28 cases were seen. However, the total case load was 36, an increase over the 1941 total of 29, there having been 21 follow-ups and interviews. Dr. A. R. Schrag was in attendance at all of the clinics in this district. Dr. H. Siemens, who is in charge of the Lamont Full-time Health Unit, gave valuable assistance to the work, both in the preparation of the cases and in their disposal.

Red Deer.

Four clinics were held in Red Deer during 1942, an increase of one clinic over 1941. There were 15 new cases examined, and the total case load was 26, compared with a total case load of 22 the previous year.

The clinics were held in the Health Unit, and Dr. C. L. Pearson and his staff were of considerable assistance in arranging the appointments.

Dr. D. L. McCullough, of the Provincial Training School at Red Deer, was the Psychiatrist attending all the clinics.

It is likely that next year similar arrangement will be made for Dr. McCullough to take the clinics at this centre.

Medicine Hat.

It is much regretted that the clinics for this centre had to be cancelled during 1942 because of the inability of any of the Psychiatrists to be away from the Provincial Mental Hospital for the lengths of time which are required for such trips. However, as will be noted in the appended report, during the survey which was made in the early part of the year, six new cases were seen by the Psychologist and reports submitted. Furthermore, this survey points the way which further development in this centre might take.

Legal.

Three one-day clinics were held at Legal in connection with the work of the Sturgeon Full-time Health Unit. Twelve new cases were examined. This is the first year for regular clinics to be held in this district, and the co-operation and assistance extended by the staff of the Health Unit has been much appreciated. Dr. A. R. Schrag was in attendance at these clinics.

Stettler.

Two clinics were held at this centre during 1942. There were seven new cases seen, and one case was returned to the clinic for further advice.

Unfortunately, the second clinic was held during unfavourable weather, with a resulting drop in the work done at that time.

Dr. D. L. McCullough, of Red Deer, attended both clinics.

During the next year it is hoped that the work at this centre may be extended somewhat.

Dr. M. G. McCallum, Dr. M. B. Donaldson and the staff of the Health Unit assisted materially with the preparatory work.

FUTURE PLANS

Looking forward to the time when there will be an abundance of staff to work in the clinics, and an opportunity for an extension of the work, it is hoped that arrangements can be made to hold Guidance Clinics at regular intervals in association with all the present Health Units and those which may organize hereafter.

In order to cover the Province adequately, at least two more Social Workers in addition to the present staff of three must be appointed. One of the new appointees should be placed in the south of the Province, either in Lethbridge or in Medicine Hat, to cover both these points and the surrounding territory. The other worker should be placed in the Peace River country, at Grande Prairie or Peace River town, to cover that section of the Province. If the Chief Social Worker is permanently located at the Mental Hospital in Ponoka, that part of the Province surrounding Ponoka, including Didsbury, Red Deer Stettler, Lacombe, Wetaskiwin and Camrose, can be served from this central point.

Addition to the stenographic staff will have to be made as well to keep the records up to date. In all probability a stenographer for the south of the Province and one for the north, including the Peace River district, will have to be appointed.

REPORT OF SURVEY OF CLINIC WORK IN THE SOUTHERN PART OF THE PROVINCE

During the latter part of April and the early part of May, 1942, a field trip was made by Miss Mary Frost, Social Worker, to the

Guidance Clinic centres in the south of the Province. It had been necessary to cancel the clinics in these districts at the beginning of the year because of the shortage of staff at the Provincial Mental Hospital and the inability of the Psychiatrists to take time from their hospital duties to do the clinic work. It was, therefore, the purpose of this trip to check the progress of the individual cases which had already been seen, to make further suggestions where advisable, and also to summarize the value of the clinic work to date in these centres. It is hoped that the following report fulfills this purpose, and that it will be of help in the re-organization of the work in these centres when conditions permit.

Red Deer.

The Red Deer centre was the first to be visited. The Social Worker was there April 20, 21 and 22.

The Full-time Health Unit in Red Deer kindly made their files available to the Social Worker, as did the Provincial Training School. Most of the information was secured from these and detailed verbal reports given by the Health Unit staff. It was the opinion of the Unit that the findings of the Guidance Clinic had been of considerable value in the handling of the cases which had been referred through them. Most of the follow-up work at this centre is done directly by the Health Unit or through the schools. The final results that were found in the majority of cases are indicative of the understanding interpretation which the Unit staff has made of the clinic recommendations.

While there have been only three mentally defective persons sterilized out of nearly 40 who have been examined at the centre, of those 40 a large number have been of the Mongoloid type, and another large number under 10 years of age. A good number of the latter are in touch with the Health Unit, so it is expected that they will come before the Eugenics Board at some future time.

On the whole, the Guidance Clinic at this centre seems to play a very useful role in an advisory capacity, with the Health Unitbeing quite effective in carrying out the recommendations. The holding of quarterly clinics in Red Deer seems to be meeting the demands of the district at present.

The following is an approximation of the value of the Guidance Clinic work in the Red Deer district:

Clinic advice followed and situation apparently remedied: By change in home attitudes By treatment of referring physician	3	e	
Clinic advice followed and situation apparently approved: By change in home attitudes towards presence of Mental Deficiency By treatment for Epilepsy controlling seizures By admission to Mental Institution, still in residence	20 7 2	0	
By sterilization and better home attitudes By better home attitudes and methods in training normal and superior children By treatment of the referring physician	3 4 8		
Clinic contact of negligible value: Moral adjustment of borderline case now poor Admission to P.M.H., a psychosis having been superimposed on condition of Mental Deficiency Failure of family to accept diagnosis or advice Personality problem continues despite efforts of family physician	1 1 6 1	44	
Present situation unknown due to loss of contact Final diagnosis and advice not yet given, Clinic contacts being continued		9 18 6	
Total number of cases seen to date		83	

Medicine Hat.

The Social Worker was in Medicine Hat from April 27th to May 2nd.

A detailed investigation was made concerning one family which has caused considerable trouble in the neighboring district. The investigation was requested by the Inspector of Schools, and the Public Health nurse very kindly provided the necessary transportation to visit the home and school. This was not entirely a new case, as one of the children had been examined at the clinic before. The report was sent directly to the Inspector of Schools. In addition, there were two new cases tested at one of the schools in Medicine Hat at the request of the Principal, and another in the clinic office at the request of her physician.

Most of the time, however, was spent interviewing the various persons and doctors concerned with the cases who had been examined previously. The Worker received the utmost co-operation from all those who were contacted but, of course, time did not permit the visiting of every school, nor were appointments possible with all the doctors. The impression was gained that the schools of Medicine Hat have quite a comprehensive idea of the values to be gained from mental hygiene, and of the benefits to be derived from the early examinations at a Guidance Clinic of pupils who are showing signs of poor adjustment. However, it was noticed that a few of the teachers tended to look to the clinic for mere endorsation of their contentions that the children whom they referred were mentally deficient. On the other hand, the Special Class which has been organized in Medicine Hat appears to be functioning very well, with the teacher in charge evincing a good understanding of the problems.

However, one such class is able to accommodate only a few of those who are recommended to it by the clinic. It was encouraging to learn that the officials are hoping to open a second class in the near future. The schools are working under a very definite handicap in trying to carry out the recommendations of the clinic, inasmuch as there is little co-operation existing between the homes and the schools, and the teachers have little knowledge of the home conditions of their pupils. There is no Home-School Association in Medicine Hat.

All the physicians who were seen made the independent statement that the clinics have been of considerable value to them in their handling of cases, and that they are looking forward to the re-establishment of a regular clinic schedule as soon as conditions permit it. On the whole, it seems that such cases as had been referred by the doctors were adequately treated by them, and that the clinic had been of very definite value in its consultative function. The most apparent need in the Medicine Hat centre in connection with the work is that of a full-time Social Worker.

From casual observation, both in the schools and in the neighborhoods which the Social Worker visited, it was concluded that there are a good many people who might well be assisted in their adjustment, but who as yet have not received any attention from any existing agency. In addition, the need of a Worker is further emphasized by the attached table. It is seen from it that only four cases have been sterilized from this centre, while it is known that more than 125 mentally defective persons have been examined

here. Furthermore, the whereabouts of 60% of these is at present unknown.

The following is an approximation of the value of the Guidance Clinic work in the Medicine Hat District to date:

Clinic advice followed and situation apparently remedied: By treatment of referring physician, Clinic functioning as consultative service	28	
By acceptance of psychiatric advice by patient or relatives	14	
By admission to Mental Institution and subsequent recovery	108	152
Clinic advice followed and situation apparently improved: By (partial) acceptance of psychiatric advice by parent or relatives.	40	
By acceptance of educational advice —still in Special Class By admission to Mental Institution as recommended; still in residence Discharged improved	15 12 5	
By training of Mental Defectives in Special Class or home, suffi- ciently for them to become partially self-supporting By sterilization and better home attitudes	14	
By treatment for Epilepsy controlling seizures By better understanding of Mental Deficiency on the part of relatives	4 7 25	122
Situation unchanged by Clinic contact: Failure to train Mental Defectives adequately at home and admission to P.T.S. impossible	3	
Moral adjustment continues to be questionable Unable or unwilling to follow psychiatric advice Illegitimacy	3 5 13	
Physical condition incurable Environmental condition worse, greater delinquency Patient committed suicide after returning to Sweden Admitted to Mental Institution, discharged unimproved	1 5 4 1 1	33
Present situation unknown due to loss of contact Final diagnosis and advice not yet given, Clinic contacts being continued Deaths in residence of natural causes Deaths at home of natural causes	3 11	215
Total number of cases examined to December 31, 1941		14 539

Lethbridge.

The Lethbridge centre was visited from May 4th to 7th, 1942.

The situation here resembles the one at Medicine Hat with regard to the co-operation which is received from doctors and the value which they attributed to the consultative services of the clinic. Again it was possible to arrange interviews with only about 50% of the physicians, but those seen welcomed the Social Worker, and expressed the hope that it would not be long before regular clinics could be held in this centre once more.

Practically all the other referrals at this centre have been through the Nursing Mission, which is somewhat of a unique organization acting as a bureau for all types of social work. The contacts made by the Nursing Mission are almost always directly with the home, and because of this the co-operation it receives is particularly good.

However, it is felt that here, too, the work is at the point where it would be in the best interests of the patients examined to have a Social Worker for part time at least, to do the clinic follow-up work. It might be that when another Social Worker can be added to the staff, some arrangements might be made wherebw he might spend one week in four at Lethbridge, should his headquarters be in Medicine Hat. There is a definite need for closer co-operation with the schools in this city.

The following is an estimation of the value of the Guidance Clinic work in the Lethbridge District to date:

Clinic advice followed and situation apparently remedied: By treatment of referring physician, Clinic functioning as consultative service only By acceptance of psychiatric advice by patient or relatives By acceptance of educational and vocational advice by parents and school	16 44 8 8	
By admission to Mental Institution and subsequent recovery	8	76
Clinic advice followed and situation apparently improved: By (partial) acceptance of psychiatric advice by patient or relatives By acceptance of educational advice—School for Blind	51	
By admission to Mental Institution as recommended: Discharged improved Still in residence By sterilization and better home attitudes By treatment for Epilepsy controlling seizures By better understanding of Mental Deficiency on the part of relatives	29 37 23 23 24	188
Situation unchanged by Clinic contact: Mental Defectives requiring institutionalization and without accommodation Unable or unwilling to follow psychiatric advice Physical condition incurable Admission to Mental Institution, discharged unimproved	10 14 13 6	
Present situation unknown due to loss of contact Deaths in residence at an institution, of natural causes Deaths at home, of natural causes	10 19 —	43 258 29
Total number of cases examined to end of December, 1941		594

High River.

The High River district was visited May 8th and 9th.

As in Red Deer, the Guidance Clinic work is done here in connection with the Full-time Health Unit programme. The clear understanding on the part of its staff and their interpreting and carrying out of the clinic recommendations was evident. One of the Public Health nurses from this Unit put herself at the disposal of the Social Worker to facilitate the home and school visiting and to introduce her to the responsible people. This was greatly appreciated.

Most of the work at this centre has been done through homes visited by the nurse and through the schools. The co-operation received from these officials has been considerable, and the results show the clinic contacts have been of value in most cases. While only one mentally deficient person from this district has been sterilized, it was noted that most of such cases examined to date have been quite young, and are still being cared for at home. It is expected that the percentage sterilized will increase as the patients become older. Quarterly clinics seem adequate for the needs of this district when the service is re-established.

The following is an estimation of the value of the Guidance Clinic work in the High River District to date:

Clinic advice followed and situation apparently remedied: By acceptance of psychiatric advice by patient or relatives By acceptance of educational and vocational advice by parents and school	2 36	
Clinia advice followed and cityetian enverantly improved.	-	38
Clinic advice followed and situation apparently improved:		
By (partial) acceptance of psychiatric advice by patient or relatives	3	
By acceptance of educational advice—still in Special Class	1	
By training of Mental Defectives in Special Class, or at home, suffi-		
ciently for them to become partially self-supporting	2	
By sterilization and better home attitudes	1	
By better understanding of Mental Deficiency on the part of relatives	15	
By admission to Mental Institution as recommended; discharged	7.5	
improved	1	
By treatment for Epilepsy controlling seizures	2	
	_	25

Situation unchanged by Clinic contact: Failure to train Mental Defectives adequately at home and admiss to P.T.S. impossible Unable to follow psychiatric advice (or unwilling) Vocational and educational advice apparently of no help	1 1 3	
Domestic troubles persist	1	6
Present situation unknown due to loss of contact Deaths, at home of natural causes		18
Total number of cases examined to December 31, 1941		88

General.

The impressions which the Social Worker obtained regarding the clinic work in general for the centres visited are as follows:

- (1) In the smaller centres, the Full-time Health Units, by virtue of their specially trained personnel ,are acting as effective agents in directing and referring cases in need of psychiatric advice and in interpreting this advice to the parties concerned. It would seem advisable, therefore, that the Guidance Clinics endeavour to make their services available to each new Health Unit as it is established. This seems to be the most logical and effective means of making psychiatric advice available to the greatest number of people in the Province.
- (2) There is a definite need for another full-time worker whose headquarters might well be in Medicine Hat, with a part of his time being spent in Lethbridge.
- (3) It is felt that some existing agencies in the Health and Welfare fields have not taken advantage of such clinic services as have been offered. However, there seems to be no way in which this can be remedied while the clinic work is so limited. With additional staff, more time could be given to the interpretation of the mental hygiene services to these agencies.
- (4) In all of the centres, the impression was gained that the problem of mental deficiency is not being adequately solved. The percentage undergoing operation for sterilization has been seen to be very small. In addition, there is accommodation for only a few at the Provincial Training School at Red Deer, and a large number of those who are at home are not receiving sufficient training and supervision. Furthermore, at the larger centres—Medicine Hat in particular-numerous cases were found in which the diagnosis of mental deficiency had been made, and who are known to be the parents of several children of like intellectual endowment. actual number of these cases could not be ascertained in such a short visit, but they were cited so frequently from various sources that there is no doubt but what they constitute quite a problem socially.) This situation might well be alleviated (at considerably less cost than institutionalization would be) if trained workers were employed for the purpose of supervising these persons, and of interpreting the problems associated with their deficiency to their relatives and others with whom they come in contact.
- (5) The effectiveness of the Guidance Clinic work appeared to vary directly with the degree of training in mental hygiene of the agencies referring the cases and carrying out the recommennations.

The following is a summary of the value of the Guidance Clinic work in the Lethbridge, Medicine Hat, and High River Districts to date:

Clinic advice followed and situation apparently remedied: By treatment of referring physician, Clinic functioning as consultati service only		
By acceptance of psychiatric advice by patient or relatives By acceptance of educational and vocational advice by parents a school	nd 60	
By admission to Mental Institution and subsequent recovery	10	,
Clinic advice followed and situation apparently improved: By (partial) acceptance of psychiatric advice by patient or relative By acceptance of educational advice—still in Special Class By training of Mental Defectives in Special Class, or home, suf- ciently for them to become self-supporting	es 94 27	
By admission to Mental Institution as recommended: Still in residence Discharged improved	51 35	
By treatment for Epilepsy controlling seizures By sterilization and better home attitudes By better understanding of Mental Deficiency on the part of relative By treatment of referring physician By better home attitudes and methods in training normal and superi	31 es. 84 8	
children Situation unchanged by Clinic contact: Physical condition incurable	379	1
Unable or unwilling to follow psychiatric advice Mental Defectives requiring institutionalization, and without accor modation	n- 10	
Admission to Mental Institution, discharged unimproved Failure to train Mental Defectives adequately at home and admission	on 7	
to P.T.S. impossible Moral ajdustment continues to be questionable Illegitimacy Environmental condition worse, greater delinquency	1	
Patient suicided after returning to Sweden Vocational and educational advice apparently of no help Domestic troubles persist	3	
Admission to P.M.H., a psychosis having been superimposed on coldition of Mental Deficiency	n- 1	
Present situation unknown due to loss of contact Final diagnosis and advice not yet given, Clinic contact being continued Deaths in Mental Hospitals, of natural causes Deaths at home, of natural causes	d	
Total number of cases examined to December 31, 1941	1318	

TABLE 1
SUMMARY OF NEW CASES EXAMINED AND FOLLOW-UP WORK

			19	141		_		1942		
		No. of Clinics	New Cases	Follow-ups Interviews Case Load	Total	No. of Clinics	New	Follow-ups Interviews	Case Load Total	Total New Cases Since 1929
Place Edmonton Calgary Lethbridge Medicine Hat Drumheller High River Lamont Red Deer Other Clinics	40 21 5 5 3 2 4 3 5	96 100 16 47 11 7 28 20 19	532 705 24 11 16 4 1 2 2	628 805 40 58 27 11 29 22 21		37* 17 2 1 3 4 6†	146 72 19 6 4 15 15 33	458 763 4 9 21 11 6	604 835 23 6 13 36 26 39	1370 1270 627 545 127 88 119 91 524
*Half_day Clinic *Including one T		344	1315 c.	1641		70	310	1272	1582	4761

	Edr	mont	on	Calg	Parv	LA	Lethbridge	idge	Med	Medicine	Hat	Other Cl	Clinics	Sa	Totals	als	Pe	Percent	age
	-				-			-0-		-									
Age Group	M.	E.	Τ.	M. F	T.	M.	E.	T.	M.	F.	T.	M.	F. T		M.	F. 1	. M	4	7
0- 4	NO.	1	u	y.	8					1	1	-	10	1			6.9		6.
	000	+0	000			-	0	0	-	-	0	7 7	1 18	*			94 9		66
7 - A	20	0	60			-	4	00	40	4 .	40	7	100	- 1			2000		200
14	25	18	43			20		22	N	7	2	12	1 19	n			23.5		.17
15-19	11	7	18		-	1	03	60				7	4 11	54			12.7		13.
PG-06	6	0	111		6	-		-				2	53		6 14		65		6.
06736	100	00	100			6		6				-					4.6		65
F6-06	4	10	200	10		16		16									4.6		d.
20,00	7	1-	2 1/2		100			1					2 2		4	6 10	2.3	4.4	3.2
	100	4	1									-					2.3		00
OF SE	100	-	. 2									100					2.9		2
	o ar	4 04	11			0	6	7				6	2		9 1	19	5.2		6.
and any other sections.		0				-	1	-									9.		
JIMIOWII						1	1	. 1	1	1	1		1	1	1	1	1		
Totals	87		146			13	9	19	00	60	9	33 3	34 67	17	173 137	7 310		1009	50

INTELLIGENCE QUOTIENTS OF 75 AND LESS	INTELLIGENCE QUOTIENTS OF 75 AND	ENCE	00 S	OTIE	NTS	OF	15 AD	ID LESS	SS		2		2				
	Edi	Edmonton	uo	Ü	Calgary	-	Leth	Lethbridge		Medicine Hat	Hat	Other Clinics	r Cli	nics	H	Total	
I.O. Range	M.	F. T.	H	M.	14	T.	M.	F. T.	M	H	T.	M.	F. T.	T.	M.	L F. 1	-
	00	4	1	67	1	00						1	6.3	4	9	00	911
	6		14	-	01	00	63	1 3				9	7	13	18	121	2.3
51-75	100	10	23	1	17	11	00	00		-	-	9	9	12	34	16	103
0				63	-	62		1 1				1		1	63	63	
	1	1	1	1	1	1	1	1	1	1	1	13	13	18		1:	1 3
Totals	30	14	44	12	00	20	0	7 7		-	1	14	16	30	19	41 -	-

TABLE 3

102 50 50 14.

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	*	4				1	5
General Retardation Epilepsy		6	5	2	1	3	17
Epilepsy Other Conditions		5	1 8			4	17
Totals		15	14	3	1	9	42

TABLE 4b CLASSIFICATION OF NEW CLINIC CASES—SCHOOL AGE GROUP (7 YEARS 0 MONTHS-18 YEARS 11 MONTHS)

Nature of Case Examination and Report	∾ Edmonton	Calgary	Lethbridge	ω Medicine Hat	- Other Clinics	Totals
Mental Deficiency:	-	****	****	0		0
General Retardation	25	11	2		22	60
Behaviour Problem (including theft) Sex Delinquency:	5	1		****	1	7
Epilepsy Physical Defect (including Endocrine	1	1				2
Disturbance)	2				1	3
Backward in School	13	9	****	1	4	27
Behaviour Problem, including theft	18	13		1	7	39
Sex Delinquency	1	2	****	****		3
Epilepsy	1	1	1	10.00	1	4
Psychosis and Psychopathic Personality	7	1111	1	****	3	11
Other Conditions	4	2		****	4	10
m-t-1-			-			
Totals	79	40	4	5	44	172

TABLE 4c CLASSIFICATION OF NEW CLINIC CASES—ADULT GROUP (OVER 19 YEARS 0 MONTHS)

Nature of Case	Edmonton	Calgary	Lethbridge	Medicine Hat	Other Clinics	Totals
Examination and Report	1		3	1111	2	6
Mental Deficiency:						
General Retardation	1	1000	****	****	2	3
Behaviour Problem, including theft		1000		1111	1111	
Sex Delinquency	1	1	4111	****	1000	2
Epilepsy Defeate	2					2 2 3
Physical Defects	****	1	1	1111	.000	2
Psychoneurosis, or Psychosis	1		1	1411	****	2
Sex Delinquency	*****	2	1	0.00		3
Epilepsy	2	1	1	1000	2	6
Psychosis and Psychopathic Personality:	00					
Psychosis other than G.P.I.	20	****	2	****	4	26
Psychoneuroses and Psychopathic Arterio and Disseminated Sclerosis	10	4	*****	****	1	15
Other Carditions	2			0000		2
Other Conditions	12	9	3	1111	3	27
Totals		10	12	-		
TOTALS	52	18		0111	14	96
Table 4a	15	14	3	-	-	40
Toble 4h	70	40	3	+	9	170
Table 4D	19	40	4	9	44	172
Grand Totals	146	72	19	6	67	310

TABLE 5
AGENCIES REFERRING NEW CLINIC CASES, 1942

Agency	Edmonton	Calgary	Lethbridge	Medicine Hat	Other Clinics	Totals
School Officials and Teachers	32	18		5	1	56
	42	28	10	1	15	96
Doctors, Medical Health Officers and Clinics Provincial Child Welfare, Children's Aid.	46	20	10		10	
Juvenile Court	17	15				32
			7			7
Police, Provincial Gaols, Courts	34140	0000				
Homes (Mountview, Beulah, Kiwanis,						9
Y.W.C.A., and Salvation Army)	2	Ţ				200
Parents, Relatives, Friends	18	5	2	4111	1	26
Relief Department	2	1		4111	2011	3
Provincial Health Department other than						
Child Walfare and Dallof	7				1	8
	17	2111			47	64
Full-time Health Units	11				-	5
Self	2	0				10
Other Agencies, etc.	7	1			2	10
	-	-	Second	-	-	-
Totals	146	72	19	6	67	310

 ${\small \textbf{TABLE 6}}\\ {\small \textbf{MAJOR RECOMMENDATIONS MADE IN REGARD TO NEW CLINIC CASES, 1942}}$

Major Recommendations	Edmonton	Caigary	Lethbridge	Medicine Hat	Other Clinics	Total
Admission to Provincial Mental Hospital or Provincial Mental Institute	21	3	- 6		1	31
Admission to Provincial Training School or other similar Institutions Treatment by own Doctor or other Clinics	20 8	7 8	3	****	6 7	36 23
Treatment given, including direct treatment for Epilepsy Continue Home, Institutional, or School life.	1 10	1 13	5	1	2 6	4 35
Modified School Programme, Special Class, or Vocational Training Change in Home Routine, Care, Discipline	26 24	6 11	2	2	8 13	42 51
More Social Contact, wider interests, re_ establishment of self-confidence Return to Clinic, further examination. Placement under careful supervision.	3 26 4	1 10 4	1 1	2	4 7 8 5	8 46 17
Other Recommendations Totals	3 146	8 72	1 19	-6	5 67	310

TABLE 7
SUMMARY OF WORK OF GUIDANCE CLINICS SINCE 1934

	linic	ases	ups.	ase	ses, 934
Year	No. of C	New Cas	Follow-Intervie	Total Ca Load	Total New Ca Since 19
1934 1935 1936 1937 1938 1939 1940 1941	91 90 87 99 97 95 94 88 70	428 363 393 416 406 403 356 344 310	450 432 471 513 632 1275 1398 1315 1272	878 795 864 929 1038 1678 1754 1659 1582	1770 2133 2526 2942 3348 3751 4107 4451 4711

Provincial Mental Hospital, Ponoka, Alberta

(R. R. MacLean, Medical Superintendent)

PATIENT-POPULATION CHANGES

There were 1,610 patients—907 male, 703 female—in residence on January 1st, 1942. On December 31st, 1942, there were 1,503—847 male, 656 female—in residence, representing a reduction in population during the year of 107 patients. From time to time during the year transfers were made to Oliver of both male and female patients. Some 72 males were transferred and 77 females, but there were other minor interchanges of patients. Despite the reduction in patient population, there is still a considerable amount of overcrowding on both the male and female wards. The conditions of overcrowding are much more worrisome on the female side, due to the great accumulation of refractory patients on these wards. Two new floors at Oliver are about ready for occupancy, but their construction is not complete in every detail, and there is an acute shortage of female staff, even if they were ready.

Efforts were made throughout the year to curtail the admissions of all except the most urgent cases. The demand for the admission of seniles and mental defectives has been so great that it has constituted one of the most difficult problems in the Department of Mental Diseases. Not only is the hospital considered an unsuitable place for difficult problems in the Department of Mental Diseases. Not only is the hospital considered an unsuitable place for seniles and defectives, but the accumulation of these cases is very disturbing to the routine of the wards and to staff, which has been trained for the care of the mentally ill and not particularly the types mentioned above.

There has been an acute shortage of medical staff. Besides making it necessary to eliminate all superfluous details in the medical routine of the hospital, it has made it impossible to conduct as many of the Mental Hygiene Clinics throughout the Province as formerly. Notwithstanding this, a goodly number of clinics were held in which many cases were dealt with, which might otherwise have found their way to the institutions of the Province.

There is still need for something in the nature of psychopathic wards in key points in the Province, but it would be impossible to establish these under present war conditions.

Admission of Patients

The total number of admissions for the year was 489—260 males, 229 females. This was 68 less than the previous year. Table No. 1 indicates the number of first admissions, re-admissions and transfers. Over 100 patients were admitted voluntarily, the balance being admitted by other methods.

The hospital continued to co-operate with the Department of Social Hygiene in the reception of neurosyphilitics, both psychotic and non-psychotic.

During the year a few patients were admitted suffering from alcoholic mental disorders and drug intoxications. No greater success in treatment of these cases could be claimed than formerly, that is, it is very discouraging. At this point it might be pointed out that a great many patients admitted show very high percentages of bromide in the blood, indicating the frequency with which such preparations are prescribed or taken by "nervous" people. In some instances, the bromide accumulation was of sufficiently high concentration as to produce toxic mental symptoms, thereby obscuring the fundamental mental disorder. The hospital staff is of the opinion that the use of bromides should be curtailed by the general public and prescribed with greater care by the medical profession.

Nationalities were as follows: By far the greater number admitted were Canadian born. Reference to the table on Nativities of

Patients will show the distribution in more detail.

SEPARATION OF PATIENTS

Separations for the year amounted to 376 — 194 males, 182 females. These figures are exclusive of transfers, deaths and elopements. The discharge rate therefore would be approximately 70% of the total admission rate. There were 60 deaths during the year —39 males, 21 females; the death rate, based on the total under treatment, would be less than 5%.

As in former years, cardio-vascular disease, tuberculosis and

pneumonia were the commonest causes of death.

ACCIDENTS

There was an increase in the number of major accidents during the year, accounted for by an increase in the number of fractures of various bones of the body. There coentinued to be scores of minor accidents. These increases in the number of major accidents and the large number of minor accidents could be attributed directly to overcrowding and accumulation of refractory patients on both male and female wards. There were no suicides during the year, although a few patients attempted unsuccessfully to take their own lives. The acute shortage of staff has made it very difficult for the few who are on duty to give the patients anything like adequate care and supervision. As long as these conditions obtain, there will be grave danger of serious accidents occurring. The staff on duty are to be complimented for the excellent work being done in preventing more serious accidents and tragedies.

ELOPEMENTS

There were 23 patients who succeeded in eloping on the male side, and three female patients succeeded in eloping. The majority of these were subsequently returned, either by the staff or the police. Several male and female patients attempted to elope unsuccessfully. When one considers the great number of inexperienced members of the staff and the acute shortage of staff, the number of elopements was surprisingly small.

GENERAL HEALTH

The general health of the patients was good, all things taken into consideration. There were no serious epidemics. The staff are continually on the look-out for patients suffering from infectious diseases, especially tuberculosis, and X-ray examinations are done on all suspects. Patients who have been isolated in the tuberculosis

wards have improved in health, and a goodly number have been released as having become non-infections.

Efforts are still being made to take large numbers of patients on walking parties. The airing courts are put to good use, especially when the weather permits of this.

The general health of the resident staff has been exceptionally good. There has been noticeably more illness among members of the staff who are non-resident.

CLINICAL WORK

The medical staff consisted of four physicians, inclusive of the Medical Superintendent. This acute shortage of medical personnel has of necessity resulted in the taking of less elaborate histories, with curtailment of many of the details of the medical records. It has been necessary to enlist the services of trained personnel other than the physicians, that is, graduate nurses, student nurses and social workers in the taking of histories, and in the making of progress notes. Those assisting in this respect are to be complimented on their willingness to help and on the calibre of their work.

Metrazol and Insulin treatments were given regularly to many cases during the year. Results obtained from the use of Metrazol particularly now appear to justify continuing shock treatment, and an order was placed for an Electro-Shock machine during the year. Many patients displaying undesirable reactions change for the better following shock therapy. It is the consesus of opinion here, as in other institutions, that shock therapy produces its best results in cases with an affective coloring, especially those showing depressive features.

The acute shortage of medical staff makes it well nigh impossible for an intensive phychotherapy to be given to any great number.

Staff conferences were held twice a week, probably with greater regularity than in previous years. This practice has had decided advantages in that all new and re-admissions are presented at conference very shortly after admission, in an effort to evaluate the case as soon as possible, to facilitate greater care and active treatment being instituted immediately. It has been found that the former practice of delay in the presenting of cases until complete and elaborate record were made, which is now impossible, resulted in a falling off of interest in the cases and their treatment.

MENTAL HYGIENE CLINICS

Guidance Clinics were conducted regularly in Edmonton and Calgary, but at irregular intervals in Red Deer, Lamont, Stettler, High River and Lethbridge. The acute shortage of medical staff has made it impossible to carry on the clinics regularly in all centres. Such clinics as were held were well patronized, but the sum total of cases seen during the year was less than previous years. The Medical Superintendent was assisted by other members of the medical staff and by physicians on the staffs of the Red Deer and Oliver hospitals. Throughout the year, there were full-time Social Workers at Edmonton and Calgary.

RAYMOND AND CLARESHOLM MENTAL HOSPITALS

These institutions, being under the supervision of the Superintendent of the Provincial Mental Hospital, Ponoka, were visited

from time to time. The matrons of these hospitals supervised them very efficiently and faithfully. Honorary physicians, located in the towns of Raymond and Claresholm and appointed to the institutions, made rounds regularly and attended to the general and acute medical needs of the patients and staff. Separate Annual Reports for these institutions are submitted.

DENTAL DEPARTMENT

The dental work of this hospital and the Auxiliary Hospitals was done most efficiently by the newly appointed full-time dentist. All patients, that is, new admissions and continued treatment cases, were thoroughly examined throughout the year, and their dental needs attended to. The hospital was fortunate in obtaining a very modern and up-to-date dental assembly. The dental offices were re-arranged, so that the Dental Laboratory and the office itself now constitute a self-contained unit. The dentist was given valuable assistance by a graduate nurse, who supervised the work of the X-ray Department and basal metabolism examinations.

The following is a summary of the work done in this department:

Ponoka:		Claresholm:	
Examinations'	2.731	Examinations	48
Prophylactic treatments	743	Extractions	24
Examined and no treatment in-		Fillings	14
dicated	712	Prophylactic treatments	9
Extractions	913	Raymond:	
Amalgam fillings	317	Éxaminations	60
Kryptex fillings	95	Extractions	38
X-rays	22	Fillings	9
Dentures made	25	Prophylactic treatments	12
Dentures re-made	34	Oliver:	
Dentures repaired	42	Examinations	163
Bridges repaired	2	Extractions	166
Gold inlays	2	Fillings	25
		Prophylactic treatments	18

X-RAY DEPARTMENT

The work of the X-ray Department was done by the dentist's assistant, Mrs. James, who returned to our staff, having formerly been the dental and X-ray technician. Her duties were carried out most efficiently. Numerous chest plates of the staff and patients were taken, in addition to emergency X-ray work and Barium and Gall Bladder Series. The acquisition of the new X-ray unit simplified the work a great deal. The following is an account of the examinations made:

Chests	513	Tibia	17
Skull	51	Knee	11
Dorsal Spine	77	Foot	22
Lumbar Spine	4	Ankle	25
Cervical Spine	2	Arm	18
Clavicle	13	Elbow	4
Ribs	8	Wrist	22
Abdomen	9	Hand	20
Heart	11	Gall Bladder	1
Pelvis	33	Ureselecton	1
Femur	16	Barium Series	17

HYDROTHERAPY

This branch of treatment is supervised by a special appointee on the men's and women's wards. The treatment for the most part consists of prolonged baths, wet packs and tonic hydro-therapeutic treatment, but electric cabinet treatments are also given in this department. The results obtained are considered as very satisfactory.

OCCUPATIONAL DEPARTMENT

This department, under the supervision of Miss Gladys Crysler, supervises not only the occupational therapy, but recreational therapy. The shortage of trained attendant and nursing personnel has resulted in a curtailment of the work of some of the studios. Notwithstanding this, since this item of treatment is so important, special efforts are made to keep the department working to its maximum.

Student and graduate nurses are given special instruction by the occupational therapist, and during the summer months, occupational internes come from the University of Toronto for experience and instruction. The authorities of the University of Toronto and the students have been loud in their praises of the work done by this department.

Due to the discontinuance of exhibits in large centres, fewer exhibits were displayed than formerly.

The Annual Bazaar and Tea were held as formerly, with great success.

A great number of new books were added to the patients' library, having been purchased from the profits of the Canteen and the Bazaar. The circulation continues to improve. The hospital has been fortunate in having received vast quantities of magazines regularly through the efforts of the Ponoka Kinsmen Club, which was recently formed. These magazines are distributed regularly to the wards. The Occupational Department was instrumental in organizing a great deal of recreational activity, in the form of baseball, softball, badminton, tennis, shuffle board and other games. Throughout the year also, mixed card parties were held on the male and female wards with great success. Prizes were donated by the Occupational Department. Picnics and teas for the patients were also held.

The Occupational Department selected the talkies, which were shown in the recreation hall. The patients continued to enjoy the pictures very much. Unfortunately, the Annual Sports Day was not held, due to the acute shortage of trained staff and inability to obtain refreshments.

The rink was patronized more than ever. A great many more pairs of skates were purchased and placed at the disposal of the patients than formerly.

The Staff Dances, the At Home, and the Civil Service Card Party were held as usual and were well patronized. Contributions from the members of the staff defrayed the expenses of these functions. The Occupational Department made and arranged the decorations for the recreation hall.

Members of the staff participated in tennis, golf and badminton as usual throughout the year.

Parcels of smokes, eats and other articles were sent during the year at intervals to members of the staff in the Services. Letters of acknowledgment were received from those to whom parcels were sent.

Religious Services

Religious services of all major denominations were held regularly throughout the entire year. All patients whose mental conditions warranted it, were encouraged to attend the services. Many pastoral visits were paid by the clergymen to patients during the year.

SOCIAL SERVICE DEPARTMENT

The work of this department was done by Miss Munroe, Miss Mary Frost and Miss Colgrove. However, Miss Munroe was chosen as one of the Canadian Social Workers to proceed to England to do work there among the refugee children. Whereas her departure was regretted, it was considered a compliment to the Department of Mental Hygiene that she should have been selected, as many applicants were eager to go. Miss Frost assumed the major responsibility for the Social Service Department as well as her regular duties at the Edmonton Guidance Clinic and as Secretary to the Eugenics Board. Miss Colgrove did the work of the Calgary Guidance Clinic, and attended many special clinics held in the south and central parts of the Province.

EUGENICS SERVICE

Throughout the year, five meetings of the Eugenics Board were held. Some 98 cases—47 male, 51 female—were presented to the Board. The Chief Social Worker acted as Secretary to the Board, and supervised the preparation of the cases.

SURGICAL SERVICE

During the year, Dr. J. Ross Vant was appointed honorary surgeon to replace the late Dr. Conn. Dr. Vant and Dr. Richardson were assisted throughout the year by Dr. Byers and Dr. Murray. The services rendered by the two newly appointed surgeons were very satisfactory.

The following is a summary of the operations performed by the surgeons:

Operations	Male	Female	Total
Salpingectomy		28	28
Vasectomy	16		16
Orchidectomy	8	****	8
Uniterested	1000	0.000	****
Herniotomy	6	9	9
Appendectomy	0	2	2
Cholecystectomy	1		ĩ
Other Operations	5	6	11
	-	-	
	37	38	75

NURSES' TRAINING SCHOOL

The tenth annual graduation exercises of the Training School were held May 22nd, 1942, when the seventh class of general and psychiatric nurses received their diplomas. Three male attendants received their diplomas in psychiatric nursing, having completed the three years of training.

The hospital was honoured in having Dr. G. M. Little, Medical Health Officer of the City of Edmonton, deliver the address to the graduation class.

The following is the distribution of nurses and attendants in training and graduating:

0		
No. of	First Year Students	
No. of	Second Year Students	
No. of	Post-Graduate Nurses	in Training 3
No. of	Male Attendants Grad	luating 3

Once again our Training School office has had changes in personnel. Miss Margaret McLean, Instructor, was called for service in the Royal Canadian Naval Nursing Service, and is now stationed at St. John's Newfoundland. We were fortunate in obtaining the services of Mrs. E. Miles, R.N., graduate of Saskatoon City Hospital and of the Teaching and Supervision Course as given by the University of Western Ontario, London, and post-graduate in Psychiatric Nursing, Ontario Hospital, London, who has proven to be an

efficient instructor, and is intensely interested in student development. Miss Helen McCauley, Assistant Superintendent of Nurses, resigned in September, to accept a similar position at the University of Alberta Hospital. In her place came Miss Dorothy Bjarnason, R.N., graduate of Saskatoon City Hospital, post-graduate in Psychiatric Nursing, Ontario Hospital, London. Miss Bjarnason has also two years experience as supervisor of the Psychiatric Ward, Saskatoon City Hospital, and is a valuable addition to our teaching staff.

Our graduate staff has been greatly reduced during the past year, one of whom has joined the South African Nursing Service Corps, and others returned to general hospital nursing. We were fortunate in that several of our own graduates returned after affiliation, and display a keen interest in psychiatric nursing, some of these acting in a supervisory capacity. However, due to shortage of graduate staff, a greater burden of the nursing service has fallen on the student body, and they have had to assume more responsibility than heretofore. Ward teaching has become more difficult due to lack of time and staff, and it is only due to the long suffering of the teaching staff and supervisors that the heavy teaching programme has been carried out. Overcrowding of the wards has also made teaching difficult and "individual attention", something we hope to give when conditions return to normal.

We were hostesses to the Instructors Group of the Edmonton Nursing Schools during the summer. They were keenly interested in the hospital and Nursing School. After a tour through the wards, Dr. T. C. Michie gave a short talk on the Problems of Psychiatric Hospitals.

During the spring term, nine B.Sc. nursing students of the University of Alberta affiliated for two weeks' experience in psychiatric nursing, and had several talks on the subject, from a Public Health viewpoint, by the medical staff.

Through the Federal Government grant to the Canadian Nurses Association, a sum of \$100 has been allotted to Nursing School libraries, and this gift has been a great asset in building up our nurses library.

We were very pleased that this School of Nursing received recognition in the award of a C.N.A. bursary of \$500 to Mildred Nelson, a graduate of the 1939 class. Miss Nelson is attending the class in Teaching and Supervision for Graduate Nurses at the University of British Columbia.

During the month of February, Miss J. Clarke, B.Sc., of the City Health staff, Calgary, came to us as a temporary instructor, speaking to the students on Public Health Nursing. This was sponsored by the Alberta Association of Registered Nurses, being a part of their publicity programme in an endeavour to interest more nurses in Public Health work. Miss Clarke's lecture programme was much enjoyed by the students.

TEACHING OF MEDICAL STUDENTS

Lectures and clinics in psychiatric work were given to the medical students at the University of Alberta. Under present arrangements, the students being on the "Accelerated Medical Course" have fewer holidays, and lectures and clinics go on throughout almost the entire year.

MEDICAL LIBRARY

Subscriptions to medical journals were renewed, and new volumes of recent publications were added during the year.

VISITORS TO THE HOSPITAL

During the year, the hospital was visited by Dr. Cross, the Minister of Health. Dr. Cross continues to be vitally interested in the work of the institution, and has always been anxious and willing to further progressive changes for the bettermen of the patients, staff and the institution as a whole.

Dr. Bow, the Deputy Minister of Health, visited the hospital on many occasions. On each occasion, rounds were made and very helpful consultations and discussions were held. Dr. Bow's interest and readiness to help in solving the problems of the institution is greatly appreciated.

Representatives of the Department of Public Works visited the institution during the year. These visits were all too brief, and it is hoped that in the near future the Minister of Public Works or the Deputy Minister might find it possible to spend more time here, in order to make more complete inspections of the buildings, which are badly in need of extensive repairs, especially to the roofs.

A great many friends and relatives of the patients and members of the staff visited the institution throughout the year. On the whole, relatives seemed pleased with the treatment the patients received and the courtesy extended to them upon the occasion of their visits. Visitors, who are shown through the wards are usually favourably impressed with the work being done and the general organization of the hospital.

The Eugenics Board acted as a Visiting Committee, as in recent years, and made thorough rounds of the institution. This Board also inquired into the organization of the hospital, with a view to determining whether accepted standpoints in regard to the personnel and equipment and buildings were being adhered to. The report of this committee was submitted to the Department of Health, and recommendations suggested were carried out wherever possible.

ACCOMMODATION AND ALTERATIONS

No new accommodation was provided during the year, nor were the remaining wards at Oliver opened.

A considerable amount of emergency repair work was done on the buildings. Notwithstanding this, the roofs continued to leak badly, and this particular situation is growing worse year by year. Sooner or later, a large sum of money will have to be spent to repair or renew the roofs and the corridors of most of the buildings.

STAFF CHANGES

There were no additions or changes in the medical staff during the year. The Medical Superintendent, however, was given added responsibilities, and was appointed the General Medical Superintendent of all of the Provincial Mental Hospitals and the Red Deer Training School, with a view to bringing about greater co-ordination of the work and the resources of these institutions.

Early in the year, Miss Helen McCauley, Assistant Superintendent of Nurses, resigned to take a similar position in the University of Alberta Hospital. Her resignation was received with

regret. She was replaced later in the year by Miss Dorothy Bjarnason, who came to the staff with considerable training and experience, and discharged her duties very satisfactorily.

DEPARTMENTAL ACTIVITIES

Business Office.—The numerous demands and activities of this office are dealt with as they arise. Some changes in staff have occurred, but the routine work is being carried on satisfactorily, together with additional work, due to wartime regulations and many changes in the personnel of hospital staff.

Print Shop.—This department prints the various forms required by this hospital, and does as well, work for other branches of the Department of Health. There has been a considerable reduction in the cost of stationery as a result of the activities of this shop.

Cannery.—Again we are able to report a most successful year for this unit of the hospital activities. A total of 14,250 large No. 10 cans were processed and stored. This is the largest pack to date in the five years of operations.

With the war-time restrictions and almost total absence of commercial canned products and evaported fruits on the market, our home canned products have been a solution to an otherwise serious and almost impossible situation.

Carpenter Shop.—This department sustained a loss in the resignation and death later of George Watt, the Supervisor of this department for eighteen years. However, we were fortunate to secure the services of Mr. A. Sitters, an experienced carpenter and cabinet maker. The activities of this department are progressing in an economical manner.

Tailor Shop.—The manufacture of uniforms and patients' clothing, also repairs to same, is being carried on in a satisfactory manner by this department, in spite of difficulties, chief of which is obtaining deliveries of materials required for this work.

Shoemaker's Department.—During the year this department was moved to a new location outside the main building, with more floor space. Due to the good offices of the Public Works Department, a new finishing machine was constructed for this department at little or no cost. This is operating most satisfactorily. This department is operating to advantage, as is shown by the reduction in purchased items of footwear.

Laundry Department.—This department is still taxed to capacity to cope with the demands. However, machines are still kept operating and work is turned out with little or no delay. A need is felt for some new items of equipment to replace wooden, out-of-date machines.

Stores Department.—This department operates satisfactorily in spite of the existing problem of keeping up the stock of supplies due to war conditions. A need is still evident in the matter of more refrigeration space.

Farm.—The season of 1942 was most satisfactory, in spite of the unusual weather. The harvesting season was wet and winter came early. However, harvest was successfully completed. With additional acreage, little or no feed is now required to be purchased, which represents a distinct saving. The farm profits for the year, based on market prices for farm products delivered to the hospital, was \$26,899.17. A few items of interest might be: 995,465 lbs. of

milk, 68,365 lbs. of pork, 33,490 doz. eggs, and 12,000 bu. potatoes. Further details are available in our farm report.

Turkey production was ample for this hospital, and we were able to supply branch hospitals and the Central Alberta Sanatorium in Calgary.

Gardens.—This department experienced a satisfactory year. A constant supply of fresh table vegetables was provided for the hospital; also garden produce required for canning. The development of a fruit garden is proceeding, attention being given to berries. Sufficient quantity is now being grown for table use, also an appreciable quantity for canning. The killing frost of May 27th curtailed the raspberry crop. However, no B.C. berries were purchased this year. Cabbage and carrot crops were outstanding. This year, a total of approximately 300 tons of produce was grown. Honey production was somewhat above the average for the Province. The number of hives is being increased for next year.

Sewing Room.—This department continued to function very efficiently, and the turn-out included large quantities of uniforms, dresses for patients and repairs to these articles.

Kitchen and Dietary Department.—By virtue of the fact that the kitchen and bake shop were enlarged in recent months, it was possible for this department to carry on more satisfactorily than usual. The Dietitian and her staff are to be complimented for the high standard of meals, despite difficult conditions produced as a ressult of the war. During the year, this department catered to the functions held for the staff and for many picnics and parties for the patients.

During the year, many student dietitians came for special instruction.

Department of Chief Engineer.—This department has co-operated to the utmost with the Department of Health, and continued to provide adequate heat, light and water throughout the year. The Chief Engineer reported that despite the difficulty in obtaining equipment and repairs, the plant has functioned satisfactorily. The renovation of the heating system and the laundry steam system during the year apparently more than justified the material and labor required for it. The Chief Engineer kindly submitted a report, showing the figures for the amount of heat, water and electricity provided. This proves beyond a doubt that a considerable saving was effected in the plant during the elapsed year.

Department of Building Maintenance. — This department cooperated throughout the year in the maintaining of repairs to the buildings and equipment. It was possible to add a considerable amount of furniture and furnishings to the wards, making them generally more attractive and more comfortable.

This department supervises the fire-fighting equipment, and makes regular inspections to see that fire hazards are eliminated as far as possible.

Department of Housekeeper.—The savings effected by virtue of the establishment of this department more than justifies its existence. Reports from the Condemnation Board indicate beyond all shadow of doubt that such a department is a necessity in a hospital of this type. Apart from the savings effected, this department has to a great extent been responsible for improving the general appearance of the wards and other sections of the hospital. Linen Room.—In the latter part of the year, a linen room was opened, to serve as a sorting and distributing centre for such items as bed-linen, patients' dresses, underclothing, blankets and many other items of ward equipment. The hospital was fortunate in obtaining the services of Mrs. O. Fate, an experienced seamstress, who, in conjunction with the sorting and distributing, supervises a considerable number of patients, many of whom repair the items above-mentioned. This department, like that of the Housekeeper, has more than warranted its establishment, and has been limited only by virtue of its restricted quarters.

CONCLUSION

In conclusion, once again the overcrowding on both the male and female wards must be singled out as the most difficult problem of the institution. Conditions on the female wards are worse than on the male wards, but will be relieved to a great extent when the new wards are opened at the Provincial Mental Institute, Oliver.

There were no major staff changes during the year, but the shortage of trained ward personnel has been very alarming, and the outlook for any change in this situation is very poor.

The co-operation received from all the heads of departments and their employees was such as to leave nothing to be desired. Their understanding and helpful attitude cannot be overlooked in a report of this nature.

The Medical Superintendent, on behalf of himself and the staff of the hospital wishes to take advantage of this opportunity to thank the Minister of Health, the Deputy Minister of Health, the Department of Public Works, the Attorney General's Department, and all others who have assisted throughout the year in the administration of the hospital affairs.

Attached hereto are the Annual Reports of the Auxiliary Hospitals at Claresholm and Raymond.

TABLE No. 1 MOVEMENT OF PATIENT POPULATION DURING 1942

In residence Dec. 31, 1941	Male	Female	Total	Male 907 23	Female 703 4	Total 1610 27
Admissions: First Admissions: (a) Voluntary (b) Certificates (c) Warrant (d) M.D. Act Re-Admissions:	57 41 106 1	50 38 71	107 79 177 1	930	707	1637
(a) Voluntary (b) Certificates (c) Warrant (d) M.D. Act Transfers	17 9 29 —	13 18 38 1 5	30 27 67 1 7	262 1192	234	496
Separations: Discharges: (a) As recovered (b) As improved (c) As unimproved (d) As without psychosis Transfers Deaths	37 69 31 57 72 39	57 68 20 37 77 21	94 137 51 94 149 60	305	280	585
On leave or otherwise absent				887 40	661 5	1548 45
In residence Dec. 31st, 1942				847	656	1503

TABLE No. 2

SHOWING THE PSYCHOSES IN THOSE ADMITTED DURING 1942

	SHOWING THE ISTERIOSES IN THOSE ADMITTED DOI	11110	1942	
	Psychoses	Male	Female	Total
01.	Psychoses with syphilitic meningo-encephalitis (general paresis)	17	5	22
02.	Phychoses with other forms of syphilis of the central nervous system:			
	023 Tabo-paresis	3	1	4
03.	023 Tabo-paresis Psychoses with epidemic encephalitis			****
04.	Psychoses with other infectious diseases			
05.	Alcoholic psychoses:			
	053 Koreakow's psychosis	1		1
	054 Acute hallucinosis	10		10
06.	Psychoses due to drugs or other exogenous poisons:			
	064 Bromides		1	1
07.	Traumatic nevaluese:			
08.	Psychoses with cerebral arteriosclerosis Psychoses with other disturbances of circulation:	14	15	29
09.	Psychoses with other disturbances of circulation:			
	093 Myocarditis	2	1	3
10.	Psychoses with convulsive disorders	5	1	6
	101 Epileptic deterioration		1	1
	102 Epileptic clouded states	1	2	3
11.	Senile psychoses	13	10	23
	114 Depressed and agitated	3	2	5
	115 Paranoid types		2	2
12.	Involutional melancholia:			
	121 Melancholia	3	3	6
13.	Psychoses due to other metabolic, etc., diseases:			
	131 Pernicious anaemia (Thyroid)		1	1
14.	Developed due to now growth:			
	142	1		1
15.	Psychoses associated with organic changes of the nervous system			****
16.	Psychoneuroses	1	****	1
	161 Hysteria		3	5
	163 Neurasthenia	1	5	6
	165 Reactive depression	2	1	3
	166 Anxiety state	1		1
17.	Manic-depressive psychoses:			
	171 Manic type	12	25	37
	172 Depressive type	14	20	34
	174 Hypomanic		1	1
	177 Hypomania	4	2	6
18.	Dementia Praecox (Schizophrenia):			
	181 Simple type	1	2	3
	183 Catatonic type		54	115
	184 Paranoid type		19	36
200	185 Type undefined	2	1	3
19.	Paranoia and paranoid conditions:			-
-	192 Paranoid conditions Psychoses with psychopathic personality	4	5	9
20.	Psychoses with psychopathic personality	1		1
21.	Psychoses with mental deficiency	7	6	13
22.	Undiagnosed psychoses	2	1	3
23.	Without psychoses		3	7
	231 Epilepsy		1	6
	232 Alcoholism			1
	233 Drug addiction	1		1
	234 Mental deficiency 235 Disorder of personality	9	27	36
	235 Disorder of personality	2	1	3
	236 Psychopathic personality		1	1
	237 Seniity	1		1
	239 Brain Tumor	1	****	1
	240 Arteriosclerosis	1	1	. 2
	241 Tabes	3		
	242 Neuro-syphilis	, 29	8	37
	245 Diabetes		1	1
94	Other types	****	1	1
24.	Primary behaviour disorders			****
	Total	202	994	400
	Total	262	234	496

TABLE No. 3

NATIVITIES OF PATIENTS ADMITTED, 1942

Nativities	Male	Female	Total	Nativities	Male	Female	Total
Canada	127	119	246	France	. 2	1	3
England	. 29	19	48	Germany	a	4	13
Scotland	. 8	15	23	Hungary	100	4	9
Ireland	. 3	4	7	Norway	. 8	7	15
Wales	. 2	1	3	Sweden	. 5	1	6
Other British Possessions	1		1	Italy	. 2		2
U.S.A.	. 20	34	54	Belgium	. 1		1
Switzerland	. 1		1	China	. 7		7
Austria	4	4	8	Jugo-Slavia	. 3	1	4
Russia	. 8	4	12	Greece	. 2		2
Poland	. 3	9	12	Serbia	. 1		1
Czecho-Slovakia	. 5	3	8	Denmark		1	1
Finland	. 2	600	2		-	-	-
Rumania	. 3		3		262	234	496
Ukrainia	. 1	3	4				

DEPARTMENT OF PUBLIC HEALTH

TABLE No. 4 AGES OF PATIENTS ADMITTED DURING 1942

	adn	nissi	ons	Re-ad	imis	sions	Totals			
Δαιος	M.	F.	T.	M.	F.	T.	M.	F.	T.	
Under 15 years	2	4	6		1	1	2	5	7	
15 to 19 years	10	16	26	5	2	7	15	18	33	
20 to 24 years	25	16	41	7	8 5	15	32 25	24 22	56 47	
25 to 29 years	19 18	17	36 29	10	6	16	28	17	45	
30 to 34 years	23	19	42	11	12	23	34	31	65	
35 to 40 years	28	18	46	1	12	13	29	30	59 26	
45 to 49 years	11	6	17 34	3 5	6	9	14 24	12	45	
50 to 54 years	19	15	21	2	9	11	9	23	32	
55 to 59 years	13	10	23	1		1	14	10	24	
65 to 69 years	14	6	20	2	6	8	16	12	28 29	
70 and over	17	9	26	2	1	-3	19	10	-20	
Total	206	161	367	55	74	129	261	235	496	

			H	12		00		7			101	10	-	6	-	01				-	16	22	110	,	10	and a	94		376
	E	Totals	Fi.	es			Tana.	-		-	. 4	0	1	100	01	1					00	54	57	71	7		37		182
	CHARC		M.	6	, (00	1	9	,	1		21		7	10	1			*****	-	00	31	200	0	00		57		194
	TO PRINCIPAL PSYCHOSES AND CONDITION ON DISCHARGE THE YEAR 1942		T.					1		****		7		2	110						-1	00	21	4	:01				21
	ONC	roved					-																						
	DITIC	Unimproved	14									-										4	6		. 67			-	18
	CON	D	M.			-				-	-			0	1 77				-	-	110	4	122	00	1				15
	AND																												
	SES	P	H	1.9	1	00	1	.00		-		0		00	2	1		100	-		9	35	00 10	00	. 4		1 1	-	137
	УСНО	Improved	14	er.				-		-		2		-							07	21	31	-	01	,			1 89
	L PS	Im	M.	o		6.3	1	. 6	1	100	0	2		6	1-	-		2000	-		00	14	27	21	-			****	1 69
0.0	ICE TO PRINCIPAL P FOR THE YEAR 1942																												
IABLE NO.	PRIN E YE	-	H					14		-		0	-	4 47		-		1	-		00	42	31						1 70
IAB	TO I	Recovered	E.				-	-		1		N	-			-		1			01	29	17			3			15
	REFERENCE	Reco	M.									1			,			-				. 62	14		.0	1			120
	FERE		F																										
					: 00			00	: 1			00 9										1 1			×				
	WITH			-05	syphilis	-	litis	ctious diseases	-exo-			0	ses or		0.1		metabolic, etc.,			ic			a) (E		Psychoses with psychopathic personality				
				meningo_			encephalitis.	ip sn	other		-	riosc	isturbances	discondage	sor ac		abolic		p	Psychoses associated with organic	em		Dementia Praecox (Schizophrenia)	Paranoia and paranoid conditions	perso	Psychoses with mental deficiency			
	DISCHARGES, CLASSIFIED			ic m	encephantus (general parests) sychoses with other forms of	20			or			arte	distu				meta		rowth	ith o	system	SOSC	izoph	condi	thic	deric		rders	
	CLA		ses	shillt sol	er fo	vous	demi	r int	due to drugs		95	ebral	other	en los	v uist	holis	ther		ew g	w b	rvous	svehe	(Sch	pion	chops	1000	0868	diso	
	ES,		Psychoses	h syl	gene oth	ner	epi	with other	to	ns	chose				1000	eland	to o		to n	ociate	e ne	O PV	COX	parar	psy	out I	OSOS	lour	
	IARG		Pe	with	with	ntral	with	with	due	osioc	psy	with	with	111	WILL	ol m	due		due	assc	OI TH	ressi	Prac	pue	with	Will	sea l	ehav	Thetale
	ISCE			noses	toses	he ce	seson	loses	loses	genous poisons	natic	roses	10868	circulation	loses o mon	ution	loses	diseases	loses	sesou	changes of the nervous	o-der	sntia	noia	loses	10505	Undiagnosed psychoses	ary	E
	Д			Phychoses with syphilitic	encephanus (general paresis) Psychoses with other forms of	of t	Psychoses with epidemic	Psychoses with other infe	Psychoses	gen	Traumatic psychoses	Psychoses	Psychoses	CILC	Psychoses with convenience	Involutional melancholia	Psychoses due to other	dise	Psychoses due to new growth	Psycl	cha	Manic-depressive psychoses	Deme	Para	Psych	LSVE	Without neveloces	Primary behaviour disorders	
				01.	02.			7.5				.80	.60				100			15.	0,	17	18.	19.	20.	.17	35	24.	

												1																
		12	H	12	00			-,		70	3,4	-	20 1	-	N									101	4	94	1	376
		Total	H	00	1	1		-	4		0 +	- 0	NI	001	-			1	1111	00	54		1	-		37	1	182
			M.	6	63	-	19	٥		- 4	4	-	-1	0	-			-	-	90	31	S M	,	0	,	57	1	194
		99	H.		-	1	.,	-		17	4	1	-	-	-				=1	-	14	1		0	4	03	1	37
		Over 2 years	Į.	-	-	-	1		1	2.0	4		-	-			1		-							-		
		63	M.	-	-	-		-	-				-	-	-			-	-		000					-		
			-																									
		H 55	Ei	1	1	1		-	-		-	-	-	-			1	-	i	-	40	0	1	.0	1	01	1	14
		Under 2 years	14	1	-	1	-		-	-		-	1		1		-	1	-	-	40	4	1	:		1	1	7
		Per	M.	:	1	-	-	:	-	-	-	-	-	****	*****				-			7	-	.0	4	03	1	-
	1	, sq	T.	1	1		-				1			1	:		1	1		1		-	-		-	11	I	11
	INC	Under 8 month	í.	-	1	-	-				-			-	1		-								-	1 :	1	A
	IDE	Under 18 months	M.	-	-		-		-	-	-			-			-				11						1	
	RESIDENCE		FH																									
	OF	r	H	1		1	1111	-	:	*****	1	*****	1000	-	1			100	1	-	-	10	1	-		.01	1	19
	NO	Under 2 months	E.	1	- Control	1	1	-		-	-	-			*****		-		-		10.	4	-	1	:	1	1	0
	SHOWING DURATION OF	12 n	M.	1	-	-	-	1	-		ALL S	*****	****	-	110		-			*****	010	9	-	*****	-	. 63	1	10
0	DI f	38	T.	1	1	-	-		-	-		-	-	-	-		1		-	-	6	5	+	-	-	00	1	41
No.	JINC	Under 9 months	Ei,	-	****	-		-			-		-	-				-			9			-	-	-	1	93
ABLE	NOF	Du 6	M.	-	1	100	1	-		****	2000	-	-	-							000			-		00	1	18
IAL																												
	1942	rihs	H	10	-	-		N	*****	10	20	100	21	****	N		***	-	****	60	119	30	4		1	9	1	69
	NG	Under	M. F. T.	64	-	-	1	-			-		1	-	1			-	-	CI	11	10	4		4	.01	1	9.9
	DURING	6 10	M.	63	1	e e e e	1	-			21	1000	53		1		****	-	-	1	00 0	13	+	2000	-	4	1	27
		500	T.	9	63		-	4	٠,		4	-	4	4			1000	-		6	31	200	Na.	: 1	0	79	1	10
	ARG	Under	Sic.	-		-		91	_		00	-	0.1	-	000		-	-		4	91	27.	-		•	34		90 19E
	DISCHARGES	Under 3 months	T.	10	03	-	-	4	1,	-	-	1	01	00				1		10	22	0,	4		-	15		20
	DIS		F															-										
			Psychoses	With	62. With other forms of sypnilits of the central nervous system	With epidemic encephal	04. With other infectious diseases	-		Traum	With). With convulsive disorders			Ď,		14. Psychoses due to new growth	7	Д	-					22. Undiagnosed psychoses 23. Without psychoses		Trotal
				0	0	0	0	0	6	0	0	0	I	-	T	H	-	-	4	1	-	-	H d	N	Ni	No	2	

RECORD OF DEATHS DURING 1942

			24220			THE POLITICAL TOTAL
Registe				in Hospi		Course of Double
No.	Sex.	Age.	Years.	Months.	Days	Cause of Death.
10954	M	39		3	13	Chronic gastric ulcer with haemorrhage.
2832	M	48	17	9	4	Pulmonary tuberculosis.
4500	F	47	13	6	12	Pulmonary tuberculosis.
1362	F	71	23	9	18	Cancer of stomach.
11115	M	48	4111	****	1	Ruptured cavernous haemangioma of liver;
4504	3.5	en	10	-	10	Intraperitoneal haemorrhage.
4594	M	62	12	5	19	Chronic myocarditis.
11103 6180	M	73 73	9	1	27	Chronic myocarditis. Chronic myocarditis.
10790	M	65	9	8	14	Generalized arteriosclerosis.
3378	M	54	16	1	5	Dilation of the stomach, due to disseminated
0010	252		10	*		sclerosis.
11165	M	69			6	Haemorrhage from rectum.
10532	M	58		13	6	Rupture of right atrium of heart.
11180	M	63			1	Chronic myocarditis with myocardial de-
						generation.
10287	F	23	1	9	26	Pulmonary tuberculosis.
10815	M	54	1000	9	11	Myocarditis, exhaustion.
2032	M	74	21	5	14	Chronic myocarditis.
11196	F	58		5	23	Exhaustion due to acute mania and nephritis.
11186	M	71	****		19	Chronic myocarditis.
10916	M	69	100	7	3	Hypostatic pneumonia; chronic myocarditis.
11197	F	78		1111	8	Exhaustion and hypostatic pneumonia.
10819	M	59	7000	8	17	Pulmonary tuberculosis.
9842	F	30		8	17	Pulmonary tuberculosis.
7408	M	78	6	7	13	Chronic myocarditis.
11191	F	22	1	10	15	Scarlet fever. General paralysis of the insane.
11160	M	44	*****	1	22	Pulmonary tuberculosis.
9056	F	39 51	4	1	28	Tabo-paresis.
11203 10016	M	32	2	1	24	Myocarditis and endocarditis.
10408	F	49	1	8	14	Inanition due to psychoneurosis.
8850	M	79	3	8	2	Broncho-pneumonia and senility.
6530	M	26	8	1	22	Penetrating ulcer into the duodenum.
11281	F	67			6	Myocardial degeneration, generalized arterio-
11001						sclerosis.
8631	M	68	4	11	17	Broncho-pneumonia.
11242	F	55		1	25	Broncho-pneumonia complicated by oeso-
						phageal constriction.
10891	F	73		10	30	Terminal broncho-pneumonia.
10881	F	69		7	18	Erysipelas.
10210	M	31	1	9	2007	Broncho-pneumonia.
9951	M	69	2	10	3	Broncho-pneumonia.
11304	M	62		1	15	Chronic mycoorditis sonile nevelosis
11328	M	82	****	1	1	Chronic myocarditis, senile psychosis.
10409	M	42	1	11	25	Chronic nephritis. Chronic myocarditis.
11338	M	57	4	6	28 12	Chronic myocarditis, senile psychosis.
9000	M	82 42	4	6	22	Cerebral thrombosis, generalized arterio-
8991	TAT	42	*	0	200	sclerosis.
11266	M	83		3	6	Carcinoma of the lip with metastasis into
11200	ATA	00	4000			the cervical glands.
11380	F	50	1	10	22	Cerebral thrombosis.
11410	M	63			3	Broncho-pneumonia, diarrhoea and enteritis.
11395	M	68			14	Psychosis with cerebral arteriosclerosis.
335	M	60	29	. 9		Cerebral haemorrhage.
8591	M	28	6	5	15	Pulmonary tuberculosis.
11441	F	42		1	29	Exhaustion from acute excitement.
5748	F	61	10	3	23	Pulmonary tuberculosis.
11414	M	64	4444	1	13	Chronic myocarditis, myocardial degenera-
*****	-	60		0	0	tion. Chronic generalized arteriosclerosis.
11359	F	82	00	3	8	Generalized arteriosclerosis.
2411	M	84	20	7	20	Generalized arteriosclerosis.
4214	F	84	14	3 2	10	Cerebral arteriosclerosis.
11392	M F	85 64		2	17	Exhaustion due to inanition, senile psychosis.
11402 4811	F	45	10	7	24	Carcinoma uterus.
11052	M	52 .		11	28	Generalized paresis of the insane.
11000						

PROVINCIAL AUXILIARY MENTAL HOSPITAL, RAYMOND, ALBERTA

Movements of Patients.—On January 1st, 1942, there were 111 patients in residence. There were five patients transferred to this hospital from the Mental Hospital at Ponoka, and one from Claresholm. One patient was admitted by medical certificate and one re-admission by voluntary certificate. There were four discharges and one death.

Accidents and Elopements.—There was one accident during the year, when an elderly lady of 76 years fell and broke her left hip. There were no other accidents of a serious nature.

There was one elopement, patient being returned by R.C.M.P. after an absence of 17 hours. There were no other elopements.

General Health.—The general health of the patients has been very good during the past year. The entire population and the staff were innoculated against typhoid fever.

Dentistry.—The hospital was visited by Dr. J. E. Revell, who examined all of the patients with teeth, doing the necessary dental work. It would be appreciated if a dentist would visit twice yearly.

Occupational Therapy.—Due to the shortage on the staff ,the Occupational Parlors were not open all summer for needlework. It was therefore not possible to hold a bazaar. However, most of the patients were employed in the gardens and grounds. The Occupational Parlors have been open for the winter months, and are enthusiastically attended by the patients. It is a very valuable branch of Occupational Therapy.

Library.—Our library is still very small, containing 88 volumes. Current magazines are donated by some of the townspeople, and some are brought by the Catholic priest. These donations are greatly appreciated by the patients.

Religious Services.—These are conducted every Sunday afternoon by the United Church Minister from Magrath. Catholic services are rendered once each month.

Recreation and Entertainment.—Regular picture shows are held twice a month at the local theatre, and these shows are enthusiastically attended and enjoyed by the patients. They walk in a group to and from the theatre, attended by the nurses. This year the hospital received a piano, which is an invaluable addition to the ward, several patients being gifted musicians.

Physical exercises, marches and drills are conducted almost daily to the music. A Hallowe'en masquerade ball was a success with dancing. At Xmas a girls' chorus club of 20 voices came from town to the hospital and gave an hour's entertainment. The patients took part in the concert following. There are two radios on the ward also.

In summer, picnics are arranged on the lawns which are enjoyed very much. This year the annual Sports Day was not held, due to unfavourable weather.

The Occupational Therapy Department also takes an active part in entertaining the patients, planning picnics on the lawns, and at Christmas giving a party with a small gift for each.

Staff Changes.—Due to war conditions, there have been numerous changes on the staff, both domestic and nursing. All positions have been satisfactorily filled except those of a general graduate and a mental graduate. These have been filled by a ward aid in both instances. However, the hospital duties are being satisfactorily dispatched.

Visitors.—Periodic visits to the hospital were made by the General Medical Superintendent of Alberta Provincial Mental Hospitals. The Eugenics Board, acting as a Board of Inspection, also made their annual visit. Mr. E. R. Nicholls, of the Poultry Branch, Department of Agriculture, has also made periodic inspections of the hospital poultry.

Relatives and friends of the patients continued to visit the hospital, and took a keen interest in the institution.

Alterations.—The sewing room has been moved from the Occupational Therapy room to private quarters above the laundry. The noise of the sewing machines caused too much disturbance among the occupational workers. The move has been a definite benefit to both departments.

A private office has also been established for the Matron, away from the general chart room.

Gardens and Grounds.—The vegetable garden was excellent, and an abundance of vegetables raised. However, not having a suitable root cellar, a great deal of these will spoil, and vegetables will have to be purchased before the next crop is ready.

The flower beds made a good showing, and there was an abundance of cut flowers for the wards. New trees were planted in the patients' airing court, but it will be some time before they will give much shade.

Conclusion.—The patients are in good health, being out of doors must of the summer. They appear contented and happy.

TABLE No. 1
MOVEMENT OF PATIENT POPULATION DURING 1942

	Male	Female	Total	Male		Tota
n residence Jan. 1st, 1942					111	111
Admissions:						
(a) Voluntary	****	****	1111			
(b) Certificates		1	1			
(c) Warrant		****	1117			
(d) Order	4000					
(e) Transfers	0.000	6	6			
R-admissions:						
(a) Voluntary		1	1			
(b) Certificates	****	1111	****			
(c) Warrant		****		*		
(d) Order	4414	****				
(e) Transfers		1111	****		8	8
	-	-	1000		0	0
				-	110	119
				2111	119	119
Discharges during the year:						
(a) As recovered		1	1			
(b) As improved		2	2			
(c) As unimproved		1	1			
(d) As without psychosis	****	****	100			
(e) Transferred to other hospitals	****	4-4-	4000			
(f) Eloped		4011	1000			
(g) Deported to other countries	****	****	1111			
(h) Deaths		1	1		_	-
		-			5	5
				-		114
					114	114

TABLE No. 2

SHOWING THE DIAGNOSIS OF THOSE IN RESIDENCE, DECEMBER 31, 1942

	SHOWING THE DIAGNOSIS OF THESE AT			
		Male	Female	Total
01. 02.	Psychosis with syphilitic meningo-encephalitis (general paresis) Psychosis with other forms of syphilis of the central nervous		****	
	system: 021 Meningo-vascular type (cerebral syphilis)	1000	2	2
	622 With intracranial gummer		1000	
	023 Other types (to be specified)		****	
03.	Psychosis with euidemic enceppalitis		8117	1000
04.	Psychosis with other infectious diseases:			
ou.	041 With tuberculosis meningitis		2410	****
	042 With meningitis (unspecified)	1111	1111	1117
	043 With acute chorea (Sydenham's)	****		
	044 With other infectious diseases			****
	045 Post-infectious psychoses		****	1111
05.	Aicoholic psychosis:			
05.	051 Pathological intoxication			4111
	052 Delirium tremens		****	****
	053. Korsakow's psychosis			1000

	(t.) - monthed)			
	055 Other types (to be specified)			

	TABLE No. 2—Continued			
06.	Psychosis due to drugs or other exogenous poisons:	Male	Female	Total
00.	061 Due to metals (to be specified)		2	
	062 Due to gases (to be specified)			
	063 Due to opium and derivatives			****
07	064 Due to other drugs (to be specified)	****	****	****
07.	Traumatic psychosis: 071 Traumatic delirium			
	072 Post_traumatic personality disorders		****	****
	073 Post-traumatic mental deterioration	193.0	****	****
1100	074 Other types (to be specified)	1111		
68.	Psychosis with cerebral arteriosclerosis	000	3	3
09.	Psychosis with other disturbances of circulation:			
	091 With cerebral embolism 092 With cardio-renal disease	****		
	093 Other types (to be specified)	1414		****
10.	Psychosis with convulsive disorders (epilepsy):			
	101 Epileptic deterioration		1	1
	102 Epileptic clouded states 103 Other Epileptic types, with arteriosclerosis	****	1	1
11.	Senile psychosis:			
	111 Simple deterioration		4	4
	112 Presbyopherenic type	80.10	****	
	113 Delirious and confused types 114 Depressed and agitated types	****		
	115 Paranoid types	1010	3	3
12.	Involutional psychosis:			
	121 Melancholia	1000		****
	122 Paranoid types		****	****
13.	093 Other types (to be specified) Psychosis due to other metabolic, etc., diseases:	****	****	*****
10.	131 With diseases of the endocrine glands	2010		
	132 Exhaustion delirium			
	133 Alzhermer's disease			
	134 With pellagra 135 With other stomatic diseases	4010		****
14.	Psychosis due to new growth:			
	141 With intracranial neoplasms		4000	
	142 With other neoplasms		****	
15.	Psychosis associated with organic changes of the nervous system:			
	151 With multiple sclerosis 152 With paralysis agitans		4416	****
	153 With Huntington's chorea		4010	1011
	154 With other brain and nervous diseases			****
16.	Psychoneuroses:			
	161 Hysteria (anxiety hysteria, conversion hysteria and subgroups)			
	162 Psychastenia or compulsive states	****		
	163 Neurasthenia		4000	
	164 Hypochrondriasis 165 Anxiety state	****	****	
	165 Anxiety state 166 Mixed Psychoneurosis	****		
17.	Manic-depressive psychosis:			
	171 Manic type		1	1
	172 Depressive types	1110	3	3
	173 Circular type 174 Mixed type		1	1
	175 Perplexed type			
	176 Stuperous type		****	*****
18.	177 Other types (Hypomania)	****		***
10.	Dementia praecox (Schizophrenia): 181 Simple type		1	1
	182 Hebrephenic type	1111	7	7
	183 Catatonic type		21	21
	184 Paranoid type 185 Other types	****	25	25
19.	Paranoia and paranoid conditions:	****	****	****
	191 Paranoid			
	192 Paranoid conditions	****	10	10
20.	Psychosis with psychopathic personality		****	
21.	Psychosis with mental deficiency		12	12
22.	Undiagnosed psychosis		1	1
23.	Without psychosis:			
	231 Epilepsy 232 Alcoholism		****	
	232 Alcoholism 233 Drug addiction		200	****
	234 Mental deficiency	****	16	16
	235 Disorders of personality due to epidemic encephalitis	****	1	1
	236 Psychopathic personality: 2361 With pathological sexuality			
	2362 With pathological emotionality	****	****	
	2363 With asocial and amoral trends			****
	2364 Mixed tyes	****	****	****

TABLE No. 2-Continued

	Male	Female	Total
24. Primary behaviour disorders:			
241 Simple adult maladjustments		4040	1000
242 Primary behaviour disorders in children:			
2421 Habit disturbance	****		
2422 Conduct disturbance			****
2423 Neurotic traits	****	4147	****
	_		-
Total		114	114

TABLE No. 3

RECORD OF DEATHS DURING 1942

Registe	er	7	Time in N	Iental Ho	spital				
No.	Sex.	Age.	Years.	Months.	Days			Cause	of Death
9291	F	75	3	10	9	Senility	with	chronic	myocarditis.

PROVINCIAL AUXILIARY HOSPITAL, CLARESHOLM

Movement of Patients.—In residence on January 1st, 1942, there were 99 patients. In residence December 31, 1942, there were 98 patients. There was one admission, by certificate.

There were nine patients transferred to this hospital from the Provincial Mental Hospital, Ponoka.

There was one voluntary re-admission.

There were five patients discharged to the care of relatives.

There were four patients transferred to other hospitals, three to the Provincial Mental Hospital, Ponoka, and one to the Provincial Auxiliary Hospital, Raymond.

There were three deaths during the year.

Accidents and Elopements.—There were no elopements, although many of the patients were allowed the freedom of the grounds. There were no accidents of a serious nature.

General Health.—The health of the patients and staff has been generally good. There were three deaths due to degenerative conditions.

Dentistry.—Dr. Revell visited the hospital in June and examined all the patients' teeth and gave the necessary care. Further dental work was attended to by the local dentist.

Occupational Therapy.—The Occupational Therapy Department maintained its high standard of work. A bazaar was held with gratifying results.

The patients showed a marked interest in Red Cross knitting and sewing, and have contributed much to this work.

During the summer months many of the patients worked outside in the grounds and gardens.

Library.—New books were obtained for the library, which continues to be a source of pleasure for the patients.

Buildings.—Repairs to all the buildings were carried out by the Public Works staff. Their kind co-operation and interest in the welfare of the institution is very much appreciated.

Gardens and Grounds.—The lawns and gardens were improved during the year.

The garden produced an abundance of vegetables this year. There was sufficient for our needs and a quantity was sent to the Central Alberta Sanatorium.

The flowers and grounds were lovely, and were the object of many favourable comments.

Religious Services.—These were conducted each Sunday afternoon. Local clergymen were very kind in co-operating to conduct the services.

The Catholic services were conducted once a month.

Recreation and Entertainment.—The patients continued to attend the regular matinees at the local theatre twice a month. More than half the patients attended regularly and enjoyed this form of entertainment very much. Sincere thanks are due the management of the theatre for their co-operation in the arrangements.

Varied forms of entertainment were arranged for the patients. These included parties, picnic suppers and the annual Sports Day. The United Church Choir visited at Easter and Christmas, and their music was enjoyed greatly.

Mrs. O. Lundgard and Miss A. Horton kindly donated their services at the piano and accordion for the parties. This was very much appreciated.

Dietetic Department.—Under the able supervision of Miss Muriel C. Harvey, the dietetic department maintained its high standard of efficiency.

Staff.—Dr. G. B. Rose, of Claresholm, has given the necessary medical care to the patients.

Staff Changes.—There were a few staff changes on the nursing staff, and the positions have been filled.

Visitors.—Visits to the hospital were made by the Medical Superintendent of the Provincial Mental Hospital. His interest and advice was keenly appreciated.

The members of the Eugenics Board, acting as a Board of Visitors, visited and inspected the hospital in November.

Frequent visits were made to the hospital by relatives and friends of the patients.

TABLE No. 1 MOVEMENT OF PATIENT POPULATION DURING 1942

	Male	Female	Total	Male	Female	Tota
In residence Jan. 1, 1942					99	99
Admissions:						
(a) Voluntary	****	4000	1000			
(b) Certificate		1	1			
(c) Warrant	4000	1011				
(d) Order	****	****				
(e) Transfers	440	9	9			
te-admissions:						
(a) Voluntary	3449	1	1			
(b) Certificate	****		1111			
(c) Warrant	****	****	****			
(d) Order	1100		* ****			
(e) Transfers	****	2003	2112			
	_	_	-	1111	11	11
				-		
				3111	110	110
Discharged during the year:						
(a) As recovered	2000	****	****			
(b) As improved			****			
(c) As unimproved	****	5	5			
(d) As without psychosis	****	****	4111			
(e) Transferred to other hospitals	2000	4	4			
(f) Eloped	****	11.00	in			
(g) Deported to other countries	1111	****	****			
(h) Deaths		3	3			
	-	-	-		12	12
				-		-00
					98	98

		TADI F No. 2			
	SHOWING	TABLE No. 2 THE DIAGNOSIS OF THOSE IN RESIDENCE, DEC		R 31, 19	
01. 02.	Psychoses Psychoses system	with syphilitic meningo-encephalitis (general paresis) with other forms of syphilis of the central nervous			
	021	Meningo-vascular type (cerebral syphilis)		2007	2000
	022	With intracranial gumma			8111
03.	Psychoses	Other types (to be specified) with epidemic encephalitis		1	1
04.	Psychoses	with other infectious diseases:			-
	041 042	With tuberculosis meningitis	4414	****	
	043	With meningitis (unspecified) With acute chorea (Sydenham's)	1000	****	1111
	044	With other infectious diseases		1	1
05.	045	Post-infectious psychoses		****	2010
05.	Alcoholic 051	psychoses: Pathological intoxication			
	052	Delirium tremens		****	
	053	Korsakew's psychosis			
	054 055	Acute hallucinosis Other types (to be specified)		****	****
06.		due to drugs or other exogenous poisons:		1-1-	2111
	061	Due to metals (to be specified)		4414	4914
	062 063	Due to gases (to be specified) Due to opium and derivatives	****		****
	064	Due to other drugs (to be specified)	2000	4014	
07.		psychoses:			
	071 072	Traumatic delirium	****		****
	073	Post-traumatic personality disorders Post-traumatic mental deterioration	****	1114	+114
100	074	Other types (to be specified)		1010	
08.	Psychoses	with cerebral arteriosclerosis	1010	4	4
09.	091	with other disturbances of circulation: With cerebral embolism			
	092	With cardio-renal disease		1010	2000
10	093	Other types (to be specified)			
10.	Psychoses 101	with convulsive disorders (epilepsy): Epileptic deterioration			
	102	Epileptic clouded states	****	1000	
	103	Other epileptic types		1	1
11.	Senile psy 111	Simple deterioration			- 0
	112	Presbyophrenic type		2	2
	113	Delirious and confused types			****
	114 115	Depressed and agitated types		1	1
12.		Paranoid types al psychoses:		****	****
	121	Melancholia		5	5
	122 123	Paranoid types			****
13.		Other types (to be specified)	****	****	3000
	131	With diseases of the endocrine glands			
	132	Exhaustion delirium		8000	****
	133 134	Alzheimer's disease With pellagra	1111	****	****
	135	With other somatic diseases		1000	
14.	Psychoses	due to new growth:			
	141 142	With intracranial neoplasms With other neoplasms	****		****
15.		associated with organic changes of the nervous system:	****	****	
	151	With multiple sclerosis	****		****
	152 153	With paralysis agitans With Huntington's chorea	****		****
		With other brain or nervous diseases	****	1	1
18.	Psychoneu	roses:			-
	161	Hysteria (anxiety hysteria, conversion hysteria and subgroups)			
	162	Psychasthenia or compulsive states		1111	****
	163	Neurasthenia		1	1
	. 165	Hypochondriasis	****		****
		Anxiety state Mixed Psychoneurosis	****	1411	4
17.	Manic-dep	ressive psychoses:		****	4111
	171 172	Manic type	****	1	1
	173	Depressive type Circular type		2	2
	174	Mixed type		1000	4111
	175	Perplexed type	****		
	176 177	Stuperous type	****	****	4000
18.	Dementia	Other typespraecox (schizophrenia):		****	****
	181	Simple type		2	2
	182	Hebephrenic type		6	6
		Catatonic type Paranoid type	****	19 23	19 23
430	185	Other types	****	20	20
19.	Paranoia a	and paranoid condition:			
	192	Paranoia Paranoid conditions	****	10	10
20.	Psychoses	with psychopathic personality	****	10	10
					2000

	TABLE No. 2—Continued	Male	Female	Total
21.	Psychoses with mental deficiency		11	11
22. 23.	Undiagnosed psychoses:	m.		****
	231 Epilepsy 232 Alcoholism		****	
	233 Drug addiction			
	234 Mental deficiency		6	6
	235 Disorders of personality due to epidemic encephalitis 236 Psychopathic personality:		**** '	
	2361 With pathological sexuality		1010	
	2362 With pathological emotionality	****	0.00	****
	2363 With asocial or amoral trends	****		4010
24.	Primary behaviour disorders:	****		
	241 Simple adult maladjustment 242 Primary behaviour disorders in children:	****	****	A111
	2421 Habit disturbance	****	****	
	2422 Conduct disturbance	****	****	1111
	2423 Neurotic traits	****	****	****
	Total		98	98

TABLE No. 3 RECORD OF DEATHS DURING 1942

Registe	r		Time in M	Iental Ho	spital				
No.	Sex.	Age.	Years.	Months.	Days		Cause	of	Death
225	F	83	29	11	30	Myocardial	failure.		
9613	F	46	3	1	27	Lukaemia.			
11114	F	70		5	14	Coronary oc	clusion.		

Provincial Mental Institute, Edmonton, Alberta

(W. J. McAlister, M.D., Medical Superintendent)

GENERAL REMARKS

There were 939 patients registered on our books at the close of the year. A total of 220 patients were admitted during the year; 90 of these were first admissions, 1 re-admission, 128 were transferred from Ponoka, 1 from Red Deer. There were 54 patients discharged during the year, of whom 36 died; of these, 17 were 70 years of age or over.

As no action has been taken to establish the Provincial Mental Institute on an active treatment basis, our population still remains preponderantly chronic in character.

At the end of the year, there were 122 mental defectives without psychosis. A large number of these were included in the group of females transferred from Ponoka. For the most part, these are low-grade idiots, and while they require a special type of building, it is rather regrettable that we have to house them in our new expensively constructed women's building. The question of the care and control of the adult defective is one that in the interests of economy might well be seriously considered in any future building programme.

We had two elopements during 1942, one of which was returned and the other (Jonathan Waterhouse) is still at large. There were no cases of suicide or homicide.

Institutional Progress

In spite of the static nature of our work, there has been some progress made, notably the purchase of a portable X-ray machine. This has been put to excellent use ever since its installation.

In the women's building, now known as No. 5 Building, the first floor was taken over and occupied in March by the transfer from Ponoka of some 70 refractory patients.

Up to the time of Dr. Hemmings' resignation, a good deal of major surgery was being carried on. Unfortunately, he felt that in his own interests he should get back into private practice again, and resigned about the middle of December.

One new residence was erected, namely, the residence for the Assistant Superintendent, Dr. Schrag.

The necessity for additional staff residences should be kept in mind in order to take care of the demand from departmental heads. At the present time, the house which Dr. Hemmings vacated is vacant, but this has been held open against the possibility of a replacement on the medical staff. Some additional thought should be given now to the construction of another building for a medical man, so that not only this building but one or two more could be made available for other departmental heads who should be living on the premises, but now have to seek accommodation in the city.

Apart from the active hospital work, a certain amount of specific therapy was carried out, in keeping with the type of patient now in residence.

The condition regarding segregation and treatment of tubercular patients still remains unchanged and, I might add, most unsatisfactory.

The staff problem continued acute throughout the year. There were 125 appointments made and 134 resignations. This represents a tremendous turnover in staff, making administration extremely difficult.

There are now only two on the medical staff, namely, myself and Dr. Schrag, my assistant. With a population of between 900 and 1,000 patients, little can be done other than routine ward visiting if such extra-institutional work as has been set up is to be continued. Your Superintendent has carried on the Police Court and such relative activities, and Dr. Schrag has officiated most acceptably as charge of the Guidance Clinic. The latter could be enlarged appreciably if the doctor was in a position to give more time to the work.

We have admitted quite a number of problem delinquent cases, some defective and some not. These were all juveniles, the non-defective being admitted primarily to prevent their contacts with more hardened criminals in jail and thus confirming them in their delinquent career. While I feel that this is a laudable procedure, still the non-psychotic and the non-intellectually defective are a disruptive influence in the hospital, hence it is our hope that steps will soon be taken to meet the delinquency problem, which is, in my opinion, a real problem in Edmonton and other urban centres.

RELIGIOUS SERVICES

Routine religious services were carried out, and I wish to record my appreciation to the clergy who officiated during the year.

HEALTH

We were free from anything in the way of serious epidemics, but our hospital ward has continued to function actively and to capacity. This is understandable in view of the number of old people and the fact that many of these senile cases are admitted with grave physical disabilities.

In connection with the T.B. situation and in view of its increase within the institution and our difficulties in handling active cases, I would strongly urge the necessty for a survey and the need for an isolation ward to take care of those requiring modern care and treatment.

INSTITUTIONAL FARM

The work at the farm has continued in a fairly satisfactory way, and our association with the Farm Manager has been all that could be desired. He, however, has been working under very adverse conditions, being unable at times to keep an adequate staff due to the fact that salaries continued low and men were able to go out and get a much higher salary at other types of work.

The patients still continue to make their contribution at the farm. During the year, some 12 to 15 patients were regularly employed there.

Institutional Finances

The farm and institutional net profit is shown as \$19,107.33. This is made up as follows: Inventory increase of feed, \$6,000; inventory increase of livestock, \$4,000; institutional vegetables, \$5,500. Credit for this latter, of course, should be given entirely to the indefatigable work of our very efficient gardener, Mr. Alex. Paton. The gardens produced abundantly, and we were able to sell the following produce: Potatoes, 228,680 pounds; parsnips, 20,800 pounds; carrots, 21,000 pounds; turnips, 10,000 pounds; cabbage, 3,000 pounds. The farm sold: Beef, 15,000 pounds; pork, 37,500 pounds. To put it in another way, Mr. Paton produced sufficient vegetables to supply the entire institutional needs and had a surplus of 150 tons which, when sold, brought in a revenue of \$4,216.75.

There was an increase per capita cost from 62.8 to 65.5 cents. This arose mainly from increased costs of items purchased, plus cost of living bonus.

CONCLUDING REMARKS

At this time, I wish to take the opportunity of thanking all members of the staff who through their loyalty and co-operation enabled the Institute to carry on as efficiently as it did throughout a very difficult year. Much added responsibility was thrown upon many of these faithful employees through the defections of those who came and after a very short time resigned, but this responsibility was cheerfully borne in the belief that everything was being done to meet the unusual staff situation.

My association with the Department of Public Works in the person of Mr. Muir, Chief Engineer, Mr. Cameron, Department of Construction, and other members of Public Works at headquarters, has continued most cordial, and I take this opportunity of thanking each and every one for their co-operation and readiness to help wherever it was in their power so to do.

Mr. Murray, the Bursar, and his staff have proven themselves faithful and efficient, and not only have carried out their work faithfully, but have cheerfully shouldered added responsibilities.

Medical staff in the persons of Dr. Schrag and Dr. Hemmings proved themselves loyal and co-operative, and your Superintendent experienced keen regret that Dr. Hemmings felt that he should go into private practice. To date, it has not been possible to replace him. Dr. Schrag has assumed the added burden with great credit to himself and the hope that serious efforts are being made to find someone to replace Dr. Hemmings.

Our nursing staff has for the most part been capable, and have measured up well to their responsibilities.

The Visiting Committee appointed by the Government made their annual visit in October, and seemed pleased with the general conditions as found during their tour of inspection. No doubt you have received a report relative to their visit, and possibly suggestions dealing with certain deficiencies as observed by them. Apart from the Visiting Board, there were practically no visitors other than those who come to see their relatives and friends.

Concluding my remarks, I wish to thank you, sir, and your Department for your consideration and your interest in the many problems of the Institution.

I would, however, again stress the need of placing the Institute on an active treatment basis, making provision for a dormitory at the farm, providing facilities for the care and treatment of the non-refractory senile type of patient, and the mental defective as well.

TAB	LE	No.	1	

MOVEMENT OF POPULATION			
	Males	Female	s Total
Patients on Books January 1st, 1942: (a) In Hospital	763		763
(b) On Probation	2		2
(c) Elopements (d) In University Hospital	****	****	****
(e) On Special Parole	7		7
Total			773
Almissions during year:	-		
(a) First Admissions	77	13	90
(b) Re-admissions (c) Transfers	ma	59	129
Total	148	72	220
Total received during year:	-	-	-
(a) Transfers		59	129
(b) Re-admissions (c) By Warrant		7	59
(d) Voluntary	5	1 2	6
(e) By Certificate (f) By Mental Defectives Act	6	3	9
Total	148	72	220
Total on books during year	921	72	993
			_
Discharged during year: (a) As Recovered	1		1
(b) Improved (c) Unimproved	12	ī	12
(d) Without Psychosis	****		
(e) Transfers (f) Died during year		1	36
Total	-		54
	-		_
Patients on books at end of year: (a) In Hospital	848	67	915
(b) On Probation (c) Elopements	14	2	16
(d) In University Hospital	****		B101
(e) On Special Parole	6		6
Total	869	70	939
Total Admitted since Opening	1434	72	1506
Total Discharged since Opening	422	2	424
Total Died since Opening	292	1	293
TABLE No. 2			
NUMBER OF OFFICERS AND EMPLOYEES	Males	Female	es Total
Medical Superintendent Assistant Medical Superintendent	1		1
Medical Officer	1	****	1
Dentist (part time) Bursar		****	1 1
Storekeeper	1		1
Stenographers and Clerks Night Supervisors		3	4 2
Graduate Nurses Other Female Nurses	100	10	10 9
Male Attendants	. 70		70
Seamstress Shoemaker		1	1
Therapists Kitchen and Bakery	. 1	2	3 6
Laundry	. 2	2	4
Gardeners and Assistants Engineers and Mechanics			13
Other Employees (Male)	. 9	****	9
Other Employees (Female)		3	3

TABLE No. 3 PSYCHIATRIC AND INDUSTRIAL CLASSIFICATION OF PATIENTS

FSICHIATRIC AND INDUSTRIAL CLASSIFICATION OF	PATIE	MIS	
Psychiatric:	Males	Females	Total
Patients Insane		53	817
Mental Deficiency (not Insane)	90	16	106
Alcoholic (not Insane) Drug Addicts (not Insane)			****
Neurosyphilitics (not Insane) All Other Types (not Insane)	7	ï	8
Undiagnosed		****	****
Total Population	869	70	939
Industrial: Industrial Workers		-	
Garden Workers and Farm		15	63 56
Internal Workers External Workers	352	16	368
Doing no work	392	36	428
On Probation, Parole, etc.	-	3	24
Total Population	869	70	939
TABLE No. 4 NATIVITY OF PATIENTS IN RESIDENCE			

	Males	Females	Total		Males	Females	Total
Canada	264	32	296	Japan	2		2
Australia	1		1	Norway	22		22
Austria	63	7	70	Poland	36	6	42
Belgium	3		3	Roumania	9	1	10
China	4		4	Russia	45	5	50
Denmark	8	eres.	8	Scotland	33	2	35
England	100	4	104	Sweden	19		19
Finland	4	1	5	Switzerland	7		7
France	9	1	10	United States	117	5	122
Germany	30	2	32	Wales	8	1	9
Holland	2		2	Other Countries	31	2	33
Hungary	6		6	Unascertained	18		18
Ireland	17	1	18		-		-
Italy	11		11	Total	869	70	939

TABLE No. 5

Citizen by birth		Females	Total 330
Citiben by Naturalization Aliens	73	21 9	94 326
Unascertained British Birth out of Canada	34 147	8	34 155
Total	000		000

TABLE No. 6 DENTAL REPORT

	Males	Females	Total
Patients Examined	184	33	217
Patients Treated	202	7	209
Prophylactic Treatment	102	3	105
Fillings	33	2	35
Extractions	156	5	161
New Dentures	3		3
Dentures Repaired	10	2000	10
General Anaesthetic	10	101	10
Denture Adjustments		2012	2122
Denture Aujustments	1949.	F11-F	****

AGE AT ADMISSION AND PRINCIPAL PSYCHOSES

		F	Total		Unde	r 15	Under 15 years	15	to 1	6	20	to 24	4	63	25 to 2	53	8	0 to	34	63	5 to	33
	Psychoses	M.	14	H.	M.	H	H.	M.	E	H	M.	E.	E.	M.	H	H	M.	fizi	H	M. F. T. M.	Gri.	
1	Traumatic		*****	****	-	-		****	***		-	-		1	-	*****	****	1	*****	-		
2	Senile		1	30	1000	****	2010	4000	1		*****	1	-			-	-	1		1	-	
60		27	****	27	-	-	-	-				*****			-		.0	1000	10			
4	General Paralysis	23		23	-		*****	-	1	-	-	-	-		-	1	0 -	1	0 -	4.		
iń	With Cerebral Syphilis		-	es e	1		****		1	-	1	1					1		1	-	-	
6.	With Huntington's Chorea	4.1	1	00	-	1			1	-	-	1	-		-	-	i	-	-		-	
7	With Brain Tumor		-	1	Section 1	1	-	1		-			1		-			!			-	
oò o	With other Brain Diseases		-		1	1		:		-		1	1	-	-	-	1 1	1	1	-	1	
200	Alcoholic Dire to Derige		-	-	1	1									1					-		
11	With Pellagra									-	1		1000	1	-		-	1	-		-	
12.	With other Somatic Diseases		1	4		1				****	*****	****	-	-		-	-	-	101	-	1	
13	Manic Depressive		10	53		11111	-			1				-	63	62	4	6.0	9	4	1	
14.	Involutional Melancholia	_	2	63	****	-				-	-	:		1	****		10			100	-	
15.	Schizophrenia	**	20	83	*****	1				14	67	23	69	100	4	104	95	9	101	08	# 1	
16.	Paranoia and Paranoid Conditions	-	031	69	1	-				10	10			00.0		001	-		- 0	00	-	
17.	Epileptic Psychoses	-	-	36	1	4000				20	00	-	5	20	N	n		N	0	0		
18	Psychoneuroses and Neuroses		1	21	-	-				-	-	1	-	1		1	-		-	-	1	
139	Psychopatic Personality		. 4	1 22	-	1			-	.01	1	-	o	10	1	10	10	0	12	. 0		
20.	Thdischosed	. 61	-	200	1							1			-	-		1 111	1			
22.	Without Psychoses:																		,			
	Α	00		80	*****			53		01	-	:	-	60	-	00	1		-	-		
	2		-	1	-	1		-		-		1		1	-		-	-	-	-		
	Α	- 16	16.1	107	1	.00	.0	19	17	23	24	: NO	29	10	07	13	1	-	00	9		
	4		-	10	-	1	-	-		-		1	-	-	1	1	-	1	1	-	-	
			1	1	1	1	1	1		1	1	1	1	1	1	1	-	1	1	1	1	
	Total		70	339	11	2	13	40		47	109	6	118	134	12	146	136	13	149	116	6	

	PSYCHOSES
-Continued	PRINCIPAL
No. 7-	AND
TABLE	ADMISSION
	AT
	AGE

		AC	AGE A	AT AD	MISS	ADMISSION	AND		PRINCIPAL PSYCHOSES	AL P	SYCI	IOSE	tn.								1		
Psychoses	4	40 to 44	14	45	45 to 49		501	50 to 54		555	55 to 59		60 to 64	0 64	-	65 to 69	69	70	70 and over	ver	5	Unascer- tained	- p
	M.	M. F.	F.	M.	1	H.	M.	1	T.	M. J	F. T		M. I	F. T.	M.	H	F.	M	Ei,	H	M.	ju,	H
Traumatic		-		*****																			
Senile				-		-	1		53						16			10		10	1		-
Cerebral Arteriosclerosis	1	1	1				-		1				11		4		4	6		6			
	6		6	9		9				00	00				*****								
			****			*****				2000			1000		*****								
	-		1	1		-	*****	-	1						****			1	-		-		
			*****	-										****	-	-			-				
With other Brain Diseases				1		ed.	00 1				-			*****		-					-		1
Alcoholic Design	21		71	100		1,					***	-			1					anda.			
Due to Drugs	1000		-	1		-	4111						2000		****	-							
With Peliagra						17									-	*****							
Monda Domescales Diseases		:0	-		- 0					- 0			- 0					-					
Taxolational Malanahalia	4	NI C	00			n																	
Cohizonhagaio	***	4+	404	90											-						, k		
Devenois and Devenoid Conditions	111	-	10	800		250							00		1	1					n		
Endontic Developes	07	4	07	0		0												1					
Development of Marross	4	*	3-	-																			
Pevehonatic Dereonality		+	,	+		-												1					
With Mental Deficiency	4		3												0						ţ		
Undiagnosed			,			1	-																
Without Psychoses:																							
А	-		1											****	1	-				1000			
Q C	-			*****		-	-														1		
4				9											-			-				1	
4 6	0	10	0	0		0	0-		0-						1	1		1.		-			
		1	1	1					.]					-	101			1	11	1			
Total	87	-	94	63	9	69	2.9	10	72	333	333		28	28	18		18	20		20	7		. 1

TABLE No. 8
DEGREE OF EDUCATION OF FIRST ADMISSIONS, BY PRINCIPAL PSYCHOSES

		T	otal		П	Illiterate	te	Rea	Reads and Writes	p	Com	Common	High	Scho	loc	Un	ivers	ity	G	Unascer- tained	400	
	Psychoses	M.	14	T.	M.	H	H	M.	H.	-:	M.	F. T.	M.	F. T.	T.	M.	M. F. T.	H	M.	14	H	
i	Traumatic			-														-	-		-	
ci	Senile	6		30			es	=======================================	-				63		63				6/1		2	
63	Cerebral Arteriosclerosis	-		27			4	6	-				1	-	1	*****			63		03	
4.	General Paralysis	00		33			63	6	-				53	:	63	*****		*****	-		*****	
ò	With Cerebral Syphilis	01		01				-	-						-				*****			
9	With Huntington's Chorea	01		63			1	*****						:		*****			*****		:	
7	With Brain Tumor	18		1111									*****						*****		-	
oó ·	With other Brain Diseases	9		-			1		1				53	-	63			-			-	
9.	Alcoholic	*		4			-	-	-				1	-	-	-		-	*****		*****	
10.	Due to Drugs	-		1			-		-				1	-	-	11111		-	*****		****	
111.	With Pellagra	-		*****			*****						****	:				-	-			
12.	With other Somatic Diseases	00		4			-		-													
13.	Manic Depressive	00		523			9	10	3 1				2	-	00	-		-	-		-	
14.	Involutional Melancholia	-		00					-				1		-							
15.	Schizophrenia	00		83			26	163	13 17				31	N	33	1-		7	24		24	
16.	Paranoia and Paranoid Conditions	-		69			4	21	1 2				7		1	-		-	4		4	
17.	Epileptic Psychoses	6		36			4	13	3 1				1		1	-			-		63	
18.	Psychoneuroses and Neuroses	-		63				-	1000					-	-	1		1	-		1	
19.	Psychopathic Personality	-		1				1	1000				-			*****			and a		-	
20.	With Mental Deficiency	0		26	6		11	17	4 2				23	-	63	-		-	63		63	
21.	***************************************	04	1	00		-			-		23	1 3	4666	-	-	-	-	-	****	1000	-	
200	William Fayenoses.	o		00			Y	0														
	C C	0		0				4							-				*****		1	
	96	-						-										-	-		1	
		16		200	41	19	000	35	4		10				-	-		1				
] Fa.	100		15			3	300								1			4		4	
		1		1				1								-		-				
	Total			39			10	202	80 89						18	15		15	100		1 8	
				200			CT.	100	30 00						20	10		TO	200		200	

	. PSYCHOSE
	PRINCIPAL
	BY
TABLE No. 9	ADMISSIONS.
	FIRST
	OF
	ENVIRONMENT

						Urban							
			Total		2,50	o and o	ver		Rural		Unas	certain	ped
	Psychoses	M.	E.	T.	M. F. T.	í-i	H.	M.	E4	F.	M.	M. F. 7	H
1.	Traumatic		Town.										
ci	92	29	-	30	16	-	17	12		12			-
63	_	27		27	10		10	16		16	-		
4.		65		07	18		18	122		10			•
51		2		200	-		-	-		-			
6.		100	-	100	10	-	00					1	1
7		1		,	1	1	,				-		
00	With other Brain Diseases	9	-	7			6		-				1
9.		*1		4	1		-	000		H pr			•
10.		-		-									
11.	With Pellagra				•								1
12.		0	-	4		-	-	0		. 0	-		-
13.	-	43	10	100	17	400	90	36		000			
14.	Involutional Melan	-		000	-	,	2	2	- 0	30		*****	
15.		463	20	483	144	7	151	301	100	214	10		0
16.	Paranola and P	67	200	69	18	- 67	20	48	2	48	1	-	7
17.	_	53	-	36	7	100	10	21	7	255	-		-
18.	_	-	-	63	-		-		-	1			
19.	_	1		1				1					
20.		20	9	26	12	63	14	37	4	41	1		-
21.		C1	-	00	1		1	1	-	63	*****	-	-
2	WITT	0			•					,			
		0		00	N	-	N	9		9	-	-	-
				. 0	-	17			-		-	1111	-
	H	16	16	107	36	4	40	K2 L	1.0	C.F.		***	.0
		100		10	200		20	300	75	300	1	****	4
		1	1	1	'	1	1	,	1	,	1		
	Total	698	20	939	292	22	317	551	45	296	26		26

TABLE No. 10 ECONOMIC CONDITION OF FIRST ADMISSIONS, BY PRINCIPAL PSYCHOSES

		F	otal		Ã	Dependent	nt	Living on Daily Earnings	iving o	ings	Comfortable for 4 mont	mfortable (an for 4 months)	(ample ths)	D.	Unascer-	
	Psychoses	M.	14	T.	M.	í.	H	M.	14	H	M.	14	H	M.	Œ,	H
1.0	Traumatic	29	-	30	110	-	16	==	1	11			1	.01	11	61
ios	100	27		27	12		12	10		10	100		0.00	1	-	-
4	General Paralysis	33	****	33	10	-	10	14		14	00	-	00	1	1000	-
20	With Cerebral Syphilis	23	****	01	01		53	-	Same?		****		-	· Sant	4111	
6.	With Huntington's Chorea	67	1	00	63	-	00		-	1			****			
7.	With Brain Tumor			-	*****	-	4000	100			1000	1000				1
00	With other Brain Diseases	9	-		4	-	10	03		03 1		****	2000	*****	-	-
9.	Alcoholic	4		*	01	71111	23	1	-	-	1	-	1		-	-
10.	Due to Drugs	1		1	4000		****	1	-	1		-		1000		
111.	With Pellagra				*****	1000	111	*****	-	No.		-	0006	****	-	*****
12.	With other Somatic Diseases	00			-	1	67	23	-	03	1		100	-		-
13.	Manic Depressive	43			15	6	24	22	-	53	9		9			-
14.	Involutional Melancholia	1				63	01		=	-	-	-		10	-	
15.	Schizophrenia	. 463			147	17	164	266	00 1	269	35		32	18	004	18
16.	Paranola and Paranold Conditions	67	215	69	13		50	45	1	43	9	1	9		-	1
17.	Epileptic Psychoses				13		97	OT		OT	-	1100				
180	Psychoneuroses and Neuroses				-	-	N		100				1			
18	Psychopathic Personality				96		66	06	100	200	00		00	-		-
910	The Indianased		-		-	-	22			-				-		-
22	:hoses:															
	Α	00	-	00	10		10	61		63	7	*****	1	-	-	-
					17			***		****	****	-				1
	Δ	16	16 1	701	79	16	98	6	1	6	61	1 1	67	-	1 1	-
				10	000		00	63		63	1	-		***	****	-
			-5.	1	1	1	1	1	1	1	13	1	18	18	1	18
	Total	698	70 9	939	364	65	429	416	0	421	99	-	99	52		23

	AL PSYCHOSE
	PRINCIP.
	BY
FABLE No. 11	ADMISSIONS,
-	FIRST
	BY
	ALCOHOL
	OF
	USE

USE OF A	ALCOHOL BY	LB	Y FIRST		ADMISSIO	NS, BY		PRINCIPAI	L PSY	CHOSES					
		Total		Al	Abstinent			Temperate	rate	I	ntemperate	rate	Un	Unascertained	ined
Psychoses	M.	Di,	H.	M.	E.	T.	M.	H	T.	M.	H	T.	M.	E.	-
		****	-		-			-	-	-	1	-	***************************************		
42		-	30	10	1	11	13	-	13	60		00	00		
			27	60		00	17		17	4		4	000		
			33	00		00	20		20	4		4	-	****	
			23	1		-	-		-				•		•
	2	-	00	-	-	5	-		1						
									•				****	1000	
With other Brain Diseases	9	-	7	-		-	N.S	1	9					-	
Alcoholic			**							4		4			
Due to Drugs	-		-				-		-			,			
With Pellagra							*		•		-	4111	****	-	
With other Somatic Diseases		-		0	-	V		1010			-	-	101	*****	1
-	43	10	200	0 0		10	90	10	30						-
Involutional Melancholia		200	00		-		-	-	200			,	*	-	
-		202	183	69	4	73	313	100	358	31		31	202	-	i.
	67	01	69	6	-	10	300		39	12		15	900	•	5
17. Epileptic Psychoses		-	36	11	00	14	15	03	18	1	1	2	0.00		
_		-	62	1	-	63			1			1 11			
			-							-		1			
		9	26	16	1	17	29	63	32	4	53	9	1		
		-	00				1	1	2	1		1			
Without Psychoses:															
A	00	;	00	4	, mark	4	44		4						
200			0010	****	2000		-		-	*****	111	1		*****	-
		-	21			1000	-			****	-	-	27.1	1000	17
4	6		107	60	10	69	77	4	31	-	04	03.	2	-	
The state of the s	0	-	0	7	1	7	N	1	7	1	-	-			
Total	869	100	020	200	24	981	118	30	5577	12	"	120	14	1-	1 %
* Order	000		000	200	10.75	ALT.	0.40	200	100	21	0	0.	-	4	

	PSYCHOSE
	PRINCIPAL
	BY
BLE No. 12	ADMISSIONS,
TA	FIRST
	OF
	CONDITION
	TARITAL

OF FIRST A	Total Singl	T. M F	1 30	7 27 19	22 19	of o	0 00	7 0 7	11 11 11	6 1 7 2 1	4 4 2	1 1	***************************************	3 1 4 2	3 10 53 13 2	1 2 3	3 20 483 366 4	7 2 69 35 1	9 7 36 23 5	1 1 2	1 1	0 6 56 47 4	2 1 3 2	2 8 8	 1 1 2 1 1	16 107 87 15	01	1 1 1
RINCIPAL P																												
SYCHOSES		. M. F. T.					-		*****		***************************************	1000 1000	****	***************************************	00		7	2 1				*****			 	. 1 1	anne more	1
	ivorced	M. F. T.		-		1000	-		*****					*****	1	1	1			1000			*****	-	 -	1 1		I
	Inascertain	M. F. T.	-	-		-			****	****	*****	1000	*****	*****	*****						****	****			 		*****	I

	PSYCHOSES
	PRINCIPAL
	BY
0. 13	YEAR,
SLE No.	THE
TAE	DURING
	PATIENTS
	OF
	INCREASE

		Transfer	F. T.		1 2	40	N	-	1	1 2	****	****			2 2					6 11	1 1				11 19		50 198
		g	M.	-	-	47.0	N	1		1				M	9	333	001	,		10	1				00	1	1 69
		ssion	H	1	10	1		-		1		1	1		11	NO	1.	-			****				1	***	1 00
		Re-Admission	H	******			1	1		1000	-	-	-		1 !	2000				1	1				-	1	-
	PRINCIPAL PSYCHOSES	Re	M.	-		-	-	7		1000	*****	-		-	1 1	10		-			4000					-	1
	PSY .	rion	T.	::	17	9+	7				1000	-		1 05		21	0	0 4		-	-	01		61	13	4	84
	CIPAI	First Admission	E.	***			-	1	1 1			-	1	-		4		-		*****	*****			1	4		12
	BY PRIN	First	M.	11	17	9-	-	-		1000		4000	6	a ac		17		4 00	1	1	1	00		1	6	4	72
63	YEAR, B		T.	100	139	11	2	-	٠.	01	-	-	. 00	200	201	77	10 1	. 77		12	63	01		01	553	4	220
TABLE No. 13	THE YE	Total	Ei,		-	-				1	-	-		10	201	22	110		-	9	1			1	16		72 2
LABLE				: 0		-0	2		1	1		-	: 6:	10			000		100	9	1	00					
	DURING		M.	:*		-						1	1.0	1	1 11	ıo	-	•	-						17	4	148
	INCREASE OF PATIENTS		Psychoses	Fraumatic	Carabral Astashandanale	Paralysis	With Cerebral Syphilis	tington's Chorea	With Brain Tumour	With other Brain Diseases	Periode		With other Somatic Diseases	Manic Depressive	-	renia	Faranoia and Paranoid Conditions	Psychoneuroses and Neuroses	athic Personality	With Mental Deficiency	December	windur rayciloses.					Total
				1. Traumati	. ~				7. With Bra						14. Involutio								B		MA		

TABLE No. 14
DECREASE OF PATIENTS DURING THE YEAR, BY PRINCIPAL PSYCHOSES

E Death M. F. M. F. T. Transfer Unimproved Discharged Improved Recovered Total M. F. Senile
Cerebral Arteriosclerosis
General Paralysis
With Cerebral Syphilis
With Huntington's Chorea
With Brain Tumour
With Other Brain Diseases
Alcoholic
Due to Drugs
With Pellagra
With Other Somatic Diseases
Mith Other Somatic Diseases
Myth other Separation
Manic Depressive
Involutional Melancholia
Schizophrenia
Schizophrenia and Paranoid Conditions
Epileptic Psychoses
Psychopathic Personality
With Mental Deficiency Psychoses Total Undiagnosed Without Psychoses: Traumatic MEDER

			TABLE	No. 15			
CAUSE OF DEATH, BY PRINCIP	AL PS	YCHOSES	WITH.	PRINCIPAL PSYCHOSES, WITH AGE AT DEATH AND DURATION OF HOSPITAL LIFE	HOSPITAL	LIFE	
		Total		AL	Age	Hospital Life	
Psychoses	M.	E.	H	Cause of Death Years	ars Years	Months	Days
Senile	13	1	13	atic Pneumonia	98	1	14
						1	175
				***************************************		7	14
				A second	72	-	7
				***************************************			17
				miaain	24	9	-
					0	1.	,
				pheumonia	200	-10	15
					7	20	97
				SIS			7
						4.	13
				y Occlusion			II
					4	10	10
. Cerebral Arteriosclerosis			01	Thrombosis		1	000
				y Occlusion	73 10	1	00 0
. General Paralysis	01		61		9 9	9	13
					4	53	14
. With other Somatic Diseases	1		1		00		14
Schizophrenia		1	10	Tuberculosis		9	1
				***************************************		11	
				/ Occlusion		00	16
				The state of the same of the s	2	10	4
				The same of the sa		10	1
				18 Bt	47	9	10
						-	16
				Tuberculosis	40	5.	20 :
				***************************************		40	10
			,	***************************************		200	200
Telebrated Deficiency				Miliary Pubarenilosis	52 54	n 40	13
Without Denchoses			•				
E E	.01		10	ilaii		1	21
				***************************************	00 1	4.	-
				anne		4.0	00
				Bronchopneumonia	26 3	0 00	14
Fe			1	Pneumonia		-	27
	1		1				
Total	35	1 1	36				

DEPARTMENT OF PUBLIC HEALTH

TABLE No. 16 RELIGION OF PATIENTS IN RESIDENCE

	Males	Females	Total	
Baptists	29	1	30	
Episcopalians	87	5	92	
Jews	9		9	
Presbyterians	86	6	92	
Roman Catholics	196	23	213	
United Church	322	29	251	
Other Denominations	63	20	65	
Unascertained	-00	_		
Total	869	70	939	

TABLE No. 17 OCCUPATION OF PATIENTS IN RESIDENCE

	maies	remaies	Torut
Part de marche de la constant de la	3		3
Professional	27	1	28
Commercial	274		274
Agricultural	214	****	614
Mechanics, Outdoor	17	4	21
Mechanics, Sedentary	39		39
Domestic Service	4	41	45
	5	1	6
Education	EO		58
Miners, Engineers, Carpenters, Painters	007	1011	227
Labourers	321	1010	361
No Occupation	91	23	114
Unascertained	24		24
Ollascer tailled			
Total	869	70	939

Provincial Training School, Red Deer, Alberta

(D. L. McCullough, B.A. (Sen. Mod.), M.B., D.P.H., D.P.M., Medical Superintendent)

CHANGES IN POPULATION

Numbers in Residence.—On the 1st of January there were 251 patients in residence, and on the 31st of December, 277—a net increase of only 26 patients despite a total of 50 admissions.

Admissions.—All of the 50 patients admitted were "voluntary". There were 46 first admissions. Only one was a re-admission (a sexually delinquent female, whose parents took her home against advice and were unable to control her). Three were admitted from Ponoka for various reasons.

Of the 50 admissions, 23 were of the crippled, bedridden or helpless-infant type. Only four were of the helpless, custodial, "low grade" type, who are such a problem for the parents in any home and a detriment, if not an actual physical menace, to younger brothers and sisters. These now form a majority of those awaiting admission. Additional buildings for this type are urgently needed. Only nine of the new admissions belonged to the "school group"—the most hopeful group—accommodation having occurred through promotion of older children to take the place of high grade patients going out to work. Of the new admissions, 14 were of the older, ambulant type, i.e., "full-time workers or helpers".

Only 15 of the 50 were between the ages of five and 9. This is the ideal age for admission from every standpoint, yet eight of these were idiots (mostly of the infirmary type), four imbeciles, and only three morons eventually capable of some school work. Of the 20 morons admitted, 12 ranged in age from 15 to 19, ages when wrong habits take longer to eradicate, and of these 12, three were epileptic and seven delinquent. Earlier admission would greatly improve the outlook for this group, both for the epilepsy and for discharge.

Discharges.—The discharge rate was again an exceptionally high one. Of the 15 patients (8 male, 7 female) parolled, two who were not mentally defective, were transferred to schools for the deaf, four were returned home (one subsequently re-admitted), and nine went out to work. At the end of the year all of the latter were adjusting well, though some trouble is anticipated in the case of two. Of this latter group, five had been in the Training School for periods ranging from 11 to 15 years.

Transfers. — Two of the three patients transferred went to Ponoka, one definitely psychotic and the other verging on the psychotic. The third, persistently delinquent and becoming dangerous to the staff, went to Oliver.

Deaths.—Three of the six deaths (Table IX appended) were of clinical interest. A trivial cold in one case led to sudden death.

Post-mortem examination showed very early broncho-pneumonia and a grossly enlarged thymus. Sudden death in a severely paralyzed and deformed boy with grossly hyper-extended head was apparently due to respiratory failure. In the other case, a paravertebral abscess of undetermined origin led to infection and softening of the spinal cord (myelitis and myelomalacia).

Types in Residence.—Table X (appended), dealing with some of the different types in residence, shows that the infirmary type now forms over 44.7% of the total population, as against 23.9% ten years ago. Accommodation for this type, which a few years ago dominated the waiting lists, is no longer an urgent problem, but such a large percentage of totally helpless, burdensome patients needing careful nursing to prevent bedsores, etc., necessitates a high ratio of staff to patients. Epileptics have increased from 37 to 46, and they now form 16.6% of the patients. Mongols have increased from 20 to 24, or 8.6% of the population. This raises the total percentage of these three groups, so unpromising as regards prospects for discharge, from 62.6% to 70%. It is worth noting that the 116 idiots in these groups greatly outnumber the 59 imbeciles and the 19 morons. The significance of this lies in the fact that idiots are never discharged, and imbeciles are only very, very rarely discharged. These patients are here for life.

Waiting Lists.—Table XI shows there are 252 names on the list of those awaiting admission, an increase of nine over last year, despite the 50 cases admitted to the Training School, some admissions elsewhere, and the removal of quite a few names through death and loss of contact.

Suspect List.—Table XII shows a further 57 names added to the mental defectives' suspect list, i.e., known to be mental defectives but application for admission not received, bringing the figure on this list to 392, an increase of 40 over last year's total.

Some idea of the prevalence of mental deficiency in the Province may be gained by adding to the 546 names on these two lists and the 277 patients in the Training School (a total of 823), all the "defectives without psychosis" in the various mental hospitals, and all the discharged defectives who have been through one or other of the institutions and are now at large. There still remains a great body of unreported and unascertained defectives who mangae to get along "somehow, or who, not being recognized as defectives, are being dealt with by other agencies and under other Acts, uneconomically, unconstructively. Not all of these need institutionalization, but all should be dealt with under The Mental Defectives Act and by one central responsible authority.

Eugenics Activities.—No cases were presented to the Eugenics Board or eugenically sterilized during the year. The total of sterilized patients in residence at the end of the year, including those sterilized before admission, was 55 (14 male, 41 female), or 19.8% of the total population.

HEALTH OF PATIENTS

Lack of a dentist was a serious handicap throughout the whole year. Otherwise the patients and the clinical records were well taken care of by Dr. E. Akhurst, who did excellent work and greatly relieved the pressure on the Medical Superintendent. There were 40 cases of chickenpox, six of mumps, six of scarlet fever, four of measles, and four of broncho-pneumonia, one of which ended

fatally. The occurrence of 50 to 60 cases of scabies on the older infirmary—many of them recurrent—greatly increased the work of the staff in that section. There was one case of fractured femur. Tonsils and adenoids were removed in six cases. One child was sent to Ponoka for double herniotomy. There were the usual complete physical examination of newly admitted patients (75), with urinalysis, blood counts, Wassermanns (112), innoculations against typhoid and diphtheria, dental extractions, minor surgery and medical ailments.

PATIENT ACTIVITIES

The usual healthful and recreational activities and entertainments with all the detailed organization involved, were fully maintained despite staff shortages and difficulties, and despite increased overcrowding when indoors.

There were 65 younger patients in attendance at the New Year's party in the gym during the afternoon, and 65 of the older, "full-time workers and helpers" went to the dance in the evening.

At the camp, 146 patients attended during June, July and August, as against 138 the previous year, benefitting by the outdoor life and enjoying the freedom from institutional routine for a week each. Many others, cripples, etc., went for the day.

In June, 48 of the girls from the 3:00 to 4:00 p.m. occupational classes had a special picnic.

On two occasions, groups of 15 high-grade patients attended the military and graduation exercises at the local R.C.A.S.C. Camp.

In August, 98 patients went to the Red Deer Fair, as against 81 the previous year, and were admitted to the fair and to the grand-stand without charge.

At Hallowe'en, 185 patients were crowded into the gym together with the necessary staff, as against 160 the previous year. But whereas a year ago the figures were 83 in the afternoon and 77 at night, this year they were 75 in the afternoon and 110 at night. This reflects not only the increasing age of the patients, but their urgent desire to be more "grown up" and looked on, not any longer as "children," but "persons" in their own right.

The same trend is reflected in the figures for the Christmas Concert put on by the various groups of patients—208 a year ago (109 in the afternoon and 99 plus visitors at night); 214 this year with 87 in the afternoon and 127 at night.

The seemingly impossible was achieved when 167 patients with all the requisite staff and a number of visitors were crowded into the gym for the Christmass Tree, as against 146 the previous year. Separate trees were held on the two infirmaries, and visited by "Santa" in person, as usual.

About 80 high-grade boys and girls had a very enjoyable party in the gym from 2:30 to 4:00 p.m. on Christmas day, following the Christmas dinner.

The average attendance at Sunday School remained steady at about 70 and 75 for church services.

At various times, 50 patients went home on holidays, as against 38 the previous year, and a mere trickle during the depression years.

An increasing number of the higher grades were taken to town, individually or in twos and threes, by various staff members in their off-duty time for the afternoon to see the stores or to a show and supper, and some for week-ends in the country. This is a very valuable contribution by the staff, the experience providing the patients with an incentive to a more grown-up attitude and desire to get out into life.

Picture shows were held in the gym weekly from January to May and September to December. With the new sound-track film, these were more popular than ever. The possibility of losing this treat, which solves many disciplinary problems and more than amply justifies the expenditure, is disheartening.

Physical training classes, one for boys and one for girls, were held again in the spring and fall, Miss Peggy Hannen, Physical Instructress under the Dominion Youth Training Plan, in charge.

Unfortunately, the annual Sports Day had to be abandoned, but full use was made all summer of the playground and ball-field and of the skating rinks in the winter. A few hockey matches were played against outside groups.

Once again we had to forego having the Extension Scouts, Guides, Brownies and Cubs, but from September on two of the high-grade girls attended a C.G.I.T. group in Red Deer under their own charge nurse, and took active parts in a couple of plays put on by the C.G.I.T. at Christmas.

The girls have completed their first year under a full-time Occupational Therapist. A steadily increasing number of learning to knit and crochet quite well. This is difficult work for most defectives. Several have learned to do hemstitching by hand. There were 15 or 18 infant and children's garments made for the Red Cross, and a number of woollen toys for our own infirmaries. The most valuable result, however, has been the very noticeable improvement in attitude and conduct in the three 3:00 to 4:00 p.m. classes, which average 50 to 55 girls daily, and in the three groups of highest grade girls (six in each group) who have attended the dressmaking classes from 4:00 to 5:00 p.m. No sales of work were held this year at the Training School, but a correspondingly better display was staged at the Red Deer Fair with greater interest and greater appreciation on the part of the public. Total sales for the year were average.

A new venture is under way in the boys' carpentry class. The previous group of older boys—now needed on the farm—was dropped in the fall, and a group of 15 or 16 school boys and other youngsters started instead. So far the results have been most encouraging. Enthusiasm is running high, and considering their age and limited experience, they are doing excellent work. Great praise is due to Mr. Markwick for his skill in handling this group. Though they work with him from 1:30 to 4:00 p.m. instead of going to school, school work has not suffered in any way, and the school girls have benefitted by the more individual attention the teacher can give them whilst the boys are absent.

Two of the farm boys worked out full-time on a threshing crew in the fall, preparatory to discharge, and several others helped odd days. One boy who works full-time with the carpenter worked out at various jobs during the summer, and also helped the building crew putting up the extension to the laundry and sewing room. Another boy has worked full-time all year with the painter and has been a real help. Another discharged girl was married during the year. A number of ex-patients visited the Training School, and many contacts were renewed at Christmas time.

Institutional Progress

New Construction.

A new roothouse and carpenter shop were built immediately to the east of the boys' outside lunch-room, approxmiately 25 feet by 50 feet in area. The roothouse, excellently designed, built of cement and well ventilated, exactly doubled our storage capacity, and most fortunately so, as we had an exceptional crop and could not possibly have stored it otherwise. The carpenter shop, splendidly lighted, bright and airy, is a great improvement on the old one, now handed over to the boiler room. It is hoped, however, that some day we may have a boys' occupational carpentry room, entirely separate from the regular carpenter's shop, so that the boys will have no excuse to be in the latter at any time, and for the greater convenience of both.

The laundry and sewing room unit was enlarged by an addition, 28 feet by 33 feet. The sewing room was moved to this new section, and the old sewing room given to the laundry. This, with some internal re-arrangement of walls and machinery, and the addition of a small office, has made a wonderful improvement in working conditions, especially in the ventilation, and greatly increased the efficiency of the laundry. Some additional machinery has still to be installed.

Maintenance and Improvements.

Repairs and maintenance were exceedingly heavy all year, but with the exception of the following were mostly of a routine nature.

The changes on the ground floor of the boys' cottage, mentioned in the previous Annual Report, were completed by the re-locating of a fire-hose hydrant and a hopper, installing and re-locating cupboards, etc., and much painting. Upstairs in the cottage, two toilets and a wash basin were moved across the corridor from the school children's toilet into what was the utility room, and the toilets partitioned off. A new toilet, a kitchen sink, shelves and an ironing board were installed in what had been the school children's toilet for the use of the school teachers and occupational therapist, who were otherwise without accommodation of any kind. Further work was done on the roof of this unit, cementing down loose rubberoid shingles, etc.; and a large piece of schoolroom ceiling which had fallen down was replaced and the rooms re-painted.

The verandahs in front of the main building were underpinned and ventilating holes cut. This whole structure needs rebuilding.

A complete new hardwood floor was laid in one room on the second, or girls' floor. Painting went on steadily all year, both inside and outside, and there was much plaster repairing. The pump and the septic tank at the farm dormitory kept giving trouble, off and on, and called for a lot of attention.

GROUNDS

The grounds were tastefully and attractively laid out, and attracted a constant stream of visitors in car and on foot, in spite of the fact that we had by far the least capable group of boys doing the simplest routine work that we have ever had. Apart from the flower beds, five acres of lawn had to be kept mowed by hand, 120

yards of willow hedges, 700 yards of spruce hedge, seven or eight feet high, 1,000 yards of carrigana and many trees had to be pruned, walks scuffled and weeding to be done. All this keeps a large number of boys of varying ages and mentalities occupied.

Vegetable Garden.

The season was a favourable one, and yields were highly satisfactory despite the loss through early and severe frost of 71/2 tons of turnips, beets and carrots which were being raised for the farm. Table 17a gives the comparative yields for the past three years. All time highs for the Training School were established for beans (1 ton), beets (4½ tons), cabbage (3¾ tons), carrots (18 tons), celery (900 lbs.), corn (34 ton), peas (114 tons), potatoes (over 63 tons), spinach (over a ton), and turnips (161/2 tons). Most other yields were well up to the three year average except rhubarb, where yield dropped heavily as the beds were ndeeded for building purposes. The vegetable crop as a whole (20 acres) totalled over 118½ tons, not counting the 7½ tons lost by early frost—an increase of 25 tons over the previous year. All this was hand picked by the boys, carried by them in 60-pound boxes, loaded onto wagons and again loaded into the roothouse bins. Add to this the cultivating and weeding done earlier in the season and the constant turning over and sorting out carried on in the bins all winter. Add further, that all this was accomplished with the least capable group of boys we have had, and it will be readily admitted that the results, even though the weather was good and we were free from pests, reflect the greatest credit on the gardener and his group of workers and helpers. At times it looked as if we would not be able to handle the crop. Three acres of decidedly poor garden soil were set aside for a football field and games, and sown to grass.

LAUNDRY AND SEWING ROOM

The work of these departments has steadily increased. Owing to the illness of the head laundress, total figures for the laundry were not available.

Table 16 shows a distinct diminution in number of new articles made, but a correspondingly large increase in number of article repaired—a definite wartime trend.

FARM OPERATIONS

These are summarized in Tables 17 (b) and (c). For the crops it was a good average year. The land is now much cleaner than when we took it over, and we have ample feed to carry the stock through winter. Fortunately we had completed threshing before the weather broke early in October, but the greenfeed had still to be stacked. We managed, however, to get it stacked and lost none through heating or rotting. We did lose, however, 7½ tons of turnips, etc., being grown by the gardener for the use of the farm.

Egg production took a decided jump, from 1,825 dozen to 3,084 dozen. For this gratifying result we are indebted to the advice of Mr. Traves, Poultry Commissioner, the services of Mr. Hutchinson and Mr. Roach, poultry inspectors, who examined our birds, culled out the diseased and unprofitable, advised regarding disinfestation, better sanitary construction and better ventilation of our henhouses, etc. Dressed poultry amounted to 345 lbs. We were not so fortunate with our turkeys, 275 lbs. as against 634 lbs. the previous year, as the boys in their impatience kept disturbing the setting hens and eggs.

Milk fell from 108,715 lbs. in 1941 to 97,800 lbs. This reflects the loss of two of our best cows through tuberculosis and eight others on account of Bang's disease. At the end of the year we had 15 cows milking, 10 dry, nine young and one bull. Three beef type steers, purchased the previous year, were killed and supplied 2,480 lbs. of beef to the kitchen.

Dressed pork, for our own institutional use, at 5,235 lbs. was down from 5,671 lbs. the previous year, but was of primer quality, as we killed the same number of hogs but at an earlier age. Killing and using only two a month, those killed last are bound to be overweight. A refrigerator, permitting us to kill and store as the hogs reach 180 lbs., would get over this difficulty.

There were 28 hogs sold. These graded 15/As, 2/Bs, 4/No. 2, 5/heavies, and two were stags—and realized \$799.45.

At the end of the year we had on hand four brood sows and 40 pigs in fattening pens.

STAFF CHANGES AND ACTIVITIES

There was an increase of one in the clerical staff, but no outstanding changes in the disposition of staff during the year. There were, however, frequent shortages and a very large turnover, which at times created quite a problem. With a total Public Health staff of 73, there were 77 new appointments, 69 resignations, one dismissal, and one leave of absence to join up. Amongst the 69 resignations were five (two nurses, the head cook, dining room supervisor and one attendant), to join His Majestys' forces. Quite a number resigned to get married.

In the spring, four nurses and one attendant completed their three year course of training. At the end of the year there were only two nurses and one attendant in the senior year, ten nurses and one attendant in the intermediate year, 18 nurses and three attendants in the junior year. Such a preponderance of juniors meant extra short courses of lectures during the summer holiday period, and a doubling of lectures all winter to the junior group. All lecture courses were given, although only one of the Red Deer doctors could lecture in the fall—Dr. Pearson of the Full-time Health Unit.

The health of the staff was satisfactory, on the whole, though there were two cases of severe sinusitis, one appendectomy, two tonsillectomies, three cases of scarlet fever, several cases of scabies, eight cases of acute tonsillitis (all in recently arrived staff in August and early September), a severe pulp infection of a thumb, a badly scalded foot, and a severely sprained ankle.

Though the monthly meetings of the C.S.A. of A. were held regularly, followed by several farewell parties, and there were several enjoyable picnics during the summer, the social activities of the staff were much below normal. This is due to lack of a suitable place for such activities far more than to any outside attractions—the only place available being the gym, a large bare room furnished with heavy benches, which carry mental associations of its constant, daily use by the low grade patients.

An excellent response was made to the Second and Third Victory Loans—75% of the staff purchasing bonds and many increasing their purchases of war saving certificates. Considering the number of newcomers and temporary staff in the lower wage bracket, the results were most commendable.

THANKS

Despite the war and the many difficulties directly and indirectly attributable to it, the year 1942 has been one of very definite growth and all-round progress. The greatest credit is due to the staff in all sections for their very loyal and uncomplaining service. It is not pretended that there have been no mistakes or deficiencies anywhere—there were indeed plenty of both—but they were mistakes of inexperience rather than of carelessness, indifference or lack of co-operation. The work of the general office, in particular, suffered quite a setback owing to frequent changes in staff, coupled with the greatly increased volume of work—War Loan drives, payroll deductions, excessive turnover in staff, handling of ration coupons, great increase in clinical records and correspondence due to so many new admissions, discharges, etc., and difficulties in securing supplies.

Nevertheless, during a particularly trying year, the staff as a whole has given excellent service, more especially the older and more experienced permanent nucleus, and this loyal service is gratefully acknowledged.

Thanks is also due to the doctors of Red Deer who, despite increasing demands on their time, lectured for us during the spring; to Dr. C. L. Pearson and his staff at the Full-time Health Unit for their help with the Guidance Clinics; to the Red Deer Fair Board for their generous treatment of the patients during the fair; to the Mayor and Commissioner for addressing the staff in connection with the Victory Loans, and to the charge nurses, Miss Holmes and Mr. Bloom, for their canvassing the staff individually; to the Red Deer Rotary Club for gifts for the Christmas tree, and a number of individuals for scrap books, reading material and used Christmas cards, etc., donated to the patients.

In conclusion, I would like to thank particularly Dr. M. R. Bow, Deputy Minister of Public Health, and Mr. W. D. Stacey, Superintendent of Buildings, for their ready help and advice at all times.

TABLE 1
MOVEMENT OF FEEBLE-MINDED POPULATION

Defectives on books of Institution at January	1942			Male	Female	Total
In the Provincial Training School, Red D	eer,	Alberta .		129	122	251
ADMISSIONS: 1. First Admissions, voluntary	Male 30	Female 16	Total 46			
2. Re-admissions		1	1			
3. Transfers	1	2	3			
Total number of admissions				31	19	50
Total number of defectives on the OUTGOING:		s during Female		160	141	301
2. Transfers 3. Deaths	5	2	3 6			
Total number of outgoing				14	10	24
Defectives on books of the Institu	tion a	t Dec. 31	, 1942	146	131	277

RESPONSIBILITY FOR MAINTENANCE OF PATIENTS IN RESIDENCE, AT DECEMBER 31, 1942

Wards of the Province of Alberta Wards of the Municipal Districts of Alberta Wards of the Department of Municipal Affairs of Alberta Private Cases in Residence Wards of Department of Pensions and Health, Ottawa Wards of the Dominion Government	In Residence 29 199 41 2 3 3	Percentage 10.469 71.841 14.802 .722 1.083 1.083
Total	277	

TABLE 3
MENTAL STATUS OF FIRST ADMISSIONS, RE-ADMISSIONS AND TRANSFERS

	Adn	First		Re-ac	imis	sions	Ti	ansi	fers	7	Cotal	s
Mental Status	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Idiot	12 8	8	20		1010	****		1	1	12	8	20
Moron	10	7	17	1111	1	1	1	1	2	11	9	20
Totals	30	16	46		1	1	1	2	3	31	19	50

TABLE 4

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

		Patients		Mal	e Patient	s	Fem	ale Pati	ents
Nativity	Male	Female	Total	Fathers	Mothers	Total	Fathers	Mother	s Total
Alberta	29	15	44	4	9	13	3	6	9
Other Provinces	2	3	5	13	8	21	4	4	8
England			****	2	4	6	4	1	5
Scotland	4000	1111			2	2		440	
Wales	4010	4000		1	****	1			****
United States	4000	4444	- 01111	5	4	9	3	2	5
Norway		****	4111	100	1 0	1			2000
Russia	4000	****	10.00	1	2	3		****	
Poland	****	1444	****	1	****	1	1	1	2
Hungary	****	4000		***		****	. 1	1	-
Ukrania		****	****	1		2		2111	3515
Czech-Slovakia	1101	****	10.00	1		1		1	1
Holland	****	1000	1111	1		1	9	3	Ĝ
Unascertained	****	4111		1		-	0	-	_
Totals	31	18	49	31	31	62	19	19	38

TABLE 5a

AGE OF ADMISSIONS CLASSIFIED WITH REFERENCE TO MENTAL STATUS

			Idio	t	In	ibec	ile	1	More	n	T	otals	3
F	Age Group	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
0- 4		1	2	3	1		1				2	2	4
5- 9		5	3	8	4		4	.1	2	3	10	5	15
10-14		3	1	4		1	1	4	1	5	7	3	10
15-19		2	1	3	2		2	6	6	12	10	7	17
20_24		2000	1	1	1	1	2	4411		1-1-	1	2	3
25-29	***************************************	1		1	1000			++	1111		1		1
		-	-	Best	-	-	-	_	-	_	-		-
	Totals	12	8	20	8	2	10	11	9	20	31	19	50

TABLE 5b

AGE OF TOTAL POPULATION CLASSIFIED WITH REFERENCE TO MENTAL STATUS

		Idio	t	Im	bec	ile	7	More	n	T	otal	s
Age Group	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
0- 4	1	3	4	2	1	3	1		1	4	4	8
5- 9	7	5	12	9	1	10	2	3	5	18	9	27
10-14	11	6	17	8	9	17	9	5	14	28	20	48
15-19	12	5	17	17	8	25	14	20	34	43	33	76
20-24	3	6	9	18	5	23	8	8	16	29	19	48
25-29	10	8	18	3	8	11	1	3	4	14	19	33
30-34	3	6	9	2	8	10	2	1	3	1	15	22
35-39	1	3	4	2	5	7		****	4	3	8	11
40-49	****	1	1	1	1	2	40.00	1	1	1	9	-12
			0.1		10	100	97	41	70	147	120	277
Totals	48	43	91	62	46	108	01	41	10	1.44	100	211

TABLE 6

ENVIRONMENT OF ADMISSIONS

		Idiot			III	Dec	ne.	MOTOR		
		M.	F.	T.	M.	F.	T.	M.	F.	T.
Rural		6	5			2		6	5 4	11
		6	3	9	2		2	5	4	9
		-	-	-	_	-	-	-	-	-
	Totals	12	8	20	8	2	10	11	9	20

TABLE 7 RELIGION OF ADMISSIONS

	I	diot		Im	bec	ile	1	Moro	n
Denominations	M.	F.	T.	M.	F.	T.	_ M.	F.	T.
United Church	1	1	2	1	1	2	3	1	4
Church of England	1	-0.00	1	1		1	2	3	5
Roman Catholic	5	3	8	1	1	2	1	2	3
Presbyterian		rare	****	1		1	1	****	1
Lutheran	1		1	2		2	1	1	2
Penticostal	1		1	6111	****	4000	****		
Church of Christ	****	3	3	1111		1111	1		1
Gospel Mission Greek Catholic		1	1		****	1000	****	****	
Upageertained	1 2	3010	7	2	1111		9		4
Onascertained	~ ~		die .	6		6	- 6	60	4

TABLE 8

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

	1	diot		In	bec	ile	N	Ioro	n
Economic Condition	M.	F.	T.	M.	F.	T.	M.	F.	T.
Comfortable	****		1000	****	****				
Marginal	8	6	14	3	2	5	6	6	12
Dependent	4	2	6	5	****	5	5	3	8
	-	-	-	_	-	-	-	-	-
Totals	12	8	20	8	2	10	11	9	20

TABLE 9

OUTGOING PATIENTS CLASSIFIED WITH REFERENCE TO MENTAL STATUS AND CHRONOLOGICAL AGE

A-PAROLES

	Imbecile	Moron	Dull	Borderline	Backward	Years in
Age Group	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	Residence
5- 9	1010 1010 1011				1 1	0/8
					1 1	0/9
15-19	**** ****	1 1				1/3
		1 1		**** **** ****	**** **** ****	1/2
	**** **** ****	1 1		Free 100 1 20		4/3 4/11
	1 1	1 1		1111 1111 1111	**** **** ****	5/3
	1 1	100 100 100	1 1	**** **** ****	***** **** ****	5/7
20-24	**** ****	101 101 101		1 1		3/8
20-24			**** **** ****	1 1		10/7
		1 1	1000 1011 1000			11/11
				1 1		11/13
	**** 1111 1111	1 1	**** **** ****			13/5
	1 1	**** ****		***************************************	**** **** ****	14/7
	**** ****	**** **** ****		1 1		9/9-99/0
		B-TRA	NSFERS			
20-24		1 1				9/1
25 20	1 1	1011 1011 1011			**** **** ****	18/5
35-39	1 1	FIRST COST ADDA	1010 1001 1001	2007 100 AGA	**** **** ****	17/7-45/1

C-DEATHS

		Idiot		Imbecile			Years in	
Cause	Age	M.	F.	T.	M.	F.	T.	Residence
Acute Intestinal Obstruction Hydrocephalus, Chronic Brain	30/6	1		1		****		18/6
Atrophy	3/1	1		1	****			0/2
Bronchopneumonia Para_Vertebral abscess, acute; in- fection and softening of spinal	3/1 13/9	1	****	1			****	0/2 5/9
cord Sudden Death:	19/6	****			1		1	8/1
Respiratory Failure	20/3				1		1	0/8
Status Thymico-Lymphaticus	14/6		1	1	****			0/1/2-33/21/2

TABLE 10

SOME OF THE TYPES IN RESIDENCE

		Idio	t	Imi	bec	ile	Mo	ro	n	T	'ota	1	
Classification	M.	F.	T.	M.	F.	T.	M. 1	F.	T.	M.	F.	T.	Percentage
Infirmary Type:													
(a) Physically helpless	16	17	33	9	6	15	1		1	26	23	49	17.7
(b) Mentally helpless	29	24	53	15	5	20	2		2	46	29	75	27.0
M.D. and Epileptic	11	13	24		4	9	6	7	13	22	24	46	
M.D. and Psychopathic	1000	1000	2111	2	1	3	****	2	2	2	3	5	1.80
M.D. and Psychotic		1	1	****	1	1		1	1	1414	3	3	1.0
Mongols and Mongoloid	4	2	6	9	6	15	2	1	3	15	9	24	8.6
	-	-	-/	-	-	-			-	-	-	-	
Totals	60	57	117	40	23	63	11	11	22	111	91	202	72.7

TABLE 11 APPLICATIONS AWAITING ADMISSION

		Male	Female	e Total		Male	e Femal	le Total
1926 to 1934 1935 1936	ons dated: 1933	4 6 13 8 15	12 9 11 10 5		ations dated:	12 21 16 21	20 12 15 19	32 33 31 40
1029		13	10	23		129	123	252

TABLE 12

KNOWN DEFECTIVES

	Male	Female	Tota	ıl	Male :	Femal	e Total
Reported 1929 to 1933 Reported during:	68	53	134	Reported during: 1939	. 18	17	35
1934	4	11	19	1940	. 16	13	29
1935	10	7	18	1941	. 14	12	26
1936	18	5	23	1942	. 29	21	57
1937	19	14	33		-	-	-
1938	16	16	33		212	169	392

TABLE 13

EUGENICS SUMMARY

ECCENTED DOMINITE			
A TRAINING COURSE CASES.	Male	Female	Total
A.—TRAINING SCHOOL CASES:	51	63	114
Presented and approved—P.T.S. Presented and approved—Out-patients	1	1	2
Trestited and approved out patients	_	_	-
Totals	52	64	116
Operations	45	61	106
Operations Paroled, Transferred, etc.	36	43	79
In Residence	9	18	27
B.—STERILIZED BEFORE ADMISSION	6	43	49 21
Paroled, Transferred, etc.	1	20	21
	-	23	28
In Residence	51	104	155
C.—TOTAL OF STERILIZED CASES Total of Paroled, Transferred, etc.	5 51 37	63	100
Total of Parotea, Transferrea, etc.	_		_
In Residence	14	41	55

D.—PERCENTAGE OF POPULATION-19.8%.

TABLE 14

STAFF-DECEMBER 31, 1942

Male	Female Total	Ma	le Female	Total
Medical Superintendent 1 Medical Assistant Social Workers, Voluntary	1 1 Ma	Farmers strons Asst. Matrons and Sur-		1 1
Dentists Teachers, Grade Occupational Therapist Bursars 1	1 1 F	gery Nurses Night Supervisors P.T.S.—Graduate Nurses P.T.S.—Student Nurses		1 5 33
Stenographers 1 Clerks 1 Kitchen Staff	3 3 F 1 V 4 4 Bot	Farm Dormitory Ward Maids iler Room Staff, D.P.W.	1 1 5	5 6
Dining Room Staff Laundry Staff Sewing Room Staff Gardeners 1		dintenance Staff, D.P.W ght Watchman, D.P.W	1 23 59	1 82

TABLE 15

		7F 19			
SEWING ROOM—SUMMARY	OF ART	FICLES MADE ANI	REPAI	RED, 19	42
	uantity				Quantity
Aprons, white, gingham and burlar		Mangle Cloths			
Blouses		Night Gowns			
Bibs Bath Mats	133	Napkins Coope			14
Bloomers	265	Pillow Cases Pillow Covers		86	
Bed Pan Covers	24	Rompers		. 62	
Bed Jackets	180	Sleeves, canvas			41
Brassieres	64	Slips			
Bags, Laundry		Shorts			44
Coats, Attendant	. 5	Serviettes			20
Coats, Barber	2	Sheets			184
Coveralls Chemise	30	Suits, canvas			. 2
Curtains	37	Table Cloths, pati Towels, Huck	ent		27
Dresses	407	Towels, Tea			237
Dresser Scarfs	. 89	Uniforms, Staff			219
Dressing Covers	. 33	Caps, staff	**************		. 58
Dish Clothes	17	Uniform, dining r	oom		. 5
Drapes		Miscellaneous			. 133
Face Cloths	138				
Garter Waists	. 10	Total number of			
Kneelers	98	factured Total number of a	etiolog vo	mained	3,623
	90				
Manufactured		1937 1938	1939	1940	1941
Manufactured Repaired		3.725 4.006	3,764	4.794	5,705
are painted		56,491 57,569	53,399	57,531	58,255
	TABL	E 16			
	LAUN				
	LINON	1937 1938	1020	1040	1041
Articles Laundered			1939 351,923	1940 335,244	1941 398,846
		300,001 302,222	001,020	555,244	550,546
	TABLE	E 17a			
GARDEN PRODUC		HOME CONSUMP	TION .		
Product					10/0
Beans	The	1940	1941		1942
Beets		1,775 7,000	1,369		2,007
Cabbage		4.000	4,500 6,150		9,000 7,500
Carrots	lbs.	28,000	11.000		36.000
Cauliflowers	Ibs.	1,620	1.287		1,370
Celery	lbs.	800	885		900
Corn	Ibs.	800	1,017		1.455
Cucumbers		180	212		200
LettuceOnions		1,765	925		1,655
Parsnips		1,600 11,000	545 6.200		1,000 8,000
Peas, green		2.029	1.753		2.475
Potatoes		120,000	125,000	15	26.350
Radish	lbs.	600	365		425
Rhubarb	lbs.	2,415	2,730		1,540
Spinach	lbs.	1.275	1,050		2.225
Swiss Chard	Ibs.	2,225	1.455		1.655
Comatoes		350	235		300
Furnips Vegetable Marrow	lbs.	23,000	22,500		33,000
regetable Marrow	IDS.	500	550		
	TABLE	E 17b			
FARM PRODUCE		HOME CONSUMPT	ION		
Product		1940	1941		1942
Barley	bus.	755	350		330
Beef	lbs.	100	330		2.480
Eggs	doz.	1.440	1,825		3,084
Greenfeed b	undles	12,000	17,283	1	18,500
Hay	tons	10	7		30
Milk	lbs.	75,202.7	108,715.8	9	7,800.6
Oats	bus.	2,310	3,211		3,675
Pork, dressed	IDS.	5,103	5,671		5,235
Poultry (turkey)	lbe.	197	634.5		275
Wheat	bus.	197 263	194		345 900
	TABLE				
	ACREA				
Barley	10	Summer Fallow			55
Greenfeed	55	Potatoes			9
Hay Oats	30 55	Vegetables			4
Wild Land	265	Camp and Barns			
Pasture, wild	10	Gardens and Lawn			14 10
Pasture, tame	70	THE PARTY IN THE PARTY II			10

Division of Tuberculosis Control

(A. H. Baker, B.A., M.D., Medical Superintendent and Director of Division of Tuberculosis Control)

War-time conditions have imposed limitations, and have required adjustments, but the essential services have been maintained. The requirements of the military forces and the war industries have made inroads on the staff, so that difficulty has been experienced in maintaining a sanatorium staff of experienced people.

In 1941, there was an increase in tuberculosis deaths, but in 1942 a marked reduction was noted, about 18% in reported deaths. This improvement occurred both among the white population and also among those of Indian origin.

	White Deaths	Indian and Metis Deaths
1933	203	171
1934	180	140
1935	177	136
1936	194	189
1937	174	160
1938	143	133
1939	121	162
1940	145	176
1941	170	159
1942	142	129

The death rate per 100,000 of population has fallen from 41.6 to 33.4. This suggests that preventive measures are producing results.

Plans for an Edmonton Sanatorium.

The announcement by the Provincial Government that it was prepared to build a three hundred bed Sanatorium in Edmonton, and that the funds had been set aside for this purpose, was most welcome. In November, the Superintendent of Buildings, Mr. W. D. Stacey, and the Director of the Division of Tuberculosis Control visited a number of sanatoria in Saskatchewan, Manitoba, Ontario and Quebec. All of these institutions very kindly afforded ample opportunity to see their buildings and equipment, and much useful information was procured. Plans are being drawn for the new sanatorium, and it is hoped that provided the necessary permission can be procured for building, that the construction will get under way shortly.

The same need for beds which has been pointed out from year to year, still exists. It is especially urgent now with the men and women returning from the armed forces. These, together with those found to be needing treatment and rejected for enlistment, increase the number of those seeking help in sanatorium beds.

SOURCES OF DISCOVERY OF NEW CASES OF TUBERCULOSIS

	1941	%	1942	%
Clinics	305	54.3	355	58.4
Referred for Sanatorium treatment by				
Physicians	77	13.6	113	18.6
School Surveys	****		2	.3
Mental Hospital Surveys	2	.3	12	2.0
Indian Surveys	71	12.4	19	3.1
Referred by D.P.N.H. as result of military				
examination	73	13.0	74	12.2
Provincial Laboratory	23	4.1	19	3.1
Provincial Board of Health			2	.3
Other Sources	13	2.3	12	1.9
Other boulets minimum	10	2.0		2.0
	564		608	
	47174		uvo	

CLASSIFICATION OF 608 NEW CASES OF TUBERCULOSIS

Active Pulmonary Tuberculosis	363	59.7%
Inactive Pulmonary Tuberculosis	209	34.4%
Non Pulmonary Tuberculosis	36	5.9%

CLASSIFICATION OF 572 NEW CASES OF ACTIVE AND INACTIVE PULMONARY TUBERCULOSIS

Minimal	209	36.5%
Moderately advanced	178	31.1%
Far advanced	119	20.8%
Childhood Tuberculosis	50	8.7%
Tuberculous Pleurisy with Effusion	15	2.6%
Tuberculous Pleurisy without Effusion	1	.1%

The number of cases advised sanatorium treatment was 320; 88.4% of these, or 283, were admitted.

Deaths in Sanatoria and Hospitals.

Excluding Treaty Indians, there were 159 deaths in Alberta last year. Of these, 121, or 76%, occurred in sanatoria or hospitals; 30, or 18%, of the others had had sanatorium treatment. The hospitalization or segregation of terminal cases undoubtedly reduces materially the spread of disease to other members of the family. The fact that only eight people, exclusive of Indians, died last year of tuberculosis, and had never had sanatorium or hospital treatment for the same, shows that facilities are being provided, although in in some instances too late.

Services Rendered to Other Than Sanatorium Patients.

Distribution of Tuberculin.—Tuberculin, both for the Mantoux and the Patch tests, is being sent free to hospitals and physicians who request the same. There is a regular mailing list.

Laboratory Services.—The Sanatorium Clinical Laboratory has an increasing volume of material sent in for examination by hospitals and physicians. Last year, the following work was carried out for non-sanatorium patients:

Sputum examinations	483
Urinalyses	15
Blood counts	30
Pleural fluids	8
Guinea pig inoculations	29

Interpretation of X-Ray Films.—There were 1,459 X-ray films referred from hospitals for interpretation by the members of this division.

All this work was given without cost.

Diagnostic Clinics and Surveys.

The Diagnostic Clinics, both stationery and travelling, in this Province, are conducted by the medical staff of the division. The following tables give details of the work carried out at clinics:

CLINIC REPORT

Wass						T.B.			
Place STATIONARY CLINICS:	No. of Clinics	Active	Inactive	Active	Inactive	New Exams	Review Exams	Total	
Bonnyville	2	1	2			46	13	59	
Calgary Camrose		11	17	1		174 58	105	279 88	
Camrose Central Alberta Sanatorium	52	26	40	1	2	418	540	958	
Drumheller	11	87	72	8	2 5	78 999	133 681	211 1680	
Edmonton Hanna		01	1		9	28	24	52	
Lamont	2	1	2			52	25	77	
Lethbridge Medicine Hat	6	4	10	1	100	108	127 80	235 116	
Red Deer	6	3	8	****		44	79	123	
Stettler St. Paul	6 2	2	2 2	****	4111	40 20	33	73 26	
Vegreville	4		2		****	31	12	43	
	378	143	166	11	9	2132	1888	4020	
TRAVELLING CLINIC:		-		-	-	-	-	_	
Athabasca	1			10.00		7	3	10	
Bellevue	1		4414	****		1 4	10	14	
Blairmore Claresholm	1	****	1	1000		13	12	25	
Coleman	1		****			2	3	5	
Eckville Edson	1	1	1	****		13	20 12	26 25	
Elk Point	1					14	4	18	
Grande Prairie	1	1 2	1	1000	****	40 54	3 24	43 78	
Hardisty	î	1	1000		****	6	3	9	
High Prairie			1			7 9	3 24	10	
High RiverIslay	î	4411		****		5	6	11	
Jasper	1	3	2	1111		14 37	13	15 50	
Lac La Biche Lloydminster	1		-	1010	area.	3	1100	3	
Mannville	1	1	1	****	****	13	3	10 16	
Mundare Myrnam	1		1111			26	6	32	
McLennan	1		1	****		5	12	17	
Macleod Peace River	1	1	2	1000		16 22	8	24 33	
Pincher Creek	1	1111				10	14	24	
Provost Radway	1	2		1111	****	17 5	9	26 5	
Smoky Lake	1	3	****	****		6	4	10	
Spirit River Vermilion	1			***	****	10	3	13	
Viking	1					7	1	8	
Vilna	1	2111	****		****	9 5	17	26 9	
Vulcan Wainwright	1	****				18	7.		
	33	16	10	_	-	412	244	656	
	-	-	-	_	_	-	_		
SCHOOL SURVEYS: Edmonton Normal		sted	Posi	erculin tive	X-	No. rayed 98		New	
Calgary Normal Medicine Hat (Kinsmen Club Survey) Drumheller (Kinsmen Club Survey)	22 166	9 2	12	0		18 99 25		2	
Rosedale (Kinsmen Club Survey)	6		-	4		21		****	
Edgerton	-	-	-	-	-			-	
	279	7	28	37		61		2	

		No. cayed		New	Cases				
						non-		-Pul- nary	
INDIAN SCHOOL SURVEYS:	School	Out of School Indians	Active	Inactive	Active	Inactive	Total No. of Exams.		
Blackfoot Reserve, Gleichen (2 schools) Blood Reserve, Cardston (2 schools) Blue Quill Reserve, St. Paul	175 236 104	26 16 2	1 2	****	****		201 252 106		
Ermineskin School, Hobbema Agency Edmonton Residential School	151 115	5	3	5	1000	****	156 115		
Peigan Reserve, Borcket (2 schools) Stoney Reserve, Morley Youvillel School, St. Albert	100 102 88		5	1		1	100 102 88		
	1071	49	12	6		1	1120		

CLINIC REPORT-Continued

			New Ca	ises
PONOKA MENTAL HOSPITAL:	No. X-rayed	Pul. Active	Pul. Inactive	Non- Pulmonary
Patients Staff	OFO	6 2	2 2	
	-	-	-	-
	448	8	4	****
		Minne	-	-

SUMMARY-CLINICS AND SURVEYS

			New Cases	T.B. F	ound	
	No. Clinics	Puln Active	ionary Inactive	Non-P Active	ulmonary Inactive	Total Exam. & Surveyed
Stationary	378	143	166	11	9	4020
Travelling	33	16	10	2000	****	656
School Surveys	7	****	2	1000		2797
Indian Surveys	8	12	6	1000	1	1120
Mental Hospital Staff, Central Alberta	1	8	4	****		448
Sanatorium		****	2	****	****	236
	-		-	-	-	-
	427	179	190	11	10	9277
	-	-	-	-	-	annual .

This year, the travelling diagnosticians examined 656 people. Sixteen new cases of active pulmonary tuberculosis were found, and ten inactive.

Obviously this Travelling Clinic service is limited, and to help fill in the gap, from time to time hospitals are asked to X-ray contacts and suspect cases, who might otherwise wait months before a clinic would visit the district. An earnest effort is made to examine, or at least to X-ray, contacts of all known cases of tuberculosis in the Province, as frequently as seems indicated, in an effort to discover disease as early as possible. It is the work of the Central Registry to trace all cases of tuberculosis and their contacts throughout the twelve months of every year.

Surveys of 788 Normal students were carried out. In Drumheller, Rosedale, Medicine Hat and Egerton local agencies carried out surveys on 2,009 people. All who reacted to tuberculin were X-rayed and the films were read by the physicians of this division, who also examined any people requiring further investigation.

Of 2,544 new, full clinic examinations, 1,024, or 40%, were contacts. The new cases of tuberculosis in this group were as follows:

	Pulmonary Tuberculosis	Non-Pulmonary Tuberculosis
Active	135 142	11 9
	-	_
	247	20

One new case diagnosed for every 8.5 new clinic examinations. Fifty-five new cases were found among those examined more than once.

Throughout the year, 9,277 persons received diagnostic services from this division.

Out-Patient Pneumothorax Clinics.

Throughout the year, 154 ex-patients were given pneumothorax treatment. The number of treatments given were 2,476. These were carried out in Edmonton, Calgary, Lacombe, Innisfail, Lethbridge, Medicine Hat; and Drumheller. In most of these instances the patient is carrying on with a comparatively normal life, and is economically independent, and at the same time is continuing his recovery from tuberculosis.

Voluntary Agencies.

The Alberta Tuberculosis Association has made further contribution to our work. Christmas Seal sales have contributed revenues which the Association has utilized to foster diagnosis and to extend work in rehabilitation. Through its agency, patients and ex-patients have been taught to become economically independent, and are being assisted in finding suitable employment. Great credit is due this organization for the splendid assistance it is giving handicapped people in their effort to re-establish themselves in our communities.

Few people realize just how much preventive work is being carried on in various communities by local organizations such as the Nursing Mission in Lethbridge, the various health departments in the cities, by health officers and their staffs in the Health Units, as well as by the District Nurses of the Department of Health. The hearty support of the medical profession has again been in evidence, and the amount of tuberculin sent out for use in diagnosis and the number of X-ray films referred to the division for interpretation, are some evidence of the co-operation received from those entrusted with the health of the people.

Work Among Indians.

It was not possible to give a physical examination to all pupils. Eleven schools were given surveys, 1,071 were X-rayed, and 19 new cases of tuberculosis were diagnosed. The active cases were removed from the schools, and most of these entered sanatoria.

It is gratifying to note that there was a decrease in Indian deaths in 1942, although it must be again pointed out that the problem of tuberculosis among the Indians of Alberta has not yet received adequate attention. There is no sanatorium for Indians, and the beds available in the Provincial sanatoria are entirely too few, and not suitably placed, to serve satisfactorily these people. Surveys are needed to determine just how many residents of the Reserves are suffering from this disease before any solution to the treatment question can be arrived at.

Institutional Treatment.

Those treated numbered 794. Of these, 384 were treated at Calgary and 410 in Edmonton. The total patient days numbered 146,320.

Average duration of sanatorium treatment for those discharged was 337.7 days.

On January 1st, the number of patients referred by the Department of Pensions and National Health was 25. During the year, 54 were admitted, and on December 31st, 35 ex-soldiers were still in the sanatoria.

Of all admissions, 10% were from the Armed Forces.

In addition to providing treatment for 79 ex-soldiers, over 20 Indians were given sanatorium care for the Department of Indian Affairs.

Collapse Therapy.

Of the sanatorium patients, 31.5% received pneumothorax treatment, 2% had thoracoplastic operations, and 5.4% had phrenicopraxis carried out.

Nurses' Home.

Work was started on a new Nurses' Home at the Central Alberta Sanatorium. Accommodation is being provided for 35 nurses, and will meet an absolute need. It is gratifying to realize that at last suitable provision is being made for the nursing staff, which plays such an invaluable part in all treatment.

New X-Ray Equipment.

The old X-ray unit at the Central Alberta Sanaorium, which has been in use since 1919, was replaced by a new shock-proof installation. The modern apparatus, of greater capacity and efficiency, already has resulted in a satisfactory improvement in the quality of the work turned out by this very important department. Reference to the statistical section will reveal the volume of work accomplished.

Administration.

The figures in this section are those of the fiscal year ending March 31, 1943, whereas the figures given in the balance of the report are those of the calendar year 1942.

The gross per patient per diem cost at the Central Alberta Sanatorium was \$2.76, and the net cost \$2.25. A total of 405,431 meals were served at a food cost of 15.5 cents. The total expenditure for out-patient pneumothorax treatment was \$2,970.00. The cost of diagnostic clinic service, exclusive of salaries of physicians, was \$6,762.83.

The total operating expenditure for the Province for tuberculosis was \$416,454.80. Alberta expended about 51 cents per person for the control of tuberculosis for the year 1942-43.

DONATIONS AND ENTERTAINMENTS

DONATIONS—Canadian Red Cross Society, Gifts to Patients; the Canadian Legion (Women's Division), Gifts to Patients; Catholic Women's League, Gifts to Patients; Lakeside Social Workers, Gifts to Patients; Rotary Club, Gifts to Patients; Women's Liberal Club, Gifts to Patients; Children's Aid Society, Gifts to Children; Tan-is-uk Chapter, I.O.D.E., Gifts to Patients; Sisters of Ste. Famille, Gifts to Patients; No. 34 Service Training School, Cheque; Fort Brisebois Chapter, I.O.D.E., Gifts to Patients; Model Dairy, Magazine Subscriptions; Rotary Club, Magazine Subscriptions; Ontario Laundry, Chocolates and Cigarettes.

CONCERTS—Red Cross Society, Christmas Concert; Elks Band; Farquharson's Town Tonics; Elk's Concert Party.

TOURNAMENTS—Cribbage Tournament, Billiard Tournament, Croquet Tournament.

PICTURE SHOWS—Moving picture shows given twice a month. PARTIES—Garden Party, Hallowe'en Party, Whist Drives.

EDMONTON SANATORIA

(Dr. G. R. DAVIDSON)

The Tuberculosis Service for Northern Alberta has been operated under the same policy as in previous years. The number of designated beds in the Edmonton General Hospital, Royal Alexandra Hospital, and University of Alberta Hospital, has remained at 203. It is to be hoped that this more or less temporary arrangement for treatment beds will give way to a definite sanatorium entity as soon as world conditions will permit. The services accorded to the Tuberculosis Division by the various hospital authorities is gratefully acknowledged.

The Out-patient Diagnostic Clinics, both stationary and travelling, in spite of the exigencies of war, have been carried on. The number of cases examined is increasing from year to year.

Sincere thanks is extended to the Kinsmen Club of Edmonton, who have continued to supply the clinic and the City of Edmonton with the services of a very competent nurse.

The Alberta Tuberculosis Association has again increased their contribution to the educational side of treatment by the appointment of a school teacher. All subjects from the three R's to advanced bookkeeping are taught. This service is of inestimable value to the patients both while under treatment and with a view to their rehabilitation after discharge from hospital. It is very gratifying to report that those assisted with their rehabilitation are carrying on satisfactorily in their new endeavour, are self-supporting, and none have shown any indication of reactivation of their tuberculous lesions.

Very grateful thanks is extended through the Alberta Tuberculosis Association to the various Seal Sale Committees for the wonderful contribution to the educational side of sanatorium treatment.

Entertainments have been provided by several organizations throughout the year, and very much enjoyed by all. Our thanks is also extended to the donors of many books to our patients' library. A good library is of inestimable value to the patients and in the interests of public health.

Grateful recognition is due to the medical, nursing and clerical staffs for their devotion to duty, the efficient care extended to the patients, and their loyal co-operation at all times.

Acknowledgment is made of the assistance and advice given by the Hon. Minister of Health, Dr. W. W. Cross, and by Dr. M. R. Bow, Deputy Minister.

I wish also to express my sincere appreciation of the loyal and efficient services rendered by the staff in Calgary and Edmonton.

To the Superintendents and staffs of the Royal Alexandra Hospital, the General Hospital and the University Hospital, I express my thanks for the splendid care given to the patients in the respective hospitals.

	Central Alberta Sanatorium	Edmonton General Hospital	Royal Alexandra Hospital	University Hospital	Total
Patients under treatment Jan. 1, 1942	205 179 (7)	131 184 (6)	35 30 ()	18 12 (12)	389 405
Patients treated Patients discharged and died Patients transferred out	384 186 (2)	315 162 (18)	65 27 (3)	30 17 (2)	794 392
Patients remaining in Hospital Dec. 31, 1942.	203	141	35	23	402
Patient days	75,504	50,179	12,944	7,693	146,320

DIAGONSIS ON ADMISSION OF 405 PATIENTS WHO ENTERED SANATORIA IN 1942

A STATE OF COMPLETE AND SHOULD	Central Alberta Sanatorium	Edmonton Sanatoria
No Disease	. 4	4
Undiagnosed		2
Non-Tuberculous	. 13	15
Tuberculosis, Inactive Non-Pulmonary Tuberculosis	. 4	2
Tuberculous Pleurisy	. 8	1
Childhood Tuberculosis Pulmonary Tuberculosis:		1
Minimal	. 29	31
Moderately Advanced	. 43	94
Far Advanced	. 77	75
	179	226
Sputum positive on admission	. 104	109
Sputum negative on admission	. 75	117
	170	
	179	226

OPERATING ROOM REPORTS

PNEUMOTHORAX:	Central Alberta Sanatorium	Edmonton General Hospital	Royal Alexandra Hospital	University Hospital	Total
Under treatment Jan. 1, 1942 New cases during year Cases under treatment admitted and car-	122 45	69 44	15 8	1 3	207 100
Total number treated in year Cases discontinued during year	16 183 69	115 35	25 8	4 2	327 114
Cases under treatment Dec. 31, 1942	114	80	17	_2	114
Cases unsuccessfully attempted	4.768	2,607	262	36	7,673
Calcium Chloride Glucose and Saline Calcium Gluconate	247 153 38	. 181	2 258	4 14	428 161 319
SURGICAL CASES: Spinal Fusion Appendectomy Drainage of Abscess Excision of T.B. ganglion Biopsy of gland Removal of cyst Removal of tissue Phrenicopraxis (8 repeats) Pneumolysis Paracentesis (Eardrum)	1 2 2 1 1 1 1 43 13	3		1,	1 5 3 1 1 2 1 44 13 1
THORACOPLASTY: 1st Stage 2nd Stage 3rd Stage 4th Stage 5th Stage 6th Stage	16 14 8 9 1 1				16 14 8 9 1

OTHER TREATMENTS:	Central Alberta Sanatorium	Edmonton General Hospital	Royal Alexandra Hospital	University Hospital	Total
Aspiration of pleural space	540	118	7		665
Other aspirations Blood Transfusions	11 5	3	1	****	14 7
Spinal Puncture	3 2	3			6
Intrathecal Injection of Alcohol Injection of Intercostal Nerve	1				2
Monaldi Drainage Intracavitary Pressure Reading	6 3				6 3
Injection of Blood into Pleural Space Incision and Drainage of Sub-scapular	2				2
Space	1 3		****		1 3
Probing of Bronchial Sinuses	3		****		3
Vaginal Examination Laparotomy	****	1	100	1	1
Liver Injections			4		4
Neoarsphenamin Empyema Drainage	1	****		13	13
Plaster Cases	9		2		11
Plaster Shells Basal Metabolism	7 7	3	****		10 10
Bronschopic Examinations	2		1111	8775	2
Other treatments	2	25	9	12	48
LABORATORY Sputum examinations:	REPORTS	;			
Positive	1,110	768	216	148 147	2.242 3.748
Vegative Urine examinations	2,397 1,365	932 737	272	75	4,498
Blood Counts	420	204	90	12	726
Blood Sedimentations	712	707	125	42	1,586
Positive	3	8	00		11
Negative Pleural and Spinal Fluids	184 62	154 39	29	6	373 101
Guinea Pig Inoculation	134	50			184
Other examinations	75	102	-		177
	6,462	3,701	3,053	430	13,646
HELIOTHERAPY					
Number treatments	3,907	57 501	170	73	4.651
DENTAL RE	EPORT				
Patient examinations	134	166	25 25	20	345 308
Patient treatments Prophylactic treatments	123	160 20	8	****	36
Fillings	139	208	38		385
Extractions New dentures	92	64	12	1	169
Dentures repaired	1	1111			1
Dentures adjusted Bridges	4	1	1000		4
Diluges					
X-RAY RE	PORT				
Radiographs made:	0.404	F.4-	170	73	3.222
Thorax Spine	2,434	545 15	170	4	63
G. I. Tract	7				7
Kidney and Ureters Pyelogram	12	6			18 10
Hips	6	1			7
Sinuses	7 2	2 4			9 6
Shoulder	1	2	****		3
Bronchogram	11	2	****		13
Feet Elbow	1		****		1
Wrist	1				1
Hand Finger	2	****	1111	****	2
Ribs	2			****	2 18
Pelvis	15	3 18	2		27
Abdomen				1	1
Knee	****	1	1	1111	1 1
Mastoid	****	****		1000	2.414
					3,414

Fluoroscopic:	Central Alberta Sanatorium	Edmonton General Hospital	Royal Alexandra Hospital	University Hospital	Total
Gas Cases	4.641	3.546	236		8,423
G. I. Tract	3	12	3	3	31
Chest (Lipiodol)	11				11
Films referred for interpretation	959	500			8,465 1,459
Clinic Films made and interpreted:					
Stationary Clinics	1.884	1.562			3.446
Travelling Clinics	157	580			737
Normal Schools	15	98			113
Medicine Hat (Kinsmen)	59	****	****		59
Drumheller and Rosedale	26				26
Edgerton Indian Schools:	****	21	****	****	21
Blood Reserve	252		****		
Peigan Reserve	100	****		****	
Blackfoot Reserve	201	****	****	****	
Morley Reserve	102	3300	1434	*****	1,120
Hobbema Reserve	156	100	1000	*****	
Blue Quill Reserve	****	106	****	****	
Pd D Id H. J. C. L J.	1-77	88 115	****	****	
Edmonton Residential School		115	****	****	
					5,522

Total films interpreted, 10,395.

I.—CLASSIFICATION OF DISCHARGED PATIENTS:

		A		idence		On Discharge				
	No.	dmission.		s Over	A.	AA.	Q.	I.	U.	D.
I. No Disease	10		10			****				
II. Undiagnosed	3		2	1				1	****	4111
III. Non-Tuberculous	26		17	9				6	1	2
IV. Tuberculosis, Inactive	4	****	2	2	1111	-0.11		1	1	
	43	11.0	31	12				8	2	2
V. Childhood T.B.	2	.5		2			-	2	-	
VI. Adult Type T.B.: Pulmonary Clinical:										
Minimal	51)		7	44	2	2	-13	27		4000
Mod. Advanced	67)	33.6	13	54	3	3	9	36	1	2 4
Far Advanced	14)		1	13			1	6	2	4
Positive:										
Minimal	7)		1911	7		0010	3	3	1	
Mod. Advanced	73)	51.4	5	68			14	46	4	4
Far Advanced	121)		15	106			13	40	13	40
VII. T.B. Pleurisy	7	1.7	9	7	****	. 100	3	4		
VIII. Non-Pulmonary T.B	7	1.7	1	6	****	****		3	2	1
Total Tuberculosis	240	-		000	-	-	-	4.00		-
Total Tuberculosis	349	****	42	307	5	5	56	167	23	51
Total Treated	319				5	5	56	175	25	53
Total "Untreated"	73		2227	****	7	4	2	26	21	13
Grand Total	202	_			10	-		201		
Grand Total	392	****		2000	12	9	58	201	46	66
	_	-			-	-	-	-	-	-

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 393 PATIENTS DISCHARGED IN 1942:

	Central Alberta Sanatorium	Edmonton Sanatoria	Total
1. No Disease	- 4	6	10
2. Undiagnosed		3	3
3. Non-Tuberculous	15	11	26
4. Tuberculosis, Inactive	4		4
5. Childhood Tuberculosis	1	1	2
6. Tuberculosis, Pulmonary-Adult Type:			-
Minimal	30	98	58
Moderately Advanced	51	89	140
Far Advanced	69	66	125
7. Tuberculous Pleurisy	7	00	7
8. Non-Pulmonary Tuberculosis		9	7
or reon's dimondry subcreditors	3	-	
	100	206	202
	100	200	392

III.—CLASSIFICATION OF DISCHARGE OF 307 TREATED CASES OF TUBERCULOSIS:

TUBERCULOSIS:		0 7		
On Admission	Number		scharge Not Improved	Died
Tuberculous Pleurisy	. 7	7		
Childhood Type Non-Pulmonary Tuberculosis	6	2 3	2	1
Pulmonary T.B.—Adult Type:				
Minimal Moderately Advanced	122	50 111	5	6
Far Advanced		60	15	44
	307	233	23	51
		_	-	-
	CACEC.			
IV.—DIAGNOSIS OF NON-TUBERCULOUS				
		d Alberta torium	Edmonton Sanatoria	Total
Abscess of Lung		1	1	2
Adenitis Arthritis			1	1
Bronchitis		1	1	1 2 2 4 5 4 2 1
Bronchiectasis Bronchogenic Carcinoma		3	2	4
Debility (Post-penumonic and influenza)	4	1 2	5
Pneumonitis Pulmonary Fibrosis		2 2	-	2
Pulmonary Sepsis		1		1
Scabies Scabies		1	1	î
		15	11	26
		_	-	_
V.—SEX:				
		al Alberta	Edmonton	motel
		atorium	Sanatoria 102	Total 218
Male Female		16 70	104	174
	-	86	206	392
	_	_		-
VI.—SOCIAL:				
VI. SOCIAL.		al Alberta	Edmonton	m-1-1
		atorium	Sanatoria 104	Total 190
Single Married		86 87	90	177
Widowed		8	6	14
Divorced or Separated	-		_	
	1	86	206	392
VII.—RELIGION:	Centr	al Alberta	Edmonton	
	San	atorium	Sanatoria	Total
Adventist		2	3	14
Baptist Bible Student	m a		1	1
Brethren	***	1 40	16	1 56
Church of England Church of Christ		2	100	2 3
Church of Scotland Confucian		1		1
Church of the Covenant	ai .	1	****	1 1
Congregational		1	****	î
Greek Catholic	***	5 3	15 16	20 19
Greek Orthodox Jewish		3	10	3
Latter Day Saints	107	3 17	17	34
Lutheran Methodist		5		5
Mennonite	1011	1	3	3
Moravian Nazarene		2		2
Presbyterian		14 2	15	29
Pentecostal Quaker			1	1
Roman Catholic		22	67	89
Salvation Army United	1111	35	48	83 12
Undenominational		10		-
	1	186	206	392
		3 30		

VIII.—AGE OF ADMISSION:

VIII NOD OT IDMIOOTOT.	Central Alberta Sanatorium	Edmonton Sanatoria	Total
From 1 to 9 years	101	4	- 4
From 10 to 14 years	3	15	18
From 15 to 19 years	17	23	40
From 20 to 29 years	74	74	148
From 30 to 39 years	48	47	95
From 40 to 49 years	16	13	29
From 50 to 59 years	20	18	38
From 60 to 69 years	6	10	16
From 70 to 79 years	2	2	4
	186	206	392
	100	200	260
IX.—OCCUPATIONS—MEN:			
	Central Alberta	Edmonton	
	Sanatorium	Sanatoria	Total
Assauntant	Dunitorium		
Accountant		1	1
Architect	1	1	2
Attendant (Hospital)		1	
Baker	2	*	1 2 1
Barber	-	1	1
Carpenter	2	î	3
Chauffeur	1 .		1
Cook	3	1	4
Clergyman	1	*****	1
Clerical Worker	3	5	8
Decorator		1	1
Dock Worker	1	****	1
Druggist	-19	2	2
Electrician	1	****	
Engineer	6	1	7
Farmer	22	34	56
Foreman	1	***	1
Janitor	1	1	2
Joiner Labourer	14	13	27
Lumberman	14	5	5
Machinist	2		2
Mechanic	5	5	10
Manager	3		
Miner	2		3 2 1 2 1
Meat Packer	1		1
Merchant	1	1	2
Meteorologist	1	mi ,	
Motorman	1	101	1
Painter	1 2		2
Physician Policeman	-	1	ī
Priest		î	î
Salesman:			
In Store	5	1	6
Outside	2		2
Secretary	2		2 2
Sectionman	2	1	3
Seaman	2		2
Service Station Operator		2011	1 1
Shoemaker	1	2111	1
Shipyard Worker	1	9444	1
Steel Worker	3 5	10	3 17
Student	1	12	
Surveyor	1	ï	î
Taxi Driver	1	*	î
Teacher	2		1 1 2 1 1 2 5 1 2 1 2 1 2 1 2 1 2
Telegrapher	ī	100	1
Teller		1	1
Trapper		2	2
Truck Driver	4	1	5
Timber Cruiser	1	4444	1
Warehouseman	2	1161	2
Welder	****	1	1
Unemployed	****	2	2
At Home	1	4	4
	116	102	218
	110	102	210
	2000		

V OCCUPATIONS WOMEN.			
X.—OCCUPATIONS—WOMEN:	Central Alberta	Edmonton	
	Sanatorium	Sanatoria	Total
Clerical Worker	2	3	5
Housework	36 6	52 4	88 10
Manicurist	1	Marie Company	1
Milliner		1	1 9
Nurse in Techning	6 2	3	2
Nurse-in-Training Physician	-	1	1
Radio Operator	1	9	1 2
Religious Saleslady	1	2	1
Stenographer	3	4	7
Student	5	13 2	18 2
Teacher Telephone Operator	1	-	1
Waitress	1	2	3
At Home	5	17	22
	70	104	174
	_	-	_
XI.—LENGTH O FRESIDENCE IN ALBERTA		Tidos en ton	
	Central Alberta Sanatorium	Edmonton Sanatoria	Total
Born in Alberta	62	120	182
Born in Alberta Alberta less than one year	31	1711	31
" one to five years	14	10	24 11
" six to nine years	8 17	22	39
" ten to fourteen years"	11	10	21
" twenty to thirty years	26	20 21	46 38
" over thirty years	17	21	
	186	206	392
	-	_	_
THE PLOTE OPICING			
XII.—RACIAL ORIGIN:	Central Alberta	Edmonton	
	Sanatorium	Sanatoria	Total
Austrian	1	2	3-
Chinese	3	1	4 3
Czech	3	3	6
Danish Dutch	4	1	5
English	55	27	82
Finnish	1 6	3 15	21
French German	8	10	18
Hungarian	2	1	3
Icelandic	22	15	37
IrishIndian	2	18	20
Italian	1	1	2 3
Jewish	3 1	****	ĭ
Lithuanian	3	27	30
Negro	10	1 9	22
Norwegian	13 8	9	17
Polish Roumanian	1	1	2
Russian	7	3 24	10 52
Scottish	28 6	6	12
Swedish Swiss	100	1	1
Ukrainian	5 .	22 2	5
Welsh	3		
	186	206	392
	-	-	7
DESCRIPTION OF DISCHARGED DATE	PNTS.		
XIII.—RESIDENCE OF DISCHARGED PATH			
CITIES:	Central Alberta	Edmonton	
	Sanatorium	Sanatoria	Total
Calgary	60	-	60
Drumheller	6	64	6 74
Edmonton	10	64	5
Lethbridge Medicine Hat	9		9
Red Deer	1	4444	1
	91	64	155
	-	-	-

TOWNS AND VILLAGES:

	Central Alberta Sanatorium	Edmonton Sanatoria	Total
Bawlf	****	1	1
Black Diamond	1	****	1
Brooks Bruderheim		1	î
Camrose	411	1	1
Chauvin		1	1
Derwent	100	3	3
dgerton	****	1	1
airview		1	1
alher		3	3
ort Saskatchewan	****	2	2
Frande Prairie		î	1
IalkirkIigh River	1	-	î
lolden		1	1
lughenden		1	1
nnisfail	1		6
ac La Biche	100	6	1
acombe	4444	1	î
amont egal	****	2	2
egal Iannville	****	1	1
forinville		1	1
lundare	****	2	2
lyrnam		1	1
Íds	1	1	1
noway		2	2
eace River	****	3	2 3
rovost		1	1
imbey	100	1	1
ocky Mountain House	100	1 2	1
edgewick	111	-	1 2 1 2 2 1
exsmith	1	1	2
tettler	i	î	2
aber	î		1
ofield		1	1
egreville	-1111	1	1
ainwright	****	1	1
/estlock	1		-
		A	4
iking		4 2	2
iking			-
/iking	10		66
7iking	10		-
7iking	10 Central Alberta Sanatorium		-
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium	2 56 Edmonton	Total
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2	Edmonton Sanatoria	Tota
iking ilna NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 2	Edmonton Sanatoria	
ilna NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 2 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 2	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 2 1	Edmonton Sanatoria	
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NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 2 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	
NICIPAL AND L.I. DISTRICTS:	Central Alberta Sanatorium 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edmonton Sanatoria	

		Central Alberta Sanatorium	Edmonton Sanatoria	Total
427		1		1
429			1	1
430		1011	1	1
431		4111	1	1
448		1111	1	1
453		1111	1	1
		ï	1	2
			î	1
		3		3
480			2	2
			1	1
		2	1111	2
514		1010	2	2
516			3	3
522		4010	1	1
545		****	2	2
		1111	2	2
549		4000	1	1
			2	2
552		****	1	1
555 556		****	1	1
562		2	2	4
574			1	1 2
575			2	1
577		200	1	1
582		****	1	î
604		300	î	î
605		100	î	1
608		100	2	2
635		****	1	1
636	***************************************	are.	1	1
638		4444	1	1
639		PHO .	1	1
665		1111	1	i
666			2	2
667		1111	ī	1
706		****	1	1
723		000	1	1
732			1	1
733 739		1111	3	3
742		100	1	1
765	***************************************	1	-	1
771		mir	1	1
795		****	9	2
812			1	. 1
829		1	2	3
831			1	1
857			1	1
873 874			1	1
1094	4,51,71,71,71,71,71,71,71,71,71,71,71,71,71	1	1007	1
1234			1	1
1507			00	124
		56	68	124
		28	1	29
Non	residents of Alberta			_
IND	IANS:			
T	lood Reserve. Gleichen	1		1
E	rmineskin Reserve, Hobbema		7	7
Ti	dmonton Residential School		3	1
107	ort Chinewvan		1 2	2
I	niffield		1	ĩ
70.	farlhoro	2010	2	3 1 2 1 2 2 2
E	the Quill Reserve, St. Paul		2	2
X	ouville School, St. Albert	2.00	-	-
		1	18	19
			-	-

The Child Welfare Branch

(C. B. Hill, Deputy Superintendent)

Working within the provisions of The Child Welfare Act of Alberta, The Juvenile Courts Act of Alberta, The Dominion Delinquents Act, The Children of Unmarried Parents Act, Part VII of The Domestic Relations Act.

THE CHILD WELFARE ACT EXPENDITURES FOR THE YEAR ENDING MARCH 31, 1943

Salaries	\$ 16,409.39
Expenses:	
Printing, stationery, etc.	1,042.05
Automobiles	902.00
Travelling expenses	4,212.99
Freight, express, cartage	30.46
Medical services	4,324.99
Hospital and medical supplies	3,788.99
Postage	656.49
Telegrams and telephones	1,016.99
Advertisement	1.32
Legal fees and expenses	19.00
Fees other than legal	88.74
Boarding house supplies	33,294.65
Miscellaneous supplies	
Books and binding	250.27
Burial expenses	38.00
Clothing	8,308.92
Photographic supplies and services	2.78
Gas and oil	352.91
Repairs and replacements (automobiles)	267,89
Unclassified	147.17
	\$ 75,156.00

CHILDREN MADE WARDS OF THE SUPERINTENDENT OF CHILD WELFARE

	Age	e	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
1	year a	nd under	145	167	148	194	229	206	255	269	304	330
2	years		13	8	8	9	7	11	12	9	13	8
3	years		3	8	5	7	12	4	6	7	9	7
4	years		4	4	5	10	5	8	12	14	10	9
5	years		3	7	10	5	5	5	9	15	8	8
6	years		5	5	7	9	12	5	16	14	6	12
7	years		5	4	7	5	7	6	13	15	7	8
8	years		5	5	10	5	10	6	16	9	9	12
9	years		3	8	6	7	10	4	15	24	8	7
10	years		10	8	15	5	7	5	16	11	11	14
11	years	***************************************	4	8	9	6	8	8	9	11	8	12
12	years		13	3	10	7	5	6	11	11	6	15
13	years		6	6	9	8	4	10	9	13	8	19
14	years		7	4	5	9	7	7	12	9	9	24
15	years		6	4	7	4	4	5	10	19	11	21
16	years	***************************************	8	8	12	8	3	9	8	9	7	21
17	years		4	1	5		2	1	3	5	3	16
		Total	246	258	278	298	337	306	432	464	437	543

NEGLECTED CHILDREN-CAUSE

	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
Neglected	51	49	85	52	53	71	50	23	17	54
Mother Unable to Support	152	168	176	213	247	204	237	271	297	320
Abandoned			1110			10	8	11	11	3
Immoral Conduct	****					3	1	6	1	13
Morals of Parent or Parents	15	30	7	9	10	5	35	40	38	12
Orphans	5	5	4		7	4	39	6	16	11
Cruelty of Parents	4			8	3	2			1	
Inadequate Parental Control		1		4	1	1	6	23	7	17
Father Dead, Mother Insane				4		2000		12	8	
Mother in Gaol				1		****	4		3	****
Incorrigible	3	1					4	9	6	51
Mother in Mental Hospital				1	3	1000	10			200
Mother not Capable	4	1								****
Mother Dead	1		1111		1		19		****	*****
Mother Deserted		****			î				****	
Mother Drinking					2			47	11	
Home Conditions	****	****				5	19	16	21	49
Donast or Donasto in Institution		*****			****					75
N. D Considerable	****	****	*****	****	****	1	****		****	9
No Proper Guardianship		****	****		1000		****	****		0

NEGLECTED CHILDREN-RELIGIOON

	1000	1004	1005	1000	1007	1000	1000	1010	1011	****
	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
Anglican	49	34	38	33	42	51	52	52	42	37
Presbyterian	25	13	15	21	13	21	20	43	20	8
Roman Catholic	64	74	68	66	82	48	106	142	116	157
United	37	38	32	20	49	61	97	81	90	64
Baptist	19	9	3	18	10	7	10	17	10	13
Protestant	27	41	46	78	70	56	59	75	79	223
Salvation Army	2	1	5	8	7	2	8	4	2	
Lutheran	9	18	12	18	31	27	23	24	31	17
Greek Orthodox	2	5	23	20	15	13	24	12	28	9
Greek Catholic	8	9	30	16	3	9	12	3	10	10
Mohammedan			5							1
Nazarene	2	1	1		2		2		3	
Pentecostal		3					4			
Christian						1	1			
Christian Science	10.10					1				1111
Evangelical		1				2			1	
Gospel Hall		1			1				1	
Four Square Gospel		2				1				
Mennonite					1		8	2	1	
Seventh Day Adventist						3	3	1	1	3000
Church of Christ							1	2		
Free Baptist							1			
Doukhobor									1	
Brethren								1		
Church of God								1		
Hebrew								2	****	
Methodist										2
Mounton										3
Mormon					1111					

NEGLECTED CHILDREN-NATIONALITY

	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
Canadian	219	236	248	268	569	303	426	455	430	471
American	2000	1	2	2	3	1	1	2	1	2
Polish	4010	5		1	8	2	3	2	1	5
Scotch	2	1			5	2		1		1
French	3	2	2	2			4114	119		6
Russian	5	1	10	19	100	1000		1	+	1111
English	5	3	1	1				1111	1	****
German	3		5	4			2000	5000	0.000	9
Irish	1	1	4			4444	****		****	6
Half-breed	2	100			1000	1111	****	-000	4	36
Ukrainian		2				1000		2000		16
Welsh	1111					1111	2	400	2111	1444
Syrian	****		5					10.00	****	0.00
Italian	1111		1	*****	area	1111	1111	11011		****
Chinese	410.0			1	****	1775	****	****		
Danish	-						****		****	2
Austrian	4	6		****	****	****	****	4411	41111	1
Arabian		9100	2000	****	4334	*****	1111	9	4000	
Jewish						*****		1	4000	****
Czechslovakian	****			****		****	****	-	****	41-15
Legitimate	94	84	118	105	69	87	167	176	125	181
Illegitimate	152	174	160	193	263	219	265	288	312	362

RETURN OF CHILDREN PLACED UNDER CHILD WELFARE ACT AND LEGAL ADOPTIONS UNDER DOMESTIC RELATIONS ACT

	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
Number of children placed in foster homes	441	366	372	391	490	593	690	615	651	560
Number legally adopted (Wards of Superintendent)	133	197	160	183	220	198	238	228	312	377
Number private adoptions (not wards) of Superintendent)	23	52	40	48	48	51	65	81	116	189

AGES OF CHILDREN PLACED IN FOSTER HOMES IN 1942-YEAR BORN

1942 1941 1940 1939 1938 1937 1936 1935	302 32 9 7 3 8 8	1931 1930 1929 1928 1927 1926 1925 1924		16 14 19 29 28 23 15 12
1934 1933 1932	 10 9		Total	560

DELINQUENTS-AGES

			1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
8	vears		6	10	5	3	6	7	7	2	11	8
9	years		6	8	18	14	18	6	6	8	13	4
10	years		26	34	30	19	27	18	17	16	26	13
11	years		38	68	47	37	27	39	36	38	71	38
12	years		48	54	68	58	69	52	53	63	73	54
13	years		65	69	78	80	63	88	65	97	134	86
14	years		93	94	123	129	85	114	105	147	211	171
15	years	***************************************	97	97	149	151	123	160	139	193	253	178
16	years		41	57	83	125	97	164	180	198	230	207
17	years				9	26	86	144	200	152	174	152
				-		-		HOF	011	014	1100	010
		Totall	420	491	610	642	606	795	811	914	1136	912
				4.00				mea	224	000	1100	877
M: Fe	ales males		391 29	467 24	585 25	615 27	576 30	750 45	774 37	863 51	1132 64	35

DELINQUENTS-RELIGION

	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
Anglican	69	75	55	64	61	91	88	125	143	75
	99	121	144	192	129	229	197	177	281	223
Roman Catholic	89	74	102	86	64	87	107	141	143	66
United	18	45	80	67	25	44	60	36	40	22
Lutheran	15	27	35	30	32	30	18	29	35	15
Greek Orthoodox			31	24	29	23	15	23	30	8
Greek Catholic	13	18				184	218	211	359	478
Protestant	65	95	113	114	204	194	210	211	000	410
Seventh Day Adventist		1	3	2	1110	*1.00	4	1	1000	****
Mohammedan	2011		1	****		1111	1	1	****	0.07
Brethren	2	****	1111				3	3	****	-
Christian	1000	.0000			1	3	-1	2	-	
Baptist	13	15	21	23	10	24	17	29	33	8
Pentecostal				4	3	2	7	7	4	
Presbyterian	16	12	19	27	25	39	37	67	86	8
Doukhobor	****	100	1010	****	****	1		10.00		
Latter Day Saints					1	14	17	38	10	4414
Hebrew	2			3	6	12	10	9	23	7
Spiritualist			4514	* 1111		1			****	
Beulah Tabernacle		3	4	1011		3		1	3	
Gospel Hall					1011	2	1010	5	1	1
Christian Science		1		3	4111	1	3	****	3	1111
Four Square Gospel						1	3	4111		
Salvation Army		4	2	3	15		2	2	2	1000
Church of Christ						2	1			
Church of God						2	1	2		
		****				7	4	2	6	
Nazarene		0000	5005		1	1	1			
Mennonite		****	****	****			2	2		
German Baptist		61.01	****		- 101			1		
Rosicrucian		1111	****					1		
Buddhist			****	****					1	
Congregationalist		****	****	****		****			9	
Bible Institute		2010	****	1000			****	9534	-	

DELINQUENTS-NATIONALITY

	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
Canadian	166	326	380	558	569	688	707	849	1093	868
	53	30	57	10	5	12	10	14	16	7
English	34	8	21	3	5	9	11	5	6	4111
Scotch	22	16	7	2	1	7	6	2	2	
Irish		2	2	3	•	5	1			
Italian	45	30	53	18	****	2		2	1	1
Russian		30		10		1	4	2	î	
Welsh	1		1 3	4	22.20	4	3	2	2	
Roumanian	3	2		10	3	20	16	15	17	7
American	5	47	12		8	25	23	12	25	8
Polish	3	6	7	8			3			
German	26	5	25	11	11	4	0		1	2
Austrian	47	10	16			1	3	****	5	2
Hungarian	17			3	2	5		- 0		15
Halfbreed		1000	1		1	4	11	2	14	10
Norwegian		****	14	3	****	10101	1	1		****
Finnish		1	2		****		****	1		4
French	+111	2		4	****		*111.5	****	2	1
South African	(8177)	1	****		****		****			4111
Czechslovakian	4000		1		1	4	5	3	2	****
Danish	2000			1100	****	1	100	1		2111
Chinese		3	****		0.000	1		****	2	-0.00
Swedish			8	1111		1111	2	****	1010	****
Jewish		****		3		****	4101	****		1011
Ukrainian		4000		****		1000	1		4	1111
Mexican				4474	4000	1000	1		****	1111
Dutch				****		1	*****	****	1	1
Yugoslavian			****			1	2		1	1111
Australian		4000		****				1111	1	
Lithuanian					****			1		****
Newfoundlander			****		1111	****			1	

DELINQUENTS—OFFENCES 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942

	1933	1934	1935	1936	1937	1938	1939	1940	1991	1992
Theft	131	270 72	283 62	294	428 62	516	437 54	469 50	598 149	311
Damage to Property Break and Enter	81	104	89	76	0.2	178	206	221	183	48
Assault		9	20	17	11	15	16	8	10	10
Liquor Act	****		2		3	2	4	2	9	21
Vagrancy		3	6	2		10	7	1	3	2
Traffic Act	****	4	2	18		23	24	15	41	38
Fraud				1	****	8		3	6	3
Forgery	17	18	65	2 41	90	250	9 262	399	496	34
By-Laws Incorrigible		4	3	17	1	3	5	3	10	0.4
Fishery and Games Act	8011	4		2		10	11	25		2
Domestic Animals Act		2	1	1	3	3	3		4	9000
Indecent Assault		4	2	6	2	1	9	3	9	
Creating Disturbance			4		1	3	3	6	16	10
Railway Act		6	4	38	17	10	7	22	38	8
Immorality Ealer Protonges		8	32	10	7	14	19	5	17	10
False Pretences Trespassing		1110		1000	1000	2	-		1010	4000
In Possession Stolen Goods		13	3	16	4	40	23	13	22	16
Receiving Stolen Property	29	13	11	4	4	2			1000	
Carnall Knowledge	3	4	4	10			5		****	2000
Obscene Language		4	2	2		1	1		****	1
Arson		1 2			9	3		3	4	1.77
Incest Billiard Room Act	1111			12	****	0		2	6	****
Indecent Conduct	1000	****		23		3		ĩ	9	1
Truancy	3				4010	****	4111		****	
Contributing to Delinquency	30	10	12	12		1		****		0.1
In Possession Firearms	4		2	8	1		6	5	5	21
Delinquency Poisoning Cattle	4	4		2	+	1011				****
Molesting Children		2				1111				2000
Attempted Theft				3		8	19	3	7	9111
Buggery	1			***			2	1	****	****
Unlawfully Wounding		2		13 13	1111		3	3		
Public Health Act Robbery			****	1	****	1111	****			****
Mischief						15	10	12	2	2
Attempt to B. & E.						2	11	7		****
Perjury			000	1111			1			
Prairie Fire Act					4444	1	4	9	3	****
Attempt Carnal Knowledge				1000				1	****	
Pittering Carrier Ithowicase								î		
Defence of Canada Act Expose Obscene Written Matter					****			1	****	
Defence of Canada Act Expose Obscene Written Matter Prostitute								1	****	
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property	h	****	****	****	****			1	****	
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide	\$111 \$111 \$111	0.00 0.00 0.00 0.00		1000 1000 1000 1000	****			1	2000	
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property	h-1	****	****	****	****			1 1	#111 #254 #111	
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer	0000 0000 0000 0000 0000	0.00 0.00 0.00 0.00 0.00		2000 2000 2000 2000 2000				1 1 1 1	##14 ##14 ##14	
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws								1 1 1 4 1 1		325
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty								1 1 1 1 4 1		
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer								1 1 1 4 1		325
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty	ENTS	-SEI	NTEN	CES				1 1 1 4 1		325 5 1
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU	ENTS 1933	SEI 1934	NTEN 1935	NCES 1936	1937	1938	1939	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1941	325 5 1
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence	ENTS 1933 103	SEI 1934	NTEN 1935 105	VCES 1936 164	1937	1938	1939	1 1 1 4 1 1940 123	1941	325 5 1 1942 111
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peacee Officer DELINQU Suspended Sentence Probation	ENTS 1933 103 194	SEI 1934 79 161	NTEN 1935 105 207	VCES 1936 164 227	1937 94 149	1938	1939	1 1 1 4 1 1 1 1940 123 191	1941 114 249	325 5 1 1942 111 139
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards	ENTS 1933 103 194 4	SEI 1934	NTEN 1935 105	VCES 1936 164	1937	1938	1939	1 1 1 4 1 1940 123	1941	325 5 1 1942 111
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped	ENTS 1933 103 194 4	SEI 1934 79 161 42	NTEN 1935 105 207 32	NCES 1936 164 227 35	1937 94 149 49	1938 108 207 55	1939 139 213 78 13 32	1 1 1 4 1 1 1 1940 123 191 48 20 50	1941 114 249 49 14 97	325 5 1 1942 111 139 31
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined	ENTS 1933 103 194 4	SEI 1934 79 161 42 1 19 27	NTEN 1935 105 207 32 3 8 59	VCES 1936 164 227 35 4 22 32	1937 94 149 11	1938 108 207 55 35 56 15	1939 139 213 78 13 32 23	1 1 1 4 1 1 1 1940 123 191 48 20 50 39	1941 114 249 49 14 97 32	325 5 1 1942 111 139 31 15 53
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs	ENTS 1933 103 194 4 39 8 51	SEI 1934 79 161 42 1 199 27 69	NTEN 1935 105 207 32 3 8 59 116	VCES 1936 164 227 35 4 22 32 128	1937 94 149 49 11 34 151	1938 108 207 55 35 56 15 202	1939 139 213 78 13 32 23 247	1 1 1 4 4 1 1 1940 123 191 48 20 50 39 334	1941 114 249 49 14 97 32 356	325 5 1 1942 111 139 31 15 53 281
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution	ENTS 1933 103 104 4 39 8 8 51	SEI 1934 79 161 42 1 199 277 699 38	NTEN 1935 105 207 32 3 8 59 116 19	VCES 1936 164 227 35 4 22 32 128 4	1937 94 149 11 34 151 62	1938 108 207 55 35 56 15 202 129	1939 1399 213 78 13 32 247 86	1940 1940 123 191 48 20 50 39 334 102	1941 114 249 49 14 97 32 356 155	325 5 1 1942 111 139 31 15 53 281
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded	ENTS 1933 103 194 4 39 8 51 51 38	SEI 1934 79 161 42 1 19 27 69 38 30	NTEN 1935 105 207 32 3 8 59 116 19 25	VCES 1936 164 227 35 4 22 32 128	1937 94 149 49 11 34 151	1938 108 207 55 35 56 15 202	1939 139 213 78 13 32 23 247 866 39	1 1 1 4 4 1 1 1940 123 191 48 20 50 39 334	1941 114 249 49 14 97 32 356 155 112	325 5 1 1942 111 139 31 15 53 281 7
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned	ENTS 1933 103 194 4 39 8 51 38 38 32	SEI 1934 79 161 42 1 199 277 699 38	NTEN 1935 105 207 32 3 8 59 116 19	VCES 1936 164 227 35 4 222 32 128 4 48	1937 94 149 49 11 34 151 62 49	1938 108 207 55 35 56 15 202 129	1939 139 213 78 13 32 247 86 39 117	1 1 1 4 1 1 1 1940 123 191 48 20 50 39 334 102 47	1941 114 249 49 14 97 32 356 155	325 5 1 1942 111 139 31 15 53 281
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned Industrial School including Suspended Sentence	ENTS 1933 103 194 4 39 8 51 38 58 58 32	SEI 1934 79 161 42 1 1 199 27 69 38 30 54	NTEN 1935 105 207 32 3 8 59 116 19 25	VCES 1936 164 227 35 4 222 32 128 4 48 52	1937 94 149 49 11 34 151 62 49 39	1938 108 2007 55 56 15 202 29 93 12	1939 139 213 78 13 32 23 247 86 39 117	1 1 1 1 4 1 1 1940 123 191 48 20 50 39 334 102 47 93	1941 114 249 14 97 32 356 155 112 208	325 5 1 1942 111 139 31 15 53 281 7 7 191
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned Industrial School including Suspended Sentence Remanded to Police Court	ENTS 1933 103 194 4 39 8 51 38 38 32 15 4	SEI 1934 79 161 42 2 1 19 27 69 38 30 54 10	NTEN 1935 105 207 32 8 59 116 19 25 73	VCES 1936 164 227 35 4 22 32 128 4 48 52	1937 94 149 49 11 134 151 62 49 39	1938 108 2077 55 56 15 2022 129 93 12 38	1939 139 213 78 13 32 23 247 86 39 117	1 1 1 1 4 1 1 1940 123 191 48 20 50 39 334 102 47 93	1941 114 249 49 14 97 32 356 155 112 208	325 5 1 1942 111 139 31 15 53 281 7 7 191
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned Industrial School including Suspended Sentence Remanded to Police Court Cautioned	ENTS 1933 103 194 4 39 8 51 38 38 32 15 4	SEI 1934 79 161 42 1 19 27 69 38 30 54 10	NTEN 1935 105 207 32 3 8 59 116 19 25 73	1936 164 227 35 4 422 32 128 4 48 52	1937 94 149 49 111 34 151 62 49 39	1938 108 2077 55 35 56 15 2022 129 93 12 38 13	1939 139 213 78 13 32 23 247 86 39 117	1940 1940 123 191 48 20 39 334 102 47 93	1941 114 249 49 14 97 32 356 155 112 208	325 5 1 1942 111 139 31 15 53 281 7 7 191
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned Industrial School including Suspended Sentence Remanded to Police Court Cautioned School for Mental Defectives	ENTS 1933 103 194 4 39 8 51 38 58 32 15 4	SEI 1934 79 161 42 19 27 69 38 30 54 10	NTEN 1935 105 207 32 8 59 116 19 25 73	VCES 1936 164 227 35 4 22 32 128 4 48 52	1937 94 149 49 11 134 151 62 49 39	1938 108 2077 55 56 15 2022 129 93 12 38	1939 139 213 78 13 32 23 247 86 39 117	1 1 1 1 4 1 1 1940 123 191 48 20 50 39 334 102 47 93	1941 114 249 49 14 97 32 356 155 112 208	325 5 1 1942 111 139 31 15 53 281 7 7 191
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned Industrial School including Suspended Sentence Remanded to Police Court Cautioned School for Mental Defectives Returned to Parents	ENTS 1933 103 194 4 39 8 51 138 58 32 1 15	SEI 1934 79 161 42 1 19 27 69 38 30 54 10	NTEN 1935 105 207 32 3 8 59 116 19 25 73	VCES 1936 164 227 35 4 422 32 128 4 48 52 14 2	1937 94 149 49 11 34 151 62 49 39	1938 108 207 55 35 56 15 2022 29 9 93 122 388 133	1939 139 213 78 132 23 247 86 39 117	1940 1940 123 191 48 20 50 39 334 102 47 93	1941 114 249 49 14 97 32 356 155 112 208	325 5 1 1942 111 139 31 15 53 281 7 7 191
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned Industrial School including Suspended Sentence Remanded to Police Court Cautioned School for Mental Defectives Returned to Parents Dismissed Remanded Remanded	ENTS 1933 103 194 4 39 8 51 38 38 32 1 15 4 1	SEI 1934 79 161 42 1 19 27 69 38 30 54 10 61	NTEN 1935 105 207 32 3 8 59 116 19 25 73	VCES 1936 164 227 35 4 422 32 128 4 48 52 14 2	1937 94 149 49 11 134 151 62 49 39 13 12 9	1938 108 207 55 35 56 15 202 29 93 12 38 13 4	1939 139 213 78 13 32 23 247 86 39 117	1940 1940 123 191 48 20 50 39 334 102 47 93	1941 114 249 49 14 97 32 356 155 112 208	325 5 1 1942 111 139 31 15 53 281 7 7 191
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned Industrial School including Suspended Sentence Remanded to Police Court Cautioned School for Mental Defectives Returned to Parents Dismissed Remanded Supervision	ENTS 1933 103 194 4 39 8 51 38 58 32 15 4 1 12 39 27	SEI 1934 79 161 42 11 19 27 69 38 30 54 10 61	NTEN 1935 105 207 32 3 8 59 116 19 25 73 1	NCES 1936 164 227 35 4 22 32 128 48 52 14 2	1937 94 149 49 111 34 151 62 49 39 13 12 9	1938 108 207 55 35 56 61 129 29 93 12 38 13 4	1939 139 213 78 133 223 247 866 39 117	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1941 114 249 49 14 97 32 356 155 112 208	325 5 1 1942 1111 139 31 15 53 281 7 7 191 13
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned Industrial School including Suspended Sentence Remanded to Police Court Cautioned School for Mental Defectives Returned to Parents Dismissed Remanded Supervision Driver's License Suspended	ENTS 1933 103 194 4 39 8 51 38 58 32 1 12 39 27	SEI 1934 79 161 42 1 199 277 699 38 300 54 10	NNTEN 1935 105 2077 32 3 8 59 116 19 25 73 1	NCES 1936 164 227 35 4 22 32 128 4 4 52 14 2 2	1937 94 149 49 11 34 151 62 49 39 13 12 9	1938 108 2077 55 35 56 15 2022 129 93 12 38 13	1939 139 213 78 13 32 23 247 86 39 117 2	1940 1940 123 191 48 200 39 334 102 47 93	1941 114 249 49 14 97 32 356 155 112 208	325 5 1 1942 1111 139 31 15 53 281 7 7 191 13
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned Industrial School including Suspended Sentence Remanded to Police Court Cautioned School for Mental Defectives Returned to Parents Dismissed Remanded Supervision Driver's License Suspended Bicycle Surrendered for period Riffe Confiscated	ENTS 1933 103 194 4 39 8 51 38 32 15 4 1 12 39 27	SEI 1934 79 161 422 1 199 27 699 38 30 54 10	NTEN 1935 105 207 32 3 8 59 116 19 25 73 1	NCES 1936 164 227 35 4 22 32 128 4 4 52 14 2 2	1937 94 149 49 111 34 151 62 49 39 13 12 9	1938 108 2077 555 355 66 15 2022 1299 93 42 388 13 44 44 88 22	1939 139 213 78 133 247 86 39 117 2 37	1940 1940 123 191 48 20 50 39 334 102 47 93	1941 114 249 49 14 97 32 356 155 112 208	325 5 1 1942 1111 139 31 15 53 281 7 7 191 13
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned Industrial School including Suspended Sentence Remanded to Police Court Cautioned School for Mental Defectives Returned to Parents Dismissed Remanded Supervision Driver's License Suspended Bicycle Surrendered for period Rifle Confiscated Write Charge Number of Times	ENTS 1933 103 194 4 39 8 51 38 58 32 15 4 1 122 39 27	SEI 1934 79 161 42 1 19 27 69 38 30 54 10 61	1935 105 207 32 3 8 59 116 19 25 73 1	VCES 1936 164 227 35 4 422 32 128 4 48 52 14 2	1937 94 149 49 11 34 151 62 49 39 13 12 9	1938 108 2077 555 566 15 52022 1299 93 122 388 133 13 44	1939 139 213 78 132 247 86 39 117 2 37	1 1 1 1 4 1 1 1940 123 191 48 20 50 39 334 102 47 93	1941 114 249 49 14 97 32 356 155 112 208 1 10 3 3	325 5 1 1942 111 139 31 15 53 281 7 7 191
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned Industrial School including Suspended Sentence Remanded to Police Court Cautioned School for Mental Defectives Returned to Parents Dismissed Remanded Supervision Driver's License Suspended Bicycle Surrendered for period Rifle Confiscated Write Charge Number of Times Write Summons Number of Times	ENTS 1933 103 194 4 39 8 51 38 58 32 15 4 1	SEI 1934 79 161 42 1 199 277 699 38 300 54 10	NNTEN 1935 105 207 32 3 8 59 116 19 25 73 1	NCES 1936 164 227 35 4 4 48 52 128 14 2 2	1937 94 149 49 111 34 151 62 49 39 13 122 9	1938 108 207 55 35 56 15 202 29 93 12 38 13 13 4 4 2 32 32	1939 139 213 78 13 247 86 39 117 2 37	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1941 114 249 49 14 97 32 356 155 112 208 1 10 3 15	325 5 1 1942 111 139 31 15 53 281 7 7 191 13
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned Industrial School including Suspended Sentence Remanded to Police Court Cautioned School for Mental Defectives Returned to Parents Dismissed Remanded Supervision Driver's License Suspended Bicycle Surrendered for period Rifle Confiscated Write Charge Number of Times Write Summons Number of Times Write Lines	ENTS 1933 103 194 4 39 8 51 38 58 32 1 15 4 1 12 39 27	SEI 1934 79 161 42 1 1 19 27 69 38 30 54 10	1935 105 207 32 3 8 59 116 19 25 73 1	VCES 1936 164 227 35 4 22 32 128 4 48 52 14 2	1937 94 149 111 34 151 62 49 39 13 122 9	1938 108 207 55 56 15 202 29 93 12 38 13 4 4 4 2 32	1939 139 213 788 13 32 23 247 86 39 117 2 37	1940 1940 123 191 48 20 50 39 334 102 47 93	1941 114 249 49 14 97 32 356 15 112 208	325 5 1 1942 111 139 31 15 53 281 7 7 191 13 3 3 15 15 15 17
Defence of Canada Act Expose Obscene Written Matter Prostitute Attempt to Sell Stolen Property Attempt Suicide Lord's Day Act National Mobilization Act Obstruct a Peace Officer Bicycle By-laws Cruelty Resist a Peace Officer DELINQU Suspended Sentence Probation Made Wards To be Strapped Adjourned Sine Die Fined Costs Restitution Reprimanded Warned Industrial School including Suspended Sentence Remanded to Police Court Cautioned School for Mental Defectives Returned to Parents Dismissed Remanded Supervision Driver's License Suspended Bicycle Surrendered for period Rifle Confiscated Write Charge Number of Times Write Summons Number of Times Write Lines Bicycle Impounded	ENTS 1933 103 194 4 39 8 51 13 38 32 1 12 39 27	SEI 1934 79 161 42 1 19 27 69 38 30 54 10 61	NTEN 1935 105 207 32 3 8 59 116 19 25 73 1	VCES 1936 164 227 35 4 422 32 128 4 48 52 14 2	1937 94 149 49 11 134 151 62 49 39 13 12 9	1938 108 207 55 35 56 15 202 29 93 12 38 13 13 4 4 2 32 32	1939 139 213 788 13 32 23 247 86 39 117 2 37	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1941 114 249 49 14 97 32 356 155 112 208 1 10 3 15	325 5 1 1942 1111 139 31 15 53 281 7 7 191 13
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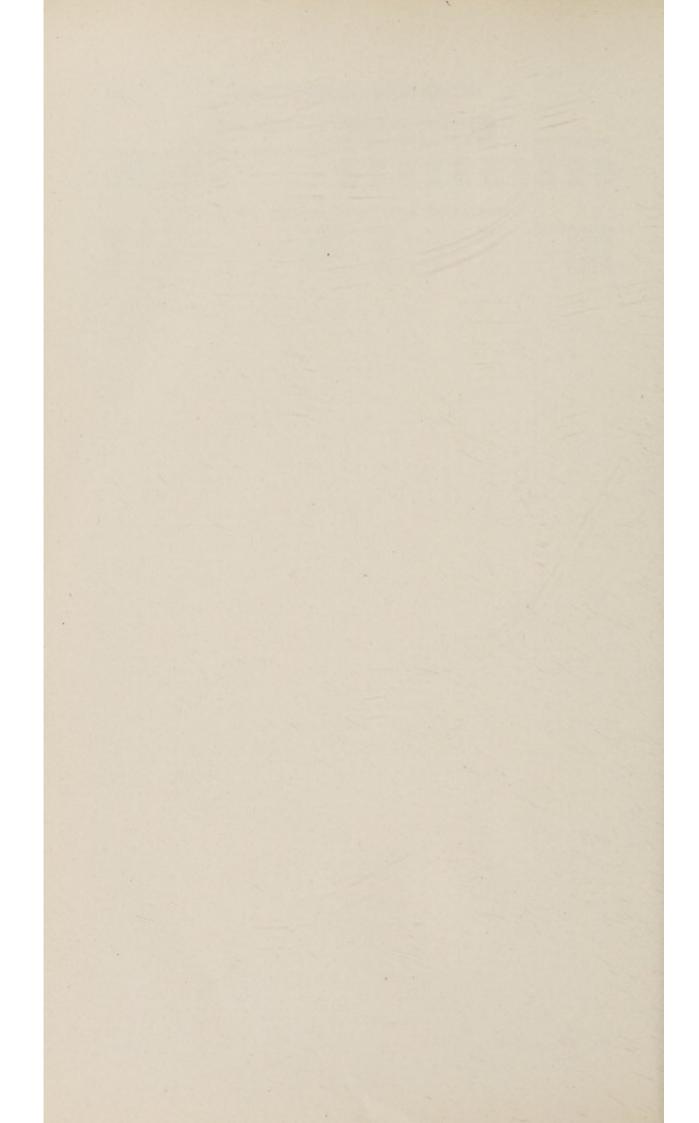
THE CHILDREN OF UNMARRIED PARENTS ACT

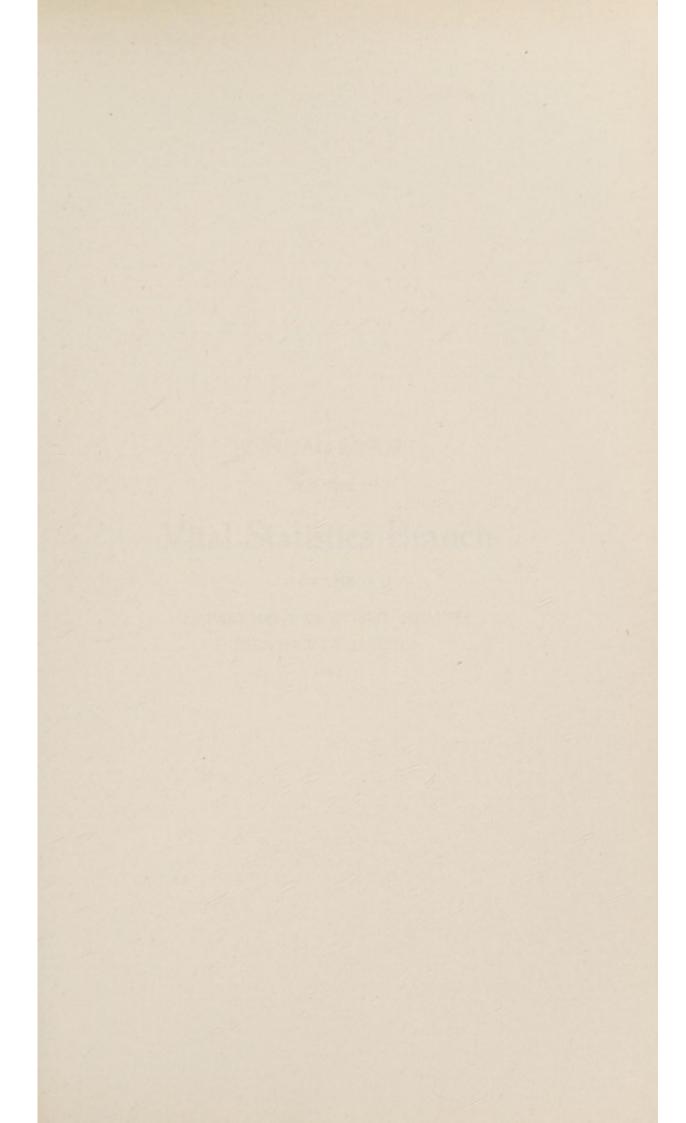
	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
Number of Illegitimate Births Regis- tered	497	496	548	481	561	668	583	628	660	615
Number of cases dealt with Number of cases closed	244	221	177	159	248		388	162	396	385

AMOUNT RECEIVED FROM PUTATIVE FATHERS

1933	***************************************	\$5,526.93	1938	THE RESIDENCE OF THE PROPERTY OF THE PERSON	\$12,970.78
1934		6,746.00	1939		
1935		5,811.61	1940		
			1941		
1937		8,701.70	1942		18,843.79









ANNUAL REPORT

OF THE

Vital Statistics Branch

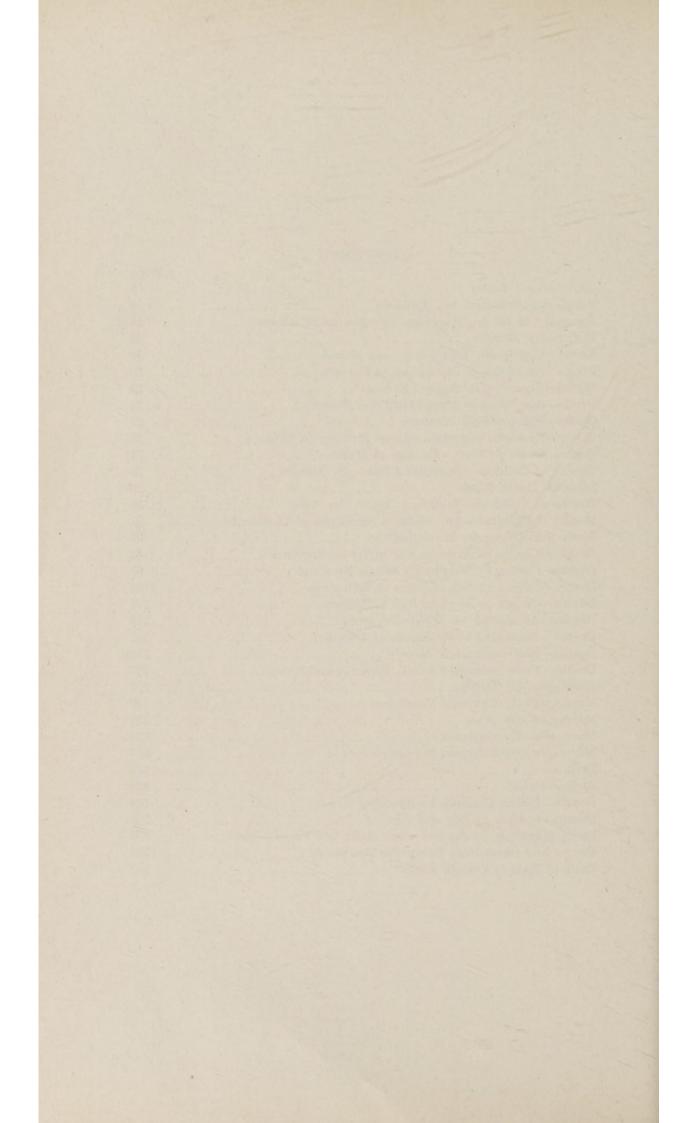
OF THE

DEPARTMENT OF PUBLIC HEALTH
PROVINCE OF ALBERTA
1942



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VITAL STATISTICS BRANCH

(Donald Mackie, Deputy Registrar General)

The Vital Statistics for the Province of Alberta for the year 1942 reveal an increase in the birth and marriage rates and a decrease in the death rate. There are also decreases in the infant mortality and maternal mortality rates.

The birth rate is the highest since the year 1932, and is the highest of all the Western Provinces. The general birth rate throughout Canada has been on the increase for the past three years.

The marriage rate is higher than the previous year, and is the third highest in 28 years. War conditions and the absence of unemployment are probably responsible for this condition.

The death rate from epidemic and contagious diseases show a gratifying decline from the previous year, all forms being lower with the exception of Scarlet Fever and Diphtheria. The death rate from Cancer has again increased, the steady upward trend unfortunately being maintained. Heart Disease is on the increase and is still the chief cause of death. Deaths by violence show a decrease over the previous year; the total, however, still remains high, the number of aeroplane accidents being responsible.

POPULATION

The population of the Province of Alberta for the year 1942 has been estimated by the Dominion Bureau of Statistics at 805,000. All rates in this report have therefore been based on that figure.

BIRTHS

The number of children born alive and registered during the year amounted to 18,317 being a birth rate of 22.7 per 1,000 population. This is 1,009 more than in the previous year or is an increase of 1.0 in the rate. Comprising the total births, 9,417 were males and 8,900 were females, being a ratio of 1,058 males to 1,000 females, which is slightly above the average for the preceding 10 years, the highest during the past 25 years being 1,075 and the lowest 1,019. There were 420 twins (210 sets) born during the year; there were no triplets. Illegitimate births numbered 777, an increase of 57 over the previous year, and constituting a rate of 4.2 per 100 births.

Of the total births registered, 11,028 occurred in the cities and towns of over 1,000 population, 6,352 in the rural districts, and 937 were Indians. In the four large cities, the births were as follows: Edmonton 3,581, Calgaray 2,561, Lethbridge 915, and Medicine Hat 521.

For the purposes of comparison, the following are the birth rates for Canada and the Provinces for the year 1942:

BIRTH RATES

Canada	23.4	Ontario	20.4
Prince Edward Island			21.2
Nova Scotia	26.0	Saskatchewan	20.6
New Brunswick	27.2	ALBERTA	22.7
Quebec		British Columbia	20.4

MARRIAGES

There were 9,034 marriages registered during the year. This is 564 more than the number for the previous year, and is 1,353 more than the average for the five preceding years. This is the largest number of marriages in the history of the Province, and constitutes a rate of 11.2 per 1,000 population.

Of the 9,034 marriages, 148 are brides of 16 years of age and under, 1,836 are between the ages of 17 and 19, and 4,222 between the ages of 20 and 24. There were 111 grooms and 51 brides over 60 years of age, 19 of these grooms and 5 of these brides being over 70 years of age, whilst 1 groom and 3 brides were over 75. The number of marriages in the four largest cities are as follows: Edmonton 2,235, Calgary 2,009, Lethbridge 387, and Medicine Hat 379.

For purposes of comparison, the following are the marriage rates per 1,000 population for Canada and the Provinces for the year 1942:

MIC	THEFT	AP HATTED	
Canada Prince Edward Island Nova Scotia New Brunswick Quebec	8.1 11.7 10.6	Ontario Manitoba Saskatchewan ALBERTA British Columbia	11.4 8.0 11.2

DIVORCES

There were 380 divorces granted by decree absolute during the year, which is 69 more than in the previous year, and is 104 more than the average for the preceding five years; 179 were granted to husbands and 201 to wives. In addition to the divorces, 5 decress of nullity were issued.

DEATHS.

During the year, deaths (including Indians) numbered 6,091, of whom 3,724 were males and 2,367 females. This number is 294 less than in the previous year, and constitutes a death rate of 7.5 and is .5 less than in the preceding year. There were 430 males and 343 females 80 years of age and over at the time of death, whilst 2 males and 1 female were centenarians.

For purposes of comparison, the following are the death rates per 1,000 population for Canada and the Provinces for the year 1942:

	DEATH	RATES	
Canada	9.7	Ontario	10.2
Prince Edward Island	10.0	Manitoba	8.7
Nova Scotia	10.8	Saskatchewan	6.8
New Brunswick	11.1	ALBERTA	
Quebec	10.0	British Columbia	10.7

Heart disease is still the most frequent cause of death, the rate being 184 per 100,000 population, as compared with 176 for the previous year. The cancer rate increased from 90 to 97.

There was a decrease in the deaths from Pneumonia, the number being 335 compared with 374, and the rate being 41 compared with 47 for the previous year. The deaths due to diseases of the arteries were 97 as compared to 86 for the previous year. The deaths from Influenza showed a considerable decrease, the number being 75 as against 176 for the previous year, and the respective rates being 9 and 22. Deaths from Pulmonary Tuberculosis showed a gratifying decrease, the number being 214 compared with 253 for the year 1941, the rates being 26 and 32 respectively. Deaths due to puerperal causes numbered 43, being 11 less than in the

preceding year, and constituting a rate of 5 per 1,000 population, or 2.3 per 1,000 live births, as against 3.1 for the year 1941. Violent deaths (excluding suicides) numbered 483, being a rate of 59 compared with 525 deaths and a rate of 66 for the previous year. Deaths from automobile accidents numbered 62 compared with 78 for the year 1941, deaths by drowning were 52 as against 53 for the previous year. Total accidents in mines and quarries numbered 19 as against 50 for the preceding year. Forestry and agricultural accidents were responsible for 52 deaths as against 50 for the year 1941.

The following table shows certain principal causes of death during the year. Both the actual number and the rate per 100,000 population of each is given, together with the figures for the four preceding years:

	19		194	-	19	140	19	39	19	-
Causes of Death	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 Cancer Diseases of the Arteries Violent Deaths (Suicides excepted) Pneumonia (all forms) Pulmonary Tuberculosis Influenza Nephritis Appendicitis Suicides Cerebral Haemorrhage Diabetes Mellitus Diarrhoea and Enteritis Puerperal Causes Whooping Cough Scarlet Fever Diphtheria Typhoid and Paratyphoid Measles Poliomyelitis	1483 784 97 483 335 214 75 260 69 86 450 106 76 43 12 11 11 1	184 97 12 58 41 26 9 32 8 10 56 13 9 5 1	1394 712 86 524 374 254 176 255 91 103 501 122 99 54 23 6 6 5 5 30 8	177 90 11 67 47 32 22 32 31 13 64 15 13 7 3 1 1	1086 759 517 415 376 232 255 217 96 116 90 92 69 56 9 12 3 6 4	137 95 65 52 47 29 32 27 12 15 11 12 9 7	997 647 550 364 362 217 216 214 103 96 90 90 59 33 19 7 7 6 5	126 82 70 46 46 27 27 27 27 11 13 12 11 11 18 4 2 2 1 1 1 1	895 682 455 357 488 206 174 243 146 100 102 85 118 68 30 25 18 12 30 15	114 87 58 46 62 26 22 31 18 12 13 11 15 8 4 3 2 2 4 2

The foregoing list comprises 4,598 deaths, and amounts to 75.4 of the total deaths for the year.

INFANT DEATHS

The deaths of children under one year of age numbered 696 as against 879 for the previous year, the respective rates per 1,000 births being 38 and 51, a decrease of 13 in the rate and a decrease in the actual number of deaths of 183. This is the lowest infantile mortality rate in the history of the Province and the second lowest in Canada, and when taken in conjunction with the maternal mortality rate of 2.3 per 1,000 live births, the lowest in Canada, it is evident that the improved health services in the Province are responsible for saving the lives of many mothers and children.

For purposes of comparison, the following tables show the infantile and maternal mortality rates per 1,000 births for Canada and the Provinces for the year 1942:

INFANT MORTALI	TY RA	ATES PER 1,000 BIRTHS	
Canada Prince Edward Island Nova Scotia New Brunswick Quebec	50 58 77	Ontario Manitoba Saskatchewan ALBERTA British Columbia	40 51 43 38 35
MATERNAL MORTA	LITY	RATES FOR 1,000 BIRTHS	
Canada Prince Edward Island Nova Scotia New Brunswick Quebec	3.0	Ontario Manitoba Saskatchewan ALBERTA British Columbia	2.6 2.6 3.4 2.3 2.4

The number of deaths by suicide is 86, a decrease of 17 from the previous year, whilst the deaths from murder and manslaughter are 10, being a decrease of 4.

Stillbirths numbered 337, being 13 more than the number for the year 1941.

OVERSEAS DEATHS

Deaths of Alberta residents which occurred on active service overseas are now recorded with the Bureau of Vital Statistics in Edmonton. Registrations received for the years 1940, 1941 and 1942 are as follows:

1940	 27
1941	91
1942	 286

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 MUNI-CIPALITIES FOR CENSUS YEARS, 1941 AND 1936

Census Divisions and	Popu	lation	Census Divisions and	Population		
Municipalities	1941	1936	Municipalities	1941	1936	
Province	796,169	772,782	Division No. 2—Continued:			
Division No. 1	29,595	29,699	Towns—Continued :			
1 I.D.	57	93	Diamond City	(1)	143	
2 I.D. 3 I.D.		162 172	Granum Macleod	238 1,912	1.36	
4 I.D.		555	Magrath		1,21	
5 I.D.	1.067	1.251	Pincher Creek	994	99	
6 I.D. 31 I.D.		643	Raymond Villages:	2,089	2,09	
31 I.D. 32 I.D.		592	Coaldale	290	25	
33 Flowery Plains		533	Coalhurst	(1)	77	
34 Burlington			Cowley	125	14	
35 I.D. 36 Warner		1,305	Frank Pincher City	204	25	
61 I.D.		821	Stirling		39	
62 I.D.	615					
63 I.D.			Division No. 3	15,518	14,710	
64 Forty Mile 65 Eureka		1,148	96 I.D. (Pt.) 121 Many Islands	536 2,416	2.78	
66 I.D.	STATE OF THE PARTY NAMED IN	2,549	122 Jubilee I.D.		2.02	
91 I.D.	1,164	1,170	123 Bow Slope, I.D. (Pt.)	5,475	4,41	
92 I.D. 93 I.D.	400 ATT ATT	974 890	125 I.D. 127 I.D. (Pt.)	1,184	43 91	
93 I.D. 94 Bow Island	535	614	241 Acadia (Pt.)			
Cities:	1		Towns:			
Medicine Hat	10,571	9,592	Bassano	582	57	
Towns: Bow Island	291	308	Brooks Redcliff	888 1,111	69 99	
Irvine		278		-1111	-	
Taber	1,331	1,341	Duchess	149	15	
Villages: Burdett	123	90	Empress Enchant	341	30:	
Milk River	40.40.40	1	Jenner	40.00	4	
Warner	40.00.00	309	Retlaw,	(1)	6	
District W. O	F0 F00	400	Tilley	193	****	
Division No. 2	58,563 432	57,499 330	Division No. 4	29,383	28,28	
8 I.D.		1.394	96 I.D. (Pt.)	245	2000	
9 I.D.		1,547	97 I.D.	2,939	2,93	
10 Cochrane 37 Sugar City	1,589	1,613	98 Little Bow	1,363	1,52	
38 I.D.	1.282		128 Harmony		1,05	
39 Kerr	1,602	1,830	129 Clear Lake	1,728	2.02	
40 Castle River		606	130 I.D.	305	34	
67 I.D. 68 I.D.		4.635 2.467	131 I.D. 157 Marquis		1.77	
69 Bright			158 Royal		1.58	
70 Livingstone	1,217	1,466		1,721	1.83	
71 I.D.	4,149		160 I.D.		67	
99 Argyle			161 I.D. 189 Dinton	4 45 45 45		
101 I.D.	162	173	190 Sheep Creek	1,831	1,97	
Waterton National Park	269		191 Stockland	3,706	2,95	
Indian Reserves	2,162	1,991	192 I.D.			
Cities: Lethbridge	14,612	13,523	193 I.D. Towns:	-	****	
Towns:			High River			
Blairmore		1,682			70	
Claresholm					57 30	
Claresholm						

Census Divisions and	Popul	ation	Census Divisions and	Population		
Municipalities Municipalities	1941	1936	Municipalities	1941	1936	
Division No. 4—Continued:			Division No. 6—Continued:			
Villages:	051	250	Williagens			
Arrowwood		252 264	Villages: Albert Park	(1)	332	
Black Diamond		657	Beiseker	240	230	
Blackie	223	225	Carbon	409	374	
Carmangay	229	234	Carstairs	371 138	356 142	
Cayley	133	135 328	Cluny Cochrane	298	336	
Champion Lomond		127	Crossfield	409	333	
Milo		136	Forest Lawn	899	471	
Nobleford	111	117	Hussar	116 172	104 160	
Turner Valley	676	475	Irricana Langdon	95	101	
Division No. 5	18,926	21,391	Newcastle	(1)	1,278	
214 I.D.	2 1000	1.793	Rockyford	201	211	
241 Acadia (Pt.)	739	826	Rosebud	99	114 205	
242 I.D.		1,176	Standard Swalwell	212 114	112	
273 I.D. 276 I.D. (Pt.)		345 2,436	Trochu	480	464	
277 Michichi	1,118	1,290				
305 I.D. (Pt.)	2,986	1,285	Division No. 7	33,285	37,647 168	
306 Lambton		1,390	305 I.D. (Pt.)	3,012	3.005	
307 Starland 331 I.D. (Pt.)	of distances	1,201	334 Coronation	1,840	1,941	
Towns:			362 Hillcrest		1,176	
Hanna	1.622	1,405	363 Stocks	935	1,173	
Villages:	140	131	364 Flagstaff 365 Progress	1,530 2,002	2,262	
Cereal Chinook		134	391 Sifton	1.688	1.477	
Craigmyle		214	392 Vale	835	1,044	
Delia	. 315	279	393 Huamha	1,041	1,275 1,235	
Morrin		146		1.692	1,809	
Munson Oyen		146 298		1,416	1.644	
Richdale	4.46.5	38	The second secon	1,489	1,767	
Rumsey	90		423 Battle River	1,399	1,530	
Youngstown	188	187	424 Kinsella 425 Sterling		2.049	
Division No. 6	146.990	141,806	455 Iron Creek	2,079	2,270	
123 Bow Slope I.D. (Pt.)		547	Buffalo National Park	4		
217 I.D.	555	704		625	592	
218 Blackfoot		1.528		581	605	
219 Bow Valley 220 Shepard		2.057			524	
221 Springbank	3,241	2,539		980	1,048	
222 I.D.		471	Villages: Alliance	233	263	
223 I.D.			Cadogan		84	
247 I.D. 248 Grasswold	1,400		Chauvin	343		
249 Keoma	1,613	1.518	Compeer	(1)	88	
250 Beddington						
251 I.D. 252 I.D.						
253 283 I.D.			Forestburg	231	226	
276 I.D. (Pt.)	4,061	2,850				
278 Carbon	1,580					
279 Norquay 280 Rosebud					329	
281 Beaver Dam	2,327	2,282	Lougheed	195	217	
282 I.D.	1.085	953	Monitor			
308 Ghost Pine	2.023					
309 Stauffer 310 Mountain View	2,310			nnn		
311 Westerdale				190	180	
Banff National Park	358		Viking	491	480	
Banff				67,630	65,439	
Indian Reserves	1,859	1,882	Division No. 8			
Calgary	88.904	83,407		947	1,015	
Drumheller	2.748		338 Hays	2,702		
Towns:	1 863	040	339 Pine Lake			
Didsbury	892 435			4 0 000		
Gleichen Olds			367 Waverly	1.893	2,06	
Strathmore	560	531	396 Haig	1,554		
Three Hills		659				
Villages: Acme	285	291	398 Lamerton			
Acme Airdrie	191		426 Melrose	0.000		

Census Divisions and	Popula	ation	Census Divisions and	Popula	ation	
Municipalities and	1941	1936	Municipalities	1941	1936	
Notation No. 0 Continued:			Division No. 10	58,807	61,358	
Division No. 8—Continued: 427 Evergreen	2,730	2,788	451 Merton		1,948	
428 Water Glen	1,486	1,510	452 Grizzly Bear	1,368	1,553	
429 Fertile Valley	4,749	4,512	453 Buffalo Coulee	1,370	1,554	
456 Parkland	2,879	2,858	454 Lakeview 481 Wellington	1.794	2,124	
457 Lloyd George 458 Montgomery	3,486	3,553	482 Vermilion Valley		2,053	
459 Bigstone (Pt.)	3,777	3,452	483 Melberta	1,894	2,019	
Indian Reserves	1,242	1,199	484 Birch Lake	2,430 2,109	2,47	
Cities:	2.924	2.384	485 Patricia 486 Beaver Lake	3.094	3.16	
Red Deer Wetaskiwin	2,318	2,058	511 Streamstown		2,64	
Towns:			512 Ethelwyn	3,158	3,30	
Big Valley	291	359	513 Ukraine		3,36	
Camrose Daysland	2,598	2,263	514 Sobor 515 Norma		3.30	
Innisfail	1,223	1,124	516 The Pines	3,547	3,70	
Lacombe	1.603	1,414	545 Eagle	4.150	4,25	
Ponoka	1,306	1,045	546 Wostok 547 Leslie	4.653 3.598	4.73	
Stettler Villages:	1,235	1,604	Towns:			
Alix	360	333	Lloydminster (Pt.)	572	49	
Bashaw	494	423	Vegreville		1,67	
Bawlf	227 50	236	Vermilion Villages:	1,408	1,20	
Bittern Lake	113	105	Andrew	326	13	
Botha	111	98	Bruderheim	237	25	
Clive	224	242	Chipman	240	24 14	
Delburne	308 206	236 182	Derwent Holden	171 361	27	
Donalda Edberg	132	110	Innisfree		24	
Elnora	195	149	Islay	132	15	
Erskine	172	164	Kitscoty		25	
Ferintosh	169 141	120 139	Lamont Lavoy		15	
Gadsby	21	100	Mannville	396	37	
Halkirk	118	139	Minburn	129	13	
Millet	325	357	Mundare		77	
Mirror	570 169	585 177	Myrnam Ranfurly		11	
New Norway Ohaton	53	46	Ryley	323	26	
Penhold	183	94	Two Hills	210	-	
Niciolan No. 0	32,232	29,859	Willingdon			
Division No. 9	1,402	1,343	Division No. 11	149,193	139,01	
313, 314 I.D.	12	inne	459 Bigstone (Pt.)	39	2.93	
341 Poplar Grove	3,113		487 Cornhill 488 Black Mud		4.00	
342 Raven	2,254 833	2.242 846		1 000	4,99	
343 I.D.	72		490 Pioneer	3,619		
371 Golden West	2,622				1	
374, 375 I.D.	768		517 Clover Bar 518 Ştrathcona			
376 I.D. 400 Lorne	2.670		519 Spruce Grove	4.824		
401 Lochearn	3.037	2.913	520 Inga	3,013		
403 I.D.	437	363	521 Tomahawk	2,198	2 200	
430 Blindman	1,800					
431 Last West	1,898	The second		3.045		
433 I.D.	114		551 Morthen	2,635		
434 I.D.	240					
435 I.D.	8		Indian Reserves	997		
436 I.D. 460 Columbia	1.951		Cities:			
461 I.D.	1.486			. 93,817	85,7	
462 I.D.	440		Towns:	091	9	
463 I.D.	102		Beverly Fort Saskatchewan	981	100	
446, 465, 468 I.D. 466 I.D. (Pt.)	2.014			0.000	9	
466 I.D. (Pt.) Jasper National Park		nine.	Morinville	580		
Jasper	1,335	1.322	St. Albert	697		
Unorganized	4	1,094	Stony Plain Tofield			
Towns: Rocky Mountain House	800	652		001	1	
Villages:	1	1	Alberta Beach			
Bentley	279		Hay Lakes	154	1 1	
	234	270	Kapasiwin	17121		
Bowden					3	
Bowden Eckville North Red Deer	135	159	Onoway	150		

Garage Divisions and	Popul	ation	Census Divisions and	Popul	ation
Census Divisions and Municipalities	1941	1936	Municipalities Municipalities	1941	1936
Division No. 12	17,431	16,024	Division No. 14—Continued :		Facility
466 I.D. (Pt.)	1,803	1,704	638 Nelson	1,808 903	1,701 848
493 I.D. 495, 498, 524 I.D.	34 94	26	639 I.D. 640 I.D.	1.029	953
522 I.D.	2.004	1,728	665 I.D.	1,412	1,151
523 I.D.	99	87 24	667 I.D. 668 Grosmont	1,941	1,622 805
525 I.D. 526 I.D.	225	136	669 I.D.	281	212
527 I.D.	344	490	696 I.D.	695 588	506 572
528 I.D. 552 Pembina	2.667	2.431	697 I.D. 698 I.D.	63	34
553 I.D.	1,318	1,037	699 I.D.	476	459
554 I.D	1,001	870 733	726 I.D	489 57	396 86
556 I.D.	291	240	728 I.D.	79	26
558 I.D.		59	729 I.D	167	218
559, 560 I.D. 582 Kitchener	2,458	2,478	Athabasca	578	608
583 I.D.	889	759	Villages:	200	207
584 I.D.	690	574	Barrhead	399 160	307 153
585 I.D. 588 I.D.	7	*****	Lac la Biche	517	410
590 I.D. (Pt.)		*****	Legal Smoky Lake	462 430	394 428
612 I.D. 615 I.D.	409	472 18	Waskatenau		241
Towns:			Westlock	590	507
Edson	1,499	1,600	Division No. 15	17,484	15,739
Villages: Entwistle	218	150	590 I.D. (Pt.)	64	17176
Mayerthorpe	217	209	613 I.D.	149	182
Division No. 13	33,172	30,602	614, 618, 619, 646 I.D. 622, 623, 650, 651 I.D.	54	10000
541 I.D.	740	910	641 I.D.	875	804
542 Lincoln	1,221	1,249	642 I.D. 670 I.D.	8 42	22
543 Laurier 544 Champlain	3,066	3,141 2,399	675, 676, 677,678, 679 I.D.	1	*****
571 I.D.	359	267	700, 702, 704 I.D.	15 28	24
572 Bonnyville 573 St. Vincent	1,867 3,316	1,859 2,951	705 I.D.	416	292
574 St. Lina	1,347	1,146	707 I.D.		209
575 Vilna	0 4000	3,903	708 I.D. 709 I.D.	93	84
601 I.D. 602 I.D.	1,466	1,195	710 I.D.	83	82
603 I.D.		1,016	730 I.D. 731 I.D.	158	156 431
604 I.D. 605 Ashmont	1.993	1.814	732 I.D.	758	670
631 I.D.	1,007	951	733 I.D.	931	678
632 I.D.		5 44	734 I.D. 735 I.D.	93 248	112 164
633 I.D	280		736 I.D.	135	56
635 I.D.		915	737 I.D. 738 I.D.	730	61 621
663 I.D.		17 22	764 I.D.	1,087	1,420
666 I.D.	751	545	765 I.D.	1,384	1.176 534
695 I.D. Other Parts			766 I.D	114	84
Indian Reserves			794 I.D.	204	180
Towns:	1.019	950	795 I.D		802 2,791
St. Paul Villages:		300	825 I.D.	275	251
Bellis	128		826 I.D. 855 I.D.		764 577
Bonnyville Elk Point		433	Unorganized		148
Vilna	1 222	253	Indian Reserves	1.154	963
Division No. 14	47,899	45,790	Towns: Peace River	873	883
576 Smoky Lake	3.974	4,319	Villages:		004
577 Unity	4,798		Falher Grouard		284 185
578 Opal 579 Hazelwood		3,627			
580 Lockerbie	3,032	2,845	Division No. 16		29,204
581 Pershing 606 I.D.			739 Grande Prairie	2,622	2,815
607 I.D.	2,189	1,828	741 I.D.	1,644	1,599
608 Tawatinaw	2,256				466 661
609 Pibroch 610 Shoal Creek			770 I.D.	1.062	981
611 I.D.	1,088	909	771 I.D.	1,946	1,850
636 I.D. 637 Cartier					0.00

Census Divisions and	Popul	ation	Census Divisions and	Population		
Municipalities	1941	1936	Municipalities	1941	1936	
Division No. 16—Continued:			Division No. 16—Continued:			
800 I.D.	393	336	919 I.D.	80		
801 I.D.	93	173	920 I.D.	131		
827 I.D.	166	126	Indian Reserves	161	8	
828 I.D.	546	633	Towns:			
829 Spirit River	1.828	1,890	Grande Prairie	1,724	1,47	
830 I.D.	1.022	878	Villages:			
831 I.D.	538	520	Beaverlodge	331	20	
857 Peace	2,003	2,155	Berwyn	206		
858 Fairview	2,326	2,443	Clairmont	102	10	
859 I.D.	824	705	Fairview	432	39	
860 I.D.	10		Grimshaw	169	12	
861 I.D.	28		Hythe	247	26	
886 I.D.	516	497	Sexsmith	325	29	
887 I.D.	666	744	Spirit River	276	23	
888 I.D.	564	597	Wembley	188	17	
889 I.D.	681	574				
890 I.D.	62	58	Division No. 17	9,712	8,71	
891 I.D.	164	114	Remainder of the Province			
916 I.D.	900	237	comprising Northern Parts	7.205	5.46	
917 I.D.		338	Indian Reserves	2,507	3.24	

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, 1942

1	səğej.	Mari	9034	790	167	2406	712	154	2462	214	271	191	16	2009	387	152	40	104	28 45
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	ver	[izi	1975	160	212	494	210	1111	459	09	2153	26	18	370	61	27.28	10	10	113
	5 years and over	M.	3213	106	110	783	322	145	752	74	118	85	30	531	116	888	11	128	14
	years	E.	86	16	60 -	18	60	61 49	21	00	10 1	-1-	63	r- 63 i	-10-	-			11
	1-4 ye	M.	109	112	63	19	16	ক্ৰ	15.	11	1-1	- 4	23	t- 0	360-	- C3 FF	1	-	-
DEATHS	Under 1 year	Ei,	294	1-63	0 1-0	54	36	10	65	21	180	9	6	200	9 00 10	999		1.5	60.60
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		E.	2467	199	198	266	249	138	545	28	92	69	30	411	74	22.22	ro	120	16
	All Ages	M.	3724	345	122	876	379	107	8555	115	146	98	20	388	134	44	11	173	13
	4	Total	1609	194	183	1442	186	304	1400	204	241	167	80	999	208	128	16	25 25	36
	Still-	E.	0068	308	248	1668	842	215	1866	415	495	300	195	1232	444	130	17	131	36
Births	(Exclusive of births)	M.	9417	337	259	1784	820	227	2014	437	562	334	182	1329	471	128	25	147	37
	(Exclus	Total	18317	1957	507	3452	1665	442	3880	852	1057	634	377	2561	915	248	42	278	133
	Divisions, Cities and Towns		TOTAL FOR THE PROVINCE	No.	Division No. 4	No.	No.	Division No. 9	No.	No. 1	No. 1	No. 1	No. 1	CITIES: Calgary Drumheller	Lethbridge Medicine Hat	Red Deer Wetaskiwin	TOWNS: Blairmore	Cardston	Coleman

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TABLE 2.—BIRTHS (EXCLUSIVE OF STILLBIRTHS), BY MONTHS, CLASSIFIED AS RURAL AND URBAN, BY DIVISIONS IN ALBERTA, 1942

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Town of Blairmore
Cardston
Claresholm
Coleman
Macleod
Magrath
Raymond DIVISION No. 4-NANTON Rural DIVISION No. 5-ACADIA Rural Town of High River DIVISION No. 3-BOW Rural Town of Redcliff Town of Hanna ALBERTA Rural

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284 234 198 124 12	10 10	138 113 113 113 114 117 119 119	12258 28	335 315 315 315 111 15	56 141 142 101 101
269 411 2228 204 204 8	26	151 127 127 138 139 171 174 174	128889 33	317 286 286 112 123 124	95 10 122 0 95 10 10 10 10 10 10 10 10 10 10 10 10 10
302 51 251 14 10	76	143 255 222 222 266 266 113 167 7	24 82828 82828	288 288 288 288 288 288 13 13	68 54 14 14 92 92
284 46 238 210 20 8	62	131 105 105 121 122 123 131 131 131 131 131 131 131	44 %%%20 0	388 352 352 352 352 352 352 352 352 352 352	E 12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13
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299 42 257 233 11 13	22.22	848 828 828 828 828 828 828 838 838 838 83	94 82 E E E E E E E E E E E E E E E E E E	29 22 29 1 13 8 13 8 13 8 13 8 13 8 13 8 13 8 1	852 111 558
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3452 551 2901 228 112	718	1665 319 1346 248 248 278 221 221 45 133	942 972 972 327 211 116	2880 299 3581 3581 3581 172 94	852 710 142 142 1057
DIVISION No. 6—CALGARY Rural Urban City of Calgary Drumheller Town of Olds	DIVISION No. 7—BATTLE RIVER Rural	Buvision No. 8—RED DEER Rural Urban City of Red Deer Wetaskiwin Town of Camrose Innistail Lacombe Ponoka Stettler	DIVISION No. 9—ROCKY MOUNTAIN HOUSE Rural Bural Urban Town of Vegreville Vermilion	BIVISION No. 11—EDMONTON Rural City of Edmonton DIVISION No. 12—EDSON Rural Crban Crban Town of Edson	BIVISION No. 13—BEAVER RIVER Rural Urban Town of St. Paul BIVISION No. 14—STURGEON Rural

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December

TABLE 2.—BIRTHS (EXCLUSIVE OF STILLBIRTHS), BY MONTHS, CLASSIFIED AS RURAL AND URBAN, BY DIVISIONS,

November October 22 222 EE September 2827 282 1sn8ny 33 2246 33 Amr MONTHS 44 6824 888 aunc 38 8888 38 May 23 42 55 EE April IN ALBERTA, 1942-Continued 35 37 17 17 38 36 36 March 252 252 252 **E**ebruary 322 22396 331 January 431 431 250 250 377 Total DIVISION No. 15—CLEARWATER Rural DIVISION No. 16—PEACE RIVER Rural Urban DIVISION No. 17-ATHABASCA Rural Town of Grande Prairie

TABLE 3.—BIRTHS (EXCLUSIVE OF STILLBIRTHS) CLASSIFIED AS LEGITIMATE OR ILLEGITIMATE FOR THE PROVINCE AND IN CITIES OF 5,000 POPULATION AND OVER, 1942

	Total Births			Legitimate		Illegitimate			
Province and Cities	Total	Male	Female	Total	Male	Female	Total	Male	Female
TOTAL FOR THE PROVINCE	18317	9417	8900	17546	9012	8528	777	405	372
Calgary	2561	1329	1232	2390	1239	1151	171	90	81
Edmonton	3581	1854	1727	3291	1700	1591	290	154	136
Lethbridge	915	471	444	894	462	432	21	9	12
Medicine Hat	521	267	254	507	257	250	14	10	4

TABLE 4.—PLURAL BIRTHS CLASSIFIED TO SHOW THE NUMBER OF CHILDREN BORN ALIVE AND STILLBORN BY SEX, IN ALBERTA, 1942

Classification of Births				
CASES OF TWINS	210			
Two males (both living)	63			
One male and one female (both living)	81			
Two females (both living)	56			
One male living and one male stillborn One male living and one female still born	2			
One female living and one female still born	2			
One male and one female (both still born)	2 2 3 2			
Two females (moth stillborn)	1			
otal multiple births Number	210			
- Male	210			
Female	205			
Cotal single live births Number	17910			
Male	9206			
Female	8704			
otal single still births Number	324			
Male	170			
Female	154			
otal confinements	18444			

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	Other American Countries		
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	e	Other	
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		China	6 11 191 55 11 11 11 11
		Other	0 Hin
		Sweden	K 1211421 42 2
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		Roumania	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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		Poland	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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	obe	Netherlands	E
	Europe	Italy	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Hungary	20 1 2 2 3 2 5 1 3 3 2 2 2 1 3 3 2 2 2 2 1 3 3 3 3 3 3
		Germany	4 11 0 812 11 1
of Mother		Finland	
			0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Denmark	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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pla		Austria	e
Birthplace			8 HERRICO H 88 SHESHE 8
B	British Posses- anois	Other	10 101 101 01
		Newf'ndland	
	British Isles	Other	8 11 22 11 4 1 2 11 1
		Wales	
		Scotland	47 131 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15
		Ireland	
		England	4 302 122 122 14 4 172 15 10 10 10 10 10 10 10 10 10 10 10 10 10 1
		Prov. not Specified	
		British Columbia	11
	Canada	Alberta	7341 13 58 58 123 5519 5519 5719 73 573 573 573 573 573 573 573 573 573
		Gwan	23 24 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
		Saskatch-	22 4 1 1 1 6 6 6 9 1 1 1 1 1 1 1 1 1 1 1 1 1
		Manitoba	8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
		Quebec	6692 2577 1111 1111 1111 1111 1111 1111 1111 1
		Brunswick	24 161 340 382 1015 7341 2 1 2 3 3 3 13 13 13 13 13 13 13 13 13 13 13
		WeW	88 F211F2104 S100001 4 11
		Nova Scotla	0 1 1 0 0 1 1 0
=		P.E. Island	
		Total Fathers	11064 36 372 302 302 926 620 11110 1576 1578 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
		Birthplace of Father	CANADA Prince Edward Island Nova Scotia Nova Scotia Nova Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Isles England Ireland Scotland Vales Other British Possessions Newfoundland Other Austria Belgium Czechoslovakia Denmark Finland Grernany

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Hungary Italy Netherlands Norway Poland Roumania Russia (U.S.S.R.) Sweden Yugoslavia Other	Asia China Japan Other	United States Other American Countries Other Countries Unspecified	Children born to married mothers Children born to un- married mothers Children born to all mothers

TABLE 6.—BIRTHS (EXCLUSIVE OF STILLBIRTHS) CLASSIFIED ACCORDING TO AGES OF PARENTS, ALBERTA, 1942

		VITAL STATISTICS BRANCH
1	Not stated	
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N OF		Ukrainian	108 22 23 29 3	1595	20 6 4	31.0	3010	. 61	1	131	19	14
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		Norwegian	269 117 70 70	521	9 2 2 6	1 26	20 0	1-01	1	45	00 00	42
To	Origin	Flemish, Walloon, Netherland	222 86 64 68	143	24572	217	4 - 6	1 01	T	131	C4 K	3 6
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100000		English	2919 1607 504 724 84	896	105	1115	200	10	63	138	9	108
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7.—BIRTHS		i i	•									
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1551 34 34 21 21 70 15	752 62 25 10	17540 9012 8528	777 405 372	18317 9417 8900
Ukrainian Yugoslavic Other Chinese Chinese Hindu (East Indian) Japanese Syrian Other	Indian Jewish Negro Other races Unspecified	Children born to married mothers Total Male Female	Children born to unmarried mothers Male Female	Children born to all mothers Total Male Female
AS ON THE OWNER OF THE OWNER O	Indian Jewish Negro Other Unspec	9"	d'	du l

TABLE 8.—TOTAL LIVE BIRTHS AND LIVE BIRTHS IN INSTITUTIONS, SHOWING THE NUMBER OF MOTHERS NON-RESIDENT IN ALBERTA, 1942

	All Live Births	Births	In Ins	In Institutions
	Total	Mothers Non-resident in Province	Total	Mothers Non-resident in Province
Total for the Province	18,317	178	14,827	168

TABLE 9.—BIRTHS (EXCLUSIVE OF STILLBIRTHS) TO RESIDENT AND NON-RESIDENT MOTHERS AND BIRTHS IN INSTITUTIONS, IN CITIES OF 5,000
POPULATION AND OVER, IN ALBERTA, 1942

The state of the s												
		All 1	All Births			Births in	Births in Institutions	A. I. S.	Births	lsewhere t	Births elsewhere than in Institutions	titutions
Cities	Total	To	To mothers non- resident in city or town where birth occurred and	in city where irred and	Total	To	To mothers non- resident in city or town where birth occurred and	rrs non- in city where rred and	Total	To	To moth resident or town birth occ	To mothers non- resident in city or town where birth occurred and
		mothers	Resident in Province	Non-resi- dent in Province		mothers	Resident in Province	Non-resi- dent in Province		mothers	Resident in Province	Non-resi- dent in Province
Calgary Edmonton Lethbridge Medicine Hat	2561 3581 915 521	1908 2056 353 236	622 1487 559 252	33.38	2539 3550 909 499	1893 2036 349 230	615 1476 557 237	33 33 33 33	315 931 22 6	202	12217	

TABLE 10-ORDER OF BIRTH OF LEGITIMATE CHILDREN BORN IN 1942 (INCLUDING STILLBORN CHILDREN), BY ACE OF MOTHER

	Under 15 yrs.	20
	17 years	125
	18 years	2323 2579 44 1148 3 113 113 113 113 113 113 113 113 113
Age of Mother	15-19 years	1070 113 113 11 1 1 1 1 1 1
Mother	20-24 years	25573 12928 12928 1208 16 16 16 17 17 17 18
	S2-S9 years	5383 1626 1629 983 313 155 6 6 6
	30-34 Years	2225 5226 5226 611 611 71 71 71 71 71 71 71 71 71 71 71
	35-39 years	8865 2222 2222 2222 2222 2222 2222 2222
	45 years	8 242883412868348 24128
	45 years	28 22 22 22 22 23 24 24 26 26 27 27 27 27 27 27 27 27 27 27 27 27 27

TABLE 11.—DEATHS OF CHILDREN (EXCLUSIVE OF STILLBIRTHS) FROM CERTAIN SPECIFIED CAUSES IN FIRST YEAR OF LIFE BY SEX AND

CALENDAR		CAUSES OF DEATH		ALL CAUSES 6 Cerebrospinal meningitis 8 Scarlet fever 9 Whooping cough 10 Diphtheria 11 Eryspelas 13 Tuberculosis, other forms 24 Purulent infection and septicaemia 25 Tuberculosis, other forms 26 Purulent infection and septicaemia 27 Dysentery 28 Syphilis 38 Measles 39 Acute poliomyelitis and polioencephalitis 36 Acute poliomyelitis and mastoid process 37 Measles 38 Diseases of the thymus gland 38 Diseases of the larynx and mastoid process 39 Diseases of the buccal cavity and annexa and of the Diseases of the stomach 30 Diseases of the buccal cavity and annexa and of the Diseases of the stomach 310 Diarrhoea and enteritis 3110 Diarrhoea and enteritis 3120 Congenital malformations of the heart 3130 Acute nephritis 314-22 Tuberculosis 32 Measles 33 Measles 34 Diseases of the tear and mastoid process 35 Diseases of the buccal cavity and annexa and of the Diseases of the stomach 310 Diarrhoea and enteritis 3110 Diarrhoea and enteritis 3111 Diseases of the stomach 3120 Congenital malformations of the heart 3131 Congenital debility 3130 Acute nephritis 314-22 Tuberculosis 314-22 Tuberculosis 3150 Congenital debility 316-317 Congenital debility 317 Congenital debility 318 Congenital debility 318 Premature birth
R MONTH	Total under 1 year		Total	8 402 8 1 1 1 8 8 2 8 8 2 8 8 8 8 8 8 8 8 8 8
960	er	Je-	Fema	29 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
OF D		Tannaty	H	8 11 1 1 1 2 1 1 1 2 3 3 3 3 4 1 1 1 1 1 1 2 3 3 3 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
DEATH,		February	M. F.	8
IN AL		March	M. F.	8
ALBERTA.		HrqA	M. F.	8
. 1942	N	May	M	4 33 6 2 3 32 1 1 2 2 1 3 2 4
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	H OF	aung	fri fri	6 2022 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	DEATH	Lint	M. F.	T
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		September	F. M.	E
	-		F. M.	2
		October	14	2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
		Мочетрег	M. F.	8 1 1 1 1 1 1 1 1 1
		December	W.	2 1 1 2 1 4 1 1 2 1 4 5
- 11			Eq.	8

2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A PHYSICIAN, BY DIVISIONS AND CITIES, 1942	physician in attendance children to 1,000 live births	Without Not Number Rate per physician stated stillbirths births	125
22 22 22 22 23 25 25 25 25 25 25 25 25 25 25 25 25 25		Births with physician	With physician pl	244 252 262 263 265 265 265 265 265 265 265 265 265 265
40 01 00 0	OR WITHC	n under	Total	124 1042 2647 267 1148 1148 1148 1148 1148 1148 1148 114
00 jana	BIRTHS WITH OR WITHOUT	te of children ar of age to 1,000 births	Number of deaths	8887788888847888888778911111111111111111
80 4 8 HH 1-0 H		Death rate one year 1.0	Rate per 1000 births	28822555555555555555555555555555555555
160 Injury at birth 69 47 22 161 Other diseases peculiar to the first year of life 49 33 16 166-168 Homicides 3 2 1 169-195, 197 Other violent deaths 28 19 9 Other specified causes 6 2 4 199, 200 Ill-defined and unknown causes of death 16 16 16	TABLE 12.—INFANTILE DEATH AND STILLBIRTH RATES, ALSO NUMBER OF		Divisions and Cities	Division No. 1—Medicine Hat (City of Medicine Hat excepted) Division No. 2—Macleod (City of Lethbridge excepted) Division No. 4—Nanton Division No. 5—Acadia Division No. 5—Acadia Division No. 8—Red Deer (Cities of Red Deer and Wetaskiwin excepted) Division No. 9—Red Deer (Cities of Edmonton excepted) Division No. 11—Edmonton (City of Edmonton excepted) Division No. 12—Edaon Division No. 13—Beaver River Division No. 13—Beaver River Division No. 14—Sturgeon Division No. 16—Peace River Division No. 16—Peace River Division No. 17—Athabasca City of Lethbridge City of Lethbridge City of Lethbridge City of Medicine Hat City of Medicine Hat City of Wetaskiwin Divisions City of Wetaskiwin

SEX TABLE 13.—DEATHS OF CHILDREN (EXCLUSIVE OF STILLBIRTHS) FROM CERTAIN SPECIFIED CAUSES IN FIRST YEAR OF LIFE, BY 1942 AND AGE AT DEATH, IN ALBERTA,

9 01 .som 21 rebnu 10 11 months and M 10 months and under 11 mos. 10 01 10 봈 M.F. 9 months and under 10 mos. 8 months and under 9 mos. M.F. 23 201 7 months and under 8 mos. M.F. 00 OI 04 53 10 = 0.0 6 months and under 7 mos. 10 M. 10 M.F. 5 months and under 6 mos. 63 AT DEATH 4 months and under 5 mos. M.F. 17 0.1 64 00 17 18 Q1 M.F. : 00 014 3 months and 26 01 00 410 10 00 29 21 M.F. 2 months and under 3 mos. AGE 28 M.F. som 2 rebnu 8 33 I month and 01 03 M.F. 3 weeks and under I month 00 00 6 14 under 3 weeks M 15 Ξ I week and under 2 weeks 27 M 2 i day and under I week 82 M 23 14 Under I day 99 294 Total under 00 to 48 33 Female 402 M464 458 Male 561 171 2223 66 969 126-112 Total the 6 Cerebrospinal meningitis
8 Scarlet fever
9 Whooping cough
10 Diphtheria
11 Erysipelas
12 Tuberculosis, other forms
13 Tuberculosis, other forms
14 Purulent infection and septicaemia
15 Dysentery
16 Syphilis
17 Dysentery
18 Shillis
18 Influenza
19 Measles
10 Meningitis (non-meningococcal)
10 Meningitis (non-meningococcal)
11 Meningitis (non-meningococcal)
12 Convulsions
13 Diseases of the ear and of the mastoid process
15 Diseases of the larynx
16 Bronchopneumonia of Diseases of the buccal cavity and annexa and CAUSES OF DEATH pharynx and tonsils
Diseases of the stomach
Diarrhoea and enteritis
Acute nephritis Pneumonia ALL CAUSES 116-118 119 130 108

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TABLE 14.—TOTAL DEATHS (EXCLUSIVE OF STILLBIRTHS) AND DEATHS in INSTITUTIONS OF CHILDREN UNDER ONE YEAR OF AGE, CLASSIFIED ACCORDING TO RESIDENCE OF DECEDENTS, IN CITIES OF 5,000 POPULATION AND OVER, IN ALBERTA, 1942

elsewhere than in	Institutions	Non-resident in city where death occurred and	Residents Resident in Province Mon-resident in Province	Total Male Female Total Male Female Total Male Total	10 4 6 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ths	Deanis		IstoT	Total Male Female	11 4 7 7 5 2 1 1 1 2
	tions	Non-resident in city where death occurred and	Province Non-resident in Province	Female Total Male Female	2 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
in Treather	Deaths in Institutions	No.	Residents Resident in	Total Male Female Total Total	51 31 20 20 13 73 37 36 49 35 12 9 3 10 6 8 6 2 5 3
The state of	Death		IstoT	Total Male Female	73 46 275 123 73 507 22 15 77 15 11 4
10000	e year	Non-resident in city where death occurred and	Non-resident in Province	Female Male Male	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	All Deaths under one year	Non whe	Residents Resident in Province	Total Male Female Total Male	61 35 26 21 13 79 42 37 50 35 12 9 3 11 6 10 7 3 5 3
All Dead	All Deat		IstoT	Male Male Female	84 50 346 130 78 527 23 15 81 17 12 51
All Darks and to the total of t			Cittes	(opour	Calgary Edmonton Lethbridge Medicine Hat

TABLE 15.—TOTAL DEATHS (EXCLUSIVE OF STILLBIRTHS) AND DEATHS IN INSTITUTIONS OF CHILDREN UNDER ONE YEAR OF AGE, SHOWING

	7	All I	All Deaths under one year	nder one	year				In Institutions	tutions		
		Total		Non-res	ident in	Non-resident in Province		Total		Non-resident in Provinc	dent in	Province
	Total	Male	Male Female	Total	Male	Total Male Female Total Male	Total	Male	Female	Female Total Male Female	Male	Female
Total for the Province	969	402	294	9	10	1	455	270	185	9	10	1

TABLE 16.—POPULATION, BIRTHS, DEATHS, RATES AND SELECTED CAUSES OF DEATH (EXCLUDING INDIANS), BY MUNICIPALITIES (EXCLUDING CAUSE 16.—POPULATION, BIRTHS, DEATHS, TRANSFERRED TO REGULAR RESIDENCE, 1942

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Violent Deaths (suicides and homicides excepted)	-	112	-
Puerperal State		1	1
Nephritis (acute and	The sale of the first the		
Appendicitis		10.3	
Distributes and Entertits (over 2 years of age)			١
Diarrhoea and Enteritis (under 2 years of age)		5.2	
Pneumonia (all forms)		10.3	
Diseases of the Arteries	1+1111111111111111111111111111111111111	10 3	
(smrot Heart Diseases (all forms)	H 0 0 0 0 1 1 1 1 1	28	
Apoplexy, Cerebral Haemorrhage & Thrombosis	111 unu 11 u 11 u 11 unu 10	11 26.8	
salmeanA			
Diabetes	-111111111111111111111	10.3	- 1
Cancer (all forms)	1 1 1 2 1 1 2 1 1 4 1 1 1	11	
Tuberculosis (other forms)		3	-
Pulmonary Tuberculosis		1 5.9	
Meningococcic Meningitis			
Acute Pollomyelitis		1	
ezuənijui		1 2	
Diphtheria			1
Whooping Cough		1	1
Scarlet Fever		1	
Mensles			
Typhoid and Paratyphoid		7	
Number of Stillbirths		4	2000000
Infant Morfality Rate (per 1,000 births)		17.9	
Number of Deaths (under I year)	111111111111111111111111111111111111111	90	
Death Rate per 1,000 Population	35.1 6.8 1.4 1.4 1.6 6.7 1.6 6.7 1.6 6.7 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	10	
Number of Deaths	21 100 4 4 8001 05255	101	
Birth Rate per 1,000 Population	35 11428 1151 1151 1151 1151 1151 1151 1151 11	23.0	
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VITAL STATISTICS BRANCH

TABLE 16.—POPULATION, BIRTHS, DEATHS, RATES AND SELECTED CAUSES OF DEATH (EXCLUDING INDIANS), BY MUNICIPALITIES (EXCLUDING CAUSE 16.—POPULATION, BY MUNICIPALITIES (EXCLUDING CAUSE 16.—Population of the continued causes of the continued causes of the caus

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190000 Population 1942 1942 1943 1	Diseases of the Arterles		10	11.8
190,000 Population, 1942 194,000 Population, 194,000 Populatio	Heart Diseases (all forms)	01 48867 486677	85	2002
1900000 Population 1942 1942 1943 1943 1943 1944 1945	Apoplexy, Cerebral Haemorrhage & Thrombosis		24	56.5
100,000 Population 1942 1942 1943 1943 1943 1944 1945	Anaemias	100	65	7.1
100,000 1942 1942 1942 1942 1943 1943 1943 1944 1945			6	
100000 Population 1942 25 25 25 25 25 25 25	Cancer (all forms)	11119841 40691	39	
100000 Population 1942 1943 1944 1945 1	Tuberculosis (other forms)			
100,000 Population 1942 123,000 Population 1942 123,000 Population 1942 123,000 Population 1942 123,000 Population	Pulmonary Tuberculosis	- 2	9	14.1
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100,000 Population 1942 12,23 13,43 14,49 1084 12,23 13,43 1	Acute Poliomyelitis			
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100,000 Population 1942 12,000 Population, 1942 13,100 Population, 1942 13,100 Population, 1942 13,100 Population	Whooping Cough			-
100,000 Population 1942 1943 1944 1945	Scarlet Fever		1	-
100,000 Population 1942 1943 1944 1945	Measles		-	
1000 Population 1942 1943 1944 1945 194	Typhoid and Paratyphoid		1	53
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LUDING TABLE 16.-

ALITIES (EXCLI	
BY MUNICIPALITIES	
XCLUDING INDIANS),	1942—Continued
SES OF DEATH (E	ESIDENCE,
AND SELECTED CAU	ANSFERRED TO REGULAR RI
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TION, BIRTHS, D	
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DIVISION No. 5-ACADIA

Death Rate per 100 000 Population and Perentical Scatters and Entertities and	suq pomicides excepted)	01 HH 19	671
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### Appendix No. Ph.			
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### Rate per 100,000 Population ### Part per 100,000 Population #### Part per 100,000 Population ##### Part per 100,000 Population ##### Part per 100,000 Population ##### Part per 100,000 Population ###### Part per 100,000 Population ###################################	Appendicitis	111111111111111111111111111111111111111	
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### Rate per 100,000 Population ### Rate per 100,000 Population ### Rate per 100,000 Population ### Rate per 10,000 Population #### Rate	Pneumonia (all forms)	1111111118	
### Rate per 100 000 Population	Diseases of the Arteries	7	
th Rate per 100 000 Population and Perculosis (Other forms) The Rate Perculosis (Other forms) The Perculosis (Other forms)	Heart Diseases (all forms)	1 0001000001 6	
th Rate per 100 000 Population at Paratyphoid at Part forms) The Part of Part	Apoplexy, Cerebral Haemorrhage & Thrombosis	4	
the Rate per 100,000 Population and			
### Rate per 100,000 Population Totals ### Rate per 100,000 Population ### Rate per 100,000 Population #### Rate per 100,000 Population ##### Rate per 100,000 Population ##### Rate per 100,000 Population ###################################	Diabetes	N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
### Rate per 100,000 Population ### Rate per 100,000 Population #### Rate per 100,000 Population #### Rate per 100,000 Population ###################################	Cancer (all forms)	10 12 213 1	
## Rate per 100,000 Population Totals 190,000 Population The per 100,000 Population	Tuberculosis (other forms)		
### Rate per 100,000 Population Totals 1908 293 12 12 13 10 10 10 10 10 10 10	Pulmonary Tuberculosis		
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th Rate per 100,000 Population Totals 1100 Population The per 100,000 Population Th	Acute Poliomyelitis	1111111111	-
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## Rate per 100,000 Population ### Rate per 100,000 Population #### Rate per 100,000 Population ###################################	Diphtheria		
## Pate per 100,000 Population ### Rate per 100,000 Population #### Rate per 100,000 Population #### Rate per 100,000 Population ###################################	Whooping Cough		110
th Rate per 100,000 Population ath Rate per 100,000 Population Aumicipality Mo. Mumicipality Mo. M	Scarlet Fever	111111111111111111111111111111111111111	10.5
th Rate per 100,000 Population ath Rate Per 100,000 Population a	Measles		100
th Rate per 100 000 Population ath Rate per 100 000 Population Aumber of Births Mumber of Deaths Mumber of Stillbirths St. 117.8	Typhoid and Paratyphoid		1
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TABLE 16.—POPULATION, BIRTHS, DEATHS, RATES AND SELECTED CAUSES OF DEATH (EXCLUDING INDIANS), BY MUNICIPALITIES (EXCLUDING CITIES, TRANSFERRED TO REGULAR RESIDENCE, 1942—Continued

DIVISION No. 8-RED DEER

VIIAL SIA	IISTICS BRANCH	
Violent Deaths (suicides and homicides excepted)		30.6
Puerperal State		65 80
Nephritis (acute and chronic)	u u W umu 4 uu	18
Appendicitis		11.3
Diarrhoes and Enteritis (over 2 years of age)		
Distriboes and Enteritis (under 2 years of age)		62 63
Pneumonia (all forms)	H 0044440 H 000	16
Diseases of the Arteries		9
Heart Diseases (all forms)	-440001000400 OUSTON	1188.5
Apoplexy, Cerebral Haemorrhage & Thrombosis	10 000 1000 1000	53.2
seimsenA	111112111111111111111111111111111111111	6.4
Diabetes	11144 144 14 1114	9.7
Cancer (all forms)	000000000000000000000000000000000000000	48 45
Tuberculosis (other forms)		21 21
Pulmonary Tuberculosis	111111111111111111111111111111111111111	0.8
Meningococcic Meningitis		
Acute Poliomyelitis	THE THE PARTY OF T	1
ezuənijui		14.5
Diphtheria		1
Whooping Cough		1.6
Scarlet Fever	11 01 11 11 11 11 11	62 63
Measies		
Typhoid and Paratyphoid	mannanni	
Number of Stillbirths	1 1100000111 0 0111	23
(per 1,000 births)		29.7
(under I year) Infant Mortality Rate		39 2
Number of Deaths		6.6
Death Rate per 1,000 Population		
Number of Deaths		ation at
Birth Rate per 1,000 Population		Popula
Number of Births		1311 .000 P
Population, 1942	1418 1258 3220 2755 3822 1644 3381 1780 1780 1780 3691 3691 3701 3895 3895 3895 3895 3895 3895 3895 3895	Totals 62050 1311 21.1 40° Death Rate per 100,000 Population
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TABLE 16.—POPULATION, BIRTHS, DEATHS, RATES AND SELECTED CAUSES OF DEATH (EXCLUDING INDIANS), BY MUNICIPALITIES (EXCLUDING CONTINUED).

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	Violent Deaths (suicides and homicides excepted)	24488481	24	40.3
	Puerperal State	" : ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	64	3.3
	Nephritis (acute and chronic)		00	13.4
	Appendicitis	7	10	8.4
	Diarrhoes and Enteritis (over 2 years of age)	THE STATE OF THE S	111	
	Diarrhoea and Enteritis		NO.	8.4
	Pneumonia (all forms)	1 1014404	12	20.1
	Diseases of the Arteries	7 111111	10	8.4
	Heart Diseases (all forms)	1202021	107	179.5
	Apoplexy, Cerebral Haemorrhage & Thrombosis	0HH104404	335	58.7
	Anaemias	THE HILL	-	1.7
	Diabetes	111111171	6.0	5.0
	Cancer (all forms)	88464 818	43	72.1
per	Tuberculosis (other forms)		63	3.3
ontine	Pulmonary Tuberculosis	1 21 11	1-	11.7
A-C	Meningococcic Meningitis			
FORI	Acute Poliomyelitis		-	
No. 10-VICTORIA-Continued	ezuənijui	71111111	64	60.00
Vo. 10	Diphtheria		11111	4
ION	Whooping Cough		-	
DIVISI	Scarlet Fever		1000	
0	Measles		100	
	Typhoid and Paratyphoid		100	-
	Number of Stillbirths	1400011	22	-
	Infant Mortality Rate (per 1,000 births)	320.0 320.0 320.0 320.0 320.0 320.0 320.0	32.8	To constitution of
	Number of Deaths (under I year)	44400000	38	
	Death Rate per 1,000 Population	446888898	5.9	
	Number of Deaths	114 221 32 32 31 36	353	ion
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VITAL STATISTICS BRANCH

TABLE 16.—POPULATION, BIRTHS, DEATHS, RATES AND SELECTED CAUSES OF DEATH (EXCLUDING INDIANS), BY MUNICIPALITIES (EXCLUDING CITIES, TRANSFERRED TO REGULAR RESIDENCE, 1942—Continued

DIVISION No. 13-PEACE RIVER

Whooping Cough Influenza Influenza Acute Poliomyelitis Acute Poliomyelitis Acute Poliomyelitis Acute Poliomyelitis Acute Poliomyelitis Diabetes Anaemias Anaemias Anaemias Apoplexy, Cerebral Biarrhoea and Entertles Anaemias Anaemias	VIIAL SI	IIIIoiico Dimicii	
The control of the		-	34.5
Municipality No. Municipalit	Puerperal State	7	6.3
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Totals 1996 1997 1997 1998		(10)	18.8
Totals 1996 1997 1998		1 1 0000 01 11 1 1 1 1 1 1 1 1 1 1 1 1	59.5
Totals 198 23 23 23 23 23 23 23 2	Diseases of the Arteries	7	6.3
Totals 198 23 23 23 23 23 23 23 2	Heart Diseases (all forms)	20 14 7010 1011 1 2	87.0
Totals T	sisodmorfT & 9gedriomesH		28.2
Hare per 1989 198			3.1
Harte per 100	Diabetes		12.5
Totals 1988 1989	Cancer (all forms)	10 600001111 01 100	59.5
Totals 1988			3.1
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Part	Meningococcic Meningitis		3.1
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Totals Tot	Influenza		
Totals 12 28 38 68 21 25 28 28 29 21 25 28 28 20 20 20 20 20 20 20 20 20 20 20 20 20	Diphtheria		
Totals 33.55.000 Population Part 1.000 Population 1.0000 Populatio	Whooping Cough		
Totals. Totals	Scarlet Fever		3.1
Totals Totals 10000 Population Totals 11228	Measles		-
Totals To	Typhoid and Paratyphoid		-
Totals To	Number of Stillbirths	0	- Constitution
Totals To	Infant Mortality Rate (per 1,000 births)	35.0 35.0 35.0 33.3 33.3 33.3 33.3 33.3	-
Totals Totals Totals			-
Totals To		044702 12744704 08800 884441671484 91 888	- Contraction
Totals Rate per 100,000 Popular	Number of Deaths	26 22 25 25 26 27 20 20 20 20 20 20 20 20 20 20 20 20 20	tion
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TABLE 16.—POPULATION, BIRTHS, DEATHS, RATES AND SELECTED CAUSES OF DEATH (EXCLUDING INDIANS), BY MUNICIPALITIES (EXCLUDING CITIES, TRANSFERRED TO REGULAR RESIDENCE, 1942—Continued

DIVISION No. 15-CLEARWATER-Continued

Violent Deaths (suicides and homicides excepted)		13
Puerperal State		12.0
Mephritis (acute and chronic)		10
Appendicitis		12.0
Distributes and Enteritis (over 2 years of age)		
Distriboes and Enteritis		6.0
Pneumonia (all forms)		24.1
Diseases of the Arteries		12.0
Heart Diseases (all forms)	21 21 14	108.4
Apoplexy, Cerebral Haemorrhage & Thrombosis		3 18.1
SeimenA		6.0
Dispetes		6.0
Cancer (all forms)		36.1
Tuberculosis (other forms)		
Pulmonary Tuberculosis		6.0
Meningococcic Meningitis		
Acute Poliomyelitis		
Influenza		12.0
Diphtheria		6.0
Whooping Cough		
Scarlet Fever		
Measles		
Typhoid and Paratyphoid		
Number of Stillbirths	111111111111111111111111111111111111111	00
Infant Mortality Rate (per 1,000 births)	500.0 1.1 15.6 66.7	27.7
(under I year)		10
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Population	35.1 35.1 35.1 19.0 8.0 8.0 8.0 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3	21.7
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DIVISION No. 17-ATHABASCA

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TABLE 16.—POPULATION, BIRTHS, DEATHS, RATES AND SELECTED CAUSES OF DEATH (EXCLUDING INDIANS), BY CITIES, 1942—TRANSFERRED TO REGULAR RESIDENCE

-	Violent Deaths (suicides and homicides excepted)	37	38.9	65	73.1	=	74.2	10	93.4
	Puerperal State	1	1.0	- 00	8.9		6.7	-	9.3
	Nephritis (acute and chronic)	28	29.4	44	48.9	10	33.7	9	56.0
	Appendicitis	10	5.2	-	7.9	-	6.7	101	1000
	Diarrhoea and Enteritis (over 2 years of age)			1	1.1	1000		1000	
	Diarrhoes and Enteritis (under 2 years of age)	00	8.4	63	2.2	-	-	60	28.0
	Pneumonia (all forms)	39	41.0	37	41.1	4	27.0	63	18.7
	Diseases of the Arteries	20	21.0	23	25.6	6.0	20.2	10	46.7
	Heart Diseases (all forms)	209	219.8	266	295.8	37	249.6	26	242.8
	Apoplexy, Cerebral Haemorrhage & Thrombosis	63	66.2	69	77.9	17	114.7	6	84.1
	ssimssnA	1	1.0	63	65	1	6.7	1	9.3
	Diabetes	16	16.8	14	15.6	4	27.0	63	28.0
1	Cancer (all forms)	119	125.1	125	13.9	19	128.2	14	130.8
	Tuberculosis (other forms)	00	8.4	63	2.2	1000	-		
	Pulmonary Tuberculosis	20	21.0	21	23.3	1	6.7	*****	
	Meningococcic Meningitis	1	1.0	1	1.1	1000	1	1	9.3
ES	Acute Poliomyelitis	1000	100	-		100			
CITIES	gzuənţju	00	8.4	4	4.4	4	27.0	. 2	18.7
	Diphtheria	-23	2.1	6.3	65.53		1000	*****	******
	Whooping Cough	63	3.1	1	1.1		100	1111	-
	Scarlet Fever			1	1.1		100	1000	****
	Measles			To the last	-			1919	Control Control
	Typhoid and Paratyphoid		1000	*****			1000	*****	0000
	Number of Stillbirths	41		47		- 6		9	-
	Infant Mortality Rate (per 1,000 births)	40.4	Common or other Park	34.1	-	39.7	- Contraction	46.6	
	Number of Deaths (under I year)	83	oten man	65		14		111	
	Death Rate per 1,000 Population	00	-	9.7		9.6		9.4	Manual Section
	Number of Deaths	186	ion	872	ion	143	ion	101	ion
	Birth Rate per 1,000 Population	21.6	pulat	21.2	pulat	23.8	pulat	22.0	pulat
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	Cities	Edmonton	Death Rate per 100,000 Population	Calgary	Death Rate per 100,000 Population	Lethbridge	Death Rate pe	Medicine Hat 10706	Death Rate per 100,000 Population

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eer	Death Rate per 100,000 Population	Drumheller 2811 104 37.0 41 14.6 8 76.9	Death Rate per 100,000 Population		Wetaskiwin 2361	Death Rate per 100,000 Population
Red Deer	Death	Drumh	Death		Wetash	Death

TABLE 17.—CAUSES OF DEATH BY SEX AND AGE FOR THE WHOLE PROVINCE, 1942

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	100 years	201-		
	95-99 years	8 8		
	90-94 years	89 41	4 4	
	82-89 years	230 126 104	00 44	
	80-84 years	435 246 189	150	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	75-79 years	575 367 208	91 9	
	70-74 years	387	13 13	111111111111111111111111111111111111111
	65-69 years	617 403 214	24 16 8	111111111111111111111111111111111111111
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	20-24 years	312 198 114	14	
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	32-39 years	89 89 59	2148	1
	30-34 years	127	31 12 19	1388 1499
	25-29 years	155	222	100
	20-24 years	108	18	1 1 1 1 1 1 1 1 1 4 5 1 4 6 1 4 6 1 1 4 6 1 1 1 1 1 1 1 1 1 1
	12-19 years	105	30	######################################
	10-14 years	330	20 7	111111111111111111111111111111111111111
	2-9 years	426 98	222	11111104 4 10 11 9640 1 4
	4 years	15 15	00 44	111111111111111111111111111111111111111
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	Under I year	696 402 294	222	
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	CAUSES OF DEATH	DEATHS—ALL CAUSES	CLASS L-INFECTIOUS AND PARASITIC DISEASES	1 Typhoid fever Femal 2 Paratyphoid fever Femal 5 Undulant fever Male 6 Cerebrospinal meningitis Femal 8 Scarlet fever Femal 9 Whooping cough Male 10 Diphtheria Male 11 Erysipelas Femal 12 Tetanus Male 13-22 Tuberculosis of the respiratory system Sub-total Male 13-22 Tuberculosis of occupational diseases of lungs Male 14 Femal 15 Total Male 16 With mention of occupational diseases of lungs Male 16 Male 17 Male 18 Femal 19 Male 19 Male 19 Male 10 Male 10 Male 11 Femal 12 Femal 13 Male 14 Femal 15 Femal 16 Male 17 Male 18
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Unspecified site With mention of dementia praccox erculosis of the meninges and central nervor system erculosis of the intestines and peritoneum erculosis of the bones Tuberculosis of the joints erculosis of the joints erculosis of the lymphatic system (bronchia mesenteric, mediastinal and retroperitone glands excepted) erculosis of the genito-urinary system erculosis of other organs Acute generalized miliary tuberculosis other and unspecified generalized tuber- culosis ulent infection and septicaemia nococcus infection er diseases due to bacteria er diseases due to parasitic protozoa hillis Locomotor ataxia (tabes dorsalis) General paralysis of the insane	
Unspec With n With n erculosi system erculosi celulas erculos mesent glands erculos erculos erculos erculos erculos erculos erculos er culosis ulent is ulen	1
(d) With mention of dementia praecox Tuberculosis of the meninges and central nervous system Tuberculosis of the vertebral column Tuberculosis of the bones (a) Tuberculosis of the bones Tuberculosis of the jumphatic system (bronchial, mesenteric, mediastinal and retroperitoneal glands excepted) Tuberculosis of the genito-urinary system Tuberculosis of the genito-urinary system Tuberculosis of the genito-urinary system Tuberculosis of other organs (b) Other and unspecified generalized tuberculosis (a) Acute generalized miliary tuberculosis (b) Other and unspecified generalized tuberculosis Conococcus infection Other diseases due to bacteria Other diseases due to bacteria Other diseases due to parasitic protozoa Syphilis (b) General paralysis of the insane	-
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TABLE 17.—CAUSES OF DEATH BY SEX AND AGE FOR THE WHOLE PROVINCE, 1942—Continued

		VITAL STATISTICS BRANCH
1	Not stated	
	100 years	
	92-99 years	
	90-94 years	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	85-89 years	404-604
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	20-24 years	
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	20-24 Aests	
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		(d) Other syphilis of the central nervous system (d) Others under this title Other diseases due to spirochaetes Influenza Influenza (a) With respiratory complications Small-pox Measles Acute poliomyelitis and polioencephalitis (a) Rabies (b) German measles (c) Chicken-pox (d) Other diseases due to filterable viruses (c) Rocky mountain spotted fever Hydatid disease Other diseases due to helminths Mycoses
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(Hodgkin's disease) Male 10 Female 10 Female 3 Male 4 Female 4 Female 4 Female Female 7	Total Male Female	Male Female Male Female	Cancer of the oesophagus Male Female Of the stomach Female Female	Of the duodenum Male Female Of the rectum and anus Male	Of the intestines Table 60 Male 60 Female 39	Of the pancreas Male 18	Of the mesentery and peritoneum	Cancer of the Larynx Maile Female	Of the lung Male Female	Cancer of the cervix	T	Female	Male Female Male	Male 12 Female 4
(a) Other venereal diseases (b) Lymphogranulomatosis (Hodgkin's disease) (c) Mumps (d) Other infectious and parasitic diseases (e) Male (female) (female) (female) (halomatosis (Hodgkin's diseases) (halomatosis (Hodgkin's disease) (halomatosis (Hodgkin's dis	Total Male Female	Cancer and other malignant tumours Female Female Cancer of the buccal cavity and pharynx Male Female	(a) Cancer of the oesophagus Female (b) Of the stomach Female	Of the duodenum Male Female Of the rectum and anus Male 22	Of the intestines Table 60 Male 60 Female 39	Of the pancreas Male 18	Female Male Female	(a) Cancer of the Larynx Maile Female	Of the lung Male Female	(c) Of the Mediastinum and other sites and Female (a) Cancer of the cervix Female	Of other and unspecified sites of the uterus Female	Cancer of other female organs Female	Cancer of the breast Male Female Cancer of the male genital organs Male	(a) Cancer of the kidney Male 12 Female 4
(Hodgkin's disease) Male 10 Female 10 Female 3 Male 4 Female 4 Female 4 Female Female 7	le le	Male Female Male Female	Cancer of the oesophagus Male Female Of the stomach Female Female	Of the duodenum Male Female Of the rectum and anus Male	Of the intestines Table 60 Male 60 Female 39	Of the pancreas Male 18	Of the mesentery and peritoneum	Cancer of the Larynx Maile Female	Of the lung Male Female	Cancer of the cervix	Of other and unspecified sites of the uterus Female	Female	Male Female Male	Male 12 Female 4

TABLE 17.—CAUSES OF DEATH BY SEX AND AGE FOR THE WHOLE PROVINCE, 1942—Continued

		VITAL STATISTICS BRANCH	
	Not stated		11
	and over		11
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	90-94 years		TI
	85-89 years	Nr	11
	80-84 years		11
	12-19 years		-
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	65-69 years	8H NHN NN H H H H H H H	
	60-64 years		
	22-29 years	9-1 1 1 1 1 1 1 1 1 1	T
	20-24 years	0 0 = 0 = = 0	T
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	32-39 years		11/15
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	52-59 years		11
	20-24 years		11
	15-19 years		TI
	10-14 years	ir and an arman	11
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	Under I year		11
	Total	84 9000000000000000000000000000000000000	-
		Male Female	Male
	CAUSES OF DEATH	(b) Of the bladder (c) Of other and unspecified sites of the ur organs Cancer of the skin Cancer of the brain Cancer of other and unspecified organs Non-malignant tumours (a) Of the ovary (b) Of the uterus (c) Of other female genital organs (d) Of the brain and other parts of the centumours of undetermined nature (e) Of other and unspecified organs Tumours of undetermined nature (a) Of the ovary (b) Of the uterus (c) Of other female genital organs (d) Of the brain and other parts of the centumours of undetermined nature	(e) Of other and unspecified organs
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	70-74 years	1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
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	62-69 years	
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Simple meningitis Acute cerebrospinal meningitis asses of the medulla and spinal cord acranial lesions of vascular origin Cerebral haemorrhage of effusion Cerebral embolism and thrombosis Cerebral softening Hemiplegia and other paralysis of unspecified origin With mention of arteriosclerosis alysis of the insane excepted) Others under this title tepsy vulsions (under 5 years of age) others under this title epsy vulsions (under 5 years of age) others under this title Chorea Neuritis Paralysis agitans Disseminated sclerosis Others under this title cases of organs of vision Others under this title
(a) Simple meningitis (b) Acute cerebrospinal meningitis Diseases of the medulla and spinal cord Intracranial lesions of vascular origin (a) Cerebral embolism and thrombosis (c) Cerebral softening (d) Hemiplegia and other paralysis of u origin (e) With mention of arteriosclerosis Mental disorders and deficiency (gen alysis of the insane excepted) (a) Schizophrenia (dementia praecox) (b) Others under this title Epilepsy Convulsions (under 5 years of age) Other diseases of the nervous system (a) Chorea (b) Neuritis (c) Paralysis agitans (d) Disseminated sclerosis (e) Others under this title (e) Others under this title (a) Disseminated sclerosis (b) Diseases of organs of vision (a) Otitis and other diseases of the ear (b) Diseases of the mastoid process
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		VI.	TAL STATISTICS BRANCH
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	92-99 years	61 61	
	90-94 years	26 20 20	118 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	82-89 years	32.28	28
	80-84 years	8693	867 1 1 2 6 6 4 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1
	75-79 years	8233	46 - 8100 0000F40 00
	70-74 years	227 158 69	1 1 1 44 44 44 44 11 11 11 11 11 11 11 1
	62-69 Уевгя	157	14
	60-64 years	198	201111111111111111111111111111111111111
	22-23 Aests	584	24 2 2 2 2 2 4 1 2 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	20-24 years	282	28
AGES	45-49 years	1343	84
AG	40-44 years	1881	201 10 20 11 10 10 10 10 10 10 10 10 10 10 10 10
	32-39 years	17	ealiuu uulili kolo koliulliull
	30-34 years	8 4 2	40 14 11 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	25-29 years	141	69 11 1 1 1 1 1 1 1 1
	20-24 years	-1 - 00	
	12-19 years	100001	
	10-14 years	9-10	
	2-9 years	2101	
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	Under I year	111	TELLI IIIII IIII IIII IIIIIIII
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	CAUSES OF DEATH	CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM	Diseases of the heart (b) Pericarditis (acute rheumatic excluded). Acute endocarditis (non-rheumatic) (a) Bacterial endocarditis (acute, subacut unspecified) (b) Other acute or subacute endocarditis (c) Endocarditis (not specified under 45 yeard endocardium (a) Specified valvular diseases (rheumatic) (b) Other specified valvular lesions and endocardium cheumatic) (c) Unspecified valvular lesions and endocardite myocarditis (a) Acute myocarditis (b) Myocarditis (not specified under 45 yeard) (c) Chronic myocarditis and myocardial degation (rheumatic)
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(d) Chronic myocarditis (non-rheumatic) (e) Other myocarditis (not specified)	Diseases of pectoris	(a) A		(a) F	(b) Other diseases of the heart (rheumatic)	(c) C	Aneurysm (heart and aorta excepted)	Arteriosclerosis (coronary or renal scierosis cerebral haemorrhage excepted)	Gangrene	Other diseases of the arteries	Diseases of the veins	Diseases of the lymphatic system	High blood pressure (idiopathic)	Other diseases of the circulatory system	VIII.—DISEASES OF SYSTEM	Diseases of the nasal factorial Diseases of the larynx (a) Bronchitis, acute
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TABLE 17.—CAUSES OF DEATH BY SEX AND AGE FOR THE WHOLE PROVINCE, 1942—Continued

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	62-69 years	-	111	010	200	11	-	0.0	1 1	11		III	11		-		1223
	60-64 years		11	0	- 04	III	1			11	1	-	-		11	-	31
	22-29 years	-	11	4010	3 63	11	-		-	-	-	11	11		11	-	183
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		(b) Bronchitis, chronic	Br	Broncho pneumonia	Lobar pneumonia	Pneumonia (unspecified)	(a) Empyema	(b) Other forms of pleurisy	Ha	(b) Other congestion and oedema of the lungs	Asthma	Pulmonary emphysema	(a) Silicosis	(b) Other and unspecified forms of pneumo-	(c) Gangrene of the lung	(d) Other diseases of the respiratory system	IQ-
		(b)	(0)	Bro	2	Pm	(a)	(b)	(a)	(b)	Ast	Pul	(a)	(b)	(c)	(p)	X
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																	CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM

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Diseases of the teeth and gums Septic sore throat Diseases of the pharynx and tonsils Other diseases of the buccal cavity sases of the oesophagus Ulcer of the stomach Ulcer of the stomach Ulcertaion of the intestines (under 2 years of age and over) Diarrhoea and enteritis (2 years of age and over) Ulceration of the intestines (2 years of age and over) Ulceration of the intestines (2 years of age and over) Ulceration of the intestines (2 years of age and over) Ulceration of the intestines Cirrhosis of the liver with mention of alcoholism Acute yellow atrophy of the liver Other diseases of the liver Other diseases of the liver	ases
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(a) Diseases of the teeth and gums (b) Septic sore throat (c) Diseases of the pharynx and tonsils (d) Other diseases of the buccal cavity Diseases of the oesophagus (a) Ulcer of the stomach (b) Ulcer of the duodenum Other diseases of the stomach (a) Diarrhoea and enteritis (under 2 years of age) (b) Ulcertaion of the intestines (under 2 years of age) (b) Ulceration of the intestines (2 years of age and over) (b) Ulceration of the intestines (2 years of age and over) (b) Ulceration of the intestines (a) Hernia (b) Intestinal obstruction Other diseases of the liver with mention of alcoholism (a) Cirrhosis of the liver without mention of alcoholism (a) Acute yellow atrophy of the liver (b) Other diseases of the liver (b) Other diseases of the liver	Other diseases of the gall-bladder and bile ducts
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TABLE 17.—CAUSES OF DEATH BY SEX AND AGE FOR THE WHOLE PROVINCE, 1942—Continued

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	Not stated	1111	111	
	and over	TITTE		
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	80-84 years		36 3	12000011 0 1 1
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	70-74 years		238	1 1 2 1 1 2 1 1 2 1 1 2 1 2 1 2 1 2 1 2
	65-69 years	100	-	
	60-64 years		1588	1 250001
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	40-44 years	1111	844	1001 64 11 1
	32-39 years		10 4	
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	25-29 years	- HA	9274	HOME I I I I I I I I I I I I I I I I I I I
	20-24 years		1-40	- N- - - - -
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	CAUSES OF	ses of the pancri	SEASES OF THE	nic nephritis ritis unspecifie r diseases of the urina ses of the urina ses of the proses of the meneral) riseases of ovarietria (non-veriseria (non-veriseases of the presentation)
	CAUSES OF	seases of the pancri- ritonitis without sta	-DISEASES OF TH	rute nephritis ronic nephritis sphritis unspecified (over ther diseases of the urinary passeases of the urethra, ur seases of the prostate seases of the male gen venereal) Diseases of ovaries, Fal inetria (non-venereal)
	CAUSES OF	Diseases of the pancreas	X.—DISEASES OF TH SYSTEMS	Acur Chro Otho Otho Dise Dise Dise (a)
	CAUSES OF	128 Diseases of the pancri	CLASS X.—DISEASES OF THE URINARY AND GENITAL Total SYSTEMS Fema	130 Acute nephritis 131 Chronic nephritis 132 Nephritis unspecifie 133 Other diseases of the 134 Calculi of the urina 135 Diseases of the urin 136 Diseases of the pros 137 Diseases of the ma veneral) 138 Diseases of ovar inetria (non-veneral) 139 (a) Diseases of ovar inetria (b) Diseases of the

CLASS	140			141		142		143	144	145	146		147	148				149	
CLASS XI.—DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE	(a) Spontaneous, therapeutic or unspecified abortion with mention of infection	(b) Self-induced abortion with mention of in- fection	(c) Non-therapeutic abortion with mention of in-	(a) Spontaneous, therapeutic or unspecified abortion without mention of infection	(b) Self-induced abortion without mention of infection	(a) Ectopic gestation with mention of infection	(b) Ectopic gestation without mention of infection Female	Haemorrhage of pregnancy, death prior to delivery Female	Toxaemias of pregnancy, death prior to delivery. Female	Other diseases and accidents of pregnancy, death prior to delivery	(a) Placenta praevia	(c) Other haemorrhage of childbirth	Infection during childbirth and the puerperium	(a) Puerperal eclampsia	(b) Puerperal albuminuria and nephritis	(c) Acute yellow atrophy of liver	(d) Other puerperal toxaemias	(a) Laceration, rupture or other trauma of pelvic organs and tissues	(b) Other accidents of childbirth
Total	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female
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TABLE 17.-CAUSES OF DEATH BY SEX AND AGE FOR THE WHOLE PROVINCE, 1942-Continued

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	12-19 years		27	111-	111	111	1 1111	111	TITT
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	60-64 years		111			-11	FILL	111	
	22-29 years		111	111111	111			60 60	TITT
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AGES	42-49 years		111		11	THE		111	TITT
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	20-24 Aests	- 1	111			-			TITT
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	12-19 years		THE		111	TITT	1 1111		
	10-14 Years		111	711111		7- 1	TTI	64.64	1111
	5-9 years		111	111111		11 1	1 1111	01.01	THE
	4 years		TIT		111				
	3 years		TIT		TIT				
	2 years	-			111			10-4	
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	Under I year			TITLET	111			126	4916
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_	Total		111		111	7117		200	
		Female	9	Male Female Male Female Male	Total Male Female	Male Female Male	Male Female Male Female	Total Male Female	Male Female Male Female
	CAUSES OF DEATH	150 Other and unspecified conditions of childbirth and the puerperal state	CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TOTAL Male Fema	151 Carbuncle and furuncle 152 Philegmon and acute abscesses 153 Other diseases of the skin and cellular tissue	CLASS XIII,—DISEASES OF THE BONES AND ORGANS Total OF MOVEMENT Male	154 Osteomyelitis and periostitis 155 Other diseases of the bones (tuberculosis excepted)	156 (a) Diseases of the joints (tuberculosis and rheumatism excepted) (b) Diseases of other organs of movement	CLASS XIV.—CONGENITAL MALFORMATIONS	157 (a) Congenital hydrocephalus (b) Spina bifida and meningocele

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VITAL STATISTICS BRANCH

100 years 95-99 years 90-94 years 85-89 years 80-84 years 75-79 years 200 70-74 years 200 65-69 years 60-64 years AND AGE FOR THE WHOLE PROVINCE, 1942-Continued 1-00 :01 55-59 years 20 20-24 years 45-49 years AGES 40-44 years 35-39 years 30-34 years 25-29 years 20-24 years 15-19 years 20 10-14 years 91 5-9 years 4 years 3 years 2 years I year Under 1 year TABLE 17.-CAUSES OF DEATH BY SEX Total Male Female Male Female Male Male Male
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Female Male Female Male Female Male Male Male Female Male Female Male Female Male Female Total Total Sub-total liquid Homicide by cutting or piercing instruments vehicles) and Homicide by other or unspecified means By cutting or piercing instruments Railway accidents (excluding motor solid By other or unspecified means By jumping from high places hanging or strangulation CAUSES OF DEATH By firearms or explosives corrosive substances, Collisions with trains Motor vehicle accidents Suicide by other means Homicide by firearms By poisonous gas Suicide by polsoning Accidental deaths drowning By crushing By corrosiv poisonings Homicides By By (a) (p) (0) (p) (a) (e) (a) (P) 169-195 169 170 163 164 166-168 166 167 168

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Automobile accidents (excluding trains or street-cars) Motorcycle accidents (excluding automobiles) eet-car and other road transport accidents Total Street-car accidents (excluding trains and motor vehicles) Others under this title transport accidents and quarries cidents in mines and quarries ricultural and forestry accidents Accidents in wolving agriculture and vehicles Other agricultural accidents Injury by animals, in agriculture Other agricultural accidents Other forestry accidents Accidents involving forestry machinery and vehicles Other forestry accidents Other forestry accidents Other forestry accidents Other carboning Other responsibility gas Other carbon-monoxide gas Other carbon-monoxide gas Other poisonous gases Other poisonous gases Other poisonous gases Other accidental poisoning by solids or liquids.
171 174 175 175 177 178 179 180

TABLE 17.—CAUSES OF DEATH BY SEX AND AGE FOR THE WHOLE PROVINCE, 1942—Continued

56		VITAL STATISTICS BRANCH	
1	betate toN		
	100 years		
	92-99 years		Ī
	90-94 years		
	82-89 years		-
	80-84 years		Ī
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	70-74 years	4 60	
	8169 years		
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40	42-49 years		-
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	30-34 years		
	25-29 years		
	20-24 years		
	15-19 years		
	10-14 years	- 9 8 -	
	2-9 years		-
	4 years	, - , , , , , , , , , , , , , , , , , , ,	-
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		Male Female Female Female Female Male	Female
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	CAUSES OF DEATH	idental burns (conflagration excepted) idental mechanical suffocation idental drowning idental injury by firearms idental injury by firearms Accidental injury by fall Accidental injury by cutting or piercing in ments Accidental injury by cutting or piercing in ments Accidental injury by cutting or piercing in thy by animals iger or thirst essive heat thing idents due to electric currents htning cessive heat sesive heat brain Other accidents Other accidents Other accidents due to medical or su intervention Lack of care of the new-born	
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01001	100		9100	41662 85
		1112	52	7777
Male Female Male	Female Male Female	Female Male Female Male Female	Total Male Female	Male Female Male Female Male Male Female Female
(d) Obstruction, suffocation or puncture by ingested objects (e) Other and unspecified objects	196-198 Operations of war and legal executions	Deaths of civilians due to operations of war. Legal executions	CLASS XVIII—IIIDEFINED AND UNKNOWN CAUSES Total OF DEATH Female	200 (a) Ill-defined (b) Found dead (c) Unknown or unspecified cause
	196-198	197	CLASS	200

CLASSIFICATION OF ACCIDENTAL DEATHS ACCORDING TO THE NATURE OF INJURY. THESE ACCIDEN TAL 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 Accidental burns Accidental mechanical suffocation Accidental injury by cutting or piercing instruments, Accidental injury by fall Accidental injury by crushing		261 115 115 110 110 110 110 110 110 110 11	1 1 9 9		- 601- 601 - 6	NH H NIO-	1 1 2 1 2	00 00 00 10 10 10 10 10 10 10 10 10 10 1	1 1 1 1 2 1 1 1 2	13 2 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 2 1 1 1 2 1 1 1 2 1	7, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	8 3 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		H 0H 4 4F70	101 1 1000	111111111111111111111111111111111111111	111111111111	
Accidents due to electric currents	Female Male	n	1			-			-							1.1		
	Female	1		-	-	I									1			

TABLE 18.—CAUSES OF DEATH FOR EACH SEX BY MONTHS, FOR THE WHOLE PROVINCE, 1942

								M	MONTHS	S					1
	CAUSES OF DEATH		Total	Jennery	Lepinsia	March	lingA	May	anne	July	September	October	November	December	**********
DEATH	DEATHS—ALL CAUSES Fed	Total Male Female	6091 3724 2367	222	255 185	352 202	311 249	574 346 228	515	481 5 301 3 180 1	510 4 313 2 197 1	432 4 273 3 159 1	491 5 318 3 173 1	501 5 308 3 193 1	514 319 195
CLASS	CLASS I.—INFECTIOUS AND PARASITIC DISEASES Fema	Total Male Female	255	1232	35 61	222	888	222	38	23	132	172	119	38	1922
н с		Male Female	-	11	11		11	TI	71	Ti			11		-
N 10	Varatyphoid fever Male Fema Undulant fever Male Male	Male Female Male	111	111	111		111	Til	111	117		111	111		11
9	Cerebrospinal meningitis Ker	Female Male Female	-00	0101			11	In	111	-			111	-	
00 đ	Scarlet fever Male Femal Whoming-county Male	Male Female Male	F-40		63	H			61 -				11	113	-
10	Diphtheria	Female Male	0000	11	64		11	17	- 0		-	61	63	-	- 0
11	Erysipelas Main Main Main Main Main Main Main Main	Female Male Female	0 4 61			4-	-		4				111		0-
12		Male Female		1 :				T							1
13-22	Sub total	Male Female	133	10	901	128	122	122	10 8	0 1-1	800	91-0	100	225	220
13		Male Male	107	-0	01-11	0 0	120	26	000	9	0 00	-10	001	130	00
	(b) Without mention of occupational diseases of lungs Male Fema (c) Unspecified site Male Fema	Female Male Female Male Female	91 13 19	1000	41-11	13	31613	2570	10000	F-4 01	15-16	9 1	60 2	1127	00000

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Male Female Male Female Male Female Female	Female Male Female Male	Male Female Male	Female Male Female Male	Female Male Female Male	Female Male Female	Maie Female Maie Female	Male Female Male		Male Female Male Male Female Female Male Male
(d) With mention of dementia praecox Female Female	(b) Tuberculosis of the joints Male Female Female 18 Tuberculosis of the skin and sub-cutaneous cellular tissue Male	19 Tuberculosis of the lymphatic system (bronchial, mesenteric, mediastinal and retroperitoneal glands excepted). Male Female Male Male	21 Tuberculosis of other organs Male Female 7. Acute denoralized miliary tuberculosis Male Male	(b) Other and unspecified generalized tuberculosis	Conococcus infection	26 Other diseases due to bacteria Female 27 Dysentery Male	28 Malaria Male Female Female Female Female Female Male Male	Syphilis	(a) Locomotor ataxia (tabes dorsalis) (b) General paralysis of the insane (c) Other syphilis of the central nervous system (d) Others under this title (d) Others under this title (d) Others under this title (e) Other diseases due to spirochaetes (f) Male Female Male Female Female Female Female

CAUSES OF DEATH			-	-		MO	MONTHS	-		-	-	- 1
		Total	February	March	lingA	May	July	tsuguA	September	October	December	
Influenza			614	7.	000	101	4.	4.	-	- 64	017	1 100
(a) With respiratory complications		23 25		12.	9 9	0 00		100	11	11	***	2-
(b) Without respiratory complications Male Male	ale	21 17		2121	64	401			-	61	01	- 4
	ale	14	-	61	10	1		-		1	63	01
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encephantis	de	9 -	11	11	. 1		-		20	1 1		
(a) Rabies				1						1	1	
(b) German measles Male	98				11							
(c) Chicken-nox Male	de			-	1	-			1	i	-	
	lle				1 .							
(d) Other diseases due to iliterable viruses		-	I	-	I	-	-	-	1			
Rocky mountoin spotted fever Male		1			1 1		-					
Female Hydatid disease	de	-	-	-	-	-			a a	-	-	4
	de				1 1							
Other diseases due to helminths						-		1		-		-
Mycoses	ne				10		-	-	:			
	le	7.		п,								
(a) Other Venereal diseases Male Female	9	-	-	-	1			-		-		
(b) Lymphogranulomatosis (Hodgkin's disease)		10 1	-	•				63		101		50.0
(c) Mumps	le	4		1	1	-	00 =	1	-	I		
	le	4	1		-							

	d)	d) Other infectious and parasitic diseases	Male	11	11	TH	11	1,1	11	700		11				
CLASS	II.	CLASS II.—CANCER AND OTHER TUMOURS	Total Male Female	815 455 360	3888	24 28	545	888	38 419	324.6	4392	75 64 46 38 29 26	188	23.33	31 26 26	
45-55		Cancer and other malignant tumours Total	Male Female Male	337	23 23	122	1 29 43	88	988	138	339	12851	2635	22	24.2	
46			Female Male Female	60 E= 60			Tir	-	64		01	1 1 1	17 1		-	
	(e)	Of the stomach Of the duodenum	Male Female Male	20 20	124	0100	44	91	00 10	32.53	10 10	29	4 10	Ξ'0	9	
	(p)	Of the rectum and anus	Female Male Female	272	111	н	60	-	60	61		100	0100	01 11		
	(e) (g)	Of the liver and biliary passages	Male Female Male	339	9 4 1	00 00	च १० ल	00 00 M	000	t= 00 01	91	t= 45 0A	45.03	000	910-10	
	(8)	Pancreas	Female Male Female	228		m 04		4	01-01	01	4	- 4	N===	7 7	71	
		Mesentery and peritoneum	Male Female	61 61 1	Ti				9	-			11	03 11		
47		(a) Cancer of the Larynx (b) Of the lung	Male Male	26.00	1 0	N+	1 9	111	4 60	-	-4				10	
		(c) Of the Mediastinum and other sites	Female Female	200		- 61	61 6	7 1 17	П	0		-		1110	1 100	
48		(a) Cancer of the cervix (b) Of other and unspecified sites of the uterus	Female	38	4 47	. 01	1 63	4 05	6.3	2 4	1 00	+ 03		. 63	-	
49		Cancer of other female organs	Female	19	-	61	-	4		1	-	9	00	-		
50		Cancer of the breast Cancer of the male genital organs	Male Female Male	45.74	-1-00	00 00	10-01	E= 10	00 01	9 9	124	41.1-	- 10 61	9 9 9 9		
22		ry organs	Male Female Male Female	21484		1	1 87		1 2 1	- 2	04		01 14		0101-1-	
		THE PROPERTY OF STREET STREET, I SHALMING THE STREET, I WINDOWS TO STREE	r emale	1	Ī	ī	-		ī	ī	1000		7			

TABLE 18.—CAUSES OF DEATH FOR EACH SEX BY MONTHS, FOR THE WHOLE PROVINCE, 1942—Continued

MONTHS	Total January Pebruary March May	Male 9 5 5 5 5 5 5 5 5 5	Total Male	Female 6 1 1 1	Female 4 1 1 1 1	2 2 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Female 1	Female	the central nervous Male 3 1 1 Female 1 Male 1	TRITION AND OF Total 196 24 20 16 12 21 10 Male 94 13 11 7 1 11 5
	CAUSES OF DEATH	53 Cancer of the skin 54 Cancer of the brain 55 Cancer of other and unspecified organs		(b) Of the uterus	(c) Of other female genital organs (d) Of the brain and other parts of the central nervous system	(e) Of other and unspecified organs 57 Tumours of undetermined nature	(a) Of the ovary	(c) Of other female genital organs	(d) Of the brain and other parts of the central nervous system (e) Of other and unspecified organs	CLASS III.—RHEUMATISM, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS, OTHER GENERAL AND VITAMIN DEFICIENCY DISEASES

58		Acute rheumatic fever Total	Male	02	4	4		2 1	2	-	Ŧ	in	13	10	-
	1	(a) Aprile when well have been different	Female	87.0	21.	-	10	1 2	T	61 -	00 -		64 0	C4 I	
	-	Acade incument near conditions		20	10	7		-	4-	1	40	0	7 -	0 -	-
	(b	(b) Others under this title			1 :			1	1	1	? !		•		
59		Chronic rheumatism and other rheumatic diseases	Female	900				-		-	-	-		-	-
		AND THE PROPERTY AND TH	le	000	-	-				-	•				
09		Gout													
19		Diabetes mellitus	Female 5	100	-	. 4				-	-	14		-	11
			le	212	- [-	6	210	- 10	101	P NO	400		0 00		100
62		Diseases of the pituitary gland		10	-		-	-	1000		1000		1	-	
63		Diseases of the thyroid and parathyroid glandsTotal		2/100		1	.01	1	1	60	11	-	-		
	(5)	(a) Simple golfre	Female	10	2	-	-	1 4	04		-	-	1	-	-
			le	-				1							
	(10)	(b) Exoputhalmic goitre	Male	00	10	10	-	100	.0	00	-	1	-		1.
	0)	(c) Myxoedema and cretinism		101	4	4 1			4		-			-	
	(d	(d) Others under this title	Female Male	- 22	-		-						1		
		The same of the sa	le				•		1.1				1 1		
64		Diseases of the thymus gland	Male		-	1		1	1	Ţ	- 0	- 1			
65		Diseases of the adrenal glands (Addison's disease)	Female Male	10 00	-	1		-	-			-	-	-	
00			Female												
99		Other general diseases Total	Male			I	-	1	1	I	-		-		
69		Pellagra	Male						101	П	11		11		
70		Rickets	Female				10			1		1	1	1	9
			Female	1			10				1				
CLASS	VI S	CLASS IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	Male 3	888	10 61 63	© 10 4	1010	10 22 10 25 25 25 25 25 25 25 25 25 25 25 25 25		00 04	211	61 61	0 4 5	E- 64 FO	10 00 01
72		(a) Primary purpura	Male	- 61	-	1						-	-		
	(b	(b) Haemophilia	Female Male	4		1	-			T	1	T	1	1	-
73		aemia	le	.00	-	-					7				
	(b	(b) Other anaemias		10		61	. 67		1				63	103	-
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TABLE 18.—CAUSES OF DEATH FOR EACH SEX BY MONTHS, FOR THE WHOLE PROVINCE, 1942—Continued

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	September				20 20 20	
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	May		1 1 1 1	111111		
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	March		111		333	
	February	77 11111	111		288	
	Jenner	N			322	
	Total		1111		555 307 248	410 044000000 0
		excepted) Male Female Male Male Female Adelorming organs Female Female	OXICATION Total Male Female	Male Female Male Female Male Male Female Female Female	SYSTEM AND SENSE Total Male Female	Total Male Female Male Female Male Female Female Male
	CAUSES OF DEATH	(b) Aleukaemias (Hodgkin's disease excepted) 75 Diseases of the spleen 76 Other diseases of the blood and blood-forming organs	CLASS V.—CHRONIC POISONING AND INTOXICATION	77 Alcoholism 78 Lead poisoning 79 Chronic poisoning by other mineral and organic substances.	CLASS VI.—DISEASES OF THE NERVOUS SYSTEM ORGANS	80 Encephalitis (non-epidemic) (a) Intracranial abscess (b) Others under this title 81 Meningitis (non-meningococcal) (a) Simple meningitis (b) Acute cerebrospinal meningitis 82 Diseases of the medulla and spinal cord

89 (a) Otitis and other diseases of the ear Male Female (b) Diseases of the mastoid process Female Female Total

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	September	252 253 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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M		8688 3888 1381 1381
	May	1 1 104 9 1 4 8 1 1 1 1 8 8 2 1 2 8 8 2 3 8
	April	1 1 1 1 1 1 2 2 2 3 3 3 3 3 3 3 3 3 3 3
	March	25 23 3 2 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	February	2 1 10000 04008821 1 218200 82222
	January	
	IstoT	22112214444444444444444444444444444444
		Male Female Male Female Male Female Male Female Male Female Male Female Male Female Male
	CAUSES OF DEATH	90 (b) Pericarditis (acute rheumatic excluded) 91 Acute endocarditis (non-rheumatic) 92 Acute endocarditis (acute, subacute or unspecified) 93 Chronic affections of the valves and endacordium Sub-total Rema (c) Endocarditis (not specified under 45 years) (d) Other specified valvular diseases (non-rheumatic) (e) Unspecified valvular lesions and endocarditis (f) Male (g) Myocarditis (not specified under 45 years) (g) Chronic myocarditis and myocardial degeneration (g) Chronic myocarditis (non-rheumatic) (hale (g) Chronic myocarditis (non-rheumatic) (hale Remanage (non-rheumatic) (hale Rema

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Other diseases of the heart (no organic lesion) (b) Other diseases of the heart (non-rheumatic) (c) Other diseases of the heart (non-rheumatic) Aneurysm (heart and aorta excepted) Arteriosclerosis (coronary or renal sclerosis or cerchaemorrhage excepted) Arteriosclerosis (coronary or renal sclerosis or cerchaemorrhage excepted) Gangrene Other diseases of the arteries Other diseases of the circulatory system High blood pressure (idiopathic) Other diseases of the circulatory system Other diseases of the larynx Other diseases of the larynx Other diseases of the larynx (a) Bronchitis, chronic (b) Bronchitis, unspecified Broncho pneumonia Lobar preumonia Lobar preumonia Pneumonia (unspecified)
(b) Angina pectoris 95 Other diseases of the heart (no organic les (b) Other diseases of the heart (non-rheumatic) (c) Other diseases of the heart (non-rheumatic) 96 Aneurysm (heart and aorta excepted) 97 Arteriosclerosis (coronary or renal sclerosis or haemorrhage excepted) 98 Gangrene 99 Other diseases of the arteries 100 Other diseases of the veins 101 Diseases of the lymphatic system 102 High blood pressure (idiopathic) 103 Other diseases of the circulatory system 104 Diseases of the hasal fossae and accessory sinuses. 105 Diseases of the larynx 106 (a) Bronchitis, acute (b) Bronchitis, unspecified 107 Bronchitis, unspecified 108 Lobar pneumonia (unspecified)

TABLE 18.—CAUSES OF DEATH FOR EACH SEX BY MONTHS, FOR THE WHOLE PROVINCE, 1942—Continued

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		Male Female Male Female Male	Female Male Female Male	Male Female Male	Female Male Female Male Female	remaie Total Male Female	Male Female Male Female Male Female Female Male Female Male Male Male Female Male
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	F	thron	of th		of pr	WE S	Diseases of the teeth and gums Septic sore throat Diseases of the pharynx and tonsils Others under this title sases of the oesophagus Ulcer of the stomach
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		npye ther	ther	nary	Other and unspecified for Gangrene of lung Other diseases of the re-	ISEA	Diseases of the teet Septic sore throat Diseases of the pha Others under this t sases of the oesoph Ulcer of the stoma
		(a) Empyema (b) Other forms of pleurisy (a) Haemorrhagic infarction	(b) Other congestion and oedema of the lungs Asthma	Pulmonary emphysema (a) Silicosis	(b) Other and unspecified forms of pneumoconioses (c) Gangrene of lung (d) Other diseases of the respiratory system.	3	(a) Diseases of the teeth and gums (b) Septic sore throat (c) Diseases of the pharynx and to (d) Others under this title Diseases of the oesophagus (a) Ulcer of the stomach
		9 011		113 P		CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM	115 (

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(b) Ulcer of the duodenum Other diseases of the stomach (a) Diarrhoea and enteritis (under 2 years of a) (b) Ulceration of the intestines (2 years of age and charmon of the intestines (2 years of age and charmon of the intestines (2 years of age and charmon of the intestines (3 years of age and charmon of the intestines (4) Intestinal obstruction Other diseases of the liver with mention of a conformation of the liver without mention of a conformation of the liver without mention of a conformation of the liver diseases of the gall-bladder and bile du Diseases of the pancreas Peritonitis without stated cause	Acute nephritis Chronic nephritis Nephritis unspecified (over 10 years of age) Other diseases of the kidneys and ureters
(b) Ulcer of the duodenum Other diseases of the stomach (a) Diarrhoea and enteritis (under 2 years of 4) (b) Ulceration of the intestines (2 years of age and 6) Appendicitis (a) Hernia (b) Intestinal obstruction Other diseases of the liver with mention of alcol 6) (c) Cirrhosis of the liver with mention of alcol 7 (d) Cirrhosis of the liver with mention of alcol 6) (e) Cirrhosis of the liver without mention of alcol 7 (a) Acute yellow atrophy of the liver 7 (b) Other diseases of the gall-bladder and bile duo 6 Diseases of the pancreas 7 Peritonitis without stated cause	Acute nephritis Chronic nephritis Nephritis unspecified (over 10 years of ag
118 119 120 121 123 124 126 126 127 128	LASS X.—DISEASES OF THE URINARY AND GENT 130 Acute nephritis 131 Chronic nephritis 132 Nephritis unspecified (over 10 years of age) 133 Other diseases of the kidneys and ureters

TABLE 18.—CAUSES OF DEATH FOR EACH SEX BY MONTHS, FOR THE WHOLE PROVINCE, 1942—Continued

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	September	1 17	10	-	-	1	64				-	1	1	
	August	-	1 2	-	-	4 7	4	1	1	1		1		1
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	Total	63 64 44	48	64	-1	4	43	10	1	-	61		-	-
		4 4 4	10111			- 15								
		Male Female Male	Female Male Female Male	Male	Female	Female	Total	Female	Female	Female	Female	Female	Female	Female
	CAUSES OF DEATH	Calculi of the urinary passages Pemale Premale Male	Diseases of the urethra, urinary Abscess, etc. Female Female Diseases of the prostate Male Male	Diseases of the male genital organs (non-venereal) Male	(a) Diseases of the ovaries, Fallopian tubes and parametria (non-venereal)	(b) Diseases of the uterus (non-venereal) Female	CLASS XI DISEASES OF PREGNANCY CHILDBIRTH AND THE	PUERPERAL STATE Total						

143	Haemorrhage of pregnancy, death prior to delivery.	Female	T	1	T	1	-	-		1	-	-		-	
144	Toxaemias of pregnancy, death prior to delivery	Female	61		-	64	- 1					-			
145	Other diseases and accidents of pregnancy, death prior to delivery	Female	-	1	1					1					
146	(a) Placenta praevia	Female	63			1	1				1	-		1	
	(c) Other haemorrhage of childbirth	Female	4		-	1	1	1		-	-	1		-	
147	Infection during childbirth and the puerperium	Female	13	-	-	01	-	1	1	-	61		6.1		
148	(a) Puerperal eclampsia	Female	H	-			1		1			1			
	(b) Puerperal albuminuria and nephritis	Female		1	-	1	1			-	-			-	
	(c) Acute yellow atrophy of liver	Female	1		-	1			1	-		1	-	1	
	(b) Other puerperal toxaemias	Female	-			1	1		-	7			-		
149	(a) Laceration, rupture or other trauma of pelvic organs and tissues	Female	61		1	-	1			-	-				
	(b) Other accidents of childbirth	Female	61	-	-	1	-	-	-	1	-		1	1	
150	(c) Other and unspecified conditions of childbirth and the puerperal state	Female	6.0		-	-	-		1		-	-			
CLASS	CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TISSUE	Total Male Female	698		111		111				000		111	111	
151		Male	- :	11	11		11		-						
152	Phlegmon and acute abscesses Other diseases of the skin and cellular tissue	Male Female Male Female	NIO H	17-1	TIBLE	-	IIII	HIT		-	HO	1171			
CLASS	XIII.—DISEASES OF THE BONES AND ORGANS OF MOVEMENT	Total Male Female	00 44 44		111		111							111	
154	Osteomyelitis and periostitis Other diseases of the bones (tuberculosis excepted)	Male Female Male Female		1777		1111	1111	7117				114	1117		

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5 8785 476 H184881 8 6 November 200000 -91 October September TABLE 18.—CAUSES OF DEATH FOR EACH SEX BY MONTHS, FOR THE WHOLE PROVINCE, 1942—Continued August 1 9 1233 -0xx0101 01 401 MONTHS July 0888 - 81 MUH | W01014 142 nuue 24 May 004001 30 HirdA -000 8 91-818 818 243 March 151 February 01010100 2223 January 292 56 17 233 36 17 25 Total Male
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Male Male Female Male Female Total Male Female Total Male Female CLASS XV.-DISEASES PECULIAR TO THE FIRST YEAR OF LIFE (a) Diseases of the joints (tuberculosis and rheumatism excepted) Sub-total heart (b) Diseases of other organs of movement CLASS XIV.—CONGENITAL MALFORMATIONS (b) Other intracranial or spinal injuries (a) Intracranial or spinal haemorrhage the CAUSES OF DEATH (b) Spina bifida and meningocele (d) Congenital malformations of (a) Congenital hydrocephalus (e) Others under this title (c) Others under this title Congenital debility (c) Anencephalus Premature birth Injury at birth 158 159 160 157 156

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VITAL STATISTICS BRANCH

対める November 12 October 333 September TABLE 18.—CAUSES OF DEATH FOR EACH SEX BY MONTHS, FOR THE WHOLE PROVINCE, 1942—Continued August Amr MONTHS ngung 100 May Mpril :04 March 6 :10 26 **E**ebruary January 101011 86 19 52 20 2 555 -2 288222 333 Total Male Female Male Female Male Male
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Female Male Female Male Male Female Male Female Male Female Malc Male Male Male Male Male Female Sub-total Total Sub-total (c) Automobile accidents (excluding trains or street-cars) and motor (excluding automobiles) machinery trains and accidents Railway accidents (excluding motor vehicles) by cutting or piercing instruments by other or unspecified means Accidents involving agricultural vehicles other road transport Street-car accidents (excluding vehicles Agricultural and forestry accidents CAUSES OF DEATH Accidents in mines and quarries (b) Collisions with street-cars (b) Others under this title Water transport accidents (a) Collisions with trains Motorcycle accidents Air transport accidents Motor vehicle accidents Homicide by firearms Accidental deaths Street-car and Homicide Homicide (a) (p) (a) 174 175 172 173 991 169 170 167 168 169-195 171

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TABLE 18.—CAUSES OF DEATH FOR EACH SEX BY MONTHS, FOR THE WHOLE PROVINCE, 1942—Continued

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	November	1 1 2 0 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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	May	1111-4-11 1111-4 11 114 0000 110-1100
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	February	
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	Total	11 81 1 600 60 2 60 4 1 9 9 2 821
		Male Female Female Male Female Female Female Male Female Female Male Female Female Female Female Female Male Female Female Female Male Female Male Female Female Male Female Female Female Male Female Female Female Female Female Female
	CAUSES OF DEATH	Accidents due to electric currents Attack by venomous animals (non-occupational) Other accidents (a) Sequelae of preventive immunization, inoculation or vaccination (b) Other accidents due to medical or surgical intervention (c) Lack of care of the new-born (d) Obstruction, suffocation or puncture by ingested objects (e) Other and unspecified objects Deaths of persons in military service during operations of war Deaths of civilians due to operations of war Legal executions XVIII.—ILI-DEFINED AND UNKNOWN CAUSES OF DEATH Sudden death (a) Ill-defined (b) Found dead (c) Unknown or unspecified causes
		193 194 195 197 198 CLASS CLASS

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.

Female 26 2 1 1 2 2 1 5 Female 15 2 1 1 1 2 2 1 5 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 4 3 3 4 <	Accidental absorption of polsonous gas	Male			100		-		63
Female 9 1 1 2 2 1 2 1 1 2 2		Female Male			67	61	-		
Female 4 1 1 2 1 2 1 2 3 8 Rale Female 4 1 1 2 3 4 3 5 2 3 8 Rale 42 5 2 5 2 3 4 3 5 2 5 Female 192 15 17 7 11 13 14 15 20 19 27 13 Female 9 2 1 1 2 1 2 1 1 Female 9 2 1 1 2 1 1 1 Female 9 2 1 1 2 1 1 1		Female Male			- 01	(1			
ts Female 10 1 1 2 3 2 1 3 3 4 1 1 1 1 1 1 1 3 4 3 5 2 5 5 5 5 5 5 3 3 4 3 5 5 5 5 5 5 5 5 5		Female Male			10	10			:00
Female 42 5 2 5 2 3 4 3 5 2 5 Female 31 4 2 2 3 4 3 5 2 3 3 Male 192 15 17 7 11 13 14 15 20 19 27 13 Male 9 2 1 1 1 2 1 1 1 Female 9 2 1 1 1 2 1 1 1	ts	Female Male			01	62			00
Female 31 4 2 2 3 <t< td=""><td></td><td>Female Male</td><td></td><td></td><td>.00</td><td>000</td><td></td><td></td><td></td></t<>		Female Male			.00	000			
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		Male Female				V			

TABLE 19.—CAUSES OF DEATH BY SEX AND AGE IN EDMONTON, 1942

		VII	
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	100 years and over		
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	90-94 years	121-00	
	82-89 years	13	N
	80-84 years	273	NHH
	12-19 Acuts	35	###
	70-74 years	101	NN
	65-69 years	32.22	10 10 10 10 10 10 10 10 10 10 10 10 10 1
	60-64 yests	119	940
	22-23 AGBLS	117	044
	20-24 Aests	25 25	4-0
90	42-49 Years	31 21 21 21	1010
Ages	40-44 Years	1385	1000 0000 000
	32-39 Years	13	4-0
	30-34 years	13 19 19	040 HERENA NA
	S2-S9 years	13 13	049
	20-24 years	20 821	011 01101 011
	15-19 years	28	- 2014
	10-14 years	113	a , , , , , , , , , , , , , , , , , ,
	2-9 years	75.00	s 's
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	l year	12.9	2 2 11 11 11 11 11 11 11 11 11 11 11 11
	Under 1 year	130	940
	Total	692 692 461	250 2321 2 3 11111 250
		l ale	
		Total Male Female	Total Male Female Female
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	CAUSES OF DEATH	DEATHS—ALL CAUSES	CLASS I.—INFECTIOUS AND PARASITIC DISEASES I Typhoid fever 2 Paratyphoid fever 6 Cerebrospinal meningitis 8 Scarlet fever 9 Whooping-cough 10 Diphtheria 11 Erysipelas 11 Erysipelas 12-22 Tuberculosis of the respiratory system 13 Tuberculosis of the respiratory system 14 Total Male Femal 15 Tuberculosis of the respiratory system 16 With mention of occupational diseases of lungs 17 Unspecified site 18 Male Femal 19 Male Femal 10 Male Femal 11 Erysipelas 11 Erysipelas 12 Femal 13 Tuberculosis of the respiratory system 14 Femal 15 Femal 16 Male Femal 17 Male Femal 18 Male Femal 19 Male Femal 10 Male Femal 10 Male Femal 11 Femal 12 Femal 13 Femal 14 Femal 15 Femal 16 Male Femal 17 Femal 18 Femal 19 Male Femal 10 Male Femal 10 Male Femal 11 Femal 12 Femal 13 Femal 14 Femal 15 Femal 16 Male Femal 17 Femal 18 Femal 19 Male Femal 10 Male Femal 11 Femal 12 Femal 13 Femal 14 Femal 15 Femal 16 Male Femal 17 Femal 18 Femal 19 Male Femal 19 Male Femal 10 Male Femal 10 Femal 11 Femal 12 Femal 13 Femal 14 Femal 15 Femal 16 Femal 17 Femal 18 Femal 19 Male Femal 19 Male Femal 10 Femal 10 Femal 11 Femal 11 Femal 12 Femal 13 Femal 14 Femal 15 Femal 16 Femal 17 Femal 18 Femal 19 Femal 19 Femal 10 Femal 10 Femal 11 Femal 11 Femal 12 Femal 13 Femal 14 Femal 15 Femal 16 Femal 17 Femal 18 Femal 19 Femal 19 Femal 10 Femal 10 Femal 11 Femal 11 Femal 12 Femal 13 Femal 14 Femal 15 Femal 16 Femal 17 Femal 18 Femal 19 Femal 19 Femal 10 Femal 10 Femal 10 Femal 11 Femal 11 Femal 12 Femal 13 Femal 14 Femal 15 Femal 16 Femal 17 Femal 18 Femal 18 Femal 19 Femal 19 Femal 10 Femal 10 Femal 11 Femal 12 Femal 13 Femal 14 Femal 15 Femal 16 Femal 17 Femal 18 Femal 18 Femal 19 Femal 19 Femal 19 Femal 10 Femal 10 Femal 10 Femal 11 Femal 11 Femal 12 Femal 13 Femal 14 Femal 15 Femal 16 Femal 17 Femal 18 Femal 18 Femal 18 Femal 19 Femal 19 Femal
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Tuberculosis of the meninges and central nervous system Tuberculosis of the intestines and peritoneum Tuberculosis of the vertebral column Tuberculosis of the bones and joints Tuberculosis of the skin and sub-cutaneous cellu-	Tuberculosis of the lymphatic system (bronchial, mesenteric, mediastinal and retroperitoneal glands excepted)	Tuberculosis of the genito-urinary system	(a) Acute generalized miliary tuberculosis (b) Other and unspecified generalized tuberc	Purulent infection and septicaemia Gonococcus infection	Other diseases due to bacteria	Syphilis	(a) Locomotor ataxia (tabes dorsalis)	9 9	Other diseases due to spirochaetes Influenza (a) With responatory complications
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TABLE 19.—CAUSES OF DEATH BY SEX AND AGE IN EDMONTON, 1942—Continued

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	CAUSES OF DEATH	(b) Without respiratory complications 34 Small-pox 35 Measles 36 Acute pollomyelitis and polloencephalitis 37 Acute infectious encephalitis 38 (a) Rabies (b) German measles (c) Chicken-pox 43 Mycoses 44 (a) Other venereal diseases (b) Lymphogranulomatosis (Hodgkin's disease) (c) Mumps	CLASS II.—CANCER AND OTHER TUMOURS	45-55 Cancer and other malignant tumours. Tot 45 Cancer of the buccal cavity and pharynx. 46 (a) Cancer of the Oesophagus. (b) Of the stomach.
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TABLE 19.—CAUSES OF DEATH BY SEX AND AGE IN EDMONTON, 1942—Continued

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		Male Female	Male Female	Total Male Female	Male Female Male Female Male Female Male Female Female Male Female
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	CAUSES OF DEATH	(e) Of other and unspecified organs 57 (d) Tumours of the brain and other parts of the		CLASS III.—RHEUMATISM, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS, OTHER Total GENERAL AND VITAMIN DEFICIENCY DISEASES Male Fema	Acute rheumatic fever Total Male (a) Acute rheumatic heart conditions Male (b) Others under this title Fema 61 Diabetes mellitus Male 62 Diseases of the thyroid and parathyroid Fema (a) Simple goitre (b) Exophthalmic goitre (c) Myxoedema and cretinism (d) Exophthalmic glands 64 Diseases of the adrenal glands (Addison's disease) 65 Diseases of the adrenal glands (Addison's disease) 66 Other general diseases (a) Male (b) Fema (c) Myxoedema and cretinism (d) Fema (e) Male (e) Fema (f) Male (f) Fema (g) Male
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Male	Total Male Female		Pernicious anaemia	1198		IC POISONING AND INTOXICATION	Alcoholism Lead poisoning		(a) Intracranial abscess (b) Other encephalitis (non-epidemic) (a) Simple meningitis (b) Acute cerebrospinal meningitis (c) Acute medulla and spinal cord (d) Male (e) Pemale (e) Male (f) Male

TABLE 19.—CAUSES OF DEATH BY SEX AND AGE IN EDMONTON, 1942—Continued

		VITAL STATISTICS BRANCH
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	CAUSES OF DEATH	(a) Cerebral haemorrhage or effusion (b) Cerebral embolism and thrombosis (c) Cerebral softening (d) Hemiplegia and other paralysis of unspecified origin (e) With mention of arteriosclerosis (b) Mental disorders and deficiency (general paralysis of the insane excepted) (a) Convulsions (under 5 years of age) (b) Neuritis (c) Paralysis agitans (d) Disseminated sclerosis (d) Disseminated sclerosis (e) Diseases of organs of vision (a) Otitis and other diseases of the ear (b) Diseases of the mastoid process
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TABLE 19.—CAUSES OF DEATH BY SEX AND AGE IN EDMONTON, 1942—Continued

		VITAL STATISTICS BRANCH
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	60-64 years	7 T T T T T T T T T T T T T T T T T T T
	22-29 years	
	20-24 years	1 1 1 1 1 4 4 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Ages	45-49 years	-
Ag	40-44 years	
	32-39 years	422
	30-34 years	
	25-29 years	
	20-24 years	N N
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		Male Male Male Male Female Male
	CAUSES OF DEATH	Aneurysm (heart and aorta excepted) Arteriosclerosis of cerebral haemorrhage excepted) Gangrene Gangrene Gangrene Gangrene Gangrene Characterios of the arteries Other diseases of the veins Diseases of the veins VII.—DISEASES OF THE RESPIRATORY SYSTEM VIII.—DISEASES OF THE RESPIRATORY Femala Diseases of the nasal fossae and accessory sinuses frema and biseases of the larynx Constant of the properties of the larynx Constant of the l
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(b) Other forms of pleurisy	(a)	(b) Other conge	2 Asthma	3 Pulmonary emphysema	114 (d) Other diseases of the (tuberculosis excepted)	S IX.—DISEASES	115 Diseases of the buccal cavit, the pharynx and tonsils	116 Diseases of the oesophagus	7 (a) Ulcer of the stomach	(b) Ulcer of the duodenum	8 Other diseases of the stomach		(a)	(b) Ulceration o	1 Appendicitis	2 (a) Hernia	(b) Intestinal obstruction			arcononsm
	Haemorrhagic infarction and thrombosis of the lungs	(b) Other congestion and oedema of the lungs		nysema	Other diseases of the respiratory system (tuberculosis excepted)	CLASS IX.—DISEASES OF THE DIGESTIVE SYSTEM	y and annexa, and of		stomach	duodenum	f the stomach	Diarrhoea and enteritis (under 2 years of age)	Diarrhoea and enteritis (2 years of age and over)	Ulceration of the intestines (2 years of age and over)				Other diseases of the intestines	(a) Cirrhosis of the liver with mention of	
Male		Female Male	Male	Female Male	Female Male Female	Total Male Female	Male	Female Male	Female	Female Male	Female Male	Female Male	remale Male	Female	Female Male	Female Male	Female Male	Female Male	Female	Female
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TABLE 19.—CAUSES OF DEATH BY SEX AND AGE IN EDMONTON, 1942—Continued

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	CAUSES OF DEATH	(b) Cirrhosis of the liver without mention of alcoholism Other diseases of the liver Biliary calculi Diseases of the pancreas C.—DISEASES of THE URINARY AND GENITAL Femal Peritonitis without stated cause Remain Peritonitis without stated cause Chronic nephritis Nale Chronic
	CA	(b) Cirrhosis of alcoholism Other diseases of Biliary calculi Other diseases of Diseases of the Peritonitis with Acute nephritis Chronic nephritis Nephritis unsperother diseases of the Uniseases of the Diseases of the Dise
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(a) Diseases of the ovaries, Fallopian tubes and parametria (non-venereal)	(b) Of the uterus (non-venereal)	XI.—DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE	(a) Abortion with mention of infection	Abortion without mention of infection	Ectopic gestation	Haemorrhage of pregnancy, death prior to delivery	Toxaemias of pregnancy, death prior to delivery.	Other diseases and accidents of pregnancy, death prior to delivery	Haemorrhage of childbirth and the puerperium	Infection during childbirth and the puerperium	Puerperal toxaemias, following delivery	Other accidents of childbirth	Other and unspecified conditions of childbirth and the puerperal state	XII.—DISEASES OF THE SKIN AND CELLULAR Total Male TISSUE	Philegmon and acute abscesses	Cures anscases of the Shift and the Cellular use	XIII.—DISEASES OF THE BONES AND ORGANS Total OF MOVEMENT Male Fema	Osteomyelitis and periostitis
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TABLE 19.—CAUSES OF DEATH BY SEX AND AGE IN EDMONTON, 1942—Continued

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	CAUSES OF DEATH	Other diseases of the bones (tuberculosis excepted) Male Fema Male movement Male	N	(a) Congenital hydrocephalus (b) Spina bifida and meningocele (c) Amencephalus (d) Congenital malformations of the heart (e) Others under this title	S	Congenital debility Premature birth (a) Injury at birth with intracranial or spinal haemorrhage (b) Injury at birth with other intracranial or spinal injuries
	CA	or diseases Diseases o movement	IGE	bir	ASI	d d d d d d d d d d d d d d d d d d d
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		Oth (b)	XIX	(e) (e) (e) (e) (e)	OF.	(a) (b)
		155	CLASS XIV.—CONGENITAL MALFORMATIONS	157	CLASS XV.—DISEASES PECULIAR TO THE FIRST YEAR Total Male OF LIFE Fema	159
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Other injuries at birth Asphyxia (unspecified), atelectasis Infection of the umbilicus, pemphigus and other infections Other specified diseases peculiar to the first year of life Female	Male 6	Without dementia Female 1 Female 6 Female 4	Total 59 9 2 Male 39 6 1 Female 20 3 1	e by poisoning by corrosive substances, Male 1 Female 1 Female 1 Female 1 Female 2 Female 1 Female 3 Female 4 Female 4 Female 5 Female 5 Female 5 Female 6 Female 6 Female 7 Female	Total Male Female
(c) Other injuries at birth (a) Asphyxia (unspecified), atelectasis (b) Infection of the umbilicus, pemphigus and other infections (c) Other specified diseases peculiar to the first (c) Year of life (d) Year of life (e) Year of life (e) Year of life (e) Year of life (f) Year of	Male 6	(b) Without dementia . Female 1 . Female 6 . Female 4	Total 59 9 2 Male 39 6 1 Female 20 3 1	Suicides (a) Suicide by poisoning by corrosive substances, solid and liquid poisons Solid and I Female (b) By drowning Solid and Solid	Homicide by other or unspecified means Total Male 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Other injuries at birth Asphyxia (unspecified), atelectasis Infection of the umbilicus, pemphigus and other infections Other specified diseases peculiar to the first year of life Female	SENILITY Male 6	(b) Without dementia . Female 1 . Female 6 . Female 4	59 9 2 39 6 1 20 3 1	e by poisoning by corrosive substances, Male 1 Female 1 Female 1 Female 1 Female 2 Female 1 Female 3 Female 4 Female 4 Female 5 Female 5 Female 5 Female 6 Female 6 Female 7 Female	Homicide by other or unspecified means Total Male 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

TABLE 19.—CAUSES OF DEATH BY SEX AND AGE IN EDMONTON, 1942—Continued

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	CAUSES OF DEA	and other road nsport accidents out accidents in mines and quents involving ehicles y by animals, in forestry accident oning ccidental poisoni ion therefore any fire injury by fire injury by cutt injury by cutt animals
	CAUSES OF DEATH	car and other road transport accidents nsport accidents nts in mines and qualidents in wehicles ury by animals, in ter forestry accidentian accidental poisoni ration at al mechanical suffatial injury by fires stal injury by cutt its by animals.
	CAUSES OF DEA	et-car and other road ar transport accidents transport accidents dents in mines and quantity by animals, in Other forestry accident poisoning ute accidental poisoni lagration dental mechanical suff dental injury by fire dental injury by fire dental injury by cutt nents Accidental injury by y y by animals
	CAUSES OF DEA	treet-car and other road transport accidents It transport accidents In Accidents in mines and quarries In Jury by animals, in agriculture In Jury by animals, in agriculture In Jury by animals, in agriculture In Jury by animals In Jury by fall In Confidental in Jury by fall In Accidental in Jury by fall
	CAUSES OF DEA	The Act
	CAUSES OF DEA	171 Street-car and other road 172 Water transport accidents 173 Alr transport accidents 174 Accidents in mines and quantity 175 (a) Accidents in mines and quantity by animals, in (b) Injury by animals, in (c) Other forestry accident 177 Food poisoning 178 Accidental burns (conflaguation 181 Accidental drowning 182 Accidental injury by fires 184 Accidental injury by cutt ments 185 (a) Accidental injury by cutt ments 186 (a) Accidental injury by 188 188 Injury by animals

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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.

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TABLE 20.—CAUSES OF DEATH BY SEX AND AGE IN CALGARY, 1942

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	82-89 years	36	27-1-			11	1	1 1 1	T	11	1	11	1	III	11	TIT
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		-AL	IN	Typhoid fever	Paratyphoid fever	Cerebrospinal meningitis	Scarlet fever	Whooping-cough	Diphtheria	Erysipelas	Tuberculosis	(b) Tuberculosis of the respiratory system	Tuberculosis of the meninges and central nervous system	Tuberculosis of the intestines and peritoneum	Tuberculosis of the genito-urinary system	Purulent infection and septicaemia
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syphilis a) Locomotor ataxia (tabes dorsal b) General paralysis of the insane c) Other syphilis of the central ne d) Others under this title Other diseases due to spirochaetes nfluenza a) With respiratory complications (b) Without respiratory complication Small-pox Measles Acute poliomyelitis and polioenceph Acute infectious encephalitis (c) German measles (d) German measles (e) Chicken-pox Mycoses (e) Chicken-pox (f) Lymphogranulomatosis (Hodgki (c) Mumps	(-CA)	Cance
Sypp (a) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	S II.—CA	5 Cancer and other malignant tumours
30 Syphil (a) L(b) G (b) G (c) O) 32 Other 33 Influe (a) W (b) W 34 Small 35 Meash 36 Acute 37 Acute 37 Acute 38 (a) Ru (b) G (c) Cl 43 Mycos 44 (a) O (b) L	CLASS II.—CANCER AND OTHER TUMOURS	45-55 Cance 45 Cance

TABLE 20.-CAUSES OF DEATH BY SEX AND AGE IN CALGARY, 1942-Continued

	CAUSES OF DEATH	46 (a) Cancer of the Oesophagus (b) Of the stomach (c) Of the duodenum	(d) Rectum and anus (e) Intestines	(f) Liver and biliary passages (g) Pancreas		(c) Of the Mediastinum and other sites	(b) Other and unspecified sites of the uterus	50 Cancer of the breast 51 Cancer of the male genital organs	52 (a) Cancer of the kidney (b) Of the bladder
		Male Female Male Female Male	Male Female Male Male Female	Male Female Male Female	Female Male Female Male	Female Male Female Female	uterus Female Female	Male Female Male	Male Female Male Female
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	70-74 years	1444	H 4	FIII	TITIT		17	-4	
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ille			Cancer of other and unspecified organs				Tumours of undetermined nature	EA	-	rt o	le .	oth	-	of the pituitary gland	of the thyroid and parathyroid glands	of the thymus gland	lan		BI	
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(0)	anc	anc	anc	Non-malignant tumours	(a)	(P)	(e)	III.—REHUMATISM, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS, OTHER GENERAL AND VITAMIN DEFICIENCY DISEASES	Acute rheumatic fever	a) Acute rheumatic heart conditions	(p)	Chronic rheumatism and other rheumatic diseases	Diabetes mellitus	Diseases	Diseases	Diseases	Diseases of the adrenal glands (Addison's disease)	Other general diseases	IV.—DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	(a) Primary purpura
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TABLE 20.-CAUSES OF DEATH BY SEX AND AGE IN CALGARY, 1942-Continued

08		VITAL STATISTICS BRANCH	
11	Not stated		11
	100 years		11
	95-99 years		-
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TABLE 20.-CAUSES OF DEATH BY SEX AND AGE IN CALGARY, 1942-Continued

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	80-84 years	© H	7	1 1 1	000	60 60			
	75-79 years	4.0			7	44			111-1
	70-74 years	00.44	1 2		127			1111	
	65-69 years	13			AH	1010			61
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	22-29 years	122		7				1111	
	20-24 years	9				400			
20	42-49 years	4-1		111					
AGES	40-44 years	-							
4	32-39 years		11711						
	30-34 years		11171			27-	-		
	25-29 years			111					
	Z0-Z4 years	1111		111	11111	0101	111	1111	11111
	12-19 years								
	10-14 years							7	
	5-9 years				11111				
	4 years			111			111	1111	
	3 years	1111		111			111	1111	11171
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		gan		or			Diseases of the nasal fossae and accessory sinuses Diseases of the larynx	11	TI
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		Diseases of the coronary arterles Angina pectoris Functional diseases of the heart (no organ	Other diseases of the heart (rheumatic)	urysm (heart and aorta excepted	oolo	DIS	es o	Bronchitis, acute Bronchitis, chronic	Bronchitis, unspecifiedncho pneumonia
	BILLER		of of	Aneurysm (heart and aorta excepted) Arteriosclerosis (coronary or renal	Diseases of the veins	VIII.—DI SYSTEM	Diseases of the nasal for Diseases of the larynx	(a) Bronchitis, acute (b) Bronchitis, chroni	(c) Bronchitis, unspe Broncho pneumonia
	4 4 3	(a) (b)	(e) (p)	An	Dis	VIII.—DISEASES SYSTEM	Dis	(a)	(c) Broi
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(b) Intestinal obstruction
(a) Hernia (b) Intestinal obstruction
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TABLE 20.-CAUSES OF DEATH BY SEX AND AGE IN CALGARY, 1942-Continued

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	80-84 years			111	111			-		-	-				
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	32-39 years		111	111	111	11	11			-	11	11	11	1 1	11
	30-34 years			111	111				1		11	11	11	111	11
	25-29 years				111	III	III		1	III	III	H	II	II	T
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	CAUSES OF DEATH		alcoholism	(a) Acute yellow atrophy of the liver	(b) Other diseases of the liver Biliary calculi	Other diseases of the gall-bladder and bile ducts	Peritonitis without stated cause	S3	Acute nephritis	Chronic nephritis	Nephritis unspecified (over 10 years of age)	Other diseases of the kidneys and ureters.	Calculi of the urinary passages	Diseases of the urinary bladder.	Diseases of the prostate
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es of the ovaries, Fallopian tubes and etria	Of the uterus	XI.—DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE	spontaneous, therapeutic or with mention of infection	luced abortion with mention of	ion, non-therapeutic, with mention	(a) Ectopic gestation with mention of infection	Other diseases and accidents of pregnancy, death prior to delivery	Haemorrhage of childbirth and the puerperium	Infection during childbirth and the puerperium.	(a) Other accidents of childbirth	CLASS XII.—DISEASES OF THE SKIN AND CELLULAR Fotal TISSUE Fema	CLASS XIII.—DISEASES OF THE BONES AND ORGANS Total Male OF MOVEMENT Fema	Other diseases of the bones (tuberculosis ex-	XIV.—CONGENITAL MALFORMATIONS	(a) Congenital hydrocephalus
(a) Diseases of parametria	(b) Of the		(a)	(b) Self-inc fection	(c) Abortion, infection						XII.—DISEA TISSUE	XIII.—DISEASES OF MOVEMENT		ONGENITAL	
139		CLASS	140			142	145	146	147	149	CLASS	CLASS	155	XIV.—C	157

TABLE 20.-CAUSES OF DEATH BY SEX AND AGE IN CALGARY, 1942-Continued

		VITAL STATISTICS BRANCH
1	Not stated	
	100 years	
	92-99 years	
	90-94 years	
	82-89 years	
	80-84 years	
	75-79 years	
	70-74 years	
	65-69 years	
	60-64 years	
	22-29 Years	
	20-24 years	
70	42-49 years	
AGES	40-44 years	
A	32-39 years	
	30-34 years	
	S2-S9 years	
	20-24 years	
	12-19 years	
	10-14 years	
	5-9 years	
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		Male Female Male Female Female Female Male Female Female Male Female Male Female Male Female Female Male Female Female Female Male Female Female Male Female Male Female Female Male Female Male Female Male Female Female Male Female Male Female Female Female Male Female
	CAUSES OF DEATH	(c) Spin bifida and meningocele (d) Congenital malformations of the heart (e) Others under this title (f) Congenital debility (e) Others under this title (f) Congenital debility (e) Other intracranial or spinal haemorrhage (f) Other diseases peculiar to the first year of life (a) Asphyxia (unspecified), atelectasis (b) Infections (c) Other specified diseases peculiar to the first year of year of life (c) Other specified diseases peculiar to the first year of femal other infections (c) Other specified diseases peculiar to the first year of femal year of life (d) Infection of the umbilicus, pemphigus and other infections (e) Other specified diseases peculiar to the first year of life (e) Femal Male Femal Male Femal year of life (e) Other specified diseases peculiar to the first year of life (e) Other specified diseases peculiar to the first year of Femal Male Femal year of life (c) Other specified diseases peculiar to the first year of Femal Male Femal year of life (d) Male Femal Male Femal Male Femal Male Semal
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4-8	2 111 2 s	67 le 20	le	e e	e e	9 9	male I	le	le	e	e I	e .	le	le	e e	
	HH [0]		Male Female	Female Male Female	Male 1 Female 4	Female Male Female	Female I	le	Female Male		Male 1	Female 3 Male		Female	Female 3 Male 1	
4-8	2 111 2 s	Total 67 Male 47 Female 20	Male Female	Female Male Female	e e	Female Male Female		le	Female Male	Female	Male 1	e .	le	Female	Female 3 Male 1	
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4-8	2 111 2 e e	Total 67 Male 47 Female 20	Male Female	Female Male Female	Male Female Male	Female Male Female		Female Male	Female Male	Female	Male 1	e .	Female	Female	Female 3 Male 1	
4-8	2 111 2 e e	Total 67 Male 47 Female 20	Male Female	Female Male Female	Male Female Male	Female Male Female		Female Male	Female Male	Female	Male 1	e .	Female	Female	Female 3 Male 1	
4-8	2 111 2 e e	Total 67 Male 47 Female 20	Male Female	Female Male Female	Male Female Male	Female Male Female		Female Male	Female Male	Female	Sub-total Male	Female	Female	Female	Female 3 Male 1	
4-8	Male 1 Male 1 Male 2	Total 67 Male 47 Female 20	Male Female	Female Male Female	Male Female Male	Female Male Female	Total	unspecified means Male	Female Male	Female	Sub-total Male	Female	Female	Female	Female 3 Male 1	
4-8	tia Male 1 Male 1 Male 2	Total 67 Male 47 Female 20	Male Female	Female Male Female	Male Female Male	Female Male Female	Total	unspecified means Male	Female Total Male	Female	Sub-total Male	Female	Female	Female	Female 3 Male 1	
Total 4 Male 1 Female 3	tia Male 1 Male 1 Male 2	Total 67 Male 47 Female 20	Male Female	Female Male Female	Male Female Male	Female Male Female	Total	unspecified means Male	Female Total Male	Female	Sub-total Male	Female	Female	accidents (excluding trains or Male	Female 3 Male 1	
Total 4 Male 1 Female 3	tia Male 1 Male 1 Male 2	Total 67 Male 47 Female 20	Male Female	Female Male Female	Male Female Male	Female Male Female	Total	unspecified means Male	Female Total Male	Female	Sub-total Male	Female	Female	accidents (excluding trains or Male	Female 3 Male 1	
Total 4 Male 1 Female 3	tia Male 1 Male 1 Male 2	Total 67 Male 47 Female 20	de by poisoning by corrosive substances,	Female Male Female	Male Female Male	Female Male Male Female Female	by firearms	unspecified means Male	Female Total Male	Female	Sub-total Male	Female	Female	accidents (excluding trains or Male	Female 3 Male 1	
Total 4 Male 1 Female 3	tia Male 1 Male 1 Male 2	Total 67 Male 47 Female 20	de by poisoning by corrosive substances,	Female Male Female	Male Female Male	Female Male Male Female Female	by firearms	unspecified means Male	Female Total Male	Female	Sub-total Male	Female	Female	accidents (excluding trains or Male	Female 3 Male 1	
Total 4 Male 1 Female 3	tia Male 1 Male 1 Male 2	Total 67 Male 47 Female 20	de by poisoning by corrosive substances,	Female Male Female	Male Female Male	Female Male Male Female Female	by firearms	unspecified means Male	Female Total Male	Female	Sub-total Male	Collisions with trains Male	Collisions with street-cars Male	Automobile accidents (excluding trains or Male	Street-car accidents (excluding trains and Male 1 Female 3	
Total 4 Male 1 Female 3	(a) With dementia Male 1 Female 1 Male 1 Female 2	Total 67 Male 47 Female 20	Suicides (a) Suicide by poisoning by corrosive substances, Solid and Hould poisons	(b) Suicide by poisonous gas Female Female	(b) By drowning (b) By drowning (c) Male (d) (e) By drowning (e) Male	(c) By firearms or explosives Male Male Female	Homicide by firearms	Homicide by other or unspecified means. Male	Accidental deaths Total Male	Railway accidents (excluding motor vehicles) Male	Motor vehicle accidents Sub-total Male	Female	Female	accidents (excluding trains or Male	(a) Street-car accidents (excluding trains and male 1 Female 1	
Total 4 Male 1 Female 3	tia Male 1 Male 1 Male 2	Total 67 Male 47 Female 20	Suicides (a) Suicide by poisoning by corrosive substances, Solid and Hould poisons	(b) Suicide by poisonous gas Female Female	Male Female Male	(c) By firearms or explosives Male Male Female	Homicide by firearms	unspecified means Male	Accidental deaths Total Male	Female	Sub-total Male	Collisions with trains Male	Collisions with street-cars Male	Automobile accidents (excluding trains or Male	Street-car accidents (excluding trains and Male 1 Female 3	
4-8	(a) With dementia Male 1 Female 1 Male 1 Female 2	67 le 20	Suicides (a) Suicide by poisoning by corrosive substances, Solid and Hould poisons	(b) Suicide by poisonous gas Female Female	(b) By drowning (b) By drowning (c) Male (d) (e) By drowning (e) Male	Female Male Male Female Female	Homicide by firearms	Homicide by other or unspecified means. Male	Female Total Male	Railway accidents (excluding motor vehicles) Male	Motor vehicle accidents Sub-total Male	Collisions with trains Male	Collisions with street-cars Male	Automobile accidents (excluding trains or Male	(a) Street-car accidents (excluding trains and male 1 Female 1	

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	85-89 years				11	11				11	-		111	
		-	H		11	11	1		11	11	H	4 3		
	80-84 years	-	1 1	-	11	1 1			11	11	: 0	4	111	111
	70-74 years					1 1			11		010	0		
			11			11			11	11	T	1 1		
	65-69 years		-		-					-		9		
	8169 ¥8-08		11			11			11		11		111	111
	22-29 years	i				11			11	1 1	-	1 1	111	111
	50-54 years	-	-	-	11	11				111	-	1 1	111	111
ES	45-49 years	1	11			11			11	11	11		111	111
AGES	40-44 years	-	-			11			1	11	11		1 1 1	111
	32-39 years		11			11				11	11	1 1	111	111
	30-34 years	- 1	11			11				1 1		1 1	111	
	S2-S9 years	1	11	1 1	11	11				: :	11		111	111
	20-24 yeras	63			11	1				11	-	1 1	-	iti
	12-19 years	1	11			11			-			1 1		
	10-14 years	-1	!!	1 1		11	1			-			111	111
	5-9 years		1 1	1			-		11	1	11	1 1		111
	4 years	-					1		11	11				1111
	3 years					11			1 1	11	1 1			111
	2 years		11			11	1		11	11	11		111	111
	I year		11				1		11	1 1	11			11/1
	Under 1 yr.	- 1	11						1 1	1 1	11		-	
	Total	4	2		-	1				61	9	-		
		Male	Female Male	remaie	Female Male	Female Male	Female	Female Male	Female Male	Female Male	Female		Female Male Female	S Total Male Female
	CAUSES OF DEATH	Air transport accidents	Accidents in mines and quarries	(a) Accidents involving agricultural machinery and vehicles	(b) Injury by animals, in agriculture	Other accidents involving machinery	(a) Accidental absorption of coal and illuminating	Acute accidental poisoning by solids or liquids	Accidental burns (conflagration excepted)	Accidental drowning	(a) Accidental injury by fall	(d) Obstruction, suffocation or puncture by ingested objects	(e) Other and unspecified accidents	CLASS XVIII.—ILL-DEFINED AND UNKNOWN CAUSES Total OF DEATH Fema
		173	174	175		176	178	179	181	183	186	195		SS 3
			-	-		-	-	-	-	-	7.4	-		9

E ACCORDING	
ABOV	193
NATAL DEATHS ARE CLASSIFIED ABOVE ACC	. 186. 187 AND
ARE C	185, 18
ATHS	182, 183, 185,
L DE	11. 182
EN TA	180, 181,
CCID	178. 1
THESE ACCIDEN TA	(69 TO 176, 178, 180,
7. T	169
E OF INJURY. T	UNDER RUBRICS 169 7
NATURE	UNDER
TO THE 1	ACCIDENT
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TAL DEATHS AC	INVOLVI
ACCIDENTAL DE	CIRCUMSTANCES
OF	TO
CLASSIFICATION	

Accidental absorption of poisonous gas Male Female 1 1 2 1 2 1 1 2 1 1 2 1					-		ŀ	l	l	l	l												
Female Female								-													-	-	-
Female 1	Accidental absorption of noisonous gos	Minlo															_						
Female 1	sacration of horsenge gas	mane and		Ļ			-	1000			-	-										-	
Male Female 1		Fernale	-					8							-	-						-	1
Female	Accidental burns	Malo					-							-	4	-				1000		100	-
Female Female 5 1 1 2 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1		Domete	+	-			1	1000	1			ű,		1		-				1000		100	
Female 5 1 1 2 1 2 1	Accidental machanical enfloantion	Mele		-									-	1000						-	-		-
Female 5 1 1 2 1 1 2 1	TOTAL TITLE THE TOTAL DATE OF THE TOTAL THE TO	Pomele					ī	-	1				-	1	-	-				-	-	1000	-
Female 3 1 1 2 1 2 1 1	Accidental drowning	Molo												1		-				-		-	-
ercing instruments Male 3 2 1 2 1 1 Remale 11 1 1 2 2 2 1 1 Remale 19 1 1 3 5 1 1 2 2 2 1 1 Female 19 1 1 3 5 1 1 2 1 1 1	0	Domosto					0.00		7				1	-		÷				-	-	-	-
Female 1 1 2 2 2 1 1 2 1 2 1 2 1 1	Accidental intury by cutting or niepoing instruments	Melo						1	Ĺ,	-				T		-					1	and an	-
Female 8 1 1 2 2 2 1 1 1 1 2 1 2 1 1	the state of the s	Donote					-	-						I						I	-	and ann	-
Female 1	Accidental injury by fall	Mala					-	-					100						-	-	1	100	-
Female 19 1 1 3 5 1 1 2 1 2 3 2 1 Female Fem	The state of the s	Pennsylv					Ī	1		1			****	i	74.5		1		-	-			-
Female 13 1 1 2 1 1 2 1 2 1	Accidental injury by censhing	Mele		-				."					17	1					-		63		
Male Female	The state of the s	Male						-	27				1	27					10000	-	100		-
Female	Accidents due to electric currents	Melone		-		-	1000	-						1		4				-	-	100	-
	The state of the s	Pomole						-								-				-	-	and ann	
		remare					1000							1000	-	-					-	and and	
						9	Ī	_			_											-	

TABLE 21.—CLASSIFICATION OF ACCIDENTAL DEATHS ACCORDING TO THE NATURE OF INJURY. THESE ACCIDENTAL DEATHS ARE CLASSIFIOD ACCORDING TO CIRCUMSTANCES INVOLVING THE ACCIDENT UNDER RUBRICS 169 TO 176, 178, 180, 181, 182, 183, 185, 186, 187 AND 193.

ist No.	CAUSES OF DEATH	Male	Female
-	Accidental absorption of poisonous gas	6	1
74	Accidents in mines and quarries	2	
78	Accidental absorption of poisonous gas Conflagration	3 1	1
70c	Accidental burns Automobile accidents (excluding trains or street-	26	9
13	Air transport accidents	8	****
5c	Other agricultural accidents	2	
0	Conflagration	7 8	5
31	Accidental burns (conflagration excepted)	0	4
1	Accidental mechanical suffocation	15	4
14	Accidents in mines and quarries	1	1111
32	Accidental mechanical suffication	14	4
- 1	Accidental drowning	53	10
10c	Automobile accidents (excluding trains or street-		
	cars)	3 2	3
72 75c	Water transport accidents Other agricultural accidents	1	****
16	Other accidents involving machinery	2	
3	Accidental drowning	45	7
5a	Accidental injury by cutting or piercing instruments Accidents involving agricultural machinery and	4	
	vehicles	2	
6	Other accidents involving machinery	2	
1	Accidental injury by fall	42	31
70c	Accidental injury by fall Automobile accidents (excluding trains or street-		2
1b	Other road transport accidents (excluding street- cars, trains and motor vehicles)	3	1
75a	Accidents involving agricultural machinery and vehicles	7	1
75b	Injury by animals, in agriculture	4	
75c 86a	Other agricultural accidents Accidental injury by fall	26	28
150M	Accidental injury by fair	20	20
1	Accidental injury by crushing	192	9
70a	Railway accidents (excluding motor vehicles)	7 3	
70b	Collisions with trains Collisions with street-cars	2	
70c	Automobile accidents (excluding trains or street-		
70-31	Cars)	38	8
70d 71a	Motorcycle accidents (excluding automobiles)	-	
	vehicles	2	
71b	Other road transport accidents (excluding street-		
73	cars, trains and motor vehicles Air transport accidents	2 78	1
74	Accidents in mines and quarries	15	
75a	Accidents involving agricultural machinery and		
753	vehicles	11	100
75b 75c	Injury by animals, in agriculture Other agricultural accilents	4	
75d	Accidents involving forestry machinery and vehicles	1	****
75e	Other forestry accidents	6	0.00
76 86b	Other accidents involving machinery Accidental injury by crushing	8 2	

TABLE 22.—TOTAL DEATHS (EXCLUSIVE OF STILLBIRTHS) AND DEATHS IN INSTITUTIONS, CLASSIFIED ACCORDING TO RESIDENCE OF DECEDENTS CLASSIFIED ACCORDING TO RESIDENCE OF DECEDENTS CLASSIFIED ACCORDING TO RESIDENCE OF DECEDENTS

11	1.5-	1 1 0	Lamma	1 10 1
l su	re and	resi t in	Female	[= 00 m m
Deaths elsewhere than in Institutions	Non-resident in cortown where death occurred as	Non-resi dent in Provinc	Total	00 to mi ve
stit	iden wn ccun		Female	0000
l Ir	r to	Resident in Province	Male	00 1
9	Non	Res	Total	50 00 DI ==
th th	-	ş	Female	** t0 00 00
ere		iden	Male	8000
ewl		Res	Total	338
els			Female	158
aths	1	Total	Male	210 21 21 24
De		Ę.	IntoT	368 259 41 42
	nd nd	in in	Lemale	00110
	in o	Non-resi dent in Province	Male	16 4 8
	urre urre	PdeN	Total	13
suc	Non-resident in city or town where death occurred and	ent	Female	-
futte	or death	Resident in Province	Male	253 52 18
nstir	No	M M	IstoT	182 413 76 30
Deaths in Institutions		nts	Female	
hs		side	Male	245 277 29
Deat		Re	IstoT	3 425 4 464 8 86 4 49
1		_	Female	354
		Total	Male	1 378 4 540 7 113 2 55
			IstoT	631 894 167 92
	city	esi- in	Female	0040
	ent in city n where curred and	Non-resi- dent in Province	Male	12552
	ent n w	Pak	IstoT	11 6 22 32
	Non-residen or town death occur	lent nce	Female	2 169 2 26 2 26 9 12
hs	or or eath	Resident in Province	Male	1 262 8 52 1 19
Deat	4		Total	3 431 7 78 8 31
All Deaths		lent	Female	438 324 417 283 77 47 48 38
A		Residents	Male	86 43
		4	Female	411 762 461 700 74 124 55 86
		2	Male	588 4 692 4 134 79
	E	Total		999 5 1153 6 208 1 134
			Total	
		Cities		Cities: Calgary Lemonton Lethbridge Medicine Hat

TABLE 23.—TOTAL DEATHS (EXCLUSIVE OF STILLBIRTHS) AND DEATHS IN INSTITUTIONS, SHOWING THE NUMBER NON-RESIDENT IN ALBERTA, 1942

			All D	All Deaths					In Institutions	itutions		
		Total		Non	Non-resident in Province	nt in		Total		Non	Non-resident in Province	H H
The second secon	Total	Male	Female	Total	Male	Total Male Female Total Male Female Total Male Female Total Male Female	Total	Male	Female	Total	Male	Femal
Total for the Province	1609	3724	2367	187	147	40	3262	1900	1272	91	29	26

TABLE 24.—RATE PER 100,000 POPULATION AND NUMBER OF DEATHS BY AGE PERIODS FROM CERTAIN SPECIFIED CAUSES, FOR THE WHOLE PROVINCE, 1942

Age not Stated 2 6 12 725 80 years and over 37 12 70-79 years 30 30 30 8 107 10 8169 years 20-29 years 40-49 years of Deaths 30-39 years 20-29 years Number 12-19 years 10-14 years 100 5-9 years 00000 I-4 years 200 = Under I year 26223633 All Ages Death Rate per 100.000 Population the Haemorrhagic infarction, congestion, oedema and thromof Alcoholism
Meningitis (non-meningococcal)
Intracranial lesions of vascular origin
Mental disorders and deficiency (general paralysis
insane excepted) Epilepsy
Diseases of the ear and of the mastoid process
Diseases of the heart Cancer and other malignant tumours
Tumours, non-malignant and not specified
Diabetes mellitus
Diseases of the thyroid and parathyroid Diphtheria
Erysipelas
Tuberculosis of the respiratory system
Tuberculosis, other organs
Purulent infection and septicaemia
Syphilis
Influenza
Smallpox Acute poliomyelitis and polioencephalitis CAUSES OF DEATH Leukaemias and aleukaemias Typhoid fever Cerebrospinal meningitis Scarlet fever Diseases of the arteries bosis of the lungs Whooping-cough Pnuemonia Anaemias Bronchitis Measles Code No 85 89-95 96, 97, 99, 102 107-109 111 1-2 14 14-22

1		-	-	-	1000	*****	-	101	-	1	-		40	1 -	1										-		1	4		4	1
4	-	10	4		0	1000	4	20	17	1	-	26	30	2	I		1		-		1	Ī		-	13	12	100	773		773	
61	4	16	00 0	OI;	14	9	133	12	19	-		24	4.50	000	,		10	63	-	-	10		02	7	21	23		1173	-	1117	
6/1	-	22		7	-	101	00 0	29	90		1	-	48	19	-		1	П			200	7	-	1000	13	45		1115		1128	
63		15	1	14	10	00	100	33	4		4	Ī	99	200	P IC	,	45	63	10	Ni	97	10		53	10	37	1000	811		818	
-	4	11		20.	4	04 .	40	16	-	4	T	1	52	19	-	1	00	63			010			33	133	55	-	403		410	
-	6.9	-1	031	0.0	20	7	-	20		13	-	-	30	18	2	63	9			10	r	- 00	-	4	-	27	-	272		275	
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T	63	-	46		-			7	Ī	100	101	-	31		00		-	i	1000	-			-	01	97	7		16		969	-
15	23	91	160	000	65	71	000	097	40	400	123	112	569	98	10	1	62	600	No	90	100	12	13	25	159	210	-	59		1609	-
1.	6.	02.0	200	01	-0	0.0	x0 c	20	00	90	y e	1	63	-	0	6					-	4	10	41		2	=	-	=	9	-
1.7	2.9	11.3	000	0.0	0.0	9.0	0000	0.50	0.0	0.00	26.32	13.7	69.2	10.4	1.0	6.0				10.7	5.5	1.4	1.5	6.4	19.7	34.3	=	749.3	=	756.6	
nexa and of the	***************************************		Annendicitie	other obstruction		The state of the s		of the weststa		PRI OFFICE	rst year of life		deaths			ccidents (excluding motor vehicles)	T.7		2.0	CHIDANIDO	nts	h			Other enaclfied conses			200		9	

TABLE 25.—MARRIAGES IN THE PROVINCE OF ALBERTA, BY MONTHS, 1942

	Total	2235 2009 132 2009 387 28 379 22 115 152 11 86 5 386 7 388 7 388 7 388 7 389 7 8 8 8 8 8 8 7 8 8 8 8 8 8 8 8 8 8 8	Total for the Province 9034 622	TABLE 26.—MARRIAGES—CONJUGAL CONDITION		Bachelors	Total Marri Spinsters	Total for the Province 9034 8014 214
	Leptnstl	146 137 137 10 10 10 10 10 10 10 10 10 10 10 10 10	2 631	ON OF	M	pue	Divorced	177
	Матсһ	129 126 24 29 111 7 205	536	1000	Marriages between	Widowers	Spinsters	209 167
	HindA	189 173 37 29 14 10 6 6	677	CONTRACTING	betwee	pue su	Divorced	32
	YeM	174 2 159 2 21 27 27 27 246 8 8 5 5	654 8			Divo	Spinsters	164
MONTHS	nnly	229 233 208 222 38 36 35 34 35 34 8 112 8 112 8 123	891 943	PARTIES, I		Divorced men and	Widows	25 32
IS	August	225 178 35 28 28 8 8 11 5 329	8 819	IN ALBI	Per	wl	Bachelors	93.0
	September	163 175 28 26 6 6 6 6 7 7	630	ALBERTA.	Per cent. of	who were	Widowers	4.5
	October	167 176 31 38 38 15 15 269	705	1942	of	e e	Divorced	2.4
	November	223 147 42 47 9 9 10 10	964		Per c	Bride	Spinsters	92.8
	December	220 176 34 39 21 9 9 14 341	854		Per cent. of	des who	Divorced	4.5 2.7

75 & OVET 64 26 20 69-59 1100004 19-09 1 14000 69-99 33 23 34 28 20 20 16 13 21 18 64 31 19-09 69 48 C3 C0 C0 C0 01 4401401 46 47 ----44 45 4 43 42 01-0201 40 38 39 507 407 284 248 186 160 135 106 76 88 71 54 50 50 34 H H MHHMHM M440H MMH HHMMH 36 37 H 00-01- 01-4-01400-010-1 -01-00000 00000 HP040000000000000 H00 H 331 a 8848 85888884488 488884488 33 34 имненаамемаминнеемна вимни н 323 Brides 31 30 01-07-00-00-10-1-01-00-00-44000000-0001-1of 29 12160000474000000004000 28 11200222222222222 27 111 26 25 32 113 534424253335664344455 14 134 329 690 817 843 1150 902 717 610 24 23 22 21 20 19 003336 0036 0036 18 212233344488653447372 17 100253403340334035551 16 Under 16 Grooms 9034 IstoT of Bridegrooms Total brides over 18 Under 118 Chide

TABLE 27.—MARRIAGES—AGES OF BRIDEGROOMS AND BRIDES, 1942

TABLE 28.—MARRIAGES—BIRTHPLACES OF BRIDEGROOMS AND BRIDES, IN ALBERTA, 1942

11	1	Unspecified	- 1111111-11 111111 111	11111
	530	Other American Countri Other Countries	4 1 10	
		United States	250 1153 1153 1169 1169 1169 1169 1169 1169 1169 116	800
	-	Otpet	H	
	Asia	ueder		THE
	4	China		
		Other	8 1 3 2 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 1	23 11
		Yugoslavia		
	1	Sweden	3 2	61
		(.A.S.S.U) sissuA	8	18
		Roumania	1 1 1 2 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	=
	1000	Poland	29 28164 14111	20.00
	11 3 1	Norway	0	4
	9	Netherlands	8	61 1
	Europe	Italy	20	4
	ñ	Hungary	E 1 40 EE	50
		Germany	1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4
		France	8 111 1 2 2	
les			8	=
Brides		Finland	∞ H H ∞ ∞ NN	9 : 9
Jo		Denmark	1 12 1021 1	8 13
		Czechoslovakia	-5	2
olac		Belgium	0 0	96
Birthplaces		Austria	2	
Bi	Posses-	Other		
	British	Newfoundland	-	11111
	99	Other		
	British Isles	Wales	8 1 10451 51 85	4
	sh	Scotland	69 11 11 118 25 25 25 27 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-
	Briti	Ireland	2 1 12321 2322	63
	ш	England	152 111 118 118 118 118 118 118 118 118 11	70 -
		Prov. not specified		-
		British Columbia	166 111 113 113 114 114 114 114 114 114 114	9 1
		Alberta	113 233 232 232 232 232 1198 1198 3329 134 36 103 36 103 36 103 1103 1103 1103 110	241
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		Birthplaces of Bridegrooms	Prince Edward Island Nova Scotia Nowa Scotia New Brunswick Quebec Ontario Manitoba Saskatchewan Alberta British Isles England Ireland Scotland Vales Other Newfoundland Other Other	Europe Austria Belgium Chzecoslovakia Denmark

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TABLE 29.-MARRIAGES-DENOMINATIONS OF CONTRACTING PARTIES, ALBERTA, 1942

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Moravian Church Mormons Mormons Mormons Non-denominational Oriental religions Pentecostal Assemblies Plymouth Brethren Presbyterians Reformed Churches (Christian) Roman Catholics Salvation Army Society of Friends Spiritualists Swedenborgians Unitarians	Total brides

VITAL STATISTICS BRANCH

TABLE 30.—DIVORCES AND NULLITIES BY JUDICIAL DISTRICTS FOR THE YEAR 1942

		Divorce	s	Nullities				
Judicial Districts	Number of Divorces	Granted to Husband	Granted to Wife	Number of Nullities	Granted to Husband	Granted to		
Edmonton	186	90	96	3		3		
Calgary	142	55	87	1	1			
Lethbridge	23	13	10					
Medicine Hat	10	7	3	2000				
Peace River	3	3				2000		
Grande Prairie	3		3	****				
Hanna						****		
Red Deer	4	3	1	****		2010		
Drumheller	8	7	1		****			
Macleod	100	414	101	1		1		
Wetaskiwin	1	1				****		
Total	380	179	201	5	1	4		

DIVORCES IN ALBERTA SINCE THE PASSING OF THE ACT

	Year	Granted to Husband	Granted to Wife	Total
010		3	3	6
20	***************************************	74	26	100
21		53	37	90
22		80	49	129
23	***************************************	57	32	89
24	***************************************	66	53	119
29		59	42	101
25		79	75	154
26	***************************************	09	ee	149
27	***************************************	00	94	175
28		77	71	148
29		11	87	151
30		04		151
31		69	87	156
32		68	81	149
33		56	79	135
34		62	106	168
35		74	135	209
36		74	135	209
37		102	139	241
38		105	162	267
39		104	163	267
40		119	154	273
41		135	176	311
49		380	201	179

TABLE 31.—BIRTHS OF INDIANS (EXCLUSIVE OF STILLBIRTHS), BY MONTHS, ALBERTA, 1942

	Total	Months											
		January	February	March	April	May	June	July	August	September	October	November	December
Total for the Province	937	87	76	104	74	78	59	80	73	78	54	80	94

TABLE 32.—BIRTHS OF INDIANS (EXCLUSIVE OF STILLBIRTHS), CLASSIFIED AS LEGITIMATE OR ILLEGITIMATE, ALBERTA, 1942

	Total Births			Legitimate			Illegitimate		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total for the Province	937	484	453	793	409	384	144	75	69

TABLE 33.—DEATHS OF INDIAN CHILDREN (EXCLUSIVE OF STILLBIRTHS). FROM CERTAIN SPECIFIED CAUSES IN FIRST YEAR OF LIFE FOR EACH SEX. ALBERTA, 1942

Int. list No.	Causes of Death	Total	Male	Female
	ALL CAUSES	113	67	46
6	Cerebrospinal meningitis			-
8	Scarlet fever			****
9	Whooping-cough	2		2
10	Diphtheria			1000
11	Erysipelas	4.0	-	-
13	Tuberculosis of the respiratory system	12	7	5
14-22	Tuberculosis, other forms	4	2	2
24	Purulent infection and septicaemia	3	119	2
27	Dysentery	1	1	1
30	Syphilis	1		1
33	Influenza	1		1
35	Measles Acute poliomyelitis and polioencephalitis			-
36 64	Diseases of the thumus gland			777
81	Diseases of the thymus gland Meningitis (non-meningococcal)	2	1	1
86	Convulsions			
89	Diseases of the ear and of the mastoid process			1
105	Diseases of the larynx			1
106	Bronchitis	1	1	100
107	Bronchopneumonia	19	13	6
108, 109	Pneumonia	28	15	13
115	Diseases of the buccal cavity and annexa, and of			
110	the pharynx and tonsils			1
116-118	Diseases of the stomach	2	1	1
119	Diarrhoea and enteritis	5	5	
122	Hernia, intestinal obstruction		100	
130	Acute nephritis	1	1	1
157	Congenital malformations	1	1111	1
	(a) Congenital hydrocephalus		11111	
	(d) Congenital malformations of the heart	913	1411	****
	(b, c, e) Others under this title	1	1717	1
158	Congenital debility	4	3	1
159	Premature birth	8	6	2
160	Injury at birth	4	3	1
161	Other diseases peculiar to the first year of life	1	1	1111
166-168	Homicides	1	1	
169-195,	00 - 11-11-11-1			
197	Other violent deaths	6	4	2
100 000	Other specified causes			
199, 200	Ill-defined and unknown causes of death	6	2	4

TABLE 34.—CAUSES OF DEATH OF INDIANS BY SEX AND AGE, ALBERTA, 1942

		VIT	AL ST	ATIST	ICS .E	RAI	NCH		
1	Not stated		111	111	1111	111	1111	1111	111111
	100 years	01	111	111	THE	111	1111		
	95-99 years		111	111	HH			1111	
	90-94 years	111	111	111	1111	111	1111	1111	TITTE
	82-89 years	P-10 01		111	1111	-		THE	TITITI
	80-84 years	192	0101	TIT	TITT	-		7111	THITH
	12-19 years	15	2	111	1111			-	
	70-74 years	6118	10 61 63	Till	7777	- 04		THE	TITLE
	65-69 years	101	10-4	TIT	HIII		60 60	TITT	TITITI
	60-64 years	F- 44 (5)		111	1:11	=		1111	THIT
	22-23 Assts	504	104-	111	1111	4-	02-04-	-	
	20-24 years	0 - 01	62 - 64	111	TITT	- 61	1010	TITT	
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	S2-S9 years	0 9 4	10 60 61	111	1111	63 64	00-00	7711	THIT
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	15-19 years	25 17 8	13 8	111	1111	.23	12 4	63 63	TIP TIT
	10-14 years	20 10 10	13	1111	1111	4 00	0110-010	(0) (0)	111111
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	Total	383 209 174	151	111	120	652	33322	28.88	-8
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		Total Male Female	Total Male Female	Male Female Male		e e	e e	le le	Male Female Male Female Male Female
1		- 1	1	1, 1	11	Total	of of	sn	
	CAUSES OF DEATH	DEATHS—ALL CAUSES	CLASS I.—INFECTIOUS AND PARASITIC DISEASES	1 Typhoid fever 8 Scarlet fever	9 Whooping-cough 10 Diphtheria	1000	13 Tuberculosis of the respiratory system. Sub-total Male Fema (b) Without mention of occupational diseases of Male lungs	(c) Unspecified site Male Fema 14 Tuberculosis of the meninges and central nervous Male system	15 Tuberculosis of the intestines and peritoneum 16 Tuberculosis of the vertebral column 17 (b) Tuberculosis of the joints
		DEAT	CLAS			13-22			

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(a) Acute generalized miliary tuberculosis Male Dysentery Dysentery (d) Syphilis (d) Syphilis (e) Syphilis II.—CANCER AND OTHER TUMOURS (e) Of the intestines (f) Of the pancreas (g) Of the pancreas (h) Of other and unspecified sites of the uterus (b) Of other and unspecified sites of the uterus (c) Of other and unspecified sites of the uterus (d) Syphilis (e) Of the invertible of the cervix (f) Of the liver and biliary passages (g) Of the pancreas (h) Of other and unspecified sites of the uterus (h) Of other and unspecified sites of the uterus fremale sites of the uterus fremale sites of the uterus fremale sites of the uterus frem	(a) Non-malignant tumours of the ovary III.—RHEUMATISM, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS, OTHER Total GENERAL AND VITAMIN DEFICIENCY DISEASES Male Female 2	(b) Exophthalmic goitre The male and make and m

TABLE 34.—CAUSES OF DEATH OF INDIANS BY SEX AND AGE, ALBERTA, 1942.—Continued

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10	20-24 years	111	111				1111		111	
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A	40-44 years	111	111	11		11				
	32-39 years			11			1111	63 63	61	
	30-34 years	111	111			11		111	-	
	25-29 years		111			11			11	11711
	20-24 years	111	111	11		11			-	
	12-19 years	111	111	11	1111	11	1111			1111 1
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		Total Male Fema	Total Male Female	Male Female Male	Female Male Female	Male Female Male	Female Male Female	Total Male Female	Total Male Female or	Male Female Male Female Male
		NO	9					EM	78	
		CLASS V.—CHRONIC POISONING AND INTOXICATION Male Fema	CLASS VI.—DISEASES OF THE NERVOUS SYSTEM AND Total SENSE ORGANS Male Fema		Cerebral haemorrhage or effusion	origin Cerebral haemorrhage with mention of arteriosclerosis		CLASS VII.—DISEASES OF THE CIRCULATORY SYSTEM Male Fema	Bacterial endocarditis (acute, subacute or	unspecified (a) Specified valvular diseases (rheumatic) (b) Other specified valvular diseases (non-rheumatic
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	CAUSES OF DEATH	VIC	RG/	ran	ral	ral	es	SE	f th	sifie led spe atic
		RON	SEA	Intracranial abscess Simple meningitis	Cerebral haemorrhage or effusion Hemiplegia and other paralysis of u	origin Cerebral haemorrhag arteriosclerosis	seas	SE	es o	unspecified Specified vs Other speci
		СН	T.—DISEASES OF SENSE ORGANS				(b) Diseases of the mastaid process	-DI	Diseases of the heart	Sp off
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(d) Chronic myocarditis (non-rheumatic) Male 2 (e) Other myocarditis (not specified) Female 2 (a) Diseases of the coronary arteries Male 2 (c) Other diseases of the heart (non-rheumatic) Male 1 Diseases of the lymphatic system Female 1 VIII.—DISEASES OF THE RESPIRATORY Total 84 48 5 SYSTEM- Male 51 29 5 3 Female 33 19 3 2	Diseases of the nasal fossae and accessory sinuses Female 1 1	Total 20 7 5 1 Male
(d) Chronic myocarditis (non-rheumatic) Male 2 (e) Other myocarditis (not specified) Female 2 (a) Diseases of the coronary arteries Male 2 (c) Other diseases of the heart (non-rheumatic) Female 1 Diseases of the lymphatic system Female 1 VIII.—DISEASES OF THE RESPIRATORY Total 84 88 5 SYSTEM Male 51 29 5 3 Female 33 19 3 2	sal fossae and accessory sinuses Male 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

TABLE 34.—CAUSES OF DEATH OF INDIANS BY SEX AND AGE, ALBERTA, 1942—Continued

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1	betsta toN	111	1111	111		1	-	1	1	111	111
	and over	1111		111			1	1		111	
	100 years 95-99 years	TIII	TITT		H		1	1			
	90-94 years	111		111		1.	1	1	1		
	82-89 years	111					-			TIT	111
	80-84 years	111					1		1		TITT
	75-79 years			-			1	1	T		
	70-74 years	C1	-	-			1	1	1		1111
	62-69 years	0101	F	-			T	T	1	111	TIII
	60-64 years	2777	THE	-			-	1			
	22-23 Aests	111	11111				1	1	-	111	1111
	20-24 years						T	T	1	THE	TITI
10	42-49 years	111	TITE			1	1	T	T		777
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	30-34 Aegts			III		-1	1	T	-1		
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	20-24 years		н			- 64	T	H	-		-1111
	12-19 years	111	TIM			1	1	1			
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	CAUSES OF DEATH	CLASS X.—DISEASES OF THE URINARY AND GENITAL Total Male SYSTEMS Fema	1	Nephritis unspecified (over 10 years of age) Other diseases of the kidneys and ureters	Calculi of the urinary passages	XI.—DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE	(a) Placenta praevia	Infection during childbirth and the puerperium	(c) Other and unspecified conditions of child-birth and the puerperal state	CLASS XII.—DISEASES OF THE SKIN AND CELLULAR TOTAL TISSUE Fema	CLASS XIII.—DISEASES OF THE BONES AND ORGANS Total OF MOVEMENT Fema
		CLASS	130	132	134	CLASS	146	147	150	CLASS	CLASS

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TABLE 34.—CAUSES OF DEATH OF INDIANS BY SEX AND AGE, ALBERTA, 1942.—Continued

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	and over		
	100 years		
	92-99 years		
	85-89 years		
	80-84 years		
	75-79 years		
	70-74 years		
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	CAUSES OF DEATH	170 (c) Motor vehicle accidents 171 (b) Other road transport accidents 173 Food poisoning 174 Femalian 175 Food poisoning by solids or Ilquids 176 Accidental burns (conflagration excepted) 177 Femalian 187 Accidental mechanical suffocation 188 Accidental injury by firearms 189 Accidental injury by fall 180 (a) Accidental injury by crushing 180 (b) Accidental injury by crushing 180 (c) Accidental injury by crushing 180 (d) Obstruction, suffocation or puncture by ingested objects 180 (e) Destructions 190 CLASS XVIII.—ILL-DEFINED AND UNKNOWN CAUSES 190 Sudden death 190 Male 190 Femalian 190 Fema	(c) Unknown or unspecified cause
		170 171 177 181 182 183 184 195 195 195 199	200

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.

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Accidental absorption of poisonous gas	Male	-	-	-	-			-	-	-	-	0	-	-	-	1		-	1	-	-	-	1	
	Female	and the same	-	-	-	-	-	The same	-	-	100	-			-	-	-	1	Ī	-	-	-		
Accidental burns	Male	1	-		-		-	1	-	1	1	-	1	-	ī	*****	-	1	1	1	-	-		
	Female	1000	- lane		-	1000	1000	*****	-	-	-	-	+	-	-	-	-	-	1	-	-	1		
Accidental mechanical suffocation	Male	00	00	-	-		1100	-	1	-	-	-	-	****		-	I	1	1	-	-	-		
	Female	1	-		-	-		-	-	-	1	See June	-		-	100	-	-	-		-	-		
Accidental drowning	Male	7	-	-	-	-	-	00	1	-	-	1	1	1	ī	-	T	1	I		-	1		
	Female	1010	-		-	****	1	-	- Anto-	C. Marie	100		-	· seed	1	-	-		I	-	and Jose	-		
Accidental injury by cutting or piercing instruments	Male		-		1000	1	1	-	T	-	-	-	-	-	-	-	1	T.	-	-	-			
	Female	1000	-	1000	-	*****	-	-	-	-	-	-	-	-	-	1	-	100	-	-		-		1
Accidental injury by fall	Male	01	-		-	1	i	-		-	-	-	-	_	-	I	1	-	1111	1	-	-		1
	Female	1		0.00	-	-	-			1	-	-				1	-	7	1	-	-	-		
Accidental injury by crushing	Male	47	-		-	1	-	1	1	1	1	-	-		-	-	-	-	-	-	1	-		1
	Female	-	-		-	****	-	0000	1	18	100	-	-	-	Ī		-	-	I	1	1	-	_	
Accidents due to electric currents	Male	1000	-	min min	-	-	10	-	-	1	-	-	-		I	-	-	-	1	-	-	1		
	Female		1	101	-	-	1	1	1	1	1	-	-	1	1		1	1	I		1	-		1

Rate of Natural Increase	13.20 13.20
Puerperal Death Rate per 1,000 Births	6.6 8.9 8.1.6 7.6 7.8 7.8 7.8 7.8 7.8 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4.4 4
Infantile Death Rate per 1,000 Barths	129.00 129.44 129.44 129.44 120.47 120.47 120.47 120.47 120.48 120.00 12
Death Rate	10 88 88 88 88 88 88 88 88 88 88 88 88 88
Number of Deaths	1.1.021 1.021 1.021 1.03
Marriage Rate	86.77 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1
Number of Marriages	1,907 1,907
Rate Birth	22 22 22 22 22 22 22 22 22 22 22 22 22
Number of Births	2, 421 4, 7023 4, 7023 6, 897 10, 284 11, 871 11, 871 11, 871 11, 130 11, 130
Population	185,000 236,000 331,000 331,000 336,000 459,000 459,000 459,000 459,000 552,000 552,000 552,000 553,000 663,000 663,000 663,000 778,000 778,000 778,000 778,000 778,000 778,000 778,000 778,000 778,000 778,000 778,000 778,000 778,000 778,000 778,000 778,000
Year	
	9905 9905 9905 9906 9909 9909 9909 9909

TABLE 36.—DEATHS AND DEATH RATES FROM PUERPERAL CONDITIONS, 1942

	Births	Deaths from Puerperal Conditions	Death Rate per 1,000 Births
Whole Province	18,317	43	2.3
City of Edmonton City of Calgary Small Cities Rural	3,581 2,561 2,181 9,994	2 11 4 26	.5 4.3 1.8 2.6

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
905	1.059	3.11	1924	1,036	2.97
906	1.004	2.07	1925	1,042	3.18
907	1.075	2.96	1926	1,053	2.80
908	1.077	2.73	1927	1,065	2.94
909	1,086	2.59	1928	1.064	2.75
910	1,065	2.69	1929	1,042	2.71
911	1,103	2.43	1930	1,027	3.21
912	1,084	2.43	1931	1,075	3.25
913	1,053	2.67	1932	1,052	3.08
914	1,081	3.30	1933	1,053	3.01
915	1,000	3.47	1934	1,032	3.04
916	1,063	3.29	1935	1.055	2.81
917	1,061	3.25	1936	1,049	2.57
918	1,069	1.88	1937	1,019	2.38
919		2.56	1938	1,046	2.70
920		2.92	1939	1,046	2.85
921	1,055	3.32	1940	1,033	2.79
922		3.06	1941	1.054	2.71
923	1,072	3.13	1942	1,058	3.02

