

# **Annual report of the Department of Public Health of the Province of Saskatchewan.**

## **Contributors**

Saskatchewan. Department of Public Health.

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PROVINCE OF SASKATCHEWAN

ANNUAL REPORTS

OF THE

Department of Public Health

AND THE

REGISTRAR GENERAL

AS REQUIRED BY THE VITAL STATISTICS ACT

FOR THE CALENDAR YEAR

1938



REGINA:  
THOS. H. McCONICA, King's Printer  
1940



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Compliments of

Hon. J. M. Uhrich, M.P.

Minister of Public Health

Province of Saskatchewan

Regina, Sask.



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# Organization Chart Department of Public Health Saskatchewan



Costs Administered:—  
"SEE TABLE ON  
EXPENDITURES"

Minister of Public Health

**CANCER COMMISSION**  
Establish consultative diagnostic and treatment clinics. Control of Radiant supplies & derivatives. Education. Records & statistics. Liaison with research.

DEPUTY MINISTER

COUNCIL OF HEALTH

**ADMINISTRATION**  
Legislation, Financial control. Supervision of Director of Health, Hospital Management, Relief of Distresses, Financial Grants, Purchase and issue of supplies, Full-time Health Districts. Medical, Hospital and Nursing Services in Un-organized territory. Publicity.

**DIVISION OF COMMUNICABLE DISEASE**  
Epidemiology, Treatment & Supervision of Typhoids, Typhus, Louse of Veneralia, and Sera. Insulin, Quarantine & Dysentery, Care of the Dead, Control of Venereal Disease dispensaries. Free examination & treatment of STD. Investigation & follow-up. Education and Literature, Records and Statistics.

**DIVISION OF SANITATION**  
Engineering, Urban & Rural Sanitation, Liaison Hospital Organization, Milk Water & Ice supply, Sewerage systems & Sewage disposal, Trade wastes & Refuse disposal, Hospital Construction, Hotel & Restaurant Inspections, Country sites, Supervision of Eight Sanitation Districts.

**DIV. OF MATERNAL AND CHILD WELFARE & PUBLIC HEALTH NURSING**  
Maternity Grants, The school examination Clinics, Organizing assistance in Child Welfare, Infant Feeding Nursing & pre-natal instructions, Inspection of Nursing & Maternity Homes, and School children, Organization of Voluntary Centres, Co-operation with Local authorities.

**DIV. OF MENTAL HYGIENE**  
Control diet and exercise for work of Prevention, Treatment & Care of the Mentally Distressed and Mentally Deficient cases in Mental Institutions and in jails. Psychopathic Wards in General Hospitals. Mental Hygiene in Child Clinics. Systems of Practice.

**DIVISION OF LABORATORIES**  
**BACTERIOLOGICAL PATHOLOGY (SEM ANALYSES)**  
Examinations of Examinations of Food, Milk, Clinical material, faeces & other Milk, Alcoholic Reports of blood results of various investigations, etc. Tests prepared in Meat and skin of Veneralia, Animals. General Medicine—Legal work.

**DIVISION OF VITAL STATISTICS**  
Recording of Deaths, Marriage and Deaths, Statutes & Certificates, Records of Deaths, Marriage license control, Inspections, Transcripts for Dominion Authorities, Classification and Tabulation.

**DIV. OF PUBLIC HEALTH EXHIBITS**  
The Preparation of models for Typhoid and Exhibitions, Graphs, Posters and Drawings, etc.

HEALTH SERVICES BOARD

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#### ORGANIZATION

Minister of Public Health .....	Hon. J. M. Uhrich, M.D.
Deputy Minister and Registrar General ...	R. O. Davison, M.D.
Medical Officer and Acting Deputy Minister .....	C. F. W. Hames, B.A., M.D., D.P.H.
Director of Bacteriological Laboratory ...	Frances G. McGill, M.D.
Provincial Analyst .....	W. A. Riddell, B.A., M.Sc., Ph.D.
Director, Division of Communicable Disease .....	F. C. Middleton, M.B., D.P.H.
Director of Nursing Services .....	Miss R. M. Simpson, O.B.E., Reg.N.
Sanitary Engineer .....	J. G. Schaeffer, B.Sc.
Chief Clerk .....	W. D. Williams, M.C.
Supervisor, Office of Registrar General ...	D. K. LaFlamme

#### MENTAL HYGIENE

Commissioner of Mental Services and Superintendent, Mental Hospital, North Battleford .....	J. W. MacNeill, M.D., C.M.
Superintendent, Mental Hospital, Wey- burn .....	A. D. Campbell, M.B.
Director of Occupational Therapy (and Matron, Mental Hospital, North Battle- ford) .....	Miss Hazel Jacques
Director, Psychopathic Ward, Regina ....	O. E. Rothwell, B.A., M.D., C.M.

#### HEALTH SERVICES BOARD

Chairman .....	R. O. Davison, M.D.
Member for College of Physicians and Surgeons .....	H. H. Christie, M.D., C.M. (Ester- hazy, Sask.)
Member for Association of Rural Muni- cipalities .....	R. W. Hanham (Woodrow, Sask.)
Acting Secretary .....	W. L. Sandstrom

#### SASKATCHEWAN CANCER COMMISSION

Chairman .....	R. O. Davison, M.D.
Deputy Chairman .....	L. A. Roy, M.D.
Member .....	David Low, M.D., C.M.
Secretary .....	F. C. Middleton, M.B., D.P.H.


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DEPARTMENT OF PUBLIC HEALTH,  
REGINA, November 30, 1939.

TO HIS HONOUR,  
ARCHIBALD P. MCNAB,  
*Lieutenant Governor of Saskatchewan.*

MAY IT PLEASE YOUR HONOUR,—

I beg to present herewith for your consideration the annual reports of the Department of Public Health and the Registrar General for the calendar year 1938.

Respectfully submitted,

J. M. UHRICH, M.D.,  
*Minister of Public Health.*

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DEPARTMENT OF PUBLIC HEALTH,  
REGINA, November 30, 1939.

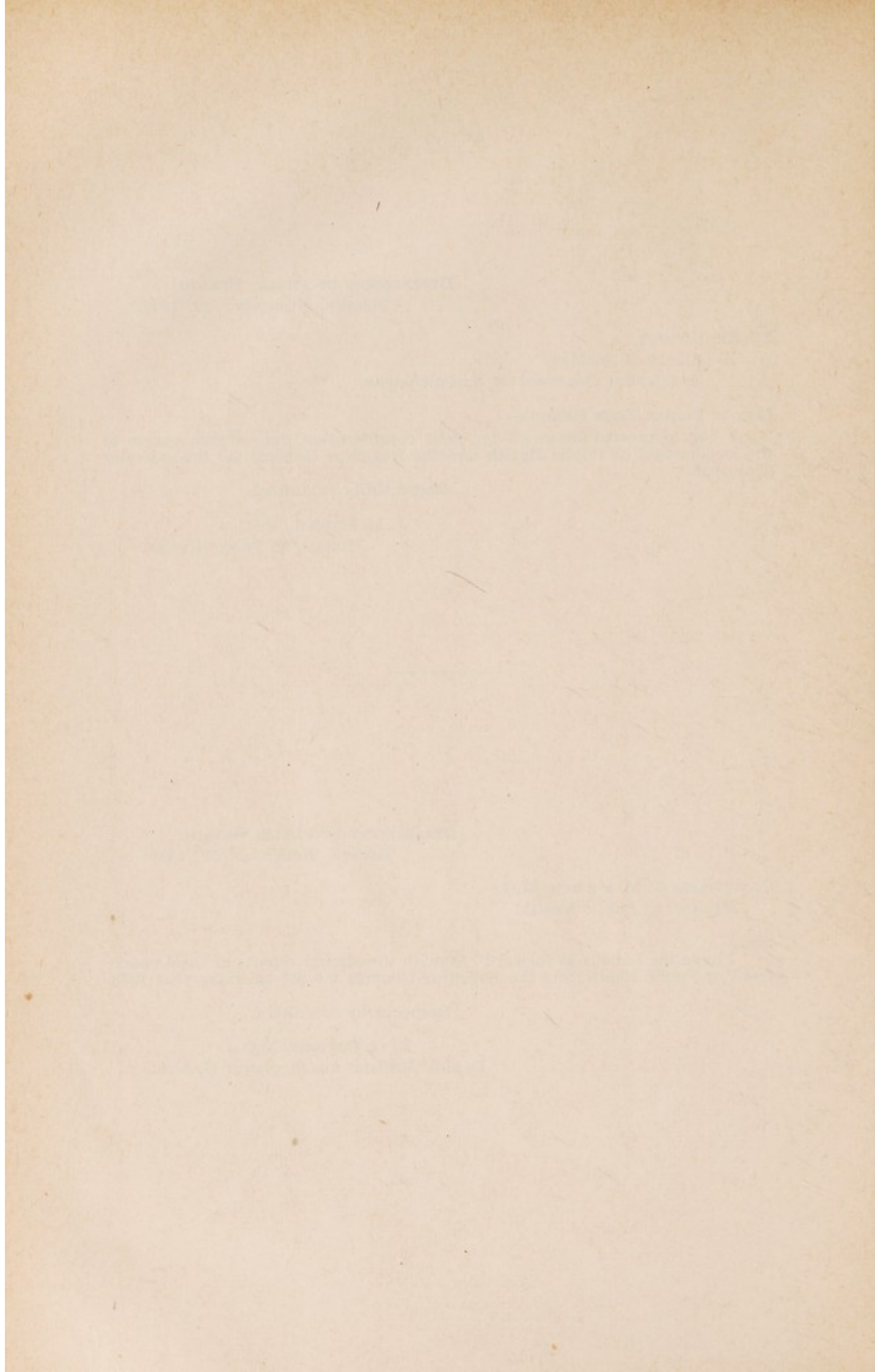
HONOURABLE J. M. UHRICH, M.D.,  
*Minister of Public Health.*

SIR,—

I have the honour to forward herewith the annual reports of the Department of Public Health and the Registrar General for the calendar year 1938.

Respectfully submitted,

R. O. DAVISON, M.D.,  
*Deputy Minister and Registrar General.*



# Twenty-Ninth Annual Public Health Report

## Including Vital Statistics

1938

### Council of Public Health

The twentieth meeting of the Council of Public Health was held on December 30, 1938, in Room 330, Legislative Building, Regina, at which the following members were present:

Dr. Arthur Wilson of Saskatoon.  
Prof. C. J. MacKenzie, C.E., of Saskatoon.  
Dr. W. W. Tyerman of Lang.  
Dr. R. G. Ferguson of Fort San.  
Dr. R. O. Davison of Regina (in the chair).

#### INDIGENT HOSPITAL PATIENTS

In connection with municipal authorizations for hospital care and treatment of their indigent patients the Council expressed the opinion that municipal officials should not have the right to authorize admissions to a hospital without the issuance of a request therefor from the attending physician.

#### REGULATIONS GOVERNING HOSPITALS

The need of a regulation detailing the method for the disinfecting of dishes used in hospitals was discussed. Due to the present economic conditions the Council decided to defer any specific action until a more opportune time.

#### MILK REGULATIONS

The opinion was generally expressed that bylaws regulating the preparation and sale of milk and certain milk products could be more stringent than at present. The question also arose as to the relative jurisdiction of provincial and local authorities concerning these regulations and their enforcement. The Council also discussed the question of conflicting features which may exist in *The Milk Control Act* and *The Public Health Act*, due to a court decision recently delivered, where some doubt existed regarding the jurisdiction of the two statutes. Council recommended clarification by means of legislation be provided.

#### PLUMBING AND DRAINAGE REGULATIONS

The Council discussed in detail certain proposed amendments to the Plumbing and Drainage Regulations and approved the recommended changes.

#### PROPOSED REGULATIONS GOVERNING FUMIGATION

The necessity for certain regulations to control the use of fumigants for disinfection and disinfestation of buildings and living premises was discussed in detail. The Council considered that the preparation of such legislation was essential for the prevention of accidental deaths from this cause.

#### TUBERCULOSIS AND FULL-TIME HEALTH DISTRICTS

The chairman gave a résumé of the proceedings of the meeting of the Dominion Council of Health held in June of last year. He said that certain provinces and national organizations had requested federal financial assistance in connection with the prevention and treatment of tuberculosis and, also, for full-time health districts and hospitalization.

Dr. Ferguson stated that considerable work had been conducted in connection with V.C.G. vaccination and that this prophylactic appeared to be about 75% efficient. He was inclined to support the application of this measure to the staffs of sanatoria, hospitals and mental institutions before approaching the general public. He stated that 15% of the nurses-in-training

at the sanatoria have become infected with tuberculosis. In the discussion the suggestion was made that the National Research Council be asked for a grant to carry out experimental work and that district medical societies be asked for their co-operation. An estimate of \$10,000.00 was made as the cost of conducting laboratory work.

#### ENCEPHALITIS

The chairman reported that there does not appear to be any epidemiological evidence so far of any relation between encephalitis and equine encephalomyelitis. Further investigation will be necessary.

#### RELIEF, MEDICAL, HOSPITAL AND DENTAL SERVICES

Council was informed that the large drought area existing this year has forced the Government to again establish a system of grants for relief medical, hospital and dental services. The plan to be followed is similar to that in effect during the relief year 1937-38. The 1938-39 medical relief area will consist of 166 rural municipalities and 17 local improvement districts, as compared with 239 rural municipalities and 17 local improvement districts in the 1937-38 relief area.

#### MEDICAL CERTIFICATES FOR MARRIAGES

The chairman introduced the subject of medical certificates for marriage and the Council agreed that when legislation required female as well as male examinations for health certificates provision should be made on the certificates defining the required tests.

#### HEALTH SERVICES BOARD

The following legislation, directly connected with the work of the Board, became effective during 1938:

##### AN AMENDMENT TO THE RURAL MUNICIPALITY ACT

Provision was made for a ballot on electors' choice of medical practitioner to be engaged for a municipal physician scheme when the bylaw was applicable to the entire municipality.

The vote on a bylaw for the employment of a municipal physician for a portion of a rural municipality was extended to all those persons whose names appeared on the last revised assessment roll for that portion of the municipality, but whose names did not appear on the last revised voters' list, in addition to the electors of that portion of the municipality.

Assent from three-fifths instead of two-thirds of the electors voting on a bylaw, empowered a council to provide hospital care and treatment at the expense of the municipality.

The vote on a bylaw for a portion of a rural municipality covering hospitalization at municipal expense was extended to all those persons whose names appeared on the last revised assessment roll for that portion of the municipality but whose names did not appear on the last revised voters' list, in addition to the electors of that portion of the municipality.

Where an agreement with a hospital was in effect, concluded under the authority of a bylaw covering municipal hospitalization, a council was empowered to fix an annual hospital tax for residents whose names did not appear on the last revised assessment roll; upon payment of such tax, the voluntary contributor and his family became eligible for hospital care and treatment at the expense of the municipality.

##### AN AMENDMENT TO THE TOWN ACT

A council of a town was empowered to levy a minimum tax not exceeding \$5 per annum to meet payments under a contract with a municipal physician.

##### THE MUTUAL MEDICAL AND HOSPITAL BENEFIT ASSOCIATIONS ACT, 1938

This Act came into force on May 1, 1938, and provided for the formation and incorporation of voluntary groups for the purchase of medical, surgical and hospital services on a mutual benefit plan. The chairman of the Health Services Board was appointed registrar of associations, while their bylaws

and any contracts entered into for service were made subject to the approval of the board.

As in the previous year, the board was composed of Dr. H. H. Christie, Esterhazy, representing the Saskatchewan College of Physicians and Surgeons; Mr. R. W. Hanham, Woodrow, representing the Saskatchewan Association of Rural Municipalities, and Dr. R. O. Davison, deputy minister of public health, as chairman.

Its main activities during 1938 may be summarized by the following paragraphs:

Bylaws authorizing employment of medical practitioners were approved for the Town of Kindersley, the Villages of Flaxcombe, Hubbard, Ituna, Osage, Vantage and Wishart, and R.M. 44, R.M. 133, R.M. 134, R.M. 251, R.M. 260, R.M. 291, R.M. 334 and R.M. 501.

Bylaws authorizing the employment of surgeons were approved for the Towns of Kindersley and Wadena, the Villages of Flaxcombe and Madison, R.M. 260, R.M. 290, R.M. 291, R.M. 337 and R.M. 459.

Bylaws authorizing hospitalization at municipal expense were approved for the Village of McGee and R.M. 341.

Agreements with municipal physicians were approved for the Towns of Kindersley and Wadena, the Villages of Buchanan, Coronach, Hubbard, Lipton, Madison, Osage, Vantage and Wishart, and R.M. 65, R.M. 101, R.M. 103, R.M. 121, R.M. 217, R.M. 251, R.M. 337, R.M. 410, R.M. 439 and R.M. 486.

Agreements with municipal surgeons were approved for the Town of Kindersley.

Agreements with hospitals for care and treatment at municipal expense were approved for the Village of Evesham, R.M. 278, R.M. 367 and R.M. 411.

The Mariposa Mutual Medical and Hospital Benefit Association, Limited, was incorporated on August 15 and the Regina Mutual Medical Benefit Association, Limited, on December 23, under the provisions of *The Mutual Medical and Hospital Benefit Associations Act, 1938*.

---

#### TREATMENT OF RESIDUAL PARALYSIS—ANTERIOR POLIOMYELITIS (See also Division of Communicable Disease Report)

In the spring of 1938, in continuity of the 1937 program and as a follow-up procedure, an orthopædic surgeon and a masseuse visited the homes of the children who had been in the 1937 clinic at the Grey Nuns Hospital, Regina, and made further recommendations as to the care in the home, and arranged to have those needing further care and treatment brought back to the clinic in Regina. Of those examined in the homes, nine were brought back to the clinic.

The first follow-up report indicated very satisfactory improvement in forty-five of seventy-nine of the 1937 cases visited; no improvement in three cases, definitely due to lack of co-operation from the parents; further paralytic appliances were needed in twenty cases, and operations required in eight cases.

During the year 1938, thirty cases of acute anterior poliomyelitis (infantile paralysis) were reported to the department.

The Red Cross Society worked with the department from the beginning and handled the problem of 1938 patients almost in its entirety. Of these patients, many received surgical treatment. Twenty-eight cases were treated in the Red Cross Hospital, Regina, nine being 1937 cases.

The total expenditure of the Department for the residual paralysis cases in 1938 was \$8,462.13.

---

#### LEGISLATION: STATUTES OF 1939

The following new legislation and amendments to the various Acts administered were enacted (in force April 1, 1939, except as otherwise indicated):

1. *The Public Health Act*. Cap. 81.
  - (a) Sec. 7 amended and new clause (gg);
  - (b) Sec. 38, sub-sec. (2) repealed re waterworks systems.
  - (c) Sec. 86, sub-secs. (2), (4) and (5) re approval of municipal bylaws.

2. *The Municipal Medical and Hospital Services Act 1939.* (New.)
3. *The Administrator of Estates of the Mentally Incompetent Act.* Cap. 78.  
(In force Feb. 18, 1939.)
  - (a) Addition to Sec. 4.
  - (b) New sec. 20a re acting administrator.

The following new legislation and amendments were enacted to Acts not administered by the Department, but having relation thereto:

1. *The Saskatchewan Embalmers Act 1939.* Cap. 77. (New)—in force May 1, 1939. Repeal of *The Embalmers Act.*
2. *The Cemetery Act.* Cap. 29.
  - (a) Sec. 6 amended; re deed of conveyance or transfer of land.
3. *The Milk Control Act.* Cap. 74.  
Widely amended—(in force June 1, 1939).
4. *The Child Welfare Act.* Cap. 85.  
Amendments re jurisdiction, permanent disability and certain allowances—(in force June 1, 1939).

#### REGULATIONS

No amendments or new regulations.

## Relief Medical Services

---

REGINA, SASK., *January 25, 1940.*

DR. R. O. DAVISON,  
*Deputy Minister of Public Health,  
Regina, Sask.*

SIR:

I hereafter report upon the work of the office dealing with Relief Medical Services during the relief fiscal year ended August 31, 1938.

A system of special grants to physicians and dentists in the relief areas, and to all approved hospitals in the province, with respect to patients from the relief areas continued for the first eight months of 1938, grants being payable through the Department of Municipal Affairs after approval by the Department of Public Health. These grants were paid in accordance with the rather extensive change made in the fall of 1937, which is outlined below.

For the first eight months of the year, the "Main Relief Area" consisted of 165 rural municipalities and 18 local improvement districts together with the villages and towns within the same boundaries, and the "Marginal Area" consisted of 69 such units.

A further change was made in the fall of 1937 to the effect that medical, dental, hospital, drug and burial relief services for those within the scope of the Northern Settlers' Re-establishment Branch and also single homeless and transient families under the control of the Bureau of Labour and Public Welfare, would come under the Medical Relief Services and be paid for in the same manner as the special grants. Details of the manner in which these relief recipients were dealt with are outlined below.

The main principles of the plan as agreed upon were:

(1) That grants be given to physicians in recognition of necessary services only;

(2) That such grants be recognized as intended solely for the purpose of maintaining the physicians in circumstances wherein they could continue to provide medical services;

(3) That municipal authorities in each case give proper authorization to the doctor concerned, whether he be the local physician or a specialist in a larger centre to whom the patient had been referred;

(4) That for the purpose of these relief grants, the term "relief patient" means "any person who is actually destitute of means, from his own resources, of obtaining necessary attendance and treatment";

(5) That a committee of three physicians nominated by the College of Physicians and Surgeons of Saskatchewan and appointed by the Government work in conjunction with a medical officer of the Department of Public Health in determining the grants to physicians and in general supervision of the problem as it affects medical services.

Provision was made for assistance to physicians in rural areas and in the small hospital centres of the relief areas, as well as to physicians in cities to whom patients from the drought districts might be referred.

From January 1, 1938, to August 31, 1938, the grants and relief accounts payable were as follows:

*Physicians:* In the main drought area physicians were divided into two classes, A and B. The Class A physicians were those with a rural practice whose incomes were guaranteed up to \$150.00 per month, plus a mileage allowance at the rate of 10c per mile in summer and 20c per mile in winter up to a maximum of \$100.00 per month, the dividing line being November 15. The total maximum grant, plus mileage, was therefore \$250.00 per month. The \$150.00 mentioned above means total not net income.

The Class B doctors were those practising in a small hospital centre and doing both rural and urban practice. They were allowed 33 $\frac{1}{3}$ % of the



schedule of fees up to a maximum of \$100.00 per month, and also mileage to the same extent as a Class A doctor. They were not required to declare income in the same manner as Class A physicians.

Physicians in the Marginal Area had their income guaranteed up to a total of \$150.00 per month; provided, however, that the grant itself was not in excess of \$100.00 per month, and they were also entitled to a mileage allowance computed the same as physicians in the Main Area, but limited to \$50.00 per month.

Beside the physicians mentioned above, those practising in the cities of Saskatoon, Regina and Moose Jaw were eligible for a grant based on 25% of the schedule of fees for services rendered to residents of the drought area whether main or marginal. The monthly limit, however, was \$100.00, and there was no mileage allowance.

As in previous years, certain physicians in the northern part of the province dealing with relief recipients who had moved there from the south, were made eligible for grants up to a maximum of \$50.00 per month.

After the plan had been put into action it was found necessary to pay grants to several physicians living outside any relief area but with their practices partly within the marginal relief area. The maximum grants to these were \$50.00 and the maximum mileage allowance \$50.00 per month.

*Dentists:* Dentists in the main drought area were allowed a grant up to the maximum of \$75.00, and those in the marginal drought area a grant up to the maximum of \$50.00 per month. Dentists practising in the cities of Regina, Saskatoon and Moose Jaw were eligible for a grant up to a maximum of \$50.00 with respect to services rendered to residents of adjacent rural areas without the services of a dentist. Two dentists resident in towns adjacent to the relief area were allowed grants up to a maximum of \$35.00 per month.

*Drugs:* Those residents of municipalities in the drought area urgently in need of drugs or medical supplies could obtain them by applying to the Red Cross Society and producing statements from the physician and from the municipality, the latter dealing with residents' financial inability to pay and certifying that the municipality itself could not pay.

*Optical Services:* This was handled in the same manner as drugs but through the medium of the Canadian National Institute for the Blind.

*Hospitals:* Besides the statutory grant of 50c per patient per day, paid by the Department of Public Health, all approved hospitals in Saskatchewan had, during the past few years, as previously mentioned, received special grants for the care of patients from the drought districts. For the relief year which commenced September 1, 1937, the special grant for the hospitalization of patients from the Main Relief Area was 75c per patient per day; for the Marginal Relief Area the special grant was set at 50c per patient per day; both these sums were additional to the regular statutory grant of 50c per patient per day. Therefore, every approved hospital in the province which made application was able to secure government assistance to the extent of \$1.25 per day for each of its patients from a town, village, rural municipality or local improvement district situated in the Main Relief Area, or \$1.00 per day for every patient from the Marginal Relief Area. The only condition imposed upon such hospital by the department was that no cases which were urgent or necessitous would be denied admission.

All physicians, dentists and hospitals and all secretaries of rural municipalities, villages and towns in the relief areas were given complete information regarding these special grants.

In the fall of 1938, crop conditions in the province were only slightly improved over the previous year. The organized medical profession requested that the plan which had been submitted to the Government in the fall of 1937, be continued. It was found necessary to make several minor changes in the administration of this grant. The extent of the relief area was curtailed considerably in the west and in the east, while a few rural municipalities were added from the extreme north. The plan was again accepted by the Government, and the relief area mapped out, this consisting of 132 rural municipalities and 18 local improvement districts with the villages and towns within the same boundaries, in the Main Relief Area, and 36 such units in the Marginal Relief Area.

From September 1, 1938, to December, 1938, grants and relief accounts payable were as follows:

*Physicians:* The Class "A1" physician was one with his practice wholly or chiefly rural; his income was guaranteed up to \$150.00 per month, and his mileage at the rate of 10c per mile for summer driving, and 20c per mile for winter driving, up to a maximum of \$100.00 per month. His total maximum grant was \$250.00 per month, including mileage. The maximum of \$150.00 was less cash receipts.

The Class "A2" physician was one practising in the Marginal Relief Area. His maximum grant was \$125.00 per month to bring his income up to \$150.00 per month, plus \$75.00 per month for mileage.

The Class "C1" physician was one practising in the smaller hospital centres of the relief area, who was doing referred hospital or office work and also engaged in practice in the adjacent rural districts, such as Estevan, Weyburn, North Battleford and Swift Current. Such a physician was allowed a grant with respect to necessary work done to patients in the relief area up to a maximum of \$100.00 in any one month; this grant was based on 33 $\frac{1}{3}$ % of the fees set out in the latest schedule approved by the College of Physicians and Surgeons of Saskatchewan. These physicians also were allowed an extra amount up to a maximum of \$100.00 per month for mileage.

The Class "C" physicians were those practising in the larger urban centres, such as Regina, Moose Jaw and Saskatoon. They were eligible for a grant up to a maximum of \$100.00 for work done on referred patients from the relief area. This grant was based on 25% of the latest schedule of the College of Physicians and Surgeons of Saskatchewan.

Provision was made whereby the supervising committee might make recommendations to the deputy minister of public health, and with his approval make grants to a further class of physicians, to be known as "Extra Area" physicians. This grant was up to a maximum of \$100.00 to bring his income up to \$150.00, plus an extra driving allowance of \$75.00 per month.

It was found necessary to give a few other physicians a driving allowance only. Certain physicians in the northern part of the province dealing with relief recipients who had moved there from the south were given grants up to a maximum of \$50.00 per month to bring their incomes up to \$150.00 per month.

*Dentists:* Dentists practising in the Main Relief Area were eligible for a grant with respect to work done on patients from the relief area up to a maximum of \$75.00 per month. This was made up of a basic grant of \$25.00 for the purpose of obtaining supplies and a maximum grant of \$50.00 based on 33 $\frac{1}{3}$ % of the schedule of fees for work done.

Dentists practising in the Marginal Area were eligible for a grant up to a maximum of \$50.00 computed in the same manner as those in the Main Area.

A grant was made available for dentists practising in the cities up to a maximum of \$50.00 per month for work done on patients referred from the relief area. This was computed at 50% of the schedule of fees of the College of Dental Surgeons.

Provision was made for dentures for patients from the relief area, that is, if the patient forwarded to the Department of Public Health a statement from the municipality accepting responsibility for future payment of the account, and also a medical certificate from the local physician stating that the patient's health was being seriously impaired by lack of teeth. Upon receipt of these statements, the Department of Public Health then authorized the dentist to proceed with the work of supplying dentures, and his account was paid at the rate of \$12.50 per denture.

Monthly reports in triplicate were required from all physicians and dentists showing the amount of practice done during each month; the grant payable was computed from this report.

*Dental Clinics:* Provision was made whereby the Public Health Nursing Division of the Department of Public Health could make arrangements for school dental clinics in the districts where relief was being provided, and in local improvement districts; the rate of payment for dentists doing this work was to be \$15.00 per day, plus \$3.00 for supplies used, and plus transportation and subsistence allowance.

*Drugs:* If a resident of a municipality in the drought area was urgently in need of drugs or medical supplies, he could obtain them by applying to the Red Cross Society and presenting a statement from his physician and a statement from his municipality, the latter dealing with his financial inability to pay and the certification of the municipality itself that they could not pay.

*Optical Services:* This was handled in the same manner as drugs, but through the medium of the Canadian National Institute for the Blind.

*Hospitals:* As from September 1, 1938, approved hospitals outside of the relief area were allowed a relief grant of 50c per patient per day with respect to patients from any part of the whole relief area. For those hospitals within the relief area, special grants were computed at approximately the same rate but also based on the financial status of each hospital concerned. Several hospitals not actually in the relief area but showing proof of need of further assistance were also given special relief grants.

*Burials:* Provision was made whereby, in exceptional cases, funeral expenses could be paid, if, after a thorough examination, it was found that neither the individual nor the municipality could take care of that expense; this was to be paid at not more than \$30.00 at rural points, and not more than \$50.00 in larger urban centres.

Medical care for relief recipients under the Direct Relief Branch during the year 1938 became an increasing problem. These constituted a class designated transient families living in cities and in some of the smaller towns, but obtaining their relief direct from the Government; also the single homeless, both men and women, moving about the province and from one province to another, and for whom no residence could be established.

Accounts for medical care of relief recipients in the southern local improvement districts coming under the supervision of the municipal inspectors at Shaunavon and Rockglen, also were taken care of; this work constituted medical, dental, hospital, optical, drug and burial services.

Medical and dental cases were paid at a rate not exceeding 50% of the schedules of fees of the College of Physicians and Surgeons, and Dental Surgeons of Saskatchewan.

Dentures were supplied when the case had been found urgent, and were paid as to 75% of the schedule of fees, or \$37.50.

Hospitals were paid at a flat rate of \$2.00 per day; X-rays at 50% of the schedule was allowed in urgent cases; drugs were supplied on prescription and at a reduced fee by the local drug store; burials at a rate not exceeding \$30.00 in rural cases, and not exceeding \$50.00 in urban cases; optical work was taken care of through the Canadian National Institute for the Blind.

The medical care of persons receiving relief under the Northern Settlers' Re-establishment Branch also devolved upon this department. These residents presented a different problem, as the inspectors in the field keeping close supervision over their requirements and needs only placed them on relief when it was absolutely necessary; this meant that a family might be on relief for two, three or four months during one year and possibly eight or ten months the next year; but whether on relief or not, a good many of these were still unable to pay for medical attention. It was, therefore, found necessary to supply medical, dental, hospital, drug and burial relief.

Each account presented for payment was covered with a doctor's certificate stating that the work was either of an urgent or necessitous nature, also by a certificate signed by the inspector, stating that the patient was unable to pay for the necessary treatment; a note signed by the head of the family accompanied the above two certificates. The rate of payment for these services was the same as that for relief recipients under the Direct Relief Branch, viz., at not more than 50% of the latest schedule of fees of the College of Physicians and Surgeons.

Expenditures from September 1, 1937, to August 31, 1938, for the above services, were as follows:

Administration .....	\$	18,681.85
Grants to:		
Physicians .....	\$381,935.30	
Hospitals .....	295,750.80	
Dentists .....	36,204.40	
Dental clinics .....	6,449.36	
Dentures .....	6,276.25	
Canadian National Institute for the Blind .....	14,000.00	
Canadian Red Cross Society .....	25,000.00	
		<u>765,616.11</u>

NORTHERN SETTLERS' RE-ESTABLISHMENT BRANCH

Physicians .....	\$	76,471.76
Hospitals .....	71,217.75	
Dental .....	3,059.65	
Drugs, Optical, Nursing Service, Transportation, etc. ...	19,721.42	
		<u>170,470.58</u>

DIRECT RELIEF BRANCH

*L.I.D.'s, Single Homeless, and Transient Families*

Physicians .....	\$	76,355.54
Hospitals .....	60,475.37	
Dental .....	6,306.85	
Drugs, Optical, Nursing Service, Transportation, etc. ...	22,609.15	
		<u>165,746.91</u>

\$1,120,515.45

Respectfully submitted,

A. MACMURCHY, M.D.,  
*Medical Officer in Charge.*

NOTE: The above costs are not included in the expenditures table immediately following, but are part of the vote of the Department of Municipal Affairs.

## Expenditures for Fiscal Years 1937-38 and 1938-39

Sub-Vote	Service	1937-38	1938-39	Increase or Decrease
1	Administration .....	\$ 14,327.87	\$ 18,510.25	+\$ 4,182.38
2	General services, including nursing services, sanitation, disease prevention, hospital administration and miscellaneous .....	80,436.51	79,344.81	- 1,091.70
3	Treatment of venereal disease .....	23,620.04	21,991.12	- 1,628.92
4	Registrar General's office.....	20,757.30	22,730.26	+ 1,972.96
5	Statutory grants to approved hospitals and three sanatoria .....	723,465.00	742,920.00	+ 19,455.00
6	Provincial Laboratory .....	22,948.22	20,051.11	- 2,897.11
7	Free distribution of vaccines and sera .....	22,403.29	26,252.96	+ 3,849.67
8	Grants to charitable organizations .....	14,400.00	20,400.00	+ 6,000.00
9	Relief of destitutes .....	11,734.59	14,807.64	+ 3,073.05
10	Maternity grants .....	55,779.00	43,178.00	- 12,601.00
11	Psychopathic Ward, Regina .....	15,313.12	15,924.76	+ 611.64
12	Mental hospitals at Weyburn and North Battleford and cost of committals .....	462,613.14	537,435.92	+ 74,822.78
13	Health Services Board .....	4,218.74	2,687.38	- 1,531.36
14	Cancer Services .....	46,549.32	48,284.89	+ 1,735.57
		\$1,518,566.14	\$1,614,519.10	+\$95,952.96

The per capita expenditures in cents on the above services for the past five fiscal years, based on populations shown in parentheses in the year columns, were as follows: (These population totals are provided annually by the Dominion Bureau of Statistics.)

Sub-vote	1934-35 (966,000)	1935-36 (978,000)	1936-37 (931,000)	1937-38 (939,000)	1938-39 (941,000)
1 .....	1.7	1.3	1.7	1.5	2.0
2 .....	7.7	6.9	7.8	8.6	8.4
3 .....	2.4	2.2	2.5	2.5	2.3
4 .....	2.0	1.8	2.1	2.2	2.4
5 .....	67.0	67.5	74.9	77.0	78.9
6 .....	2.0	1.8	2.1	2.5	2.1
7 .....	1.7	1.6	2.8	2.4	2.8
8 .....	.2	.2	.3	1.5	2.2
9 .....	1.3	.7	1.2	1.2	1.6
10 .....	2.0	4.5	6.4	5.9	4.6
11 .....	1.0	1.1	1.2	1.6	1.7
12 .....	29.6	27.9	35.2	49.3	57.1
13 .....		.1	.6	.5	.3
14 .....	3.4	3.6	5.1	5.0	5.1
Total per cap. cost	\$1.22	\$1.21	\$1.44	\$1.62	\$1.71

# Saskatchewan Anti-Tuberculosis League

(Included in this Report for the first time)

FORT SAN, SASK., December 11, 1939.

DR. R. O. DAVISON,  
Deputy Minister of Public Health,  
Regina, Sask.

SIR:

On behalf of the Saskatchewan Anti-Tuberculosis League I beg to submit the following brief report of some of the outstanding features of anti-tuberculosis work in Saskatchewan during the year 1938.

The people of Saskatchewan are now conscious that protection from tuberculosis can be purchased by maintaining a preventive campaign for early discovery and early treatment of persons suffering from tuberculosis. They have also learned that to accomplish this the one million people in the province must be thoroughly informed regarding early symptoms of the disease and the steps to be taken when such symptoms occur.

The outstanding feature in the campaign of 1938 has been the increased public education through the doctors, the press, schools, clergy, radio, cinema, personal contact by travellers, increased activities of women's organizations, and by public addresses.

The supporters of the campaign have not been disappointed. There has been greater interest in the eradication of the disease than ever before. This has been reflected by more numerous requests for examinations and surveys and by increased contributions to the preventive funds through the sale of Christmas seals.

What is even more encouraging is the fact that the number of new cases continue to drop. Although more persons were examined this year, fifty-four less new cases of active tuberculosis were discovered, and the proportion of early cases among them was higher than ever before.

The following table shows the number of new active cases of tuberculosis discovered year by year since 1930, and the proportion of those with pulmonary tuberculosis found in the minimal stage of the disease, and in the moderately advanced and far advanced stages. The figures in this table apply to the white population of Saskatchewan, the Indians having been excluded.

Year	New cases of active tuberculosis discovered	Re: New cases of pulmonary tuberculosis		
		Minimal	Moderately advanced	Far advanced
1930 .....	686	37.2	21.4	41.4
1931 .....	624	33.8	23.3	42.9
1932 .....	538	37.2	22.0	40.8
1933 .....	522	36.9	23.4	39.7
1934 .....	509	36.2	21.1	42.7
1935 .....	525	43.3	20.4	36.3
1936 .....	513	42.9	17.3	39.8
1937 .....	506	42.0	18.3	39.7
1938 .....	452	48.6	18.4	33.0

In a province like Saskatchewan, where there is free treatment and reasonably adequate facilities for diagnosis at twelve stationary clinics at the principal centres of population and transportation, travelling clinics which visit family physicians in outlying districts once yearly, and a preventive programme which aims at the examination, free of charge, of all persons referred as suspects by their family physicians as well as of members of households or schoolrooms in which an active case of tuberculosis develops or an unreported case dies; the new cases discovered represent, in a practical way, the morbidity from this disease in the province under the conditions set out. Although this is not presented as a statistical morbidity, inasmuch as all members of the community were not examined, nevertheless it does indicate the discovered morbidity in a province where a practical anti-tuberculosis programme is being applied, and should be of interest to those who are applying a similar plan.

The Department of Indian Affairs, which is responsible for the health of Indians in the province, has instituted a splendid programme this year to combat tuberculosis among Indians, which has resulted, as at December 31, 1938, in roughly one case being treated for each death occurring among Indians during the year. If this programme is increased from year to year we can look forward to the control of tuberculosis among this susceptible people, and at the same time the removal of the menace from the surrounding white population.

During 1938, 286,818 days' treatment for tuberculosis were given in Saskatchewan, and 8,177 persons were admitted for treatment and for observation for diagnosis, review or special treatment in the three sanatoria. Of this number, 1,325 had active tuberculosis requiring more or less prolonged treatment.

Altogether a total of 31,865 persons had medical examination and advice by the League during the year. Of this number, 21,744 were examined at the expense of the preventive fund raised by the sale of Christmas seals.

The year 1938 has seen the greatest advance in preventive work in the history of The Saskatchewan Anti-Tuberculosis League, and we are looking forward with confidence to the control and eradication of this disease.

Respectfully submitted,

R. G. FERGUSON, M.D.,  
*Director of Medical Services  
and General Superintendent.*

# Division of Communicable Disease

REGINA, November 27, 1939.

DR. R. O. DAVISON,  
Deputy Minister of Public Health,  
Regina, Sask.

SIR:

I beg to submit the report of the Division of Communicable Disease, including Venereal Disease report, for the calendar year 1938.

Tables I to XVI are as follows:

- I—The fluctuation of morbidity and mortality during 1937-1938, also showing population and fatality rates.
- II—Monthly distribution of communicable disease morbidity.
- III—Summary of distribution of communicable disease morbidity, by cities (individual totals of each city), towns, villages and rural municipalities.
- IV—Diphtheria incidence—distribution by age and sex groups.
- V—Scarlet fever incidence—distribution by age and sex groups.
- VI—Measles incidence—distribution by age and sex groups.
- VII—Whooping cough incidence—distribution by age and sex groups.
- VIII—Detailed distribution of communicable disease morbidity—alphabetically by cities, towns, villages and rural municipalities.
- IX—Comparative issues and costs of vaccines and sera—1934-1938.
- X-XI—Trachoma.
- XII-XVI—Venereal disease.

## ROUTINE

Letters received .....	3,305
Physicians' reports received .....	872
Memoranda received .....	158
Telegrams received .....	63
Sundry vaccines and sera memoranda received .....	195
Letters dispatched .....	2,271
Memoranda dispatched .....	187
Telegrams dispatched .....	16
Parcels of vaccines and sera dispatched .....	2,373
Parcels of forms, bulletins, regulations, etc., dispatched .....	593
Statistical reports—internal—dispatched .....	480
Statistical reports—external—dispatched .....	260
Undertakers' licenses issued .....	35
Disinterment permits issued .....	83

### Diphtheria:

There were 256 cases of diphtheria in 1938, as compared with 72 in 1937. These resulted in 28 deaths. This is the largest number of cases reported since 1931. The largest number of cases occurred in December, when 128 were reported. Twenty cases occurred in Prince Albert; Regina had 2 cases, North Battleford one, and Saskatoon one. Gravelbourg reported 30 cases, Dalmeny 13, and R.M. No. 374, 42 cases. In L.I.D. 622, north of Pierceland, there were 35 cases. Sixty-six or 25.7% were under 6 years of age and 101, or 39.4%, were between 6 and 15 years.

### Measles:

The measles epidemic of 1935, 1936 and 1937 has apparently subsided, as only 412 cases were reported in 1938 as compared with 7,078 in 1937. There were 19 deaths in 1938 and 252 in 1937. There was the smallest number of cases reported in 1938 since 1909. About every 5 or 6 years there is a marked decrease in cases. Most cases occurred in February (138) and January (109). Eighty-one, or 19.6%, were under 6 years of age and 242, or 58.7%, were between 6 and 15.



*Mumps:*

One hundred and thirty-two cases occurred as compared with 406 in 1937.

*Scarlet Fever:*

Scarlet fever continues to be quite prevalent as 1,479 cases were reported. In 1937 there were 1,648 cases. There were 12 deaths in 1938 and 16 in 1937. The cases were prevalent from January to June, and from October to December. Regina had 504 cases, Saskatoon 249, and Moose Jaw 108. 17.4% were under 6 years and 60.4% were between 6 and 15.

*Smallpox:*

Forty-seven cases were reported in 1938 and only 3 in 1937. There were 2 deaths in 1938. Thirteen cases occurred in February, 11 in June, and 11 in November. 25.7% were under 6 years and 39.4% between 6 and 15. Ten cases were reported from the Duck Lake Indian Reserve.

*Typhoid Fever:*

Seventy-four cases were reported in 1938, as compared with 204 in 1937. There were 8 deaths in 1938 and 36 deaths in 1937. Most cases occurred in October (16), August (13), September (13) and December (10). Ten of these cases occurred in cities—4 in Moose Jaw, 3 in Saskatoon, 2 in Regina, and 1 in North Battleford. Nine cases occurred on Indian Reserves. Only sporadic cases occurred during the year.

*Whooping Cough:*

One hundred and seventy-eight cases were reported in 1938, and 18 deaths. In 1937, 907 cases and 47 deaths were reported. In 1938 fewer cases were reported than in any year since 1911. A new type of Pertussis Vaccine was supplied through the Connaught Laboratories in December, 1938, which is made from freshly isolated strains of H. Pertussis, and it is hoped this may be a better prophylactic than the former product which was made from "stock" strains. The new product is similar to the Sauer Vaccine. June accounted for 43 cases, January for 25 and September for 20 cases. Thirty-three cases occurred in Regina, 13 in Moose Jaw, and 7 in Saskatoon. 52.2% were under 6 years and 39.3% between 6 and 15 years.

*Tuberculosis:*

Five hundred and twenty-five cases were reported in 1938, as compared with 502 in 1937. Two hundred and seventy-one deaths occurred in 1938 and 303 in 1937.

*Anterior Poliomyelitis, 1938:*

Only 30 cases were reported, as compared with 512 reported in 1937. These 30 cases occurred as follows: February, 2; May, 3; July, 3; August, 6; September, 7; October, 3; November, 4; December, 2. Seven deaths occurred. Yorkton was the only city where this disease occurred in 1938 and two cases occurred there. Only in two rural municipalities did more than one case occur, and only two cases occurred in each of these:

Ages	Male	Female	Total
0-6 years .....	6	5	11
7-10 years .....	..	4	4
11-15 years .....	5	2	7
16-20 years .....	2	2	4
21-30 years .....	3	1	4
Total .....	16	14	30

One hundred and seventy-four doses of Polio Serum were sent out in 1938. Residual paralysis is reported in 13 cases. The Drinker Collins respirator was used for one case from Kamsack at Regina General Hospital in 1938—patient died. At Saskatoon it was used for one patient in 1938 suffering from Landry's paralysis and patient died.

*Influenza:*

Although only 14 cases were reported in 1938, there were 154 deaths. In 1937, 2,184 cases were reported and 404 deaths.

*Undulant Fever:*

Only 4 cases were reported in 1938 as compared with 17 cases in 1937. There were no deaths.

*German Measles:*

Only 59 cases were reported in 1938 as compared with 225 cases in 1937.

*Leprosy:*

One case was reported in December, 1938, near Saltcoats.

*Encephalomyelitis:*

Although this disease does not appear on the list of diseases to be reported, three were officially reported from the Cabri district in August. There also occurred several cases in the Regina, Weyburn and Midale districts in August and September. During this summer and fall a very great epidemic of encephalomyelitis occurred among Saskatchewan horses and although it was difficult to trace very direct connection between the horse disease and that of humans, there seemed to be some connection.

Some 15 cases (6 male and 9 female) were directly and indirectly reported. In the Midale district, where 9 cases were found (4 female and 5 male), the ages were from 18 to 66 years. The cases were scattered and had no connection with one another. Only one case occurred in each family. One death occurred in a female, aged 66 years, who went into a coma and developed pneumonia. The symptoms were headache, rise in temperature (102-3), malaise, mental confusion, dizziness, inco-ordination, pain in back of neck, blurring vision; three had diplopia, two had photophobia, one ptosis; constipation was common. Vomiting and staggering gait were also common, and three had delirium. They recovered fairly quickly; only two had been directly associated with sick horses.

Two cases were reported from Holdfast, ages 34 and 17. One was reported from Rose Valley, age 17 years.

The epidemic of encephalomyelitis in horses first appeared in Saskatchewan in 1935. It was not so bad in 1936, but recurred in 1937, and in 1938 there were 52,500 cases with over 10,000 deaths from this disease. It has been demonstrated that horses may be infected by intranasal infection; that six species of mosquitoes transmit the western type in the laboratory, and two species transmit the eastern type. Experimentally mosquitoes can be infected and transmit the virus to horses and laboratory animals. However, mosquitoes in the field have not been found to be infected. The virus of the eastern and western type of equine encephalomyelitis has been found in brain tissue of persons dying from encephalitis. Some veterinarians have developed the disease. Serum from recovered cases of human encephalitis has been found to contain antibodies against the western equine type.

Type "A", which appears mostly in winter, is more chronic and affects children and young adults usually. Type "B" is more acute, abrupt and occurs in older age groups.

During the year 1938, 5,466 cases of the different communicable diseases were reported as compared with 16,550 cases in 1937. December accounted for the largest number (937), then June (686) and January (611). The smallest number of communicable disease cases occurred in September (174).

Two thousand, four hundred and thirty-nine, or 44.6%, of the cases occurred in cities.

In the calendar year 1938, \$19,839.36 was expended for various vaccines, toxoid, toxin, serum, etc., in comparison with \$24,951.35 in 1937.

F. C. MIDDLETON, M.D., D.P.H.,  
Director.

TABLE I—MORBIDITY AND MORTALITY. FLUCTUATION. POPULATION RATES. 1937-1938.

Disease	Rate per 100,000 Population									
	Cases		Deaths		Deaths per 100 cases reported		Morbidity		Mortality	
	1937	1938	1937	1938	1937	1938	1937	1938	1937	1938
Chickenpox	1,968	1,667	3	5	.15	.3	209.58	177.15	.3	.5
Diphtheria	72	256	10	28	13.9	10.9	7.67	27.20	1.1	3.0
Measles	7,078	412	252	19	3.56	4.6	753.78	43.78	26.8	2.0
Mumps	406	132					43.24	14.02		
Scarlet fever	1,648	1,479	16	12	.97	.8	175.55	157.17	1.7	1.3
Smallpox	3	47		2		4.2	.32	4.99		.2
Typhoid and paratyphoid fevers	204	74	36	8	17.65	10.8	21.72	7.86	3.8	.9
Whooping cough	904	178	47	18	5.20	10.1	96.27	18.91	5.0	1.9
Infantile paralysis	512	30	22	7	4.34	23.3	54.53	3.18	2.3	.7
Trachoma	62	96								
Tuberculosis	502	525	303	271					32.3	28.3
Cerebrospinal meningitis	6	2	6	3					.6	.3
Erysipelas	65	23	13	6					1.4	.6
Pneumonia and broncho-pneumonia	169	44	567	429					60.4	45.6
Bacillary dysentery	33	8	27	11					2.9	1.2
Amebic dysentery										
*Encephalitis lethargica	4	7	7	5					.7	.5
Encephalomyelitis		3								
German measles	225	59								
Influenza	2,184	14	404	154					43.0	16.4
Puerperal septicaemia	4	3	22	9					2.3	1.0
Ophthalmia neonatorum	1									
Anthrax	1									
Diphtheria carrier		4								
Sore throat—epidemic	53	47								
Typhoid carrier										
Impetigo contagiosa	172	148								
Scabies	197	135								
Conjunctivitis	36	52								
Vincent's angina	4	1								
Ringworm	20	15								
Undulant fever	17	4	1							
Leprosy		1							.1	
Totals	16,550	5,466	1,736	987						

\*Also includes epidemic encephalitis

Decrease in morbidity ..... 66.97%  
Decrease in mortality ..... 43.13%

	1937	1938
Province	939,000	941,000
Cities	147,259	147,573
Towns	61,754	61,885
Villages	73,598	73,755
Rural districts	656,389	657,787
Moose Jaw	19,975	20,017
North Battleford	4,760	4,770
Prince Albert	11,144	11,168
Regina	53,812	53,927
Saskatoon	42,093	42,183
Swift Current	5,118	5,129
Weyburn	5,384	5,395
Yorkton	4,973	4,984

TABLE II.—MONTHLY DISTRIBUTION OF COMMUNICABLE DISEASE MORBIDITY, 1938

Disease	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Chickenpox	117	79	128	128	151	246	169	84	35	73	202	255	1,667
Diphtheria	8	2	14	7	8	4	4	22	17	22	20	128	256
Measles	109	138	4	70	30	15	6	2	4	9	11	14	412
Mumps	36	6	15	19	13	4	4	4	8	14	9	4	132
Scarlet fever	186	191	186	135	120	127	53	33	41	95	130	182	1,479
Smallpox	1	13	.....	.....	.....	11	.....	.....	1	5	11	5	47
Trachoma	69	.....	.....	1	.....	5	5	1	1	1	.....	13	96
Tuberculosis	6	53	4	23	58	15	27	20	16	16	6	281	525
Typhoid and paratyphoid fevers	4	1	3	1	1	3	6	13	13	16	3	10	74
Whooping cough	25	5	3	14	9	43	13	10	20	9	12	15	178
Cerebrospinal meningitis	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	2
Pneumonia	4	4	11	12	1	10	.....	.....	.....	1	1	.....	44
Erysipelas	3	3	1	5	.....	2	2	.....	1	.....	2	4	23
Infantile paralysis	.....	2	.....	.....	3	.....	3	6	7	3	4	2	30
Bacillary dysentery	.....	.....	.....	.....	.....	.....	1	5	.....	2	.....	.....	8
Encephalitis lethargica	.....	.....	.....	.....	.....	.....	.....	3	4	.....	.....	.....	7
Encephalomyelitis	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	3
German measles	1	10	5	1	4	3	5	3	3	10	6	8	59
Influenza	.....	.....	12	1	.....	.....	.....	.....	1	.....	.....	.....	14
Puerperal fever	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	3
Sore throat—epidemic	4	.....	.....	.....	.....	15	1	.....	.....	27	.....	.....	47
Diphtheria carrier	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2	4
Undulant fever	.....	.....	.....	.....	1	1	.....	.....	.....	2	.....	.....	4
Impetigo contagiosa	14	2	2	.....	5	102	1	1	2	2	15	4	148
Scabies	14	8	13	5	4	59	3	4	.....	5	16	4	135
Conjunctivitis	.....	.....	1	.....	.....	25	1	22	.....	.....	.....	3	52
Vincent's angina	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Ringworm	9	.....	3	2	.....	.....	.....	.....	.....	.....	.....	1	15
Leprosy	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Totals	611	518	405	425	408	686	306	236	174	310	450	937	5,466

TABLE III.—SUMMARY OF DISTRIBUTION OF COMMUNICABLE DISEASE, 1938.

Disease	Moose Jaw	North Battle- ford	Prince Albert	Regina	Saska- toon	Swift Current	Wey- burn	York- ton	(Cities' totals)	Towns	Vil- lages	Rural Munici- palities	Totals
Chickenpox	71	10	24	651	288	15	19	53	1,131	102	110	324	1,667
Diphtheria	.....	1	20	2	1	.....	.....	.....	24	35	17	180	256
Measles	14	7	13	22	17	2	2	4	81	130	32	169	412
Mumps	2	14	.....	8	22	.....	2	.....	48	54	4	26	132
Scarlet fever	108	20	9	504	249	4	12	2	908	113	103	355	1,479
Smallpox	1	.....	.....	1	.....	.....	.....	2	4	7	.....	36	47
Trachoma	.....	.....	.....	1	.....	.....	.....	.....	1	1	7	87	96
Tuberculosis	15	3	11	44	50	2	2	7	134	36	41	314	525
Typhoid and paratyphoid fevers	4	1	.....	2	3	.....	.....	.....	10	5	8	51	74
Whooping cough	13	.....	.....	33	7	.....	1	1	55	29	11	83	178
Cerebrospinal meningitis	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	12	25	44
Pneumonia	.....	.....	.....	.....	1	.....	.....	2	1	3	3	16	23
Erysipelas	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	26	30
Infantile paralysis	.....	.....	.....	.....	1	.....	.....	.....	2	1	.....	1	8
Bacillary dysentery	.....	.....	.....	.....	1	.....	.....	.....	1	6	.....	7	7
Encephalitis lethargica	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	3
Encephalomyelitis	11	1	1	8	10	.....	1	1	33	2	4	20	59
German measles	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13	1	14
Influenza	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Leprosy	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	3
Puerperal fever	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	2	3
Sore throat	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	39	47
Diphtheria carrier	.....	1	.....	1	1	.....	.....	.....	3	.....	.....	1	4
Undulant fever	.....	.....	.....	.....	1	.....	.....	.....	1	.....	3	.....	4
Impetigo contagiosa	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	41	102	148
Scabies	.....	.....	.....	.....	.....	.....	.....	.....	.....	17	39	79	135
Conjunctivitis	.....	.....	1	.....	.....	.....	.....	.....	1	.....	10	41	52
Vincent's angina	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Ringworm	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	15
Totals	239	58	80	1,277	651	23	39	72	(2,439)	553	468	2,006	5,466



TABLE VI.—MEASLES INCIDENCE. DISTRIBUTION BY AGE AND SEX GROUPS, 1938.

Age groups	Cities			Towns			Villages		Rural Municipalities		Age-Sex group totals			Aggregate
	Male	Female	Not stated	Male	Female	Not stated	Male	Female	Male	Female	Male	Female	Not stated	
1 day and under 1 year.....	4	14	...	1	9	...	1	2	2	7	2	...	9	
1 year and under 6 years.....	10	14	...	11	9	...	6	2	13	35	37	...	72	
6 years and under 10 years.....	11	10	1	26	14	...	5	7	31	74	57	1	132	
10 years and under 15 years.....	5	6	...	17	26	...	...	8	22	49	61	...	110	
15 years and under 20 years.....	...	5	...	5	6	...	...	3	12	17	25	...	42	
20 years and over.....	7	6	...	2	2	...	...	...	7	16	18	...	34	
Age not stated.....	...	...	2	3	4	4	...	...	...	3	4	6	13	
Sex group totals.....	37	41	3	65	61	4	12	20	87	201	204	7	412	
Distribution totals.....	81			130			32		169		412			

TABLE VII.—WHOPPING COUGH INCIDENCE. DISTRIBUTION BY AGE AND SEX GROUPS, 1938.

Age groups	Cities			Towns			Villages		Rural Municipalities			Age-Sex group totals			Aggregate
	Male	Female	Not stated	Male	Female	Not stated	Male	Female	Male	Female	Not stated	Male	Female	Not stated	
1 day and under 1 year.....	2	4	...	2	10	...	1	5	3	9	8	...	17		
1 year and under 6 years.....	12	15	...	3	10	...	3	14	17	31	45	...	76		
6 years and under 10 years.....	7	7	...	2	5	...	2	9	18	20	32	...	52		
10 years and under 15 years.....	...	1	...	3	4	...	1	1	8	4	14	...	18		
15 years and under 20 years.....	...	1	...	...	...	...	...	...	...	...	1	...	1		
20 years and over.....	1	1	...	...	...	...	...	...	1	1	2	...	3		
Age not stated.....	...	...	4	...	...	...	...	...	...	...	7	...	11		
Sex group totals.....	22	29	4	10	19	4	7	29	47	65	102	7	178		
Distribution totals.....	55			29			11		83		178				

TABLE VIII.—DETAILED DISTRIBUTION OF MORBIDITY, 1938.

## CHICKENPOX—Total cases 1,667.

*Cities*—1,131. Moose Jaw 71, North Battleford 10, Prince Albert 24, Regina 651, Saskatoon 288, Swift Current 15, Weyburn 19, Yorkton 53.

*Towns*—102. Estevan 14, Fleming 17, Lemberg 1, Melville 29, Rosthern 3, Star City 3, Tisdale 1, Unity 31, Whitewood 5.

*Villages*—110. Admiral 2, Big River 5, Buchanan 18, Canwood 1, Cut Knife 10, Elstow 7, Fort Qu'Appelle 1, Gainsborough 1, Hague 8, Hawarden 4, Hodgeville 1, LaFleche 2, Lestock 3, Leroy 3, Lipton 3, Mazenod 1, Pangman 2, Ponteix 11, Ravenscrag 2, Sheho 2, Southey 1, Spy Hill 4, Tate 11, Windthorst 7.

*Rural Municipalities*—324. No. 1, 4; 4, 6; 11, 5; 16, 20; 17, 1; 39, 3; 65, 1; 66, 6; 69, 5; 80, 1; 121, 28; 122, 2; 125, 1; 127, 2; 134, 7; 135, 4; 152, 4; 153, 3; 169, 1; 187, 1; 190, 4; 194, 5; 216, 5; 219, 3; 221, 5; 222, 2; 224, 7; 227, 3; 245, 9; 254, 12; 274, 3; 275, 13; 276, 2; 279, 5; 306, 1; 312, 5; 346, 2; 349, 4; 396, 1; 403, 5; 411, 2; 427, 27; 428, 2; 431, 10; 434, 16; 436, 1; 437, 9; 472, 5; 486, 1; 491, 6; 494, 6; 519, 2; 521, 1. Indian Agencies: Lac la Ronge 30, Qu'Appelle 5.

## DIPHTHERIA—Total cases 256.

*Cities*—24. North Battleford 1, Prince Albert 20, Regina 2, Saskatoon 1.

*Towns*—35. Arcola 1, Estevan 2, Gravelbourg 30, Rosthern 1, Tisdale 1.

*Villages*—17. Blaine Lake 1, Congress 2, Dalmeny 13, Kipling 1.

*Rural Municipalities*—180. No. 4, 3; 43, 13; 96, 2; 104, 2; 105, 2; 107, 1; 124, 1; 134, 1; 135, 2; 169, 1; 218, 1; 254, 1; 261, 1; 301, 1; 373, 10; 374, 42; 396, 2; 427, 1; 430, 1; 434, 3; 439, 1; 461, 2; 464, 4; 471, 4; 490, 2; 491, 11; 494, 3; 520, 5; 521, 2; 526, 10; 528, 1; 555, 2; 559, 1; 621, 1; 622, 35. Indian Agencies: Duck Lake 1, Qu'Appelle 4.

## MEASLES—Total cases 412.

*Cities*—81. Moose Jaw 14, North Battleford 7, Prince Albert 13, Regina 22, Saskatoon 17, Swift Current 2, Weyburn 2, Yorkton 4.

*Towns*—130. Davidson 1, Eastend 2, Estevan 8, Mortlach 1, Unity 1, Watrous 116, Whitewood 1.

*Villages*—32. Regina Beach 1, Riverhurst 1, Rockglen 7, Salvador 1, Windthorst 22.

*Rural Municipalities*—169. No. 1, 1; 12, 1; 35, 9; 48, 3; 66, 1; 74, 1; 77, 2; 80, 2; 124, 3; 125, 20; 135, 2; 191, 3; 224, 2; 280, 2; 281, 13; 292, 1; 310, 3; 312, 29; 368, 62; 373, 1; 381, 1; 404, 3; 521, 4.

## MUMPS—Total cases 132.

*Cities*—48. Moose Jaw 2, North Battleford 14, Regina 8, Saskatoon 22, Weyburn 2.

*Towns*—54. Nipawin 31, Oxbow 21, Tisdale 2.

*Villages*—4. Gainsborough 1, Landis 3.

*Rural Municipalities*—26. No. 4, 1; 125, 2; 135, 1; 191, 1; 349, 6; 379, 1; 411, 3; 437, 3; 517, 7; 518, 1.

## SCARLET FEVER—Total cases 1,479.

*Cities*—908. Moose Jaw 108, North Battleford 20, Prince Albert 9, Regina 504, Saskatoon 249, Swift Current 4, Weyburn 12, Yorkton 2.

*Towns*—113. Asquith 7, Battleford 1, Biggar 4, Cabri 1, Carlyle 13, Caron 1, Davidson 11, Estevan 12, Grenfell 2, Indian Head 7, Lloydminster 2, Melville 4, Moosomin 1, Mortlach 1, Nipawin 1, Rosthern 4, Sutherland 2, Tisdale 16, Unity 1, Vonda 4, Whitewood 18.

*Villages*—103. Alvena 6, Beechy 5, Bienfait 5, Blaine Lake 2, Borden 3, Bounty 1, Bradwell 1, Central Butte 1, Crane Valley 1, Cymric 1, Dinsmore 1, Dundurn 1, Earl Grey 1, Elstow 1, Eyebrow 1, Forward 3, Gainsborough 4, Kelvington 6, Kendal 1, LaFleche 10, Leask 1, Leroy 2, Loreburn 1, Markinch 2, Mazenod 2, Meacham 5, Montmartre 4, Muenster 4, Ponteix 3, Prud'homme 1, Ridgedale 7, Semans 2, Shackleton 1, Shellbrook 5, Spalding 1, Spy Hill 2, Stoughton 3, Wakaw 2.



*Rural Municipalities*—355. No. 1, 6; 4, 14; 5, 1; 34, 1; 35, 5; 37, 1; 50, 1; 63, 9; 65, 4; 66, 2; 67, 3; 69, 2; 74, 13; 76, 2; 77, 2; 94, 14; 95, 2; 97, 2; 126, 2; 127, 5; 135, 1; 159, 1; 161, 1; 162, 2; 168, 1; 169, 1; 186, 1; 187, 1; 190, 2; 191, 3; 193, 2; 216, 1; 219, 15; 221, 3; 225, 2; 226, 3; 229, 1; 249, 15; 252, 6; 253, 5; 254, 3; 257, 1; 259, 1; 279, 1; 281, 1; 282, 8; 286, 1; 312, 4; 313, 3; 314, 12; 318, 8; 338, 2; 343, 2; 348, 4; 349, 1; 353, 1; 366, 3; 368, 1; 370, 8; 373, 3; 374, 11; 376, 1; 381, 3; 382, 17; 399, 3; 401, 1; 410, 1; 411, 6; 427, 5; 428, 1; 431, 11; 434, 4; 437, 6; 457, 2; 465, 1; 487, 3; 488, 6; 494, 8; 495, 1; 498, 1; 518, 1; 521, 23; 532, 5; 555, 1; Buffalo Narrows 1, Ile a la Crosse 6.

SMALLPOX—Total cases 47.

*Cities*—4. Moose Jaw 1, Regina 1, Yorkton 2.

*Towns*—7. Battleford 6, Nipawin 1.

*Rural Municipalities*—36. No. 50, 2; 61, 6; 211, 3; 244, 2; 273, 1; 398, 1; 487, 1; 527, 2; 559, 8; Duck Lake Indian Agency 10.

TRACHOMA—Total cases 96.

*Cities*—1. Regina 1.

*Towns*—1. Morse 1.

*Villages*—7. Senlac 1, Vanguard 6.

*Rural Municipalities*—87. No. 76, 6; 127, 5; 159, 1; 229, 1; 459, 2; 466, 4; Qu'Appelle Indian Agency 68.

TUBERCULOSIS—Total cases 525.

*Cities*—134. Moose Jaw 15, North Battleford 3, Prince Albert 11, Regina 44, Saskatoon 50, Swift Current 2, Weyburn 2, Yorkton 7.

*Towns*—36. Asquith 1, Battleford 2, Biggar 1, Broadview 1, Canora 5, Estevan 6, Eston 1, Fleming 1, Foam Lake 1, Gravelbourg 1, Grenfell 1, Gull Lake 2, Kamsack 1, Maple Creek 1, Moosomin 1, Saltcoats 1, Sedley 1, Shaunavon 1, Star City 1, Strasbourg 1, Unity 1, Watrous 1, Whitewood 2, Wilkie 1.

*Villages*—41. Balcarres 3, Bredenbury 1, Bruno 1, Cut Knife 1, Dinsmore 1, Dunblane 1, Dundurn 1, Duval 1, Earl Grey 1, Fairlight 1, Fort Qu'Appelle 1, Harris 2, Herschel 1, Imperial 1, Kinistino 1, Langenburg 1, Leask 1, Lestock 3, Limerick 1, Montmartre 1, Neudorf 1, Neville 1, North Regina 2, Osage 1, Punnichy 1, Rama 1, Rhein 1, Rocanville 1, Sceptre 1, Southey 1, Tompkins 2, Veregin 1, Willowbrook 2.

*Rural Municipalities*—314. No. 3, 1; 4, 1; 5, 1; 9, 1; 32, 1; 34, 1; 35, 1; 37, 1; 38, 2; 42, 3; 43, 1; 44, 1; 65, 1; 67, 4; 73, 1; 74, 1; 77, 1; 78, 1; 80, 1; 92, 1; 97, 1; 98, 3; 99, 1; 102, 1; 107, 1; 111, 1; 122, 2; 124, 1; 125, 1; 130, 1; 134, 1; 137, 1; 144, 1; 152, 1; 153, 4; 154, 5; 156, 1; 158, 1; 159, 2; 161, 1; 165, 2; 166, 1; 168, 1; 181, 1; 183, 1; 184, 1; 187, 10; 189, 2; 194, 1; 211, 1; 213, 1; 215, 2; 216, 2; 217, 1; 218, 1; 219, 1; 221, 4; 224, 1; 226, 1; 228, 1; 241, 4; 244, 3; 245, 2; 246, 1; 247, 1; 251, 1; 255, 4; 256, 1; 257, 1; 258, 1; 260, 1; 261, 1; 273, 1; 274, 3; 279, 1; 280, 1; 282, 1; 285, 1; 303, 1; 304, 5; 305, 1; 308, 2; 315, 1; 317, 2; 320, 1; 331, 5; 333, 2; 335, 1; 336, 2; 337, 1; 338, 3; 342, 2; 344, 1; 347, 1; 352, 2; 364, 1; 366, 1; 368, 1; 370, 3; 371, 1; 372, 4; 376, 1; 377, 1; 380, 1; 394, 1; 397, 1; 398, 2; 399, 1; 402, 1; 403, 2; 404, 2; 405, 1; 406, 1; 408, 1; 410, 1; 424, 1; 426, 1; 427, 1; 428, 1; 430, 1; 431, 3; 434, 1; 435, 3; 438, 2; 442, 1; 456, 1; 458, 1; 459, 2; 461, 2; 463, 2; 464, 4; 469, 2; 470, 1; 471, 1; 472, 1; 486, 1; 487, 2; 491, 1; 493, 1; 494, 4; 496, 1; 498, 2; 502, 3; 519, 1; 520, 1; 521, 3; 524, 5; 529, 1; 531, 1; 555, 1; 583, 1; 586, 1; 621, 2; Beauval 1, Goldfields 1, Ile a la Crosse 6, Lac la Ronge 9, Meadow Lake 1, Ushta 1; Indian Reserves: 48.

TYPHOID AND PARATYPHOID FEVERS—Total cases 74.

*Cities*—10. Moose Jaw 4, North Battleford 1, Regina 2, Saskatoon 3.

*Towns*—5. Battleford 2, Estevan 2, Shaunavor 1.

*Villages*—8. Arelee 1, Coderre 1, Debden 1, Forward 1, Riverhurst 1, Rockglen 1, Simpson 1, Verwood 1.

*Rural Municipalities*—51. No. 4, 1; 63, 2; 100, 1; 101, 4; 105, 2; 152, 1; 166, 1; 171, 1; 194, 2; 224, 2; 231, 4; 232, 1; 281, 2; 301, 1; 373, 2; 374, 1; 377, 1; 398, 1; 402, 2; 435, 1; 460, 1; 502, 1; 555, 1; 556, 1; 559, 3; Ile a la Crosse 2; Indian Agencies: Battleford 2, File Hills 1, Onion Lake 5, Qu'Appelle 1.

## WHOOPING COUGH—Total cases 178.

*Cities*—55. Moose Jaw 13, Regina 33, Saskatoon 7, Weyburn 1, Yorkton 1.  
*Towns*—29. Govan 14, Melville 10, Nokomis 5.  
*Villages*—11. Consul 1, Leroy 10.  
*Rural Municipalities*—83. No. 4, 2; 49, 2; 80, 2; 214, 4; 222, 1; 229, 1; 281, 5; 282, 1; 287, 7; 304, 2; 312, 1; 349, 10; 379, 24; 399, 18; 434, 4.

## CEREBROSPINAL MENINGITIS—Total cases 2.

*Rural Municipalities*—2. No. 381, 1; 465, 1.

## PNEUMONIA—Total cases 44.

*Towns*—7. Alsask 2, Craik 4, Milestone 1.  
*Villages*—12. Buchanan 3, Dilke 1, Elfros 2, Leroy 5, Milden 1.  
*Rural Municipalities*—25. No. 221, 2; 222, 1; 292, 3; 307, 2; 340, 1; 366, 2; 379, 1; 380, 1; 381, 3; 399, 5; 410, 1; 555, 1; 559, 1; Ile a la Crosse 1.

## ERYSIPELAS—Total cases 23.

*Cities*—1. Saskatoon 1.  
*Towns*—3. Carlyle 1, Davidson 1, Eastend 1.  
*Villages*—3. Big River 1, Griffin 1, Landis 1.  
*Rural Municipalities*—16. No. 4, 1; 67, 6; 219, 1; 253, 1; 349, 1; 378, 1; 379, 1; 431, 1; 471, 1; 520, 2.

## INFANTILE PARALYSIS—Total cases 30.

*Cities*—2. Yorkton 2.  
*Towns*—1. Kamsack 1.  
*Villages*—1. Elfros 1.  
*Rural Municipalities*—26. No. 1, 1; 6, 1; 17, 1; 33, 1; 39, 1; 161, 1; 172, 1; 223, 1; 231, 1; 252, 1; 281, 1; 301, 2; 307, 1; 331, 1; 338, 1; 399, 1; 401, 1; 411, 1; 465, 1; 518, 1; 559, 1; 589, 1; 591, 2; 621, 1.

## BACILLARY DYSENTERY—Total cases 8.

*Cities*—1. Saskatoon 1.  
*Towns*—6. Estevan 6.  
*Rural Municipalities*—1. No. 4, 1.

## ENCEPHALITIS LETHARGICA—Total cases 7.

*Rural Municipalities*—7. No. 36, 7.

## ENCEPHALOMYELITIS—Total cases 3.

*Villages*—1. Abbey 1.  
*Rural Municipalities*—2. No. 229, 2.

## GERMAN MEASLES—Total cases 59.

*Cities*—33. Moose Jaw 11, North Battleford 1, Prince Albert 1, Regina 8, Saskatoon 10, Weyburn 1, Yorkton 1.  
*Towns*—2. Battleford 1, Milestone 1.  
*Villages*—4. Bienfait 1, Big River 1, Ceylon 1, Hague 1.  
*Rural Municipalities*—20. No. 4, 1; 101, 1; 122, 1; 156, 2; 221, 1; 276, 1; 342, 1; 374, 4; 403, 2; 410, 6.

## INFLUENZA—Total cases 14.

*Villages*—13. Buchanan 12, Senlac 1.  
*Rural Municipalities*—1. No. 331, 1.

## LEPROSY—Total cases 1.

*Rural Municipalities*—1. No. 211, 1.

## PUERPERAL FEVER—Total cases 3.

*Cities*—1. Prince Albert 1.

*Rural Municipalities*—2. No. 252, 1; 342, 1.

## SORE THROAT—Total cases 47.

*Villages*—8. Landis 3, Leroy 5.

*Rural Municipalities*—39. No. 4, 24; 65, 3; 378, 1; 399, 10; 495, 1.

## DIPHTHERIA CARRIER—Total cases 4.

*Cities*—3. North Battleford 1, Regina 1, Saskatoon 1.

*Rural Municipalities*—1. No. 471, 1.

## UNDULANT FEVER—Total cases 4.

*Cities*—1. Saskatoon 1.

*Villages*—3. Big River 1, Naicam 1, Ridgedale 1.

## IMPETIGO CONTAGIOSA—Total cases 148.

*Towns*—5. Eastend 3, Unity 2.

*Villages*—41. Blaine Lake 3, Leroy 37, Tessier 1.

*Rural Municipalities*—102. No. 49, 1; 105, 4; 134, 3; 191, 1; 217, 1; 221, 10; 312, 2; 399, 60; 404, 11; 460, 1; 461, 1; 471, 1; 486, 4; 518, 1; 556, 1.

## SCABIES—Total cases 135.

*Towns*—17. Eastend 3, Milestone 9, Unity 5.

*Villages*—39. Blaine Lake 3, Borden 3, Hague 8, Leroy 20, Stoughton 5.

*Rural Municipalities*—79. No. 105, 4; 126, 1; 221, 6; 282, 1; 349, 4; 378, 8; 379, 2; 399, 30; 404, 4; 434, 8; 460, 2; 491, 1.

## CONJUNCTIVITIS—Total cases 52.

*Cities*—1. Prince Albert 1.

*Villages*—10. Leroy 10.

*Rural Municipalities*—41. No. 4, 1; 349, 3; 399, 15; 460, 2; Indian Agency: Lac la Ronge, 20.

## VINCENT'S ANGINA—Total cases 1.

*Rural Municipalities*—1. No. 342, 1.

## RINGWORM—Total cases 15.

*Rural Municipalities*—15. No. 191, 1; 221, 8; 252, 2; 282, 1; 381, 2; 486, 1.

TABLE IX.—COMPARATIVE ISSUES AND COSTS OF VACCINES AND SERA. QUINQUENNIAL PERIOD.

Product	1934		1935		1936		1937		1938		Total	
	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost	Amount	Cost
Diphtheria antitoxin .....	37,165.000	\$4,496.70	34,621.000	\$4,071.74	27,321.000	\$3,306.94	23,676.000	\$2,861.04	31,334.000	\$3,796.16	154,117.000	\$18,522.58
Diphtheria toxoid .....	39,302	3,838.70	27,673	3,525.26	22,616	2,994.75	29,754	3,770.15	25,615	3,261.45	135,920	17,310.31
Diphtheria Schick test .....	7,600	76.00	6,700	67.00	8,925	89.25	11,900	119.00	11,375	115.75	46,700	467.00
Smallpox vaccine .....	24,510	1,102.98	29,285	1,317.86	24,700	1,111.54	28,020	1,270.90	36,800	1,656.02	143,315	6,459.30
Typhoid vaccine .....	3,107	349.55	2,927	328.58	5,567	546.46	4,886	502.38	4,557	438.82	21,044	2,165.79
Typhoid-paratyphoid vaccine .....	.....	.....	438	40.08	229	34.11	1,337	123.32	1,184	94.86	3,188	292.37
Anti-meningococcus serum..	4,120	257.50	4,720	295.00	5,260	328.75	5,740	358.75	4,460	278.75	24,300	1,518.75
Tetanus antitoxin .....	1,237,000	371.10	1,394,500	428.35	2,394,500	718.35	2,922,000	883.31	2,010,500	603.15	9,958,500	3,094.26
*Scarlet fever antitoxin .....	13,374	2,131.80	20,613	3,260.85	4,384	.....	.....	.....	.....	.....	38,271	.....
Scarlet fever toxin .....	5,314	1,149.68	8,464	1,850.24	13,166,000	6,389.05	14,136,000	6,135.50	10,125,000	4,276.75	37,428,000	22,293.95
Scarlet fever Dick test .....	4,300	107.50	4,350	108.75	8,920	222.00	15,100	377.50	12,780	319.50	45,450	1,133.25
Anti-anthrax serum .....	400	14.00	1,200	42.00	500	17.50	300	10.50	300	10.50	2,700	91.50
†Pertussis vaccine .....	816	326.40	1,106	442.40	768	307.20	893	357.20	(10cc) 492	.....	4,075	.....
Anti-dysenteric serum .....	.....	.....	.....	.....	1,600	213.60	.....	.....	(8cc) 97	264.70	97	1,697.90
Infantile paralysis serum ..	.....	.....	.....	.....	.....	.....	868	.....	380	56.73	1,980	264.33
Totals .....	.....	\$14,221.91	.....	\$15,797.11	.....	\$19,765.14	.....	\$24,951.35	.....	\$19,839.36	.....	\$94,574.87

\* Dosage changed March 31, 1936, from c.c.'s to units.

† 1934 to 1937, 10cc vials, each sufficient for 3 adults or 5 children; 1938, also 8cc—1 person vials.

## TRACHOMA REPORT, 1938

There were 242 trachoma cases (122 male and 120 female) reported as being under treatment in 1938, as compared with 251 at the end of 1937, a decrease of 9 cases. These are non-Indian cases.

The number of families affected was 124 in 1938, and 139 in 1937.

The department continued its assistance and supervision in the three areas—Warman-Hague, Wymark and Kayville. The Public Health Nurse in each of these areas made regular routine inspections of the eyes of the children in the schools and districts affected, gave treatments and instructed parents how to give them. They were also on the lookout for any new cases which might develop. Teachers are usually very co-operative in trying to keep this disease under control, some even being taught by the nurse how to give the treatments.

In 1938 there were under the supervision of the department 214 cases as compared with 189 cases in 1937. The 214 cases represent 106 families.

New cases discovered by the department were 38, and 32 cases were arrested. There were 24 recurrences.

Private doctors reported 28 cases in 1938 as compared with 62 in 1937.

*Age and Sex of Cases.*

	Male	Female	Total
Number of pre-school age (5 years and under).....	3	.....	3
Number of school age (5 to 14) .....	57	53	110
Number of cases 15 to 19 years .....	17	30	47
Number of cases over 20 years .....	44	36	80
Number of cases, age not stated .....	1	1	2
	<hr/>	<hr/>	<hr/>
	122	120	242

Of the cases 1.2% were pre-school age, 45.4% of school age, 19.4% between 15 and 19, and 33% over 20 years of age.

In 66 cases only one in the family was affected. There were 27 families with 2 in each family; 16 families with 3 in each; 7 families with 4 in each; 4 families with 5 in each; 2 families with 6 in each, and 2 with 7 in each.

*Geographical Distribution of Cases by Rural Municipalities.*

R.M. 70, 29; 76, 6; 106, 6; 107, 7; 127, 5; 136, 24; 137, 19; 159, 2; 165, 4; 166, 8; 171, 4; 172, 1; 222, 3; 229, 3; 230, 3; 231, 5; 245, 1; 253, 4; 254, 1; 333, 2; 343, 6; 374, 47; 375, 19; 377, 3; 402, 5; 404, 3; 406, 1; 411, 1; 458, 2; 459, 2; 465, 1; 466, 11; 487, 2; 588, 4.

In array of number of cases in municipalities they were:

R.M. 172, 245, 254, 406, 411 and 465 have only one case each; R.M. 159, 333, 458, 459 and 487 have two cases each; R.M. 222, 229, 230, 377 and 404 have three cases each; R.M. 165, 171, 253 and 588 have four cases each; R.M. 127, 231 and 402 have five cases each; R.M. 76, 106 and 343 have six cases each; R.M. 107 has seven cases; R.M. 166 has eight cases; R.M. 466 has eleven cases; R.M. 137 and 375 have 19 cases each; R.M. 136 has twenty-four cases; R.M. 70 has twenty-nine cases; R.M. 374 has forty-seven cases.

Cases, therefore, exist in 34 municipalities.

TABLE X.—TRACHOMA, 1938. UNDER SUPERVISION OF DEPARTMENT OF PUBLIC HEALTH AND PRIVATE DOCTORS, AS AT DECEMBER 31, 1938. (NON-INDIAN).

District and Municipality	Cases Dec. 31, 1937	1938, families affected	Number of cases in family							Cases arrested 1938	New cases 1938	Recur- rences 1938	Under treatment Dec. 31, 1938
			1	2	3	4	5	6	7				
Warman-Hague, 374, 375, 403, 404	79	21	6	4	3	2	3	2	1	12	8	10	65
Wymark, 107, 136, 137, 165, 166	30	34	19	8	4	3	3	2	1	13	20	13	59
Kayville, 70	24	17	11	4	1	1	1	1	1	2	7	29	
Fox Valley, 171	2	2	1	2	1	1	1	1	1	1	1	4	
Richmond, 172	1	1	1	1	1	1	1	1	1	1	1	1	
Chamberlain, 222	3	1	1	1	1	1	1	1	1	1	1	3	
Lancer, 229	4	1	1	1	1	1	1	1	1	1	1	3	
Portreeve, 230	3	3	3	3	3	3	3	3	3	1	1	3	
Krupp and Prelate, 231	2	3	2	2	1	1	1	1	1	1	1	3	
Goodeve, 245	1	1	1	1	1	1	1	1	1	1	1	5	
Elbow, 253, 254	4	2	1	1	1	1	1	1	1	1	1	1	
Swan Plain, 333	3	1	1	1	1	1	1	1	1	1	1	4	
Allan, Bradwell, 343	6	3	3	3	3	3	3	3	3	1	1	2	
Sonningdale, 377	4	1	1	1	1	1	1	1	1	2	2	6	
St. Julien, 402	5	1	1	1	1	1	1	1	1	1	1	3	
Fielding, 406	1	1	1	1	1	1	1	1	1	1	1	5	
Sandbeach, 465	2	1	1	1	1	1	1	1	1	1	1	1	
Mullingar, Mayfair, 466	8	6	4	4	1	1	1	1	1	1	1	1	
Spooner, 458	3	4	4	4	4	4	4	4	4	1	1	11	
Lost River, 487	3	4	4	4	4	4	4	4	4	1	1	4	
Champion S.D., 588	4	2	1	1	1	1	1	1	1	1	1	4	
Total	189	106	55	22	15	6	4	2	2	32	38	24	214
Private doctors reported	62	18	11	5	1	1	1	1	1	1	1	1	28
Total	251	124	66	27	16	7	4	2	2	32	38	24	242
Indians reported from Qu'Appelle Indian Agency			40	9	2	1	1	1	1				68



## Venereal Disease

There is a marked decrease in the number of venereal cases reported in 1938, for both diseases, syphilis and gonorrhœa; 1,491 cases were reported in 1937, and 1,244 in 1938, a decrease of 247 cases, or 16.5%.

Syphilis cases reported in 1938 were 438 as compared with 567 in 1937, a decrease of 129 cases, or 22.7%.

The number of gonorrhœa cases reported in 1938 were 806, compared with 924 cases were reported, showing a decrease of 118 cases, or 12.77%.

There was a small increase in the number of doses of anti-luetic drugs supplied to physicians for the treatment of indigent syphilis patients; 7,106 doses were supplied in 1938 as compared with 6,778 doses in 1937, an increase of 328 doses.

These drugs were supplied for 239 patients and averaged 16 doses of bismuth or mercury and 13.5 doses of an arsenical per patient.

The decrease in the number of patients treated at the venereal disease clinics during 1938 was 190, or 8% less than in 1937. There was also a decrease in the number of treatments given in the clinics, a decrease of 1,238 syphilis treatments and 9,477 less gonorrhœa treatments than in 1937.

There were 192 syphilis patients and 675 gonorrhœa patients discharged from the clinics as apparently cured; 33% of all female patients reported during the year, and 18.3% of the male patients were 21 years of age or under.

Syphilis reported by stages of the disease showed an increase of patients in the third stage:

	1938	1937	1936	1935	1934
First stage .....	17.3%	27.6%	37%	26 %	19%
Second stage .....	29.9%	40.2%	34%	38 %	37%
Third stage .....	44.8%	26.4%	25%	27.6%	36%
Congenital .....	8 %	5.6%	4%	8.4%	8%

### Drugs Supplied to Physicians

Arsenicals (doses) .....	3,232
Bismuth or mercury (doses) .....	3,874

### Wassermanns Taken in Gaols

	Taken	Positive	Per cent. positive
Regina .....	1,066	21	2 %
Prince Albert .....	688	19	2.76%
Battleford (women) .....	103	14	13.6 %

The following tables give the details of the work done by the Division:

- XII—Venereal diseases reported.
- XIII—Patients treated at venereal disease clinics.
- XIV—Treatments given in venereal disease clinics.
- XV—Comparative statement—Syphilis clinics.
- XVI—Comparative statement—Gonorrhœa clinics.



TABLE XII.—VENEREAL DISEASES REPORTED, 1938.

Syphilis and gonorrhœa	1938 Total cases	1938		1937		1936		1935-30	
		M.	F.	M.	F.	M.	F.	M.	F.
<i>Syphilis</i>									
Reported by clinics .....	277	175	102	235	145	216	99	1,061	671
Reported by physicians .....	161	91	70	116	71	48	30	272	156
Total syphilis .....	438	266	172	351	216	264	129	1,333	827
<i>Gonorrhœa</i>									
Reported by clinics .....	710	585	125	625	181	871	279	3,482	1,389
Reported by physicians .....	96	74	22	75	43	73	43	403	130
Total gonorrhœa .....	806	659	147	700	224	944	322	3,885	1,519
Total male and female syphilis and gonorrhœa ....	1,244	925	319	1,051	440	1,208	451	5,218	2,346
Total cases syphilis and gonorrhœa .....		1,244		1,491		1,659		7,564	

Total decrease 1938 from 1937 was 247 cases, or 16.5%.

There was a decrease of 126 males, or 12%, and 121 female cases, or 27.5%.

TABLE XIII.—PATIENTS TREATED AT CLINICS, 1938.

	1938 Total cases	1938		1937		1936		1935-30	
		M.	F.	M.	F.	M.	F.	M.	F.
Syphilis .....	852	528	324	581	355	389	266	2,429	1,446
Gonorrhœa .....	1,302	924	378	970	438	1,087	459	4,558	2,417
Total male and female .....	2,154	1,452	702	1,551	793	1,476	725	6,987	3,863
Total .....		2,154		2,344		2,201		10,850	

Total decrease in 1938 over 1937 was 190, or 8%.

TABLE XIV.—TREATMENTS GIVEN IN CLINICS, 1938.

	1938	1937	1936	1935 to 1930
Syphilis .....	14,203	15,441	11,654	46,504
Gonorrhœa .....	30,042	39,519	42,638	192,117
Total .....	44,245	54,960	54,292	238,621

Average number of syphilitic treatments per patient in 1938, 16.7.

Average number of gonorrhœal treatments per patient in 1938, 23.

TABLE XV.—SYPHILIS. COMPARATIVE REPORT. SASKATCHEWAN CLINICS, 1938.

Venereal Disease Clinics	Patients						Treatments				Wassermanns		Dark fields		Discharged						Defaulters returned for treatment		Home visits
	Cases carried over from previous years		New cases admitted to clinics		Total patients attending clinics (Monthly average)		Male		Female		Examinations and Consultations		Positive	Negative	Apparently cured		Transferred		Defaulters		M.	F.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Positive	Negative	M.	F.	M.	F.	M.	F.	M.	F.	
Regina .....	94	64	69	28	52.6	39.3	1,770	1,269	185	360	258	728	2	2	58	16	19	13	3	3	5	86	
Saskatoon .....	152	96	43	42	49	68	1,974	2,421	131	120	181	548	7	1	73	40	...	...	...	...	...	70	
Moose Jaw .....	70	32	15	11	35.5	15	1,414	713	211	118	70	291	...	...	5	2	11	5	7	2	7	28	
Prince Albert .....	30	26	9	6	18.75	18.8	437	366	94	24	28	148	...	...	2	2	1	1	8	...	...	...	
Regina Gaol .....	5	...	21	...	5	...	130	...	673	...	19	669	...	...	2	...	17	...	...	...	...	...	
Regina Gaol .....	1	...	14	...	3	...	101	...	1,029	...	21	1,045	...	...	...	...	...	...	...	...	...	...	
Battleford Gaol .....	...	2	...	14	...	3.8	...	...	...	...	14	89	...	...	...	...	...	...	...	...	...	...	
Swift Current .....	1	2	4	1	3	2	188	107	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<b>Total</b> .....	353	222	175	102	166.85	146.9	6,014	5,162	2,323	704	591	3,518	7	3	140	52	48	19	15	5	7	7	184
<b>Grand total</b> .....	575	277	313.75	3,027	11,176	4,109	10	67	20	14	184	184	184										

TABLE XVI.—GONORRHOEA. COMPARATIVE REPORT. SASKATCHEWAN CLINICS, 1938.

Venereal Disease Clinics	Patients				Treatments				Sneers				Discharged				Defaulters returned for treatment		Home visits				
	Cases carried over from previous years		New patients admitted during year		Total patients attending clinics (Monthly average)	Male	Female	Cautery	Examinations and consultations		Positive		Negative		Apparently cured	Transferred		Defaulters					
	M.	F.	M.	F.					M.	F.	Laboratory	Clinic	Laboratory	Clinic		M.	F.	M.		F.	M.	F.	M.
Regina .....	195	42	330	28	84.4	18	8,395	1,328	..	236	216	1,424	1,855	..	344	39	10	11	4	1	52		
Saskatoon .....	193	157	104	28	42.6	44	4,435	4,928	..	181	171	686	145	1,083	130	52	..	..	..	..	..	48	
Moose Jaw .....	20	27	57	15	18	7.5	2,495	483	9	159	107	69	36	284	18	17	15	5	7	3	4	19	
Prince Albert .....	15	24	50	18	19	20	3,528	697	..	33	35	87	43	125	8	6	2	2	..	..	..	..	
Prince Albert Gael .....	2	..	5	..	2	..	544	..	..	631	..	..	..	..	4	..	..	..	..	..	..	..	
Regina Gael .....	2	..	15	..	2.5	..	720	..	..	64	..	..	..	..	..	..	..	..	..	..	..	..	
Battleford Gael .....	..	2	..	36	..	4	..	428	..	..	14	4	60	..	..	..	..	..	..	..	..	..	
Swift Current .....	2	1	24	..	4	..	384	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
<b>Total .....</b>	<b>339</b>	<b>253</b>	<b>585</b>	<b>125</b>	<b>172.5</b>	<b>93.5</b>	<b>29,331</b>	<b>7,864</b>	<b>9</b>	<b>1,395</b>	<b>543</b>	<b>2,270</b>	<b>224</b>	<b>3,387</b>	<b>172</b>	<b>561</b>	<b>114</b>	<b>29</b>	<b>18</b>	<b>7</b>	<b>4</b>	<b>1</b>	<b>119</b>
<b>Grand total .....</b>	<b>592</b>		<b>710</b>		<b>266</b>				<b>30,042</b>				<b>6,053</b>		<b>675</b>		<b>47</b>		<b>14</b>		<b>5</b>		<b>119</b>

## Division of Sanitation

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REGINA, February 1, 1939.

DR. R. O. DAVISON,  
Deputy Minister of Public Health,  
Regina, Sask.

SIR,—

The following report covers the work of the Division of Sanitation for the calendar year 1938:

### WATERWORKS AND SEWERAGE

Considerable increased activity took place in the waterworks and sewerage field during the latter part of the year. This is largely accounted for by the operation of the Dominion Municipal Improvements Assistance Act of Canada, 1938, the provisions of which made it possible for municipalities to obtain a loan from the Dominion Government for capital construction on self-liquidating projects. Although the Act did not come into operation in the province until the latter part of August numerous municipalities applied for a loan on projects, the construction of which was deferred until the following year.

The value of the certificates issued for waterworks and sewerage during the year was the highest since 1932.

#### *Municipal Waterworks.*

There were seventeen certificates issued for the extension and construction of waterworks systems and the total value of work authorized during the year amounted to \$305,773.00.

The only entirely new installation was that at Goldfields, where a surface system was installed together with pumping station and chlorinating equipment.

#### *Semi-Urban and Rural Water Supplies.*

A somewhat higher precipitation during the year replenished, to some extent, the failing water supplies both public and private. This may account for the decrease in the number of water opinions issued during the year. A total of 2,312 samples were analysed as compared with 2,886 during the previous year.

The construction of farm dugouts has continued as in the past and there is a noticeable increase in the use of these supplies for domestic purposes. The Division prepared a plan describing the method of constructing a filter to the dugout and the construction necessary in order that a safe water supply might be obtained. These dugout wells are becoming more numerous as time goes on and may be the means of solving a difficult situation.

#### *Sewerage and Sewage Disposal.*

Five certificates were issued for the extension of sewage disposal plants and sewerage systems totalling a value of \$71,312.00. This includes an amount of \$45,000.00 for the City of Moose Jaw for improvements to the sewage treatment plant and is an alternative to the proposal advanced the previous year, but which was rejected by the burgesses. The original proposal contemplated an expenditure of \$75,000.00 and in view of the decreased expenditure only a portion of the necessary improvements is included at this time. Actual construction work was not commenced during the year.

### URBAN AND RURAL SANITATION

The total number of inspections during the year was 12,092.

#### *Milk Supplies.*

There are 257 towns, villages and rural municipalities in the province which have passed bylaws for the licensing of dairy vendors and the com-

pulsory testing of dairy cattle for tuberculosis. Of this number 88 bylaws provide for the testing of cows for infectious bovine abortion in addition to the tuberculin testing.

Although the city of Moose Jaw passed a compulsory pasteurization bylaw in 1937, it has not been enforced, and the milk situation is much the same as it was during the time of the typhoid fever epidemic in 1937. The Town of Rosetown passed a compulsory pasteurization bylaw in 1938.

During the year 1,277 inspections of milk supplies were made.

#### *Food Supplies.*

One thousand, eight hundred and thirty-three butcher shops, slaughter houses and bakeries, where food is stored, processed or sold to the public, were inspected during the year 1938.

#### *Hotels, Boarding Houses and Restaurants.*

Two thousand, six hundred and ninety-four inspections were carried out under this heading during the year. This included the inspection of 471 hotels and they were classified as follows:

A	Very good	123
B	Good	265
C	Fair	82
D	Poor	1

#### *Summer Resorts and Tourist Camps.*

Seventy-nine inspections of summer resorts and forty of tourist camps were made during the year.

#### *Lumber, Mine and Construction Camps.*

Sixty-six camp inspections were made during the year. This includes lumber camps in the northern part of the province and the coal mines in the Estevan area. A number of road construction camps were also inspected.

### GENERAL

#### *Plumbing.*

A total of 29 plumbing permits were issued during the year and 76 plumbing inspections were made by the sanitary officers.

#### *Communicable Diseases.*

The number of inspections made in connection with communicable diseases was 33.

#### *Vital Statistics.*

Inspections and investigations in connection with vital statistics records totalled 256.

#### *Ice Permits.*

One hundred and forty-two permits regarding the sanitary quality of ice harvested by individuals and companies were issued during the winter months.

#### *Cemetery Sites.*

Fourteen new cemeteries were established during the year, following the submission of satisfactory information regarding the topography and environment of the areas. The sites approved are located at Buchanan, Compass, Doncrest, Carrot River, High Tor, Meteor, Moon Hills, Middle Lake, Mayview, Rose Valley, Prairie River, St. Walburg, Silver Grove and St. Louis.

#### *Slaughter Houses.*

Licenses issued to butchers	180
Licenses issued to beef rings	107
Total	<u>287</u>

The decrease in slaughter house licenses over the previous year amounted to 17 and for beef rings 15, making a total decrease of 32.

#### *Council and Public Meetings.*

The district sanitary officers addressed a total of 33 meetings of municipal councils and other public bodies during the year.

#### SUMMARY OF INSPECTIONS

The total number of inspections, and the percentage of the total, as carried out by the district sanitary officers during the year, is given in the table below.

	No. of inspections	% of totals
Inspections to determine the sanitary environment of towns, villages and hamlets.....	1,116	9.2
Water, milk and food supplies.....	5,238	43.3
Hotels, boarding houses, restaurants and licensed premises .....	2,694	22.3
Disposal of wastes.....	886	7.3
Investigation of communicable disease and vital statistics records .....	289	2.4
Hospitals, schools, institutions (water supply and drainage) and plumbing inspections.....	293	2.4
Summer resorts and tourist camps.....	119	1.0
Barber shops .....	361	3.0
Camps—lumber, mining and Boy Scout.....	66	0.5
Public and council meetings.....	33	0.2
Miscellaneous inspections:		
Fox ranches .....	53	0.4
Other inspections .....	944	8.0
Totals.....	12,092	100.0%

#### HOSPITAL INSPECTIONS

Eight inspections were made in connection with sites for proposed hospitals, additions to hospitals, newly established hospitals, etc. In addition, 45 routine inspections in connection with plumbing and drainage were made by the district sanitary officers.

#### CORRESPONDENCE

During the year, 3,605 letters were received and 7,060 were dispatched, exclusive of circular letters and correspondence to and from the district sanitary officers.

#### APPENDICES

Attached are four tables in connection with this report. Number 1 is waterworks, number 2, sewerage and sewage disposal, number 3, sanitary environment scores awarded urban municipalities, and number 4, inspections made by district sanitary officers.

Respectfully submitted,

J. G. SCHAEFFER, B.Sc.,  
*Sanitary Engineer.*

TABLE 1.—WATERWORKS.

Date 1938	Municipality	Work authorized	Amount
Feb. 17	Melville .....	Extension of water main to Lutheran Old Folks' Home .....	\$ 5,688.00
March 16	Prince Albert..	Installation of four horizontal pressure filters, one additional pump and necessary piping .....	33,000.00
April 26	Goldfields .....	Waterworks system, chlorinating equipment, storage and elevated tanks at "Box" mine .....	14,000.00
May 2	Goldfields .....	Extension of water system .....	3,500.00
July 22	Moose Jaw .....	Replacing water main .....	4,800.00
July 27	Watrous .....	Construction of pumphouse, earth dam and cut-off wall, piping and pumping equipment .....	4,400.00
Aug. 29	Prince Albert..	Extension of water treatment plant and water distribution system ..	42,000.00
Sept. 15	Melfort .....	Replacing pipe line .....	40,000.00
Sept. 19	Indian Head ..	Extension of water main to Experimental Farm .....	5,785.00
Oct. 1	Yorkton .....	International iron removal filter, closed system .....	24,500.00
Oct. 5	Saskatoon .....	Construction of feeder main .....	40,000.00
Oct. 17	Melville .....	Additional aeration tank area, and chemical dry feeders .....	4,300.00
Oct. 17	Melville .....	Extension to water gallery .....	5,000.00
Oct. 31	Swift Current..	Construction of pipe line from water treatment plant to underground storage reservoir .....	17,000.00
Nov. 21	Maple Creek...	Renewal of pipe line .....	18,000.00
Dec. 13	Morse .....	Extension of water main .....	4,000.00
Dec. 14	Saskatoon .....	Standby pumping units .....	40,000.00
Total .....			\$305,773.00

TABLE 2.—SEWERAGE.

Date 1938	Municipality	Work authorized	Amount
Feb. 28	Melville .....	Extension of sewerage system to Lutheran Old Folks' Home .....	\$ 4,712.00
March 16	Prince Albert..	Extension of domestic sewer .....	1,800.00
April 26	Goldfields .....	Sewerage system and ejector station at "Box" mine .....	13,300.00
May 2	Goldfields .....	Extension of sewerage system and duplicate ejector and compressor .....	6,500.00
Sept. 15	Moose Jaw .....	Flocculator, primary clarifier, multi-stage sludge digesters and sewage storage tank .....	45,000.00
Total .....			\$71,312.00

TABLE 3.—SCORES AWARDED URBAN MUNICIPALITIES.

District No. 1		Name	Score	District No. 3		Name	Score
<i>Towns</i>		Rouleau	83	<i>Towns</i>		Lampman	48
Name	Score	Caron	79	Name	Score	Sedley	48
Shaunavon	88	Mortlach	75	Estevan	95	Redvers	47
Gravelbourg	86	Qu'Appelle	74	Broadview	88	Kendal	44
Maple Creek	85	Ogema	67	Indian Head	84	Stoughton	42
Herbert	84	Balgonie	65	Carnduff	83		
Leader	84	Milestone	62	Arcola	78	<b>District No. 4</b>	
Cabri	83			Wolseley	77	<i>Towns</i>	
Gull Lake	83	<i>Villages</i>		Oxbow	76	Melville	91
Eastend	76	Regina Beach	89	Whitewood	73	Canora	90
Morse	75	Keeler	84	Carlyle	68	Saltcoats	89
		Viceroy	83	Sintaluta	68	Kamsack	88
<i>Villages</i>		Avonlea	82	Wapella	68	Lemberg	82
Aneroid	86	Coderre	81	Alameda	67	Bredenbury	79
Lancer	86	Central Butte	80	Grenfell	65	Foam Lake	75
Bateman	82	Craven	78	Radville	65	Wadena	71
Consul	82	Rockglen	78	Yellow Grass	62		
Hodgeville	82	Marquis	76	Moosomin	60	<i>Villages</i>	
Prelate	82	North Regina	76	Fleming	58	Dysart	83
Vanguard	81	Disley	75	Francis	58	Springside	76
Chaplin	80	Riverhurst	75			Rhein	75
Lafleche	80	Tuxford	75	<i>Villages</i>		Theodore	75
Ernfold	79	Findlater	75	Creelman	83	Duff	74
Robsart	79	Mazenod	74	Benson	81	Hyas	74
Dollard	78	Briercrest	72	Glenavon	81	Kelliher	74
Frontier	78	Ceylon	72	Kipling	81	Balcarres	72
Mendham	78	Ardill	71	Windthorst	80	Lipton	72
Neville	78	Palmer	71	Bienfait	78	Norquay	72
Orkney	78	Pense	71	Rocanville	76	Pelly	72
Abbey	77	Mossbank	70	Goodwater	75	Lebret	71
Admiral	77	Parkbeg	70	Welwyn	75	Esterhazy	70
Webb	77	Bengough	69	Carievale	74	Invermay	70
Kincaid	76	Bridgeford	69	Vibank	72	Fort Qu'Appelle	69
Meyronne	76	Brownlee	69	Maryfield	71	Langenburg	69
Shackleton	76	Edenwold	68	North Portal	71	Lestock	69
Tompkins	76	Lawson	67	Colgate	70	Hubbard	68
Bracken	75	Limerick	67	Forget	69	Neudorf	68
Ponteix	75	Mawer	67	Halbrite	69	Stenen	67
Portreeve	75	Verwood	67	Frobisher	67	Tantallon	67
Woodrow	75	Wood Moun- tain	67	Alida	66	Abernethy	66
Fox Valley	74	Bethune	66	Gainsborough	66	Spy Hill	66
Instow	74	Ettington	63	Macoun	66	Sturgis	66
Pennant	74	Belle Plaine	62	Fairlight	63	Bangor	65
Val Marie	74	Darmody	62	Kisbey	63	Buchanan	65
Burstall	73	Spring Valley	62	Heward	62	Goodeve	65
Carmichael	73	Tugaske	60	Montmartre	62	Preeceville	65
Sceptre	73	Vantage	60	Bromhead	61	Atwater	64
St. Boswells	73	Amulet	59	Manor	61	Killaly	64
Cadillac	72	Eye-brow	59	Torquay	61	Rama	64
Lemsford	71	Khedive	59	Antler	60	Togo	64
Piapot	71	Coronach	58	McTaggart	59	Calder	63
Shamrock	71	Drinkwater	58	Summerberry	59	Dubuc	63
Success	71	Fife Lake	57	Wawota	59	Elfros	63
Vidora	71	Hardy	57	Griffin	57	Wroxton	63
Waldeck	71	Mitchellton	56	Kennedy	57	Fenwood	62
Climax	70	Willows	56	Osage	57	Insinger	62
Hazenmore	70	Pangman	53	Odessa	56	Jasmin	62
Scotsguard	70	Truax	48	Lang	54	Leross	62
Rush Lake	69	Wilcox	48	Roche Percee	53	Lintlaw	62
		Willow Bunch	47	Wauchope	53	Stockholm	62
<b>District No. 2</b>		Horizon	43	Glen Ewen	52	Stornoway	62
<i>Towns</i>		Forward	42	Tribune	52	Arran	61
Lumsden	90	Readlyn	38	Fillmore	51	MacNutt	61
Assiniboia	86			Midale	49		





TABLE 4.—INSPECTIONS BY DISTRICT SANITARY OFFICERS FOR CALENDAR YEAR 1938.

District	Towns— First inspection	Towns— Follow up inspection	Villages— First inspection	Villages— Follow up inspection	Hamlets— First inspection	Hamlets— Follow up inspection	Hospitals— Follow up inspection	Hospitals— First inspection	Water supplies	Milk supplies	Food supplies	Schools and institutions	Tourist camps	Summer resorts	Hotels	Boarding houses	Restaurants	Licensed premises	Hospitals	Plumbing inspectors	Camps—Lumber, Mining, etc.	Waste disposal grounds	Communicable disease	Vital Statistics	Barber shops	Public and council meetings	Miscellaneous	Total inspectors	Municipal officials interviewed	Total inspection hours
No. 1	11	9	72	11	58	5	454	206	503	124	2	8	131	19	232	93	1	9	17	148	137	67	88	2,405	386	746				
No. 2	23	31	71	75	60	23	483	332	426	10	18	7	172	40	338	140	19	21	281	64	145	24	28	3	37	13	684			
No. 3	12	15	62	42	49	11	377	199	229	2	4	15	134	3	163	122	2	5	17	102	3	28	7	23	1,626	302	431			
No. 4	22	18	80	41	4	1	167	166	277	2	2	6	146	.....	118	94	.....	4	4	101	1	46	10	38	1,348	410	420			
No. 5	14	2	50	13	30	4	144	99	127	1	1	8	61	.....	89	46	.....	1	4	77	1	8	8	141	929	99	219			
No. 6	11	6	40	6	49	4	191	119	97	3	3	29	65	3	77	45	4	4	3	88	21	15	1	165	1,049	121	238			
No. 7	3	4	20	4	48	2	309	156	169	29	10	6	102	28	112	112	5	32	21	87	8	22	49	11	271	1,620	299	472		
No. 8	96	85	395	192	298	50	2,128	1,277	1,833	174	40	79	814	93	1,133	654	43	76	66	886	33	256	361	33	997	12,092	2,238	3,223		

District No. 7 was divided into two sections and worked by the Sanitary Officers of Districts Nos. 6 and 8.  
 District No. 2 was worked by the Sanitary Officers of Districts Nos. 1, 3 and 5.

# Provincial Laboratory

REGINA, November 1, 1939.

DR. R. O. DAVISON,  
Deputy Minister of Public Health,  
Regina, Sask.

SIR,—

I beg to submit the following report of examinations made in the Provincial Laboratory during the year 1938:

Wassermann tests .....	28,580	Miscellaneous .....	1,557
Throat swabs .....	531	First aid .....	274
Sputa .....	389	Blood counts .....	469
Widals .....	640	Waters (bacteriological) .....	2,196
Agglutination tests for bacillus abortus .....	714	Waters (chemical) .....	2,115
Urinalyses .....	4,054	Police exhibits .....	271
Examinations for gonorrhœa .....	7,616	Autopsies .....	25
Operation specimens .....	2,165	Miscellaneous (chemical) .....	281
		Total .....	51,877

The table shows a marked increase over 1937 in Wassermann tests, urinalyses and operation specimens. A decrease is noted in the number of Widal tests, sputum examinations for tubercle bacilli and examinations for gonorrhœa. All other types of examinations remain at approximately the same level.

The marked increase in the number of Wassermann tests may be accounted for by the larger number of hospitals which are now taking routine tests on all patients admitted. The increase in urinalyses is due to routine examinations which are made for the Regina Normal students and all inmates of the Regina Jail. Surgical specimens from all the hospitals where there is no pathologist, are examined in the Provincial Laboratory, and there has been an increase of four hundred in the number of surgical specimens examined during the year.

The number of Widal tests for typhoid are approximately one-half of the number done in the previous year. This is easily accounted for by the fact that there has been no serious epidemic of typhoid during 1938. There is also a marked decrease in the number of tests for undulant fever.

Sputum examinations also continue to decrease from year to year. This, however, is due in great part to the work being done in the laboratories of the tubercular sanatoria.

From the standpoint of Public Health, it is interesting to note that the number of examinations for diphtheria continues to stand at a low level—the number having decreased steadily for several years.

In nineteen hundred and eighteen, just twenty years ago, the number of examinations made in the laboratory were approximately one-twentieth of what they are now. Twenty times the amount of work is being done with very little larger staff and in exactly the same amount of space.

We have been extremely fortunate that there has been little or no demand for poliomyelitis serum during the year. It has not been necessary to call for extra blood donors or to make any country trips in order to obtain blood. Adequate serum is on hand at the present time.

Respectfully submitted,

FRANCES G. MCGILL, M.D.,  
Director, Provincial Laboratory.

# Public Health Nursing

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REGINA, July 12, 1939.

DR. R. O. DAVISON,  
Deputy Minister of Public Health,  
Regina, Sask.

SIR,—

I beg to submit herewith the report of the Division of Public Health Nursing of the Department of Public Health for the year ended December 31, 1938.

A staff of twelve public health nurses carried on the field work of the division during the greater part of the year. One nurse was absent during the early months, engaged in post-graduate study at the University of Toronto. One assisted with the Poliomyelitis Clinic at Regina during January, February and March. With the entire staff available in the early spring it was possible to reduce the size of two of the districts, both in the southern part of the province, thus providing for a more intensive service in a large section of the drought area. Headquarters were arranged at Shaunavon, Assiniboia, Estevan, Leader, Wolseley, Kindersley, Watrous, Rosetown, Yorkton, North Battleford, Saskatoon, Melfort and Cumberland House.

The following urban centres continued to finance public health nursing services: Regina, Saskatoon, Moose Jaw, Prince Albert, North Battleford, Yorkton, Melville and Weyburn. With the exception of the first three, all were given assistance through this division in the nature of supplies and supervision.

As in the preceding year, a considerable amount of time was spent in arranging for remedial work for children resident within relief areas. Notwithstanding this, the objectives of health education were kept constantly in mind and were given the greatest emphasis. The time at which remedial work is being done is often the most advantageous for pointing the health lesson. As such it was not disregarded.

A summary of the work accomplished is appended herewith and forms a part of the report for the year.

## SCHOOL HEALTH WORK

The number of schools visited totalled 401, with 18,229 children being given a complete health inspection. This was only a small percentage of the schools in the province but was the maximum possible, with a small staff carrying numerous other responsibilities.

At the close of the year a check-up was made on the results of the inspections through formal reports requested from teachers. Of the 401 forms sent out 328, or 81.79% per cent., were returned. The information sought concerned correction of physical defects among the children, improvements in hygiene of the school plant and detail as to the variety and amount of health teaching.

Only one teacher reported no results.

All but 21 reports showed corrections in the physical defects reported. This was due, without doubt, to the large amount of organized remedial work, particularly in relief areas.

No improvements in the school plant were reported from 191 schools, a feature which is deplored and which was due in a great measure to the poor financial condition in which so many school districts in Saskatchewan found themselves at the time. If school health teaching is important—and all authorities agree that it is—the necessary facilities must be provided to carry it out. It cannot be done in a school plant in which health requirements are disregarded.

Teachers do not always report adequately on health teaching. With the present public school curriculum requiring the allotment of four per cent. of the school time to health work, it is hard to believe that 75 out of a total of 328 schools (22.86 per cent.) are correct in reporting no health activities whatever.

The total number of physical defect corrections reported by teachers was 5,906. This number did not include figures for immunization nor for improvement in rate of gain in growth which, while of great importance to health, cannot properly be classed as defects. It did include treatment for carious teeth, unhealthy nose and throat conditions, defective vision and hearing and other special defects as listed in the summary. To this number we have added 6,553 children given dental treatment at clinics and 273 treated for defective vision through the Canadian National Institute for the Blind, none of which were included in the reports of teachers, according to a careful check of records. The total of physical defect corrections directly attributable to the efforts of the public health nurses for the year was 12,732.

#### *Nutrition.*

The general appearance of the children in schools in relief areas as to nutrition was given particular attention. In the main it appeared to be fairly good. The number of children with evident signs of undernourishment was low, and, while numbers of such cases were noted, the total was not greater than in previous years. The general health appeared to be well up to the average. This fact was stated by every nurse on the staff. All children inspected were weighed, and the weight compared with the standard average for height and age in order to secure reasonably accurate data. However, emphasis was placed in every case on the importance of regular gain in both height and weight. Reports indicated 2,465 children showed improvement in the rate of gain during the year. Teachers were advised to keep monthly records where weighing was possible. Small scales are now available at a very low cost, and are most valuable as a part of school equipment. Every effort was made to provide attention to the correction of physical defects reported in the underweight cases. Both adequate rest and proper food were emphasized.

#### *Dental Clinics.*

While in general the weights do not appear to have suffered appreciably during the drought years, it is regretted that the same cannot be reported of certain other features. Dentistry has continued to be the urgent need, and in the period under review the parents throughout the greater part of the province could do little towards providing it. We, therefore, proceeded with clinics as in previous years, to the extent that they formed our major activity, particularly during the summer months when rural schools were accessible. The general plan of organization remained unchanged with financial assistance provided by the Canadian Dental Hygiene Council, the Saskatchewan Dental Society, the local district and the Department of Public Health, and organization carried out by our nurses. The following figures will indicate the extent of the work:

#### Detail of work:

Number of clinics held (in schools).....	440
Number of days' work .....	554¾
Number of children treated .....	7,221
Number of dentists who assisted .....	67
Number of free clinics .....	3

#### Sponsor organizations:

School boards .....	346
Local organizations .....	94

#### Finance:

Canadian Dental Hygiene Council .....	\$ 250.00
Saskatchewan Dental Society .....	250.00
Districts served .....	3,313.85
Department of Public Health.....	6,643.86

Total amount paid to dentists.....	<u>\$10,457.71</u>
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Dental clinics following our plan, but entirely financed locally, were held in 13 schools, with 731 children being treated.

The total results for the year were:

Total number of school dental clinics .....	453
Total number of school children treated .....	7,952

In the six years of Dental Clinic organization, all in relief districts, 25,064 children have been given treatment. No comment is necessary as to the influence of this work on the health of the children concerned. It is quite safe to say that fully 95 per cent. of them would have been untreated except for this effort.

While this was remedial work, it was also highly educational. School board members, who had previously given little thought to the dental needs of children, were found to be keenly interested and anxious to have the service repeated annually. A number of schools, not in the relief area, followed our plan of organization and endeavoured to arrange with a dentist for regular work each year. We hold this as our objective for every school in the province. The demonstration, made possible by the work of the past six years, should be a great help in the achievement of the objective. Too much cannot be said of the co-operation given by the Saskatchewan dentists in conducting the clinics. The work is hard, the hours are long and the remuneration is only nominal, but assistance has been given in every case most willingly and without complaint. Their reward must be, in part, the knowledge of the value of the service to the children to whom it has been given.

The organization of school dental clinics was first undertaken at the suggestion of the dental associations. Their approval of it may be judged by the following, quoted from the last report of the Executive Secretary of the Canadian Dental Hygiene Council:

"I am convinced that if the Canadian Dental Hygiene Council had nothing further to report than this outstanding public dental health programme, carried out during this last year by the Provincial Department of Health (Saskatchewan) and the committees from the Provincial Dental Association, this alone would have fully justified the existence of our Council."

#### *Defective Vision.*

Defective vision is frequently a handicap to the child. Unrecognized by the parent, it retards both his health and his school progress. The correction of this defect among children in the relief area was made possible through an arrangement with the Canadian National Institute for the Blind. Cases were noted by the nurses in their health inspection work and, on their recommendation, were accepted for medical examination and provision of glasses, if necessary. A total of 273 cases was treated during the year. Such children were thus placed in a position to profit more fully from the education facilities provided.

#### *Instruction in Home Nursing.*

A part of the public school curriculum in health calls for instruction in simple procedures in home nursing for girls in the senior grades. This service was given in 71 schools, with an attendance of 1,497. The classes could be given only during the winter months, when work was in progress in town and village schools, as it required the attention of the nurse for several days in succession. The demonstrations and lectures were given to girls of fourteen years and over, and included bed-making, routine care of bed patients, diet for the sick, simple treatments and applications and infant care. Time was allowed for practice periods which the girls enjoyed. The work should be valuable to these teen-age girls who are potential homemakers.

### PRE-SCHOOL WORK

#### *Literature.*

Material on child welfare was given wide distribution through our own nurses, those in city health departments and hospitals and through medical doctors and women's organizations. The booklets were given out with discrimination and only to persons by whom they would be used. In all a total of almost 25,000 pieces was sent out during the year. This figure included material on pre-natal and post-natal care, pre-school age, school age

and miscellaneous information. As in previous years, the booklet on infant care was the most popular, with the one on the care of the pre-school child growing in favour as it became known. A publication on the school-age child has been added, which should prove of interest. The various Home-School Clubs in the province have been anxious to secure it, and have been supplied. A similar publication on the teen-age, or high school age, is now in preparation.

The judicious distribution of good material on child care to mothers who are every day facing the problems, is considered one of the most effective of all instruments of health education. Many appreciative letters are received concerning it, probably more than for any service which is given.

#### *Health Centres.*

While measures for remedial work occupied much time, our nurses were, nevertheless, able to continue the health centres previously organized. These centres, held monthly, provide a means of supervision of the health of infants and pre-school age children, particularly with reference to regular gain in growth and routine care and feeding. They are usually held in places in which there is no resident doctor. A total of 94 such centres, with an attendance of 1,636, comprised the work for the year. Cod liver oil, special cereals for infants, etc., were distributed to needy cases at the centres. This material was supplied to us, without charge, by a number of commercial firms.

#### HOME VISITS

The only direct contact between the Public Health Department and the home is through the public health nurse, who, at the time of the school health inspection, visits the parents of every child. Home calls to the number of 5,175 were made in 1938. The majority were in the interest of the health needs of school children, but pre-school age children were weighed, child care literature, particularly with reference to proper diet, was distributed and general health problems were discussed. Special calls were made concerning pre-natal care, trachoma, tuberculosis, communicable diseases and other cases, as required. The strength of a public health nursing service undoubtedly lies in the frequency and regularity of the contacts with the parents and the home.

#### SPECIAL WORK

##### *Private Hospitals and Nursing Homes.*

Inspection visits were made to 68 private hospitals and nursing homes. A permit for the conduct of such homes was given upon the favourable report of the nurse following the visit. These regular visits are a means of supervision of small places which are not government-aided but which provide care for patients in small centres, thus meeting a need not otherwise supplied.

##### *Tuberculosis Follow-up Work.*

Twenty-three cases were referred by the Saskatchewan Anti-Tuberculosis League for special follow-up visits to patients who had been under treatment at the Sanatoria. A special report was made to the League in each case.

##### *Mental Hygiene Cases.*

At the request of department officials, 12 calls were made in cases of mental defect for whom institutional care had been requested. A special report followed each call, which was of a social service nature entirely and dealt with the ability of the home to provide the necessary care for the person concerned. Cases investigated were adults, as well as children.

##### *Poliomyelitis Clinic.*

One of our nurses was in attendance for the duration of the special Clinic for Anterior-Poliomyelitis cases from various sections of the province which was conducted at the Grey Nuns Hospital, Regina, from November, 1937, to March, 1938. She was responsible for occupational work for the patients and for contact with the parents who came with their children. Through the initiative of the nurse, in co-operation with the Sister in charge of the ward and with very generous assistance from individuals and local organizations, many treats were provided and the children kept busy, happy and contented, all of which are important features in promoting recovery from the disease. The time in the ward served also as a valuable training for the nurse in the after-care and treatment of poliomyelitis.

In September and October, when a follow-up survey was made, three nurses in different districts had an opportunity to see the cases with the orthopedic specialist who made the survey.

#### *Treatment of Trachoma.*

Cases of trachoma in the Hague-Rosthern, Kayville and Wymark districts were under the supervision of three public health nurses, this being in addition to their usual duties. The figures showed a considerable reduction in the number of cases as compared with previous years.

Number of cases under supervision .....	143
Number of special treatments given .....	676
Number of home visits <i>re</i> treatment .....	487

#### *Bedside Care.*

This service was continued at Cumberland House, a northern outpost, where the nurse supplies the only available care for the sick. During the year she attended at 21 obstetrical cases and gave bedside care as required. As well as this, 583 home calls were made and attention given in 274 office consultations. Nine deaths occurred, of which 2 were adults, 3 children and 4 infants.

A fairly severe epidemic occurred in September from which three deaths resulted. The Department of Public Health sent a doctor in by plane from The Pas, Manitoba, to deal with the situation.

#### MATERNITY GRANTS

During the year the Maternity Grant was authorized for 5,266 needy mothers. The cost of the service was as follows:

Grants paid direct to mothers.....	\$26,420.00
Gratuities paid to doctors.....	17,083.00
Contributions toward hospitalization.....	63.00
Total amount expended .....	<u>\$43,566.00</u>

An average of 101.26 grants were authorized for every week of the period under review. The greatest number occurred in the month of December, when the total was 543.

The Maternity Grant is not administered as a relief measure. In every case emphasis is placed on the importance of pre-natal medical examination as a requirement for authorization. Very few grants are given without it. As a means of safeguard for both mother and child this has a decided public health value.

The grant was authorized in connection with approximately one-third of the births occurring during the year.

#### ACKNOWLEDGMENTS

The generous assistance of individuals and organizations, both voluntary and official, in connection with the work of this division is gratefully acknowledged.

Respectfully submitted,

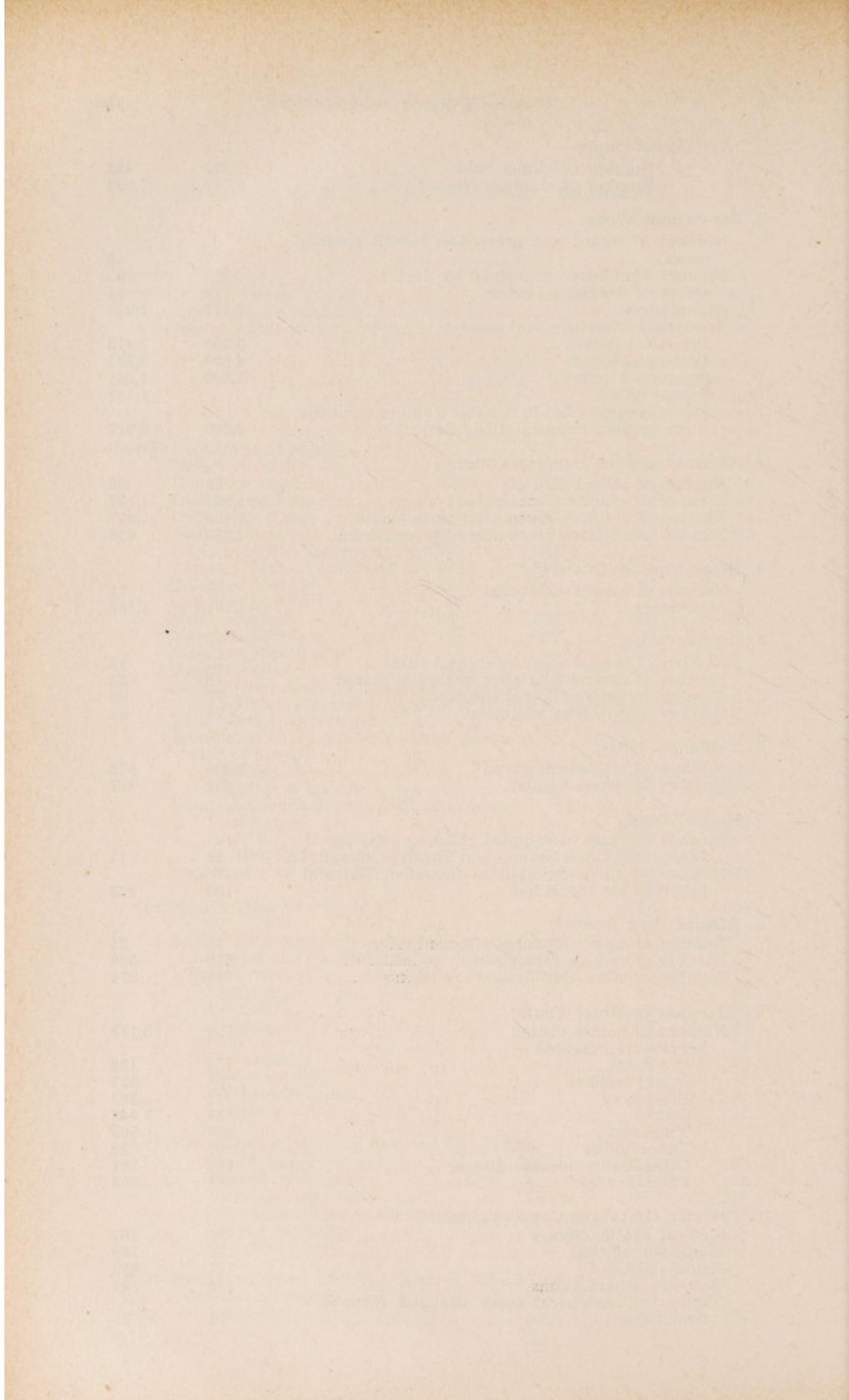
RUBY M. SIMPSON, REG. N.,  
*Director of Nursing Services.*



## SUMMARY OF WORK OF PUBLIC HEALTH NURSES

1. SCHOOL WORK:		1937	1938	
Number of schools visited.....		498	401	
Number of pupils inspected.....		18,406	18,229	
Number of pupils with no apparent defect.....		4,600	4,208	
	<i>Signs of defect reported</i>	<i>Corrections reported by teachers</i>		
		(393 reports)	(328 reports)	
		1937	1938	
(a) Inspection of pupils—				
Defective vision.....	1,841	1,725	525	518
Defective hearing.....	230	217	59	50
Discharging ears.....	18	47	55	47
Unhealthy throat.....	3,516	2,818	559	454
Nasal obstruction.....	961	819	308	233
Carious teeth—Temporary..	5,733	5,948		
Carious teeth—Permanent..	7,973	8,306	3,681	4,115
Enlarged thyroid.....	426	390	27	27
Orthopedic defect.....	28	31	9	15
Skin eruptions.....	343	332	300	301
Nervous disorders.....	170	81	27	14
Suspect tuberculosis.....	5	6	16	15
Special cases.....	244	198	106	48
Dental corrections recorded in dental clinics for which no teacher's report was received..			4,732	6,553
Total dental corrections.....			8,375	10,668
Immunization of school children previous to visit of nurse—				
Vaccination.....			5,296	5,131
Diphtheria toxoid.....			5,051	4,760
Immunization following visit of nurse—				
Vaccination.....			1,529	1,671
Diphtheria toxoid.....			2,093	1,818
Scarlet fever serum.....				152
Improved gain in growth.....			2,644	2,465
(b) Health talks in schools.....			792	698
(c) School improvements reported by teachers following the recommendation of the public health nurse—				
Lighting.....			24	28
Ventilation.....			14	13
Cleanliness.....			92	49
Desks.....			43	34
Blackboards.....			49	40
Water supply.....			42	47
Washing facilities.....			55	27
Toilets.....			78	41
(d) Special health teaching reported by teachers—				
Health plays.....			136	103
Records and charts.....			154	131
Morning inspection.....			260	217
Junior Red Cross organization.....			81	52
Weight records.....			67	83
Hot noon lunch.....			60	41
(e) Health teaching material sent to schools at request of teacher—				
Plays, stories, booklets, etc.....			408	424

(f) Dental clinics—		
Number of clinics held .....	279	453
Number of children treated .....	5,542	7,952
2. PRE-SCHOOL WORK:		
Number of infant and pre-school health conferences .....	7	8
Number of children examined by doctor .....	237	282
Number of weighing centres .....	129	94
Attendance .....	2,177	1,636
Pre-school literature sent out—		
Pre-natal letters .....	3,000	2,475
Post-natal letters .....	4,000	3,835
Pre-school letters .....	1,400	1,691
School letters .....		1,127
Miscellaneous (diet lists, habit training, accident prevention, immunization, etc.) .....	4,000	2,877
		of each
3. ASSISTANCE WITH IMMUNIZATION:		
Number of school districts .....	60	55
Number of children vaccinated .....	1,387	1,177
Number of children given diphtheria toxoid .....	1,466	1,877
Number of children given scarlet fever serum .....	1,630	630
4. HOME NURSING CLASSES:		
Number of classes conducted .....	58	71
Attendance .....	1,181	1,497
5. SPECIAL WORK:		
Number of special visits <i>re</i> mental cases .....	27	12
Number of tuberculosis cases visited in homes .....	18	23
Number of nursing homes inspected .....	72	68
Number of meetings addressed .....	74	61
6. TRACHOMA WORK:		
Number of treatments given .....	2,804	676
Number of homes visited .....	638	487
7. RELIEF WORK:		
Number of cases of crippled children reported to Junior Red Cross Society and Shriners' Hospital .....	12	11
Number of cases reported to Canadian National Institute for the Blind .....	193	273
8. BEDSIDE CARE SERVICE:		
Number of maternity cases attended .....	18	21
Number of bedside care visits .....	570	583
Number of office consultations <i>re</i> illness .....	445	274
9. SUMMARY OF HOME VISITS:		
Number of homes visited .....	6,169	5,175
Services represented—		
Pre-natal .....	174	128
Infant welfare .....	796	523
Pre-school .....	1,741	1,328
School .....	4,554	3,546
Trachoma .....	638	505
Tuberculosis .....	57	22
Other communicable disease .....	119	101
Special cases .....	501	303
10. OFFICIAL CALLS AND CONSULTATIONS:		
Medical health officers .....	296	261
Municipal officials .....	146	220
School officials .....	737	659
Women's organizations .....	164	194
Number of obstetrical cases attended (Cumberland House) .....	18	21



# Government-Aided Hospitals

REGINA, September 1, 1939.

DR. R. O. DAVISON,  
Deputy Minister of Public Health,  
Regina, Sask.

SIR,—

I beg to submit herewith the report on government-aided hospitals for the calendar year 1938.

## 1. HOSPITALS—NUMBER AND TYPES:

There were, including the three sanatoria, eighty hospitals on the approved list in 1938; besides these, the Red Cross Society operated ten hospitals, bringing the total number operating under *The Hospitals Act* up to ninety.

These hospitals are classified as follows:

11 Municipal	Hospitals containing	1,266 beds	29.4%
17 Sisters'	" "	1,201 "	27.8%
3 Sanatoria	" "	736 "	17.1%
23 Union	" "	542 "	12.6%
17 Community	" "	282 "	6.5%
4 United Church	" "	110 "	2.6%
4 Private	" "	61 "	1.4%
1 V.O.N.	" "	14 "	.3%
10 Red Cross	" "	101 "	2.3%
90 Hospitals (including 10 Red Cross)		4,313 beds	100.0%

Three new hospitals, as follows, were added to the list of government-aided hospitals:

Broadview—St. Michael's, as from July 1, 1938.

Foam Lake—Foam Lake, as from October 11, 1938.

Estevan—St. Joseph's, as from November 26, 1938.

The General Hospital at Kamsack was closed on April 30th, and the St. John's Hospital at Rosthern on September 13th, the premises of the latter being taken over by the Rosthern Community Hospital. The Municipal Hospital at Scott was also closed temporarily on August 22nd, while the Hafford Hospital was closed from July 30th to December 20th.

## 2. HOSPITAL BEDS, PATIENTS AND HOSPITAL DAYS:

Including the ten Red Cross hospitals, there were 4,313 hospital beds in 1938. This included 833 beds for tuberculosis and 258 beds for isolation purposes. There were 27 beds in the Psychopathic Ward of Regina General Hospital not included in the above.

With an estimated population of 941,000 in 1938, we had one hospital bed for every 218.2 of our people, or 4.6 beds per 1,000 population.

The number of patients cared for in all hospitals in 1938 was 87,083, and the total number of hospital days was 1,210,663. This was an increase of 2,815 patients and 26,389 hospital days over 1937. General hospitals cared for 2,236 more patients and had 14,761 more hospital days than in 1937; while the sanatoria had an increase of 579 patients and 11,628 hospital days.

One person in 10.8, or 9.3 per cent. of our population, had hospital treatment in 1938; every day an average of 239 patients were admitted.

Each patient remained in hospital an average of 11.7 days (excluding the sanatoria). The average stay in Union hospitals was 11.0 days. In the sanatoria, the length of treatment of the actively tuberculous was 12.1 months as compared with 11.8 months in 1937.

Every day in 1938 there was an average of 3,316.9 patients in our hospitals. This was an increase of 72.3 over the 1937 daily average.

Each bed accommodated for the year an average of 20.2 patients, and 76.9 per cent. of the bed capacity was occupied daily.

The three sanatoria at Fort Qu'Appelle, Prince Albert and Saskatoon cared for 2,810 tuberculosis patients, 2,443 suffering from pulmonary and 367 from other forms of the disease. Some of these were treated for at least part of the time in other hospitals.

### 3. NURSES' TRAINING SCHOOLS, GRADUATE NURSES, DIETITIANS AND INTERNES:

There were ten training schools for nurses in 1938. From these 194 nurses graduated during the year and 674 pupil nurses were in training. In 1937, 181 nurses graduated and 634 pupil nurses were in training.

In all hospitals, 634 graduate nurses were employed as compared with 584 in 1937.

Twelve hospitals employed a full-time dietitian, and two hospitals had two full-time dietitians each.

Hospital internes were employed as follows:

Moose Jaw General Hospital	-	-	-	two
Moose Jaw Providence	"	-	-	one
Regina General	"	-	-	ten
Regina Grey Nuns	"	-	-	three
Saskatoon City	"	-	-	seven
Saskatoon St. Paul's	"	-	-	five

### 4. MATERNITY CASES, BIRTHS AND MATERNAL DEATHS:

In 1938 there were 8,437 maternity cases cared for in the hospitals as compared with 7,999 maternity cases in 1937. This was an increase of 438 over 1937.

Of the maternity cases treated in hospitals, 1,729 cases were cared for in the Union hospitals. This means that 20.5 per cent. of the total number of maternity cases were cared for in the Union hospitals, although these had only 12.6 per cent. of the total bed capacity.

Maternity cases comprised 11.4 per cent. of the 15,219 patients admitted to the Union hospitals.

There were 8,251 living births in hospitals in 1938 as compared with 7,856 living births in 1937. This was an increase of 395 over 1937, while in the same period the living births for the whole province decreased by 478.

The total number of living births in Saskatchewan in 1938 was 18,162, so that one of every 2.2, or 45.4 per cent., of the total births took place in government-aided hospitals.

There were eight maternal deaths in hospital in 1938. This was a maternal death rate of .97 per 1,000 living births. The maternal death rate for the whole province in 1938 was 2.5 per 1,000 living births; in 1937 the maternal death rate for the hospitals was 3.7 and for the whole province 4.6 per 1,000 living births.

### 5. OPERATIONS, ANAESTHETICS, COMMUNICABLE DISEASE AND GENERAL MEDICAL:

In all hospitals, 45,530 cases, or 52.3 per cent., were operative. In union hospitals, 32.2 per cent. were operative.

Nineteen medical, 46 surgical and 47 obstetrical infections developed in hospital.

In 1938, 835 cases of communicable disease, other than tuberculosis, were treated in the isolation hospitals.

Among the other cases treated in hospital there were 641 cases of goitre, 1,211 cases of cancer and 241 cases of venereal disease.

The number of general anaesthetics administered in hospitals in 1938 was 22,627.

### 6. LABORATORY AND X-RAY:

The number of laboratory examinations made in 1938 was 201,570, an increase of 12,766, or 6.8 per cent., over 1937.

There were 53,637 X-ray examinations made in 1938. This was 689, or 1.3 per cent., less than in 1937.

In 1938, there were 12,561 Wassermann blood tests made on hospital patients, being 2,192 more than in 1937.

#### 7. DEATHS AND AUTOPSIES:

The death rate in our hospitals in 1938 was 2.6 per cent. of the total admissions. In 1937, the rate was 3.1 per cent. of total admissions.

There were 387 autopsies performed in 1938 as compared with 462 in 1937. In 1938, autopsies were performed on 16.8 per cent. of the bodies of patients dying in hospitals; in 1937 such figure was 17.7 per cent.

#### 8. FINANCIAL:

##### (a) Buildings.

The value of buildings and equipment, as estimated by the auditors at the end of 1938, was \$8,546,807.28, a decrease of \$68,886.53 from 1937.

##### (b) Earnings.

The earnings of all hospitals in 1938 amounted to \$3,789,512.61, of which \$2,668,459.32 were patients' fees and \$972,672.00 were Provincial Government grants (including statutory and relief).

The Provincial Government also paid grants of \$23,802.46 to hospitals that did not submit a financial statement, bringing the total government grants to hospitals (statutory and relief) for 1938 to the amount of \$996,474.46. (See Table No. 7.)

##### (c) Statutory Grants.

Provincial Government statutory grants, at 50c per hospital day, amounted to \$742,352.00, plus grants totalling \$568.00 paid to the Lucky Lake and Dinsmore Red Cross branches for the previous year (1937). This was at the rate of \$2,033.84 per day, or \$8.52 for each patient, including the sanatoria; excluding the sanatoria, the figure was \$5.77 per patient. In the case of the sanatoria, the government grant amounted to \$286,811.00, and was equivalent to \$35.08 for each patient admitted. Sanatoria receive the grant also for those out-patients treated in general hospitals, and the latter are reimbursed by the Saskatchewan Anti-Tuberculosis League at the rate of the full "per diem cost in sanatoria for the previous year".

##### (d) Relief Grants.

The relief grant earned by hospitals in 1938 amounted to \$254,122.46.

##### (e) Operating Costs.

The total operating expenditure for 1938 was \$2,811,615.08. In addition, fixed charges were \$264,827.20 and capital expenditure \$61,946.30. The average cost per patient per day for all hospitals was \$2.37 as compared with \$2.35 in 1937.

Eight hospitals had an operating cost in excess of \$3.00 per day; forty between \$2.00 and \$3.00; twenty-nine between \$1.00 and \$2.00; while one, Biggar St. Margaret's, had an operating cost of 95c per patient per day. (See Table No. 5.)

The average cost per bed per day was \$1.83. The average annual cost of laundry per bed for the 57 hospitals reporting laundry costs was \$21.03.

The average operating costs were apportioned as follows:

	All Hospitals					Union Hospitals				
	1934	1935	1936	1937	1938	1934	1935	1936	1937	1938
	%	%	%	%	%	%	%	%	%	%
Salaries .....	36	37	40	37	39	40	39	39	41	42
Food and provisions	20	21	18	21	21	20	21	20	21	21
Power, light and fuel	10	12	10	10	10	10	13	11	9	10
Medical and surgical supplies .....	12	10	12	13	11	13	10	12	12	11
Laundry .....	3	3	3	3	3	3	3	4	4	4
Upkeep of buildings and grounds, etc.	10	7	9	9	9	6	6	6	5	5
Miscellaneous expenses .....	9	10	8	7	7	8	8	8	8	7

(f) *Schedule of Charges.*

The schedule of charges varies as shown below:

Private ward per day.....	\$2.00 to \$ 7.00
Semi-private ward per day.....	1.00 to 4.00
Public ward per day.....	.75 to 3.50
Isolation hospital per day.....	1.50 to 5.50
Case room .....	2.00 to 10.00
Operating room .....	1.00 to 15.00
X-ray .....	.50 to 25.00
Laboratory .....	.10 to 15.00

9. MISCELLANEOUS AND NON-MEDICAL:

In twenty-seven hospitals only pasteurized milk is used. Thirty-nine hospitals have some kind of liability insurance. Sixty-eight hospitals do their own laundry.

The secretary treasurer is bonded in forty-four institutions.

Respectfully submitted,

C. F. W. HAMES, M.D.,  
 Director of Hospital Administration.

H. TABLE I.—COMPARATIVE STATEMENT OF EARNINGS AND EXPENDITURES OF UNION HOSPITALS, 1938.

Hospitals	Number of beds	Number of patients	Number of hospital days	Earnings	Expenditure			Total expenditure	Cost per patient per day	Amount in excess of average operating cost	Amount below average operating cost
					Operating	Maintenance	Administration				
Areola, Brock	13	240	3,054	\$13,552.63	\$ 6,094.82	\$ 114.59	\$ 1,273.66	\$ 7,483.07	\$2.15	\$1,497.23	\$ 2,438.41
Assinibola	18	858	7,098	41,903.37	10,969.82	468.05	1,035.40	12,473.27	1.61	292.25	
Cabri	24	756	7,320	28,318.00	12,131.66	1,039.16	1,408.63	14,639.45	2.00	2,663.82	
Davidson	17	287	2,297	7,936.35	5,991.59	680.57	493.78	7,165.94	3.12	157.87	
Eatonia	14	274	3,192	8,213.39	5,479.64	224.05	710.50	6,414.19	2.01	289.14	
Edam	15	335	4,262	12,006.25	7,302.76	340.91	989.99	8,633.66	2.03	1,479.89	
Edson	34	902	9,351	22,878.42	17,151.63	1,009.42	1,646.80	19,807.85	2.12	1,902.46	
Eston	14	414	4,609	29,358.49	7,580.51	421.08	1,223.64	9,225.21	2.00	913.27	
Gull Lake	22	689	6,897	24,752.40	13,304.86	1,393.25	725.47	15,420.58	2.24	6,059.56	
Indian Head	15	317	2,942	9,116.43	5,245.48	234.63	1,199.48	6,679.59	2.27	299.24	
Kelvington	35	538	6,538	19,326.02	10,955.68	336.46	1,222.10	12,515.24	1.91	3,709.93	
Kerriobert	30	844	7,558	24,178.45	17,389.88	866.00	2,617.30	20,873.24	2.76	5,081.71	
Kindersley	15	446	5,614	13,152.16	5,955.47	823.51	514.53	7,293.51	1.30	543.42	
Lampman	22	628	8,649	22,871.65	14,770.47	680.09	2,044.90	17,495.46	2.02	1,545.95	
Lashburn	61	1,845	22,319	47,459.80	32,937.23	2,252.87	3,473.33	38,663.53	1.73	3,668.22	
Lloydminster	10	271	2,219	8,491.04	5,431.74	313.13	156.32	5,895.19	2.66	4,394.63	
Oxbow	47	1,063	14,795	48,007.36	27,329.43	1,341.32	3,995.66	32,666.43	2.21	5,735.37	
Rosetown	15	788	6,388	16,287.93	7,149.75	108.56	891.64	8,155.85	1.28	2,973.31	
Rose Valley	30	868	9,227	34,195.30	20,092.10	808.91	3,507.28	24,408.29	2.56	1,271.88	
Shaumaven	30	857	9,389	33,441.28	12,537.39	973.14	2,168.60	15,429.13	1.64	8,490.79	
Unity	30	233	2,563	11,060.02	5,603.60	162.25	529.51	6,295.36	2.46	240.08	
Vanguard	14	1,215	15,469	26,868.20	18,725.10	1,267.47	1,835.88	21,828.45	1.41		
Wadena	32	551	5,182	16,642.55	8,589.26	375.13	952.23	9,916.64	1.91		
Wilkie	15	551	5,182	16,642.55	8,589.26	375.13	952.23	9,916.64	1.91		
<b>Total</b>	<b>542</b>	<b>15,219</b>	<b>167,742</b>	<b>\$510,827.40</b>	<b>\$278,466.87</b>	<b>\$16,234.70</b>	<b>\$34,677.55</b>	<b>\$329,379.12</b>			
<b>Average</b>	<b>24</b>	<b>662</b>	<b>7,293</b>	<b>22,209.89</b>	<b>12,107.25</b>	<b>705.86</b>	<b>1,507.72</b>	<b>14,326.83</b>	<b>1.96</b>		



H. TABLE II.—NURSING STATISTICS FOR SASKATCHEWAN HOSPITALS, 1938.

Hospitals	Bed Capacity			Number of patients treated	Total number of hospital days	Average days' stay in hospital	Average number of patients in hospital daily	Number of doctors practising in hospital	Medical staff meetings	Number of staff meetings	Internes	Nursing Staff				Nurses' training school	Number of nurses graduated during the year	Affiliation with other hospitals for nurses' training	Dietitian	Liability insurance	Is secretary treasurer bonded?	Has hospital a separate nurses' home?	Is laundry done in hospital or sent out?	Have you governing hospital regulations?	Outpatients' department	Number of outpatients	
	General	Isolation	Tuberculous									Total	Graduate nurses	Popul nurses	Other attendants												
															M.												F.
Arcola, Brock Union .....	13	.....	.....	13	3,054	12.7	8.4	5	.....	.....	.....	4	1	2	.....	.....	.....	.....	.....	Yes	.....	in	.....	28			
Assiniboia, Union .....	18	.....	.....	18	7,608	8.9	20.8	2	.....	.....	.....	6	1	5	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Beauregard, Municipal .....	10	.....	.....	10	2,014	7.7	5.5	1	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Bienfait, Community .....	13	.....	.....	13	423	3.52	8.5	1	Yes	12	.....	4	1	2	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Biggar, St. Margaret's .....	27	7	.....	36	678	7.374	10.9	2	Yes	9	.....	4	1	8	.....	.....	.....	.....	.....	Yes	.....	in	.....	72			
Birch Hills, General .....	11	.....	.....	11	3,342	11.6	9.2	1	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Broadview, St. Michael's .....	10	.....	.....	10	1,670	10.4	9.1	4	Yes	2	.....	6	1	4	.....	.....	.....	.....	.....	Yes	.....	in	.....	628			
Cabri, Union .....	22	2	.....	24	755	7.320	9.7	5	Yes	6	.....	7	1	6	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Canora, H. W. Memorial .....	46	4	.....	50	11,565	9.0	31.7	5	Yes	10	.....	2	1	2	.....	.....	.....	.....	.....	Yes	.....	out	.....	.....			
Central Butte, Victorian .....	12	2	.....	14	1,719	9.1	4.7	1	.....	.....	.....	4	2	4	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Cudworth, St. Michael's .....	15	4	.....	19	4,930	9.3	13.5	2	Yes	12	.....	4	1	1	.....	.....	.....	.....	.....	Yes	.....	out	.....	.....			
Davidson, Union .....	20	2	.....	22	2,297	8.0	6.3	4	.....	.....	.....	3	1	2	.....	.....	.....	.....	.....	Yes	.....	out	.....	.....			
Dodsland, Association .....	25	.....	.....	25	3,792	14.1	10.4	1	.....	.....	.....	3	1	2	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Easton, Union .....	12	2	.....	14	3,192	11.6	8.7	1	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Eldon, Union .....	15	.....	.....	15	4,262	12.7	11.7	1	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Elrose, Community .....	8	2	.....	10	139	1.002	7.2	2	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	.....	.....			
Elrose, Community .....	21	.....	.....	21	7,234	9.7	19.8	4	Yes	12	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	out	.....	.....			
Estevan, St. Joseph's .....	32	1	6	39	408	6.7	11.3	4	.....	.....	.....	8	1	2	.....	.....	.....	.....	.....	Yes	.....	in	.....	138			
Eston, Union .....	30	4	.....	34	9,351	10.4	25.6	2	Yes	2	.....	8	2	4	.....	.....	.....	.....	.....	Yes	.....	out	.....	.....			
Foam Lake .....	12	.....	.....	12	608	9.2	7.4	1	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Frontier, Community .....	12	.....	.....	12	1,490	10.1	4.1	2	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Gravelbourg, St. Joseph's .....	55	3	.....	58	10,168	17.1	27.9	5	.....	.....	.....	7	.....	.....	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Gull Lake, Union .....	12	2	.....	14	4,609	11.1	12.6	1	.....	.....	.....	4	1	3	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Hafford .....	23	3	.....	26	2,55	3.297	12.9	14.8	2	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	Yes	.....	in	.....	.....			
Herbert, Community .....	12	1	.....	13	283	10.1	7.8	2	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	.....	1,867			
Humboldt, St. Elizabeth's .....	68	4	2	74	18,684	8.6	51.2	8	Yes	10	.....	8	26	1	3	.....	.....	.....	.....	.....	.....	in	.....	.....			
Ile a la Crosse .....	20	1	4	25	306	13.7	11.5	1	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	out	.....	3,000			
Indian Head, Union .....	20	2	.....	22	689	6.897	10.0	18.9	3	Yes	10	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	in	.....	.....			
Kamsack, General .....	12	1	1	14	1,132	7.1	9.7	4	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	.....	.....			
Kamsack, King Edward .....	14	.....	.....	14	757	6.281	8.3	7	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	.....	.....			
Kelvington, Union .....	15	.....	.....	15	317	2.942	9.3	8.1	1	Yes	10	.....	3	1	1	.....	.....	.....	.....	.....	.....	in	.....	.....			
Kerrobert, Union .....	29	6	.....	35	538	6.538	12.2	17.9	2	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	out	.....	.....			
Kincaid, Community .....	10	2	.....	12	363	3.493	9.6	9.6	2	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	.....	.....			
Kinderley, Union .....	26	4	.....	30	844	7.558	9.0	20.7	2	.....	.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	.....	.....			
Lampman, Union .....	15	.....	.....	15	446	5.614	12.6	15.4	1	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	.....	.....			
Lashburn, Union .....	20	2	.....	22	8,649	12.8	23.7	3	Yes	4	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	.....	.....			
Leacock, St. Joseph's .....	12	.....	.....	12	2,185	7.9	6.0	2	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	.....	.....			
Lloydminster, Union .....	55	4	.....	61	22,319	12.1	61.1	3	Yes	12	.....	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	.....	.....			

Maeklin, St. Joseph's	36	4	2	42	1,139	11,587	10.2	31.7	2 Yes	9	5	5	5	2	2	2	2	4	2	2	39	44	42	in out	Yes	151
Maple Creek, General	30	5	.....	35	364	9,270	9.6	25.1	2 Yes	12	10	10	10	36	10	10	10	36	10	10	.....	.....	.....	in	Yes	.....
Meadow Lake	21	2	.....	23	741	8,525	11.5	23.4	3	.....	5	5	5	1	1	1	1	4	1	1	.....	.....	.....	in	Yes	.....
Melfort, Lady Minto	44	2	2	48	1,079	9,998	9.3	27.4	5 Yes	12	10	10	10	1	1	1	1	4	1	1	.....	.....	.....	in	Yes	.....
Melville	20	10	.....	30	391	3,372	8.6	9.2	8	.....	5	5	5	1	1	1	1	3	1	1	.....	.....	.....	in	Yes	.....
Milden, Community	10	.....	.....	10	322	2,980	9.3	8.2	2	.....	3	3	3	2	2	2	2	3	2	2	.....	.....	.....	in	Yes	.....
Moose Jaw, General	161	24	15	200	3,099	47,483	15.3	130.1	21 Yes	12	11	11	11	2	2	2	2	3	2	2	F.T.	F.T.	.....	in	Yes	.....
Moose Jaw, Providence	78	20	.....	98	1,909	23,718	12.4	65.1	21 Yes	12	4	4	4	1	1	1	1	3	2	2	.....	.....	.....	in	Yes	.....
Moosomin, General	19	.....	.....	19	372	3,855	10.4	10.8	9	.....	5	5	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Nipawin, Lady Grey	18	1	.....	19	602	6,152	10.2	16.9	5 Yes	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Nokomis, Community	10	.....	.....	10	167	981	5.9	2.7	3	.....	2	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
N. Battleford, Notre Dame	79	.....	.....	79	1,977	21,642	10.9	59.3	9 Yes	9	17	17	17	3	3	3	3	16	3	3	.....	.....	.....	in	Yes	.....
Oxbow, Union	10	.....	.....	10	271	2,219	8.2	6.1	3	.....	3	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	out	Yes	.....
Ponetz, Gabriel	27	3	.....	30	295	3,065	10.3	8.4	2 Yes	4	4	4	4	1	1	1	1	32	6	6	.....	.....	.....	in	Yes	.....
Pr. Albert, Holy Family	125	.....	.....	135	2,896	37,587	13.1	103.0	17 Yes	10	24	24	24	35	35	35	35	6	32	32	.....	.....	.....	in	Yes	.....
Prince Albert, Victoria	78	8	.....	86	2,126	27,332	12.9	74.9	16 Yes	2	8	8	8	27	27	27	27	1	10	10	F.T.	F.T.	.....	out	Yes	704
Rabbit Lake, Rose Gill	14	.....	.....	14	511	4,829	9.5	13.2	1 Yes	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Regina, General	325	31	20	376	7,673	100,532	13.1	275.4	69 Yes	12	10	10	10	49	49	49	49	20	31	31	.....	.....	.....	in	Yes	.....
Regina, Grey Nuns	228	12	10	250	5,390	72,005	13.4	197.3	60 Yes	10	3	3	3	23	23	23	23	4	6	6	.....	.....	.....	in	Yes	.....
Rosetown, Union	46	1	.....	47	1,963	14,795	13.9	40.5	4 Yes	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Rose Valley, Union	15	.....	.....	15	788	6,388	8.1	17.5	1	.....	3	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Rothern, St. John's	18	2	.....	20	432	3,508	8.1	9.6	2 Yes	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Routeau, Community	10	.....	.....	10	133	877	6.6	2.4	2	.....	2	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Saskatoon, City	285	26	.....	311	6,230	93,627	15.0	256.5	68 Yes	10	7	7	7	36	36	36	36	148	10	10	.....	.....	.....	in	Yes	.....
Saskatoon, St. Paul's	204	12	.....	216	5,187	59,060	11.4	161.8	62 Yes	9	5	5	5	14	14	14	14	103	33	33	.....	.....	.....	in	Yes	.....
Scott, Municipal	16	2	2	20	130	1,011	8.4	4.3	5	.....	2	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Shamamon, Union	24	6	.....	30	868	9,527	11.0	26.1	3	.....	8	8	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Simonsen, W. M. Society	9	.....	.....	9	256	2,347	9.2	6.4	1	.....	2	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Swift Current, General	41	12	2	55	1,343	13,802	10.2	37.8	5 Yes	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	out	Yes	.....
Tisdale, St. Therese	48	3	.....	51	1,581	15,235	9.6	41.7	4 Yes	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Unity, Union	25	3	2	30	857	9,389	11.0	25.7	2	.....	4	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Vanguard, Union	14	.....	.....	14	233	2,563	11.0	7.0	1	.....	3	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	out	Yes	.....
Wadena, Union	30	2	.....	32	1,215	15,459	11.1	42.4	4 Yes	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Wakaw, Anna Turnbull	19	3	3	25	715	6,498	9.1	17.9	1 Yes	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Watrous, Manitoba	12	.....	.....	12	270	3,065	11.4	8.4	5 Yes	12	5	5	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	out	Yes	.....
Weyburn, General	50	4	.....	54	784	9,810	12.5	26.9	4 Yes	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Whitewood, Community	10	.....	.....	10	330	3,269	9.9	9.0	3	.....	4	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Wilkie, Union	15	.....	.....	15	551	5,182	9.4	11.2	3	.....	4	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Yorkton, Queen Victoria	95	5	.....	100	2,346	22,362	9.5	61.3	8 Yes	10	7	7	7	29	29	29	29	2	13	13	.....	.....	.....	in	Yes	.....
Fort Qu'Appelle, San.	.....	8	310	318	3,366	126,320	162.3	339.0	5 Yes	43	28	28	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	2,604
Prince Albert, San.	.....	2	231	233	1,604	90,522	198.6	245.4	4 Yes	300	25	25	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	5,525
Saskatoon Sanatorium	.....	.....	.....	165	3,207	69,969	193.4	183.8	3 Yes	33	21	21	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	2,863
Regina Junior Red Cross	28	.....	.....	28	154	7,540	49.0	20.7	.....	.....	3	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
Red Cross Outposts	73	.....	.....	73	1,772	16,131	9.1	44.2	10	.....	18	18	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	in	Yes	.....
3,222		258	833	4,313	87,083	1,210,663	13.9	Aver-ago 36.9	40	720	28	684	674	166	339	10	194	1	16	F.T.	.....	.....	.....	68	12	.....
						11.7	or ex-clud- ing total San. 3,316.8																	42	66	.....

Lloydminster Hospital: Saskatchewan patients 819, hospital days 9,148; Alberta patients 1,026, hospital days 13,171.

DEPARTMENT OF PUBLIC HEALTH

H. TABLE III.—NURSING STATISTICS FOR SASKATCHEWAN HOSPITALS, 1938.

Hospitals	Number of maternity cases cared for	Percentage of maternity cases to total number of admissions	Number of living births	Number of multiple births	Percentage of living births to number of cases	Number of abortions		Tuberculosis			Number of communicable disease cases treated except typhoid and T.B.	Number of cases treated in isolation hospital	Number of cases of						Surgical operations					Total
						Operative	Non-operative	Pulmonary	Other forms	Total			Typhoid	Cardiac	Rheumatism	Cancer	Gonorrhoea	Veneral disease	Abdominal	Gynaecological, not including curettages	Curettages	Amputations	General	
Arcola, Brock Union	28	11.7	28	3	100.	14	2	1	1	1	5	4	7	4	1	1	42	2	8	32	84			
Assiniboia, Union	81	9.4	83	3	98.8	14	2	1	1	1	5	4	14	1	1	184	17	20	202	426				
Bengough, Municipal	45	17.3	46	1	100.	3	12	1	1	1	5	2	2	4	2	1	30	2	3	55	63			
Bienfait, Community	46	10.9	44	2	95.7	5	13	1	1	1	13	13	2	2	1	3	26	4	6	142	191			
Biggar, St. Margaret's	63	9.3	63	2	96.9	4	8	1	2	3	2	1	17	14	1	1	19	4	4	68	76			
Birch Hills, General	48	16.7	48	1	100.	3	2	1	1	1	2	2	2	5	1	1	19	4	4	30	50			
Broadview, St. Michael's	18	11.2	17	1	94.4	1	1	1	1	1	1	1	8	4	1	1	81	4	5	257	351			
Cabri, Union	96	12.7	91	2	94.8	5	3	1	2	16	32	1	24	10	3	3	32	1	1	211	366			
Canora, H. W. Memorial	183	14.2	184	2	99.5	11	2	14	2	16	32	1	3	3	2	2	33	2	10	109	146			
Central Butte, Victorian	22	12.1	23	2	95.8	1	1	1	1	1	4	4	3	1	3	3	33	1	1	99	99			
Cudworth, St. Michael's	78	14.7	78	1	98.7	1	1	1	1	1	4	4	3	1	3	3	33	1	1	63	77			
Davidson, Union	48	16.7	49	1	100.	1	6	1	1	1	1	1	6	6	2	2	12	3	7	45	55			
Doddsland, Association	48	17.8	48	1	100.	1	1	1	1	1	1	1	4	0	2	2	15	6	7	16	37			
Eatonla, Union	33	12.0	32	1	94.1	1	1	1	1	1	1	1	2	1	3	3	15	2	6	16	25			
Edam, Union	63	18.9	61	1	95.3	6	5	2	1	3	1	1	4	4	2	2	105	19	16	241	388			
Eldose, Community	15	10.8	15	2	100.	1	1	1	1	1	1	1	2	2	2	2	7	2	1	15	26			
Estevan	89	12.9	90	2	98.9	1	1	1	1	1	6	6	12	20	10	4	127	3	16	114	266			
Estevan, St. Joseph's	5	8.2	5	1	100.	1	1	1	1	1	1	1	2	2	1	1	7	1	1	15	26			
Eston, Union	78	8.6	74	1	93.7	10	4	1	1	1	1	1	12	2	1	2	20	1	2	18	41			
Foam Lake	12	18.2	12	1	100.	2	1	1	1	1	1	1	4	1	2	2	82	10	6	114	216			
Frontier, Community	30	20.3	30	1	100.	2	2	1	2	3	12	12	12	4	6	2	20	1	2	18	41			
Gravelbourg, St. Joseph's	43	7.3	42	1	95.5	2	4	1	1	1	1	1	12	4	1	4	82	6	4	114	216			
Gull Lake, Union	51	12.3	49	1	96.1	1	1	1	1	1	1	1	9	6	4	27	2	5	98	132				
Hafford	41	16.1	40	1	95.2	2	2	1	1	1	1	1	3	3	3	3	19	2	4	41	72			
Herbert, Community	64	22.6	66	3	98.5	5	3	1	1	1	8	8	2	2	2	2	30	1	1	33	48			
Humboldt, St. Elizabeth's	248	11.4	249	5	98.4	3	19	2	2	4	4	4	18	39	21	28	206	12	17	352	633			
Indian Head, Union	74	10.7	74	2	97.4	5	3	1	1	7	9	2	11	3	3	12	175	7	7	198	399			
He a la Croix	52	17.9	51	1	98.1	1	1	5	2	7	9	2	3	3	1	1	30	2	2	32	57			
Kamsack, General	19	11.9	19	1	100.	1	1	1	1	1	1	1	2	2	3	3	14	1	1	17	31			
Kamsack, King Edward	61	8.1	64	3	100.	1	12	4	2	6	1	1	10	14	7	7	94	15	4	153	306			
Kelvington, Union	36	11.4	35	1	94.6	1	2	1	1	1	1	1	2	2	2	2	32	2	11	83	137			
Kerrobert, Union	89	16.5	86	1	95.6	5	1	1	1	1	6	1	12	7	6	2	40	7	8	126	185			
Kincaid, Community	82	22.6	83	1	100.	1	2	1	1	1	3	3	3	3	1	1	34	4	2	87	128			
Kindersley, Union	36	4.3	34	4	94.4	4	1	1	1	1	3	3	12	12	1	2	39	10	9	184	242			

	66	14.8	64	97.0	5	2	1	2	1	5	2	2	2	12	2	2	6	26	2	3	3	75	106
Lampman, Union .....	64	14.8	64	97.0	5	2	1	2	1	5	2	2	2	11	7	1	1	64	1	9	1	69	144
Lashburn, Union .....	65	10.2	65	98.5	7	2	3	3	3	3	3	3	3	4	2	1	1	31	2	8	3	89	144
Lestock, St. Joseph's .....	41	14.7	39	95.1	3	3	3	3	3	3	3	3	3	10	2	1	1	111	18	22	4	102	147
Lloydminster, Union .....	191	10.4	188	97.4	11	6	1	3	1	4	1	3	8	52	9	3	1	111	18	22	4	243	398
Macklin, St. Joseph's .....	125	11.0	126	98.4	7	3	1	25	19	1	1	25	19	21	31	6	3	58	4	13	9	194	278
Maple Creek, General .....	141	14.6	137	97.2	20	3	1	1	1	1	1	1	1	10	9	1	3	128	20	21	2	352	523
Meadow Lake .....	104	14.0	103	99.0	1	2	1	4	3	1	1	4	3	17	12	3	6	14	1	5	1	157	178
Melfort, Lady Minto .....	92	8.5	89	96.7	16	2	8	11	2	11	2	3	3	19	7	4	2	192	12	31	11	289	535
Melville .....	48	12.2	45	93.8	16	2	3	3	3	3	3	3	3	5	2	2	2	69	5	11	1	81	167
Milden, Community .....	55	16.6	54	96.4	1	1	1	1	1	1	1	1	1	5	2	1	1	37	1	2	2	94	135
Moose Jaw, General .....	322	10.4	324	100.1	14	5	11	16	72	37	1	72	37	56	37	5	6	365	101	56	8	1,064	1,594
Moose Jaw, Providence .....	169	8.4	161	100.1	8	12	14	28	45	9	9	45	9	47	6	12	5	190	14	31	3	223	461
Moosomin, General .....	26	7.0	25	96.2	6	4	4	6	12	6	6	6	6	12	6	6	130	10	10	11	164	321	
Nipawin, Lady Grey .....	148	24.6	144	94.1	3	5	5	5	5	5	5	5	5	8	7	1	1	38	1	1	5	66	110
Nokomis, Community .....	12	7.2	9	75.1	5	5	5	5	5	5	5	5	5	4	3	3	1	18	1	1	8	68	86
N. Battleford, Notre Dame .....	252	12.7	249	98.1	6	6	6	13	13	13	13	13	13	20	12	23	6	327	32	5	8	421	793
Oxbow, Union .....	46	17.0	46	100.1	6	6	6	6	6	6	6	6	6	10	3	1	1	20	2	6	3	36	67
Ponteix, Gabriel .....	36	12.2	34	94.4	1	1	1	1	1	1	1	1	1	3	2	3	3	36	2	3	2	60	101
Pr. Albert, Holy Family .....	222	7.8	217	98.4	3	24	22	34	55	55	2	41	14	41	25	14	10	396	29	15	16	506	902
Prince Albert, Victoria .....	278	13.1	264	95.4	25	54	3	7	151	64	2	38	18	38	18	8	9	299	21	25	9	358	713
Rabbit Lake, Rose Gill .....	78	15.3	72	92.3	5	3	3	3	3	3	3	3	3	12	6	2	3	61	4	5	6	99	169
Regina, General .....	573	7.4	528	91.5	102	69	54	31	344	266	3	135	21	135	21	484	92	816	330	161	6	2,972	4,285
Regina, Grey Nuns .....	589	10.9	567	94.7	40	46	5	13	43	1	2	113	64	40	73	14	14	745	271	73	4	1,843	2,936
Rosedown, Union .....	107	10.1	104	97.2	9	8	1	1	1	1	1	1	1	20	21	6	2	105	12	14	3	196	330
Rose Valley, Union .....	94	11.9	93	97.9	1	1	1	1	1	1	1	1	1	14	25	2	2	84	3	12	94	192	
Rosthern, St. John's .....	78	18.1	76	97.4	1	14	1	1	1	1	1	1	1	4	4	2	2	56	17	4	89	149	
Rouleau, Community .....	14	10.5	13	92.9	3	44	10	22	119	185	5	101	49	101	49	277	68	717	127	66	31	2,295	3,236
Saskatoon, City .....	437	7.0	419	95.9	40	44	10	12	118	49	7	174	17	174	17	70	151	737	349	49	30	1,075	2,240
Saskatoon, St. Paul's .....	310	6.0	302	96.2	22	21	20	18	118	49	7	174	17	174	17	70	151	737	349	49	30	1,075	2,240
Scott, Municipal .....	17	14.2	16	94.1	1	1	1	1	2	2	2	2	2	2	2	2	2	5	1	43	2	130	200
Shanawson, Union .....	97	11.2	91	93.8	9	7	7	7	3	3	3	3	3	11	10	8	3	115	115	43	2	130	200
Sinaton, W. M. Society .....	73	28.5	72	98.6	1	5	2	2	2	2	2	2	2	7	3	2	1	17	17	15	1	57	90
Swift Current, General .....	181	13.5	180	97.3	8	13	1	2	13	15	1	20	15	20	15	6	4	135	20	11	3	212	381
Tisdale, St. Therese .....	149	9.4	147	96.7	25	7	3	2	15	15	1	25	20	25	20	14	2	164	50	30	16	453	713
Unity, Union .....	87	10.2	86	98.9	9	2	2	2	6	7	1	13	4	13	4	1	1	155	17	9	4	117	309
Vanguard, Union .....	40	17.2	38	95.1	1	4	3	3	3	3	3	3	3	6	2	1	1	9	175	13	29	43	55
Wadena, Union .....	126	10.4	127	99.2	2	27	2	3	2	2	2	2	2	14	6	10	2	175	13	29	8	246	471
Wakaw, Anna Turnbull .....	108	15.1	111	98.2	10	1	3	3	5	5	2	9	6	9	6	3	2	53	35	2	12	101	152
Watrous, Manitou .....	12	4.4	12	100.1	2	1	1	1	1	1	1	1	1	7	6	1	1	240	11	23	4	85	363
Weyburn, General .....	86	11.0	87	98.9	2	1	1	1	2	2	2	2	2	16	11	8	7	61	2	11	1	64	139
Whitewood, Community .....	28	8.5	29	100.1	11	1	1	1	1	1	1	1	1	10	2	2	1	61	2	11	1	64	139
Wilkie, Union .....	98	9.7	97	98.1	11	15	13	13	24	25	1	34	14	16	16	17	10	329	66	41	22	800	1,249
Yorkton, Queen Victoria .....	219	9.3	212	96.4	26	7	13	13	24	25	1	34	14	16	16	17	10	329	66	41	22	800	1,249
Fort Qu'Appelle San. .....	5	0.2	5	100.1	3	3	3	3	18	18	1	3	1	3	1	1	1	4	4	2	2	6,628	6,632
Prince Albert Sanatorium .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saskatoon Sanatorium .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rogina Junior Red Cross .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Red Cross Outposts .....	377	21.3	371	97.4	2	10	.....	.....	.....	.....	.....	.....	.....	42	21	2	.....	75	12	12	10	195	304
	8,437	9.7	8,251	96.6	578	574	2,667	516	3,182	1,226	825	82	1,420	770	1,211	641	241	9,198	1,720	1,114	326	33,162	45,530

## DEPARTMENT OF PUBLIC HEALTH

H. TABLE IV.—NURSING STATISTICS FOR SASKATCHEWAN HOSPITALS, 1938.

Hospitals	Infections developed in hospital			Obstetrical						Number of Deaths				Percentage of deaths from operations to total admissions	Total deaths	
	Medical	Surgical	Obstetrical	Total	Mother	New-born	Stillborn	Premature	From anaesthetics	From communicable disease	From cancer	Within 10 days following surgical operation	Within 48 hours after admission			Percentage of deaths from operations to total admissions
Arcoia, Brock Union	73	50	65	198	1	1	1	1	1	1	1	1	5	1.2	2.5	6
Assiniboia, Union	419	315	216	950	2	1	1	1	1	1	1	4	10	0.9	2.1	27
Beauregard, Municipal	58	250	931	1,239	1	1	1	1	1	1	1	1	1	1.5	1.5	4
Bienfall, Community	163	1,071	464	1,698	1	1	1	1	1	1	1	1	1	1.6	2.6	11
Biggar, St. Margaret's	188	240	93	521	1	1	1	1	1	1	1	1	1	0.9	1.3	9
Birch Hills, General	40	440	73	553	1	1	1	1	1	1	1	1	1	2.0	1.0	3
Broadview, St. Michael's	60	125	35	220	1	1	1	1	1	1	1	1	1	0.9	2.7	6
Cabri, Union	147	1,851	333	2,331	1	1	1	1	1	1	1	1	1	0.9	2.1	10
Canora, H. W. Memorial	283	1,030	739	2,052	2	2	1	6	8	8	2	13	13	0.5	2.5	32
Central Butte, Victorian	33	20	20	73	2	1	1	1	1	1	1	1	1	5.7	1.1	3
Cudworth, St. Michael's	89	400	127	616	2	1	1	1	1	1	1	1	1	2.0	3.6	19
Davidson, Union	87	300	51	438	1	1	1	1	1	1	1	1	1	2.0	1.0	3
Dodsland, Association	65	35	20	120	1	1	1	1	1	1	1	1	1	1.9	1.9	5
Edonia, Union	35	29	6	70	2	2	2	2	1	1	1	1	1	3.6	2.2	6
Edam, Union	39	52	13	104	1	1	1	1	1	1	1	1	1	3.6	3.6	12
Elrose, Community	18	50	50	118	1	1	1	1	1	1	1	1	1	2.0	1.0	3
Estevan	204	16	40	260	1	1	1	1	1	1	1	1	1	1.9	1.9	5
Estevan, St. Joseph's	24	16	40	80	1	1	1	1	1	1	1	1	1	2.2	2.2	16
Etson, Union	257	698	386	1,341	1	1	1	1	1	1	1	1	1	6.6	6.6	4
Foam Lake	12	20	30	62	1	1	1	1	1	1	1	1	1	1.5	1.8	16
Frontier, Community	39	8	8	55	1	1	1	1	1	1	1	1	1	4.9	4.9	7
Gravelbourg, St. Joseph's	257	474	154	885	1	1	1	1	1	1	1	1	1	0.5	3.4	29
Gull Lake, Union	152	321	28	499	2	2	2	2	1	1	1	1	1	3.4	3.4	14
Halford	43	43	43	129	1	1	1	1	1	1	1	1	1	2.0	2.0	5
Herbert, Community	17	55	55	127	1	1	1	1	1	1	1	1	1	2.1	2.5	7
Humboldt, St. Elizabeth's	274	2,839	693	3,806	4	4	4	4	3	3	3	3	7	0.5	1.5	33
Indian Head, Union	307	600	183	1,090	2	3	3	3	1	1	1	1	1	1.0	3.6	25
Ile a la Crosse	20	500	19	539	1	1	1	1	1	1	1	1	1	3.9	3.9	12
Kamsack, General	23	137	19	179	1	1	1	1	1	1	1	1	1	1.3	1.3	2
Kamsack, King Edward	48	1,040	365	1,453	1	1	1	1	1	1	1	1	1	1.6	2.0	15
Kelvington, Union	103	190	3	296	1	1	1	1	1	1	1	1	1	3.5	3.5	11
Kerrobert, Union	139	432	58	629	1	1	1	1	1	1	1	1	1	0.5	3.2	17
Kincaid, Community	75	38	38	151	1	1	1	1	1	1	1	1	1	0.6	0.6	2
Kinderley, Union	106	989	119	1,114	1	1	1	1	1	1	1	1	1	2.3	2.3	19

Lampman, Union	59	600	111	16	...	Yes	...	16	27	77	19	46	47	112	8	82	214	119	21	96	251	298	535	0.7	2.6	2.304
Lashburn, Union	114	562	111	6	...	Yes	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Leacock, St. Joseph's	118	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lloydminster, Union	287	2,044	531	38	...	Yes	...	38	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MacKlin, St. Joseph's	210	931	303	42	...	Yes	...	42	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Maple Creek, General	612	992	77	6	...	Yes	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meadow Lake	150	50	100	10	Yes	Yes	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Melfort, Lady Minto	465	515	178	20	Yes	Yes	...	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Melville	128	...	123	...	...	Yes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Milden, Community	129	...	...	6	...	Yes	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Moose Jaw, General	844	26,502	2,029	1,760	Yes	Yes	...	1,760	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Moose Jaw, Providence	413	3,653	616	509	Yes	Yes	...	509	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Moosomin, General	310	280	75	56	Yes	Yes	...	56	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nipawin, Lady Grey	234	...	72	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nokomis, General	82	850	23	50	...	Yes	...	50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
N. Battleford, Notre Dame	820	3,130	642	32	Yes	Yes	...	32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Oxbow, Union	92	...	24	4	Yes	Yes	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ponkox, Gabriel	108	40	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Prince Albert, Holy Family	811	4,585	570	107	Yes	Yes	...	107	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Prince Albert, Victoria	602	2,135	810	63	Yes	Yes	...	63	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rabbit Lake, Rose Gill	151	389	19	12	...	...	...	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Regina, General	112	25,659	7,492	4,541	Yes	Yes	...	4,541	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Regina, Grey Nuns	2,297	16,325	6,199	759	Yes	Yes	...	759	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rosetown, Union	304	1,401	430	5	...	Yes	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rose Valley, Union	145	...	...	10	...	Yes	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rosthern, St. John's	149	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rouleau, Community	57	...	...	...	...	Yes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Saskatoon, City	1,465	28,756	4,769	677	Yes	Yes	...	677	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Saskatoon, St. Paul's	1,155	15,779	1,550	263	Yes	Yes	...	263	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scott, Municipal	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shaunavon, Union	201	...	...	...	...	Yes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Smeaton, W. M. Society	2	38	...	4	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Swift Current, General	196	2,320	577	24	Yes	Yes	...	24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tisdale, St. Therese	238	3,151	392	37	...	Yes	...	37	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Unity, Union	378	46	...	12	...	Yes	...	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vanguard, Union	39	300	21	8	...	Yes	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wadena, Union	385	2,755	325	10	...	Yes	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wakaw, Anna Turnbull	260	900	52	15	Yes	Yes	...	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Watrous, Manitou	120	164	48	39	Yes	Yes	...	39	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Weyburn, General	339	...	...	30	Yes	Yes	...	30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whitehead, Community	153	...	...	4	...	Yes	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wilkie, Union	226	...	...	...	...	Yes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yorkton, Queen Victoria	304	6,435	1,220	200	Yes	Yes	...	200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fort Qu'Appelle Sanatorium	34	13,620	9,950	567	Yes	Yes	...	567	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Prince Albert Sanatorium	2	9,194	2,231	763	Yes	Yes	...	763	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Saskatoon Sanatorium	158	12,901	6,857	162	Yes	Yes	...	162	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Regina Junior Red Cross	...	...	34	4	Yes	Yes	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Red Cross Outposts	517	181	47	21	...	Yes	...	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	22,627	201,570	53,637	12,561	27	77	19	46	47	112	8	82	214	119	21	96	251	298	535	0.7	2.6	2.304				

## DEPARTMENT OF PUBLIC HEALTH

H. TABLE V.—OPERATING COSTS OF SASKATCHEWAN HOSPITALS, 1938.

Hospitals	Cost per patient per day		Cost per bed		Earnings per bed		Percentage of operating costs paid for						
	\$	Per day	Per year	Per day	Per year	Per day	SALARIES	FOOD AND PROVISIONS	MEDICAL AND SURGICAL SUPPLIES	FUEL, LIGHT, POWER	LAUNDRY	UPKEEP BUILDINGS, GROUNDS, FURNITURE, ETC.	MISCELLANEOUS EXPENSES
Arcola, Brook Union	\$2.45	\$1.58	\$1,043.28	\$2.86	43	19	15	8	1	1	13		
Assiniboia, Union	1.64	1.90	692.96	6.29	38	23	13	15	2	4	5		
Bengough, Municipal	1.67	1.80	757.60	1.80	40	25	11	6	.....	.....	9		
Bienfait, Community	1.89	1.43	934.67	2.56	39	19	17	7	.....	.....	10		
Biggar, St. Margaret's	.95	.53	580.44	1.59	29	26	8	9	1	11	16		
Birch Hills, General	1.60	1.33	974.88	2.67	36	28	6	8	.....	.....	17		
Broadview, St. Michael's	1.77	1.61	592.64	2.89	47	25	7	5	1	8	7		
Cabri, Union	2.00	1.67	1,179.92	3.23	37	22	17	11	.....	.....	6		
Canora, H. W. Memorial	2.16	1.37	668.80	1.83	41	21	11	14	2	8	3		
Central Butte, Victorian	1.75	.50	314.60	.83	38	18	13	10	8	8	5		
Cudworth, St. Michael's	2.36	1.22	441.15	1.21	30	14	7	10	1	17	21		
Davidson, Union	3.12	1.15	449.20	1.23	41	15	10	13	6	10	5		
Dodsland, Association	2.05	.85	525.60	1.44	44	20	9	12	5	4	6		
Edonia, Union	2.01	1.26	586.66	1.61	55	27	4	8	3	3	5		
Edam, Union	2.03	1.58	800.42	2.19	42	25	9	12	3	4	5		
Elrose, Community	2.80	.77	284.28	.78	54	21	2	11	.....	.....	12		
Estevan, General	2.10	1.98	1,121.66	3.07	27	18	16	16	9	15	10		
Estevan, St. Joseph's	3.40	1.02	427.05	1.17	20	18	9	8	1	9	28		
Eston, Union	2.12	1.60	672.89	1.84	45	17	9	9	9	5	6		
Foxon Lake	1.76	1.09	1,164.35	3.19	41	12	.....	7	1	.....	39		
Frontier, Community	2.11	.72	449.23	1.23	32	19	10	7	.....	.....	8		
Gravelbourg, St. Joseph's	2.42	1.16	595.35	1.63	51	17	6	13	1	6	6		
Gull Lake, Union	2.00	1.81	1,497.04	4.10	43	21	9	15	.....	.....	7		
Hafford	3.53	2.00	823.76	3.68	54	11	8	13	.....	.....	11		
Herbert, Community	1.88	1.13	666.99	1.83	40	23	10	10	1	6	7		
Humboldt, St. Elizabeth's	2.57	1.78	653.19	1.79	35	18	6	11	1	24	5		
Indian Head, Union	2.24	1.92	1,125.11	3.03	46	19	11	12	.....	.....	3		
Ile a la Crosse	3.89	1.78	473.81	1.30	25	25	5	14	4	25	2		
Kamsack, General	2.24	1.50	649.70	1.78	34	15	6	9	2	4	30		
Kamsack, King Edward	2.36	2.91	1,401.84	3.84	50	12	20	4	.....	.....	4		
Kelvington, Union	2.27	1.22	607.76	1.67	45	20	11	10	.....	.....	10		
Kerrobert, Union	1.91	.98	555.03	1.52	37	20	5	14	13	3	8		
Kincaid, Community	1.76	1.40	631.29	1.73	41	23	13	8	2	3	10		
Kindersley, Union	2.76	1.91	805.95	2.21	49	15	7	15	1	4	9		
Lampman, Union	1.30	1.33	876.81	2.40	38	24	11	11	.....	.....	5		
Lashburn, Union	2.02	2.18	1,039.62	2.85	52	20	11	6	1	4	6		
Leacock, St. Joseph's	1.35	.68	451.96	1.24	57	23	12	6	4	15	33		
Lloydminster, Union	1.73	1.74	778.03	2.13	34	20	8	9	9	6	5		

Macklin, St. Joseph's .....	1.17	322.79	.88	777.78	2.13	42	23	5	11	3	9	7
Maple Creek, General .....	2.28	604.83	1.66	915.65	2.51	37	23	15	8	5	6	6
Meadow Lake .....	1.05	390.86	1.07	646.25	1.75	37	25	9	6	....	3	20
Melfort, Lady Minto .....	2.41	508.51	1.39	654.95	1.79	44	19	11	15	1	5	5
Melville .....	2.35	264.02	.72	356.31	.98	44	21	10	11	1	9	4
Melville, Community .....	1.95	579.77	1.59	1,068.80	2.76	43	24	13	14	....	2	4
Milden, Community .....	2.19	521.11	1.42	863.99	2.36	30	29	9	14	6	7	5
Moose Jaw, General .....	1.88	454.73	1.25	989.91	2.71	33	26	11	18	2	12	8
Moose Jaw, Providence .....	2.51	508.30	1.59	846.27	2.32	45	19	13	10	2	7	4
Moosemin, General .....	1.24	400.92	1.10	609.77	1.67	58	14	12	5	....	5	6
Nipawin, Lady Grey .....	3.01	296.41	.81	359.43	.98	43	18	11	9	....	9	10
Nokomis, Community .....	1.77	484.95	1.32	831.81	2.28	40	25	19	6	1	12	6
North Battleford, Notre Dame .....	2.66	589.52	1.62	849.10	2.33	36	19	12	8	10	5	10
Oxbow, Union .....	1.39	142.29	.39	293.95	.81	20	30	7	9	1	22	11
Ponleix, Gabriel .....	1.98	551.35	1.51	810.92	2.22	27	28	10	10	3	16	6
Prince Albert, Holy Family .....	2.20	697.62	1.91	1,011.57	2.77	35	24	13	10	4	3	11
Prince Albert, Victoria .....	1.29	446.48	1.22	727.41	1.99	42	24	13	7	....	1	9
Rabbit Lake, Rose Gill .....	3.45	922.27	2.53	1,070.17	2.93	48	16	11	9	4	7	5
Regina, General .....	2.52	725.37	1.99	945.99	2.59	45	17	9	10	2	9	8
Regina, Grey Nuns .....	2.21	695.03	1.99	1,021.43	2.80	42	22	7	15	5	4	5
Rosetown, Union .....	1.28	543.70	1.49	1,085.86	2.97	42	26	18	7	1	1	5
Rose Valley, Union .....	2.04	357.17	1.38	428.70	1.66	33	16	8	9	1	5	2
Rosthern, St. John's .....	2.49	218.00	.60	276.88	.76	37	44	6	9	5	7	2
Rouleau, Community .....	3.13	942.71	2.58	1,250.66	3.43	37	20	17	10	4	8	4
Saskatoon, City .....	2.54	695.21	1.90	1,242.46	3.40	46	22	10	13	1	4	4
Saskatoon, St. Paul's .....	2.07	104.55	.43	135.02	.56	52	23	10	7	....	4	4
Scott, Municipal .....	2.56	813.61	2.23	1,139.84	3.12	32	26	12	12	3	3	12
Shanawana, Union .....	1.96	511.98	1.40	396.81	1.09	61	17	9	1	1	6	2
Shannon, W. M. Society .....	2.58	648.35	1.78	896.38	2.46	46	15	9	12	7	8	3
Swift Current, General .....	1.33	593.07	1.02	902.68	2.47	34	17	14	6	1	22	6
Tisdale, St. Theresa .....	1.64	514.30	1.41	1,114.71	3.05	37	21	13	14	1	5	8
Unity, Union .....	2.46	449.67	1.23	790.00	2.16	42	13	6	20	10	2	7
Vanguard, Union .....	1.41	682.14	1.87	839.63	2.30	50	16	10	11	3	6	4
Wadena, Union .....	1.25	324.32	.89	699.44	1.92	41	22	10	12	....	12	3
Wakaw, Anna Turnbull .....	3.44	960.69	2.63	1,057.15	2.90	33	13	10	9	3	8	24
Watrous, Manitoba .....	2.25	408.12	1.12	546.60	1.50	55	15	7	13	1	7	2
Weyburn, General .....	2.14	699.53	1.91	992.84	2.72	50	19	10	10	....	5	6
Whitewood, Community .....	1.91	601.11	1.81	1,109.50	3.04	42	20	16	6	3	4	9
Wilkie, Union .....	2.44	545.59	1.49	743.93	2.04	28	21	14	18	3	10	6
Yorkton, Queen Victoria .....	2.40	899.89	2.47	948.19	2.60	35	23	8	12	2	10	10
Sanatoria .....												
	\$2.37	\$667.52	\$1.83	\$899.69	\$2.46	39	21	10	11	3	9	7



## DEPARTMENT OF PUBLIC HEALTH

H. TABLE VI.—EXPENDITURE OF SASKATCHEWAN HOSPITALS, 1938.

Hospitals	Operating							Maintenance					Total maintenance expenditure
	Salaries	Groceries, bread, meat, milk, vegetables	Medical and surgical supplies	Fuel, light, power, water, ice	Laundry	Freight, express, cartage	Sundry	Total operating expenditures	Building and grounds upkeep	Furniture and equipment upkeep	Dry goods upkeep	Sundry	
Arcola, Brook Union .....	\$2,886.70	\$1,412.04	\$1,105.70	\$ 571.01	\$ 55.00	\$ .....	\$ 61.37	\$ 6,094.82	\$ 7.31	\$ 107.25	\$ .....	\$ .....	\$ 114.59
Assinibola, Union .....	4,278.78	2,864.25	1,540.55	1,916.61	269.63	.....	.....	10,969.82	161.23	289.37	.....	17.25	468.95
Bengough, Municipal .....	1,652.44	824.85	368.65	214.42	.....	.....	.....	3,060.36	.....	.....	.....	.....	.....
Bienfait, Community .....	2,591.50	1,280.92	1,117.99	508.06	66.35	.....	135.59	5,552.97	288.95	47.43	188.76	.....	525.14
Biggar, St. Margaret's .....	679.62	1,809.28	554.43	639.08	.....	60.85	123.04	3,923.65	110.01	91.77	391.86	.....	761.62
Birch Hills, General .....	1,325.29	1,508.82	306.46	427.00	.....	281.37	90.35	3,939.29	253.10	.....	.....	.....	253.10
Broadview, St. Michael's .....	1,089.75	736.07	220.92	140.59	33.58	.....	31.30	2,242.11	5.00	39.96	194.00	.....	238.96
Cabri, Union .....	4,573.08	3,199.79	2,447.26	1,585.32	55.76	196.54	71.00	12,131.66	152.88	640.88	245.60	.....	1,039.16
Canora, H. W. Memorial .....	9,994.45	5,355.73	2,695.48	3,444.38	413.93	191.03	10.00	22,015.10	1,510.20	234.60	.....	292.50	2,037.30
Central Butte, Victorian .....	1,042.05	549.46	375.62	297.35	239.50	7.31	.....	2,608.48	10.00	93.59	85.49	.....	248.24
Cudworth, St. Michael's .....	3,471.60	1,664.72	855.94	1,137.04	75.45	.....	256.75	7,461.50	642.68	678.70	557.91	.....	1,992.77
Davidson, Union .....	2,897.35	1,067.07	732.35	907.36	444.46	.....	3.00	5,991.59	475.76	204.81	.....	.....	680.57
Dodsland, Association .....	2,942.45	1,581.14	692.22	921.73	427.22	.....	.....	6,564.76	5.08	315.85	16.44	.....	337.37
Eatonia, Union .....	3,094.37	1,700.97	263.39	510.91	276.00	.....	15.99	5,479.64	82.78	116.34	24.93	.....	224.95
Edam, Community .....	3,094.30	2,188.45	779.24	1,038.78	.....	.....	.....	7,302.76	44.61	200.22	96.05	.....	310.91
Elrosa, Community .....	1,514.71	597.76	44.26	303.22	.....	35.60	152.51	2,648.06	6.16	.....	.....	.....	6.16
Estevan .....	3,735.62	2,792.35	2,447.46	752.79	1,435.32	59.61	743.94	11,967.19	29.37	16.18	169.64	1,992.94	2,208.13
Estevan, St. Joseph's .....	272.55	242.90	222.59	116.44	18.98	61.79	.....	935.25	78.15	.....	.....	41.70	119.85
Eston, Union .....	7,803.89	3,410.26	1,767.07	1,819.46	1,709.69	246.70	325.56	17,151.63	432.13	285.73	235.92	55.64	1,009.42
Foam Lake .....	410.00	132.25	.....	75.04	9.39	78.60	20.00	725.19	.....	.....	.....	.....	.....
Frontier, Community .....	975.00	595.60	333.60	210.88	.....	41.20	142.35	2,298.63	427.44	.....	203.00	135.00	765.44
Gravelbourg, St. Joseph's .....	9,820.97	4,110.91	1,462.69	3,182.28	358.80	201.76	466.61	19,603.22	234.68	502.22	560.01	54.82	1,391.71
Gull Lake, Union .....	3,293.98	1,967.67	837.81	1,385.11	.....	.....	125.94	7,580.51	119.57	193.21	94.22	14.06	421.06
Harford .....	3,333.61	1,259.35	961.41	1,459.53	.....	87.01	445.43	7,556.34	119.45	361.52	.....	328.03	809.00
Herbert, Community .....	1,947.62	1,241.83	556.49	534.84	.....	.....	92.65	4,353.43	245.76	44.69	31.64	.....	322.09
Humboldt, St. Elizabeth's .....	16,975.04	8,606.29	2,707.75	5,383.75	265.70	.....	409.72	34,348.25	6,002.31	2,335.68	2,373.69	590.28	11,501.99
Indian Head, Union .....	6,826.50	2,892.54	1,667.56	1,836.46	.....	78.80	.....	13,301.86	318.99	276.78	797.48	.....	1,393.25
Ile a la Crosse .....	4,105.00	4,039.00	840.70	2,297.25	675.03	.....	310.02	12,266.97	.....	3,632.60	236.50	141.50	4,010.60
Kamsack, General .....	864.61	389.84	149.17	227.85	37.00	4.14	717.50	2,390.11	.....	49.10	37.58	17.00	103.68
Kamsack, King Edward .....	1,835.85	1,327.16	2,876.64	549.43	.....	226.50	566.81	11,197.79	.....	509.81	156.49	.....	606.30
Kelvington, Union .....	2,350.80	1,327.16	764.77	675.99	.....	58.52	68.24	5,245.48	147.41	87.22	.....	.....	234.63
Kerrobert, Union .....	4,161.52	2,499.14	668.75	1,751.54	1,590.00	224.13	60.60	10,955.68	18.70	291.84	25.92	.....	336.46
Kincaid, Community .....	2,431.15	1,409.02	798.59	516.42	137.23	.....	432.00	5,724.41	.....	94.92	69.02	.....	163.94
Kindersley, Union .....	8,542.07	3,116.85	1,587.60	3,195.37	157.89	164.93	629.66	17,389.88	186.11	531.69	148.26	.....	866.06
Lampman, Union .....	2,528.23	1,747.83	785.29	823.60	.....	33.87	26.65	5,955.47	483.76	156.92	.....	.....	823.51
Lashburn, Union .....	7,756.35	3,592.91	1,992.56	984.32	179.33	15.00	259.00	14,770.47	101.66	386.74	191.69	.....	600.09
Lestock, St. Joseph's .....	222.10	670.60	367.55	182.04	109.96	75.47	.....	1,627.72	.....	391.47	50.88	.....	442.35
Lloydminster, Union .....	11,601.80	11,210.19	3,207.51	3,292.06	3,025.67	.....	.....	32,937.23	1,005.51	458.03	786.43	.....	2,252.97

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Macdon, St. Joseph's ..	5,766.00	3,082.58	750.81	1,451.71	382.72	294.41	11,659.23	256.66	380.61	181.40	1,169.09
Maple Crook, General ..	7,000.85	4,895.82	3,127.31	1,640.12	4,200.00	86.35	18,182.52	271.81	336.23	82.33	1,281.30
Meadow Lake ..	3,549.63	2,222.04	816.96	546.66	36.86	1,432.95	8,405.10	130.06	101.47	231.53	1,108.74
Melfort, Lady Minto ..	9,559.72	4,649.52	2,810.54	3,675.99	100.00	201.82	20,797.59	574.45	122.63	.....	713.53
Melville ..	1,704.55	764.00	730.66	838.81	121.27	27.31	6,968.32	280.37	.....	.....	105.73
Mildon, Community ..	2,308.94	1,378.51	736.66	837.98	.....	.....	5,256.12	.....	.....	.....	105.73
Moose Jaw, General ..	29,361.79	30,797.59	9,442.43	14,380.74	6,000.00	407.41	91,162.52	3,633.41	1,658.80	1,397.35	7,139.60
Moose Jaw, Providence ..	9,797.10	11,494.28	4,973.85	8,141.43	839.36	1,237.82	36,891.25	3,098.08	685.01	1,096.15	5,123.05
Moosomin, General ..	4,085.50	1,789.66	1,277.04	987.38	229.70	27.71	8,430.49	493.57	.....	.....	623.50
Nipawin, Lady Grey ..	4,292.65	1,056.86	918.96	288.93	.....	28.90	6,711.52	.....	.....	.....	378.12
Nokomis, Community ..	1,243.25	527.93	338.06	289.72	.....	.....	2,588.66	.....	.....	.....	258.17
N. Battleford, Notre Dame	15,000.76	9,679.19	3,625.42	2,280.70	430.33	511.76	29,528.16	2,699.33	1,109.10	221.21	4,718.87
Oxbow, Union ..	2,110.10	1,131.96	679.97	475.14	601.95	301.57	5,431.74	58.16	.....	.....	313.13
Ponleix, Gabriel ..	570.20	1,284.37	274.66	397.06	45.67	38.49	2,935.35	420.32	.....	.....	948.43
Pr. Albert, Holy Family	18,302.96	20,872.78	7,415.08	7,314.25	2,196.06	656.49	57,852.52	126.27	.....	.....	12,373.29
Prince Albert, Victoria ..	16,509.68	14,438.40	7,482.94	5,945.65	2,560.10	4,071.31	50,990.08	1,879.68	.....	.....	2,065.86
Rabbit Lake, Rose Gill ..	2,727.95	1,515.87	793.04	419.92	.....	35.74	5,679.56	.....	.....	.....	36.53
Regina, General ..	137,154.55	56,454.28	39,092.77	31,275.11	14,908.01	2,431.98	281,376.70	9,485.07	8,942.22	3,994.43	25,335.26
Regina, Grey Nuns ..	72,397.72	30,378.64	16,156.42	18,911.25	3,195.05	435.63	143,566.14	441.82	4,488.09	2,170.35	16,797.60
Roseau, Union ..	1,255.90	7,154.94	2,424.04	5,043.09	1,451.46	.....	27,329.43	785.59	295.59	.....	1,841.33
Rose Valley, Union ..	2,911.62	2,147.55	1,478.18	540.36	46.06	.....	7,149.75	61.13	.....	.....	108.56
Rosthern, St. John's ..	2,339.19	1,123.97	610.96	676.94	39.12	25.98	4,814.28	194.08	.....	.....	363.40
Rouleau, Community ..	950.00	.....	140.00	190.00	100.00	6.50	1,986.50	.....	.....	.....	144.00
Saskatoon, City ..	88,872.44	59,392.08	49,468.96	27,523.57	12,483.12	3,159.25	240,949.42	4,102.38	2,593.06	2,439.42	24,505.97
Saskatoon, St. Paul's ..	59,537.33	33,598.30	15,150.62	19,487.53	544.07	652.51	130,249.82	719.69	1,468.42	1,190.85	5,695.82
Scott, Muntepal ..	964.85	476.92	199.97	156.16	.....	58.43	1,856.33	61.05	.....	.....	92.89
Shamavon, Union ..	5,896.35	6,374.26	2,832.26	2,945.35	696.83	1,257.05	20,092.10	437.89	201.37	.....	808.91
Smeaton, W. M. Society	2,830.23	778.08	396.45	180.34	21.00	21.85	4,239.13	155.09	45.92	91.07	297.48
Swift Current, General ..	13,267.54	5,252.50	3,273.80	4,186.20	2,625.60	38.49	28,605.64	2,212.06	.....	603.06	3,038.24
Tisdale, St. Therese ..	10,017.00	5,151.87	4,163.61	1,833.93	322.81	310.50	21,753.27	3,557.59	1,669.45	129.30	6,740.84
Unity, Union ..	4,506.45	3,236.86	2,071.76	2,080.19	112.13	180.00	12,287.39	169.40	200.95	51.25	923.14
Vanquard, Union ..	808.30	808.30	385.38	1,260.98	112.95	.....	5,603.60	55.66	6.28	.....	162.25
Wadena, Union ..	3,555.95	2,102.42	2,328.71	2,328.71	599.67	256.65	18,725.10	502.29	72.79	60.97	1,287.47
Wakaw, Anna Turnbull ..	2,906.00	1,786.51	830.70	966.63	.....	89.67	6,579.54	190.95	700.00	54.73	945.68
Watrous, Manitoba ..	3,745.42	1,542.02	1,153.54	1,046.77	290.65	676.37	8,454.77	328.43	105.80	.....	909.90
Weyburn, General ..	11,452.75	3,298.44	1,477.20	2,850.96	166.98	64.56	19,010.89	367.70	593.67	14.93	1,697.52
Whitehead, Community ..	3,385.90	1,322.91	705.18	699.88	.....	6.71	6,346.81	252.87	.....	.....	336.06
Wilkie, Union ..	3,737.21	1,942.36	1,625.40	617.05	323.60	277.89	8,589.26	80.99	102.36	.....	375.13
Yorkton, Queen Victoria	12,233.66	11,692.32	7,842.66	9,818.99	1,556.96	65.75	43,544.19	1,466.01	1,177.04	2,718.90	5,483.08
Sanatoria ..	212,717.58	149,647.95	55,492.69	80,288.21	14,390.85	3,411.00	615,347.68	11,756.22	30,748.96	25,000.00	68,505.18
	\$960,567.46	\$587,349.94	\$296,200.12	\$310,771.71	\$81,861.74	\$9,965.47	\$2,376,204.89	\$50,188.18	\$69,500.83	\$48,058.82	\$242,475.30

## DEPARTMENT OF PUBLIC HEALTH

H. TABLE VI.—EXPENDITURE OF SASKATCHEWAN HOSPITALS, 1938—Continued.

Hospitals	Administration						Total ad- ministration expenditure	Total operating maintenance and administration expenditure	Fixed charges (mortgage and debenture repayments)	Capital expenditure
	Salaries	Office expenses	Telegraph and Telephone	Insurance	Sundry	Total ad- ministration expenditure				
Arcola, Brock Union .....	\$ 360.00	\$ 18.71	\$ 176.74	\$ 138.00	\$ 580.21	\$ 1,273.66	\$ 7,483.07	\$ 1,255.18	\$ 89.25	
Assiniboia, Union .....	475.50	.....	299.23	129.30	181.37	1,038.40	12,473.27	4,288.01	.....	
Bengough, Municipal .....	.....	.....	27.00	79.50	201.32	307.82	3,378.18	.....	.....	
Bienfait, Community .....	144.00	100.80	173.66	76.40	200.99	695.85	6,773.96	.....	.....	
Biggar, St. Margaret's .....	1,328.00	50.00	49.19	.....	870.00	2,297.19	6,982.46	.....	2,000.00	
Birch Hills, General .....	600.00	380.00	82.41	.....	100.34	1,162.75	5,325.14	.....	102.75	
Broadview, St. Michael's .....	290.28	57.84	46.19	12.75	74.06	481.12	2,962.19	76.85	.....	
Cabri, Union .....	805.40	65.94	237.59	173.62	186.08	1,468.63	14,839.45	3,180.38	.....	
Canora, H. W. Memorial .....	188.90	301.80	129.08	198.00	148.79	966.57	25,018.97	.....	486.30	
Central Butte, Victorian .....	90.00	.....	46.73	10.00	5.65	152.38	3,007.10	.....	79.00	
Cudworth, St. Michael's .....	.....	196.30	86.32	378.00	1,532.34	2,192.96	11,647.23	.....	540.00	
Davidson, Union .....	135.00	5.00	82.42	174.40	96.96	493.78	7,165.94	.....	.....	
Dodsland, Association .....	450.00	6.93	.....	257.50	166.18	880.66	7,782.79	.....	.....	
Eatonla, Union .....	496.40	.....	63.38	64.33	86.39	710.50	6,414.19	.....	356.50	
Edam, Union .....	619.50	101.71	.....	190.50	78.28	989.99	8,433.66	.....	.....	
Elrose, Community .....	.....	.....	.....	122.38	28.24	150.62	2,804.84	.....	.....	
Estevan .....	300.00	239.75	.....	.....	463.76	1,003.51	15,178.83	.....	.....	
Estevan, St. Joseph's .....	.....	.....	33.10	7.88	289.67	330.65	1,385.75	.....	.....	
Eston, Union .....	1,032.00	241.56	.....	373.24	.....	1,646.80	19,807.85	.....	.....	
Foam Lake .....	30.00	97.76	35.97	137.50	45.69	346.02	1,071.21	.....	2,941.95	
Frontier, Community .....	21.00	24.13	28.10	5.00	.....	78.23	3,142.30	.....	1,500.00	
Gravelbourg, St. Joseph's .....	2,900.00	292.87	.....	.....	447.79	3,640.66	24,635.50	674.20	.....	
Gull Lake, Union .....	715.34	83.23	110.53	194.90	119.94	1,223.64	9,325.21	7,724.99	1,376.95	
Hafford .....	3,003.48	284.92	.....	.....	.....	3,288.40	11,653.74	3,263.92	669.84	
Herbert, Community .....	240.00	40.60	72.57	83.90	270.34	707.51	5,383.03	.....	.....	
Rumbold, St. Elizabeth's .....	.....	686.36	157.87	722.16	659.98	2,236.37	48,086.61	6,370.16	100.00	
Indian Head Union .....	335.40	.....	102.52	162.64	64.81	725.47	15,420.58	.....	.....	
Ile a la Crosse .....	.....	.....	.....	.....	7.74	42.69	2,536.48	.....	.....	
Kamsack, General .....	.....	15.82	19.13	.....	.....	2,988.45	14,352.54	.....	.....	
Kamsack, King Edward .....	2,292.39	256.26	192.72	246.08	.....	2,988.45	14,352.54	.....	.....	
Kelvington, Union .....	680.94	51.12	85.73	293.00	158.69	1,199.48	6,879.59	1,186.80	.....	
Kerrobert, Union .....	486.00	81.45	235.51	334.13	92.01	1,223.10	12,515.24	.....	.....	
Kincaid, Community .....	100.00	25.15	58.94	39.60	41.76	265.45	6,153.80	.....	137.29	
Kinderley, Union .....	1,603.80	306.67	104.56	346.95	255.42	2,617.30	20,873.24	.....	1,600.00	
Lampman, Union .....	199.50	129.11	45.38	89.98	49.96	514.53	7,293.51	.....	714.16	
Lastburn, Union .....	1,333.50	145.21	123.86	226.02	216.31	2,044.90	17,195.46	.....	19.84	
Lestock, St. Joseph's .....	.....	85.00	102.63	34.00	667.50	889.13	2,959.20	400.00	2,193.45	
Lloydminster, Union .....	1,695.20	225.26	724.90	392.29	475.68	3,473.33	38,663.53	.....	2,599.61	

Macklin, St. Joseph's .....	171.93	346.40	80.43	728.98	13,557.30	9,348.00	1,100.00
Maple Creek, General .....	235.23	112.35	352.29	1,765.25	21,169.10	.....	.....
Meadow Lake .....	195.74	19.50	137.88	353.12	8,989.75	.....	450.34
Melfort, Lady Minto .....	545.33	118.80	236.69	2,563.36	21,409.60	2,104.72	.....
Melville .....	86.59	.....	82.95	238.72	7,926.58	.....	.....
Milden, Community .....	99.14	78.33	62.33	435.89	5,797.74	180.60	.....
Moose Jaw, General .....	841.42	1,082.67	201.32	5,990.94	104,223.06	.....	.....
Moose Jaw, Providence .....	288.05	234.70	1,001.18	2,549.68	44,563.98	8,918.75	.....
Moosomin, General .....	77.32	165.30	603.75	9,657.74	.....	.....	.....
Nipawin, Lady Grey .....	54.46	211.90	68.41	537.77	7,617.41	948.15	.....
Nokomis, Community .....	20.00	43.00	6.32	117.28	2,964.11	.....	.....
North Battleford, Notre Dame .....	479.05	762.85	68.14	4,063.69	38,310.72	387.50	.....
Oxbow, Union .....	105.12	45.19	150.32	150.32	5,895.19	178.06	.....
Poneto, Gabriel .....	20.99	.....	15.00	384.90	4,368.68	.....	.....
Prince Albert, Holy Family .....	752.35	767.95	465.20	4,206.04	74,331.85	.....	.....
Prince Albert, Victoria .....	840.32	633.20	525.01	6,929.10	59,994.04	.....	1,258.01
Rabbit Lake, Rose Gill .....	46.79	159.25	102.41	534.64	6,250.73	.....	1,094.30
Regina, General .....	4,585.41	593.04	6,284.52	41,862.41	346,774.37	83,937.85	.....
Regina, Grey Nuns .....	1,933.19	3,528.81	4,419.31	21,009.13	181,542.87	3,107.00	.....
Rosetown, Union .....	457.53	540.08	422.32	3,995.66	32,956.42	.....	.....
Rose Valley, Union .....	262.08	39.25	39.22	897.54	8,155.85	1,435.00	.....
Rosthern, St. John's .....	55.07	187.50	1,673.60	1,965.74	7,143.42	1,500.00	.....
Rouleau, Community .....	49.53	.....	49.50	49.50	2,186.00	.....	.....
Saskatoon, City .....	4,201.57	2,082.97	27,666.60	27,666.60	293,181.99	61,671.14	.....
Saskatoon, St. Paul's .....	855.67	917.38	795.00	14,310.58	150,166.32	45,845.36	.....
Scott, Municipal .....	126.20	.....	141.77	141.77	2,990.99	.....	.....
Shamavon, Union .....	585.30	169.53	1,031.29	3,507.28	24,408.29	.....	.....
Smeaton, W. M. Society .....	48.11	.....	23.13	71.24	4,607.85	.....	.....
Swift Current, General .....	441.31	151.50	125.00	4,015.25	35,859.13	.....	35,659.13
Tisdale, St. Therese .....	336.34	338.00	764.35	1,782.36	30,346.47	.....	3,420.50
Unity, Union .....	43.09	260.85	351.62	2,168.60	15,429.13	8,188.35	.....
Vanguard, Union .....	11.40	78.66	40.00	529.51	6,295.36	.....	.....
Wadena, Union .....	294.18	192.66	88.01	1,835.88	21,828.45	.....	.....
Wakaw, Anna Turnbull .....	58.81	98.00	582.81	582.81	8,108.03	868.90	.....
Watrous, Manitou .....	182.30	255.25	1,665.59	2,103.64	11,528.31	.....	.....
Weyburn, General .....	361.19	143.00	1,484.19	1,484.19	22,192.60	5,651.40	.....
Whitewood, Community .....	34.33	52.00	41.40	312.47	6,995.34	975.00	225.00
Wilkie, Union .....	404.75	311.00	103.45	952.25	9,916.64	1,250.43	.....
Yorkton, Queen Victoria .....	2,307.25	635.93	1,125.38	5,524.01	54,551.88	.....	.....
Sanatoria .....	18,621.35	4,621.99	41,923.32	78,467.54	662,320.40	.....	.....
<b>Total</b> .....	<b>\$136,151.49</b>	<b>\$92,601.93</b>	<b>\$25,472.41</b>	<b>\$292,934.89</b>	<b>\$2,811,615.08</b>	<b>\$264,827.20</b>	<b>\$61,946.30</b>

H. TABLE VII.—EARNINGS OF SASKATCHEWAN HOSPITALS, 1938.

Hospitals	Patients' fees charged	Grants from municipalities in which hospital is situated	Grants from other municipalities	Relief grants	Government of Saskatchewan statutory grants	Donations and miscellaneous receipts	Total earnings
	\$	\$	\$	\$	\$	\$	\$
Arvola, Brook Union	6,362.03	454.88	3,166.57	1,807.25	1,527.00	184.30	13,562.63
Assinibola, Union	29,444.57	593.90	2,561.15	4,884.25	3,804.00	75.50	41,903.37
Bengough, Municipal	4,229.40			1,314.25	1,007.00	25.30	6,575.95
Blenfuit, Community	4,566.71			1,724.25	1,796.00	4,123.78	12,130.74
Biggar, St. Margaret's	13,459.35	320.25	75.75	3,318.00	3,687.00	35.51	26,895.86
Birch Hills, General	8,734.67			318.00	1,671.00	10,723.67	19,723.67
Broadview, St. Michael's	3,898.86			182.50	835.00	416.00	5,326.36
Cabri, Union	16,532.79	315.65	2,662.22	4,622.00	3,660.00	525.34	28,318.00
Canora, H. W. Memorial	22,655.45	406.50			5,782.50	4,595.55	33,440.00
Central Butte, Victorian	2,424.36				859.50		4,104.36
Cudworth, St. Michael's	5,967.28	200.00		1,120.50	2,465.00	714.01	11,469.79
Davidson, Union	5,024.90			2,123.50	1,148.50	1,70	7,836.35
Doddsland, Association	8,563.55			1,461.25	1,896.00	739.57	12,140.12
Eatonia, Union	4,406.15			1,941.00	1,596.00	203.80	8,213.30
Edam, Union	7,475.39			2,006.75	2,066.00	533.86	12,066.25
Elrose, Community	1,079.56	360.00		542.25	501.00		2,832.81
Estevan	15,317.65			4,820.25	3,617.00		22,554.90
Estevan, St. Joseph's	1,182.57			207.00	204.00		1,593.57
Eston, Union	10,971.06			4,926.00	4,675.50	2,305.86	22,878.42
Foam Lake	1,427.50	300.00	200.00		304.00	902.85	3,134.45
Frontier, Community	2,870.85			1,047.00	745.00	727.92	5,390.77
Gravelbourg, St. Joseph's	22,197.48			6,073.00	5,084.00	459.96	34,114.44
Gull Lake, Union	12,247.50	378.61	2,885.31	2,824.50	2,304.50	318.37	26,958.49
Hafford	14,432.11			1,636.00	1,648.50	3,701.21	21,417.82
Herbert, Community	5,309.12			1,923.25	1,428.50	10.00	8,670.87
Humboldt, St. Elizabeth's	30,414.99	600.00	500.00	4,783.00	9,342.00	2,696.33	48,326.32
Indian Head, Union	18,120.75	450.00	1,050.00	1,489.50	3,448.50	193.65	24,752.40
Ile a la Crosse	8,764.50				2,092.50	988.30	11,845.30
Kamsack, General	2,429.31				566.00		2,995.31
Kamsack, King Edward	16,485.31				3,140.50		19,625.81
Kelvington, Union	7,287.70	23.54	94.19		1,471.00	240.00	9,116.43
Kerrobert, Union	11,915.34			3,670.75	3,269.00	570.93	19,426.02
Kincaid, Community	3,698.95			2,128.75	1,746.50	1.29	5,575.49
Kindersley, Union	15,218.19			4,215.00	3,779.00	566.26	21,778.45
Lampman, Union	6,439.50			3,621.50	2,807.00	284.16	13,152.16
Lashburn, Union	17,029.15			1,518.00	4,324.50		22,871.65
Lestock, St. Joseph's	3,173.59			770.50	1,092.50	886.88	5,423.47
Loyminster, Union	37,218.50			991.50	4,574.00	4,675.80	47,459.80
Macklin, St. Joseph's	15,461.85			5,683.25	5,728.23	5,728.23	32,666.83
Maple Creek, General	20,750.99			6,162.50	4,635.00	500.30	32,047.89
Meadow Lake	9,362.35				4,262.50	1,100.79	14,725.64
Melfort, Lady Minto	26,405.31				4,999.00		31,404.31

Melville .....	9,002.37	.....	.....	.....	1,086.00	.....	542.70	.....	10,689.37
Milden, Community .....	6,168.54	.....	.....	.....	1,866.75	.....	.....	.....	10,087.99
Moore Jaw, General .....	115,738.56	.....	.....	.....	13,285.25	.....	.....	.....	172,618.11
Moose Jaw, Providence .....	64,558.63	.....	.....	.....	7,507.00	.....	13,071.64	.....	97,011.27
Moosomin, General .....	11,421.27	.....	.....	.....	1,672.25	.....	463.05	.....	16,079.07
Nipawin, Lady Grey .....	8,485.96	.....	.....	.....	.....	.....	23.66	.....	11,584.32
Nokomis, Community .....	2,338.65	.....	.....	.....	.....	.....	312.17	.....	3,584.32
North Battleford, Notre Dame .....	48,802.35	.....	.....	.....	5,421.25	.....	676.74	.....	65,715.34
Oxbow, Union .....	4,306.96	.....	.....	.....	1,506.00	.....	879.92	.....	8,818.48
Ponteix, Gabriel .....	4,500.06	.....	.....	.....	4,475.00	.....	.....	.....	8,491.04
Prince Albert, Holy Family .....	74,205.64	.....	.....	.....	1,906.00	.....	12,000.00	.....	109,471.14
Prince Albert, Victoria .....	70,430.54	.....	.....	.....	2,620.00	.....	278.64	.....	86,995.18
Rabbit Lake, Rose Gill .....	5,626.20	.....	.....	.....	1,917.50	.....	195.59	.....	10,183.79
Regina, General .....	343,280.85	.....	.....	.....	8,328.00	.....	509.97	.....	402,381.92
Regina, Grey Nuns .....	176,928.85	.....	.....	.....	19,122.50	.....	4,444.63	.....	236,485.38
Rosetown, Union .....	33,196.24	.....	.....	.....	7,338.50	.....	15.12	.....	48,067.36
Rose Valley, Union .....	19,406.47	.....	.....	.....	2,688.75	.....	4.71	.....	16,287.93
Routhorn, St. John's .....	4,369.06	.....	.....	.....	1,885.00	.....	117.72	.....	8,571.08
Rouleau, Community .....	1,712.75	.....	.....	.....	567.50	.....	.....	.....	2,768.75
Saskatoon, City .....	350,352.58	.....	.....	.....	21,787.75	.....	46,813.50	.....	388,953.83
Saskatoon, St. Paul's .....	212,906.96	.....	.....	.....	21,036.75	.....	29,530.00	.....	268,371.67
Scott, Municipal .....	1,436.58	.....	.....	.....	156.25	.....	.....	.....	2,700.33
Shaunavon, Union .....	22,551.05	.....	.....	.....	6,355.75	.....	525.00	.....	34,195.30
Smeaton, W. M. Society .....	2,397.75	.....	.....	.....	6,726.00	.....	1,173.50	.....	3,571.25
Swift Current, General .....	35,498.33	.....	.....	.....	.....	.....	175.67	.....	49,301.00
Tisdale, St. Therese .....	37,080.85	.....	.....	.....	406.00	.....	938.55	.....	46,036.90
Unity, Union .....	14,494.26	.....	.....	.....	6,573.73	.....	1,558.42	.....	33,441.28
Vanguard, Union .....	6,075.50	.....	.....	.....	1,009.00	.....	1,032.52	.....	11,060.02
Wadena, Union .....	11,030.20	.....	.....	.....	7,569.00	.....	15.00	.....	26,868.20
Wakaw, Anna Turnbull .....	8,958.31	.....	.....	.....	200.00	.....	1,649.84	.....	17,486.09
Watrous, Manitoba .....	19,870.11	.....	.....	.....	150.00	.....	498.27	.....	12,468.82
Weyburn, General .....	7,608.15	.....	.....	.....	3,741.50	.....	.....	.....	28,516.61
Whitewood, Community .....	8,038.13	.....	.....	.....	685.75	.....	188.69	.....	9,928.40
Wilkie, Union .....	62,829.46	.....	.....	.....	3,040.00	.....	382.26	.....	16,642.55
Yorkton, Queen Victoria .....	411,057.92	.....	.....	.....	.....	.....	.....	.....	74,392.72
Sanatoria .....	.....	.....	.....	.....	.....	.....	.....	.....	697,868.92
	<b>\$2,668,459.32</b>	<b>\$27,070.00</b>	<b>\$37,053.85</b>	<b>\$242,356.00</b>	<b>\$730,316.00</b>	<b>\$81,252.44</b>	<b>\$3,789,512.61</b>		
Regina Junior Red Cross .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Red Cross Outposts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Climax .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Empress .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Medicine Hat .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Battleford Isolation .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<b>\$254,122.43</b>	<b>\$742,352.00</b>							

H. TABLE VIII.—SASKATCHEWAN HOSPITAL INVESTMENTS AND SCHEDULE OF CHARGES, 1938.

Hospitals	Value of buildings and real estate	Value of furniture and equipment	Schedule of Charges							
			Private ward per day	Semi-private ward per day	Public ward per day	Casue room	Operating room	X-ray	Isolation hospital	Laboratory
Arcoia, Brock Union .....	\$ 21,299.85	\$ 5,889.39	\$ 4.00	\$.....	\$2.50 to 3.00	\$5.00 to 7.00	\$4.00 to 15.00	\$1.00 to 20.00	\$2.50	\$.....
Assinibola, Union .....	17,193.73	3,283.83	4.00	3.50	3.00	.....	.....	2.00 to 15.00	.....	.....
Benbrough, Municipal .....	4,050.00	500.00	3.50	.....	2.10	.....	1.50 to 3.00	2.00 to 15.00	.....	1.00 to 5.00
Bienfait, Community .....	4,429.45	1,454.60	3.50	.....	2.50	5.00	5.00 to 10.00	1.00 to 25.00	.....	1.50 to 5.00
Biggar, St. Margaret's .....	23,955.00	19,114.00	3.00 to 5.00	3.00 to 3.50	2.50	5.00	2.00 to 15.00	5.00 to 25.00	3.00 to 4.00	1.50 to 5.00
Birch Hills, General .....	5,690.00	2,108.11	4.00	3.50	2.50	7.50	2.00 to 15.00	5.00	3.50	.50 to 5.00
Broadview, St. Michael's .....	7,378.62	3,056.12	3.75	2.50	.....	.....	2.00 to 10.00	2.00 to 10.00	.....	.50 to 3.00
Cabri, Union .....	15,624.88	1,708.85	3.00 to 3.50	3.00 to 3.50	2.40 to 3.00	5.00	10.00	2.00 to 12.00	.....	2.40 to 3.00
Canora, H. W. Memorial .....	62,000.00	18,575.00	4.00 to 4.50	3.00 to 3.50	2.00 to 2.50	3.00 to 5.00	5.00 to 10.00	.....	3.00 to 5.00	.....
Central Butte, Victorian .....	1,900.00	825.00	.....	.....	.75	5.00	6.00	.....	.....	.....
Cudworth, St. Michael's .....	21,004.16	3,410.70	3.00 to 4.00	2.50 to 3.00	1.50 to 2.00	3.00 to 5.00	3.00 to 15.00	2.00 to 15.00	2.00	.50 to 2.00
Davidson, Union .....	2,800.00	900.00	3.50	.....	2.50	5.00	3.00 to 10.00	.....	2.50	.....
Doddsland, Association .....	4,504.01	3,005.00	4.00	3.00	.....	5.00	10.00	.....	.....	.....
Edonia, Union .....	7,435.37	1,311.18	.....	.....	2.20	.....	.....	3.00 to 10.00	.....	.....
Eddam, Union .....	9,193.80	6,637.32	.....	.....	2.00 to 2.50	3.00	4.00 to 8.00	.....	.....	.....
Elrose, Community .....	5,716.22	1,286.40	.....	2.50	.....	3.00	10.00	.....	2.50	.....
Estevan, General .....	6,000.00	1,000.00	3.00 to 5.00	2.50	2.50	3.00	5.00 to 10.00	.....	.....	.....
Estevan, St. Joseph's .....	80,499.25	15,667.41	3.50 to 5.00	3.00	2.50	3.00	5.00 to 10.00	2.50 to 5.00	3.50	.50 to 3.00
Eston, Union .....	34,847.87	9,870.92	2.50	1.50 to 2.00	1.50 to 2.00	.....	.....	2.00 to 5.00	5.50	.....
Foam Lake .....	4,821.15	3,275.16	3.50	.....	2.50	5.00	3.00 to 10.00	3.50 to 10.00	.....	1.00 to 5.00
Frontier, Community .....	12,247.00	2,300.00	.....	.....	2.50	.....	10.00	.....	.....	.....
Gravelbourg, St. Joseph's .....	113,267.32	26,291.07	4.00	3.00	2.00 to 2.50	5.00	2.00 to 10.00	2.00 to 15.00	2.50	.50 to 4.00
Gull Lake, Union .....	18,728.47	3,115.85	3.50 to 5.00	3.00 to 4.00	2.50 to 3.50	5.00	2.00 to 5.00	W.C.B. Schedule	5.00	.....
Hafford .....	19,100.00	7,900.00	3.50	3.00	2.50	5.00	10.00	W.C.B. Schedule	3.00	.....
Horbert, Community .....	3,350.00	720.00	3.50	.....	2.50	3.00	3.00 to 10.00	.....	3.00	.....
Humboldt, St. Elizabeth's .....	84,372.70	12,493.61	3.00 to 4.00	2.50	2.00	3.00	3.00 to 10.00	3.00 to 10.00	3.00	1.00 to 3.00
Indian Head, Union .....	13,000.00	9,765.71	4.00	3.00	2.00 to 2.50	5.00	1.00 to 11.00	1.00 to 25.00	4.00	.....
Ile la Crosse .....	57,000.00	3,500.00	.....	.....	2.00 to 2.50	.....	.....	.....	.....	.....
Kamsack, General .....	9,000.00	3,100.00	3.50	3.00	2.50	2.00 to 5.00	1.00 to 10.00	1.00 to 15.00	2.50	.....
Kamsack, King Edward .....	3,900.00	2,628.00	3.50	3.00	2.50	5.00	10.00	3.00 to 10.00	2.50	1.00 to 5.00
Kelvington, Union .....	7,967.05	1,815.98	3.50	2.50	2.50	5.00	3.00 to 12.00	.....	.....	.....
Kerrobert, Union .....	23,345.54	7,147.24	3.70	2.70	1.70	5.00	12.30	2.00 to 8.00	2.70	1.00 to 5.00
Kincaid, Community .....	831.72	1,245.58	2.50	2.50	2.25	.....	.....	.....	2.50	.....
Kindersley, Union .....	5,229.91	2,393.26	3.50	2.50	2.25	5.00	3.00 to 10.00	3.50 to 7.00	2.25 to 2.50	.....
Lampman, Union .....	15,720.18	846.14	2.00	.....	2.00	5.00	2.00 to 10.00	1.00 to 2.00	.....	.....
Lashburn, Union .....	12,730.71	2,262.14	3.00	.....	2.00	5.00	6.00 to 10.00	1.00 to 10.00	3.00	.....
Lestock, St. Joseph's .....	12,825.00	1,400.00	3.50	2.50	1.75	5.00	2.00 to 10.00	2.00 to 15.00	1.75	.50 to 1.00
Lloydminster, Union .....	34,892.17	12,862.75	2.25	2.00	2.00	3.00	2.00 to 10.00	3.00 to 15.00	2.50	.50 to 2.00
Maclean, St. Joseph's .....	74,343.02	20,954.93	3.00 to 4.00	2.50 to 3.00	1.50 to 2.50	3.00	2.00 to 10.00	1.00 to 12.00	3.00	.....
Maple Creek, General .....	15,540.00	3,398.00	3.50 to 4.00	.....	2.50	3.00	10.00	8.00	2.50	.....
Meadow Lake .....	7,850.00	5,025.00	3.00	.....	.....	3.00	.....	.....	.....	1.00

Melfort, Lady Minto .....	33,088.53	8,422.51	4.50	3.50	2.50	5.00 to 10.00	3.50 to 5.00	5.00 to 10.00	3.50 to 5.00	3.00 to 3.50	.50 to 15.00
Melville .....	9,500.00	1,900.00	3.50	3.00	2.00 to 2.50	2.00 to 10.00	2.00 to 5.00	2.00 to 10.00	2.00 to 5.00	3.00 to 3.50	
Mildon, Community .....	8,072.92	3,309.16	2.50	2.50	2.50	5.00 to 10.00	5.00	5.00 to 10.00	5.00	2.00	1.00 to 5.00
Moose Jaw, General .....	262,286.84	16,141.00	4.00 to 7.00	3.00	2.00 to 2.50	3.00 to 10.00	6.00	3.00 to 10.00	2.00 to 25.00		1.00 to 5.00
Moose Jaw, Providence .....	242,184.40	15,338.79	4.00 to 5.00	3.00	1.00 to 2.00	3.00 to 10.00	5.00	3.00 to 10.00	3.00 to 15.00		.25 to 3.00
Moosomin, General .....	13,534.23	451.00	3.50	3.00	2.50	3.00 to 12.00	5.00	4.00 to 10.00	3.00 to 10.00	2.50	
Nipawin, Lady Grey .....	7,776.20	2,366.26	3.00	1.00 to 2.50	2.50	4.00 to 10.00	5.00	2.50 to 7.00	2.00 to 20.00		
Nokomis, Community .....	1,800.00	2,300.00	3.00	2.75	1.50 to 2.50	3.00 to 10.00	5.00	3.00 to 10.00	2.00 to 20.00		.50 to 5.00
North Battleford, Notre Dame .....	63,226.09	11,241.90	3.35 to 3.50	2.75	2.50 to 3.00	5.00 to 7.50	5.00	5.00 to 7.50	2.00 to 18.00	2.50	
Orbow, Union .....	4,669.00	1,630.64	2.50 to 3.00	2.50	2.50 to 3.00	2.00 to 10.00	5.00	2.00 to 10.00	3.00 to 18.00	2.50	
Pontelx, Gabriel .....	39,190.00	11,930.00	2.50	2.50	2.50	5.00 to 10.00	10.00	5.00 to 10.00	5.00 to 15.00	2.00 to 2.50	.50 to 3.00
Prince Albert, Holy Family .....	209,800.00	110,000.00	4.00 to 5.00	3.50	2.00 to 2.50	5.00 to 15.00	10.00	5.00 to 15.00	5.00 to 15.00	2.50	.50 to 5.00
Prince Albert, Victoria .....	57,000.00	10,000.00	4.00	3.50	2.50	2.00 to 15.00	10.00	2.00 to 15.00	.50 to 35.00		
Rabbit Lake, Rose Gill .....	6,102.25	2,304.30	4.00 to 5.50	2.50	2.00 to 2.50	5.00 to 10.00	8.00	5.00 to 10.00	2.50 to 25.00	2.00 to 2.50	3.00
Regina, General .....	809,191.87	57,000.00	4.00 to 5.50	3.25 to 3.75	2.00 to 2.50	5.00 to 10.00	5.00	5.00 to 10.00	2.00 to 20.00	2.00 to 2.50	1.00 to 5.00
Regina, Grey Nuns .....	447,145.62	75,380.91	5.00 to 5.50	3.25	2.00 to 2.50	5.00 to 15.00	7.00	5.00 to 15.00	1.00 to 15.00	2.50	.50 to 5.00
Rosetown, Union .....	51,600.00	25,487.96	5.00	3.50	2.50	5.00 to 10.00	7.00	5.00 to 10.00	5.00 to 15.00	2.00	
Rose Valley, Union .....	8,559.94	3,402.29	3.00 to 4.00	2.50 to 3.00	2.00	3.00 to 15.00	5.00	3.00 to 15.00	5.00 to 10.00	2.00	
Rosethorn, St. John's .....	13,340.20	4,144.59	3.00	3.00	2.00	7.00	7.00	7.00	2.00	2.00	
Rouleau, Community .....	5,000.00	600.00	3.00	3.00	2.00	5.00 to 15.00	5.00	5.00 to 15.00	2.00 to 25.00	2.00	.50 to 5.00
Saakatoon, City .....	477,387.95	128,788.64	5.00 to 7.50	3.50	1.50 to 2.50	5.00 to 15.00	5.00	5.00 to 15.00	2.00 to 25.00	1.50 to 2.50	.50 to 5.00
Saakatoon, St. Paul's .....	475,947.74	26,661.89	5.00 to 6.00	3.50	2.50	3.00 to 5.00	3.00	3.00 to 5.00	2.00 to 25.00	2.00	.50 to 5.00
Scott, Municipal .....	3,000.00	3,000.00	2.50	3.00	2.00	5.00 to 10.00	3.00	3.00 to 5.00	2.00	2.00	
Shanavon, Union .....	23,159.59	2,155.00	4.50	3.50	3.50	5.00 to 10.00	5.00	5.00 to 10.00	5.00 to 10.00	3.50	
Smeaton, W. M. Society .....	4,500.00	2,500.00	4.00 to 5.00	3.00 to 3.50	1.50 to 1.75	10.00	5.00	10.00	1.00 to 12.00	2.50	.10 to 2.00
Swift Current, General .....	34,500.00	7,000.00	3.50 to 4.00	2.50 to 3.00	2.50	3.00 to 10.00	5.00	3.00 to 10.00	3.00 to 20.00	2.50	1.00 to 3.00
Tisdale, St. Theresa .....	94,284.05	21,044.50	3.00 to 4.00	2.50 to 3.00	2.00 to 2.50	2.50 to 12.50	5.00	2.50 to 12.50	2.00 to 2.50	2.00 to 2.50	
Unity, Union .....	22,181.70	2,767.33	3.00	3.00	2.00	3.00 to 10.00	5.00	3.00 to 10.00	3.00 to 10.00	2.50	.50 to 7.50
Vanguard, Union .....	14,516.00	4,195.00	4.00	3.00	2.50	2.00 to 10.00	5.00	2.00 to 10.00	2.00 to 10.00	2.50	
Wadena, Union .....	35,438.30	3,667.50	4.00	3.00	2.50	5.00 to 10.00	5.00	5.00 to 10.00	1.00 to 5.00	1.50	
Wakaw, Anna Turnbull .....	16,500.00	4,800.00	3.00	2.00	1.50	5.00 to 10.00	5.00	5.00 to 10.00	3.00 to 10.00	5.00	1.00 to 3.00
Watrous, Manitou .....	8,553.44	4,224.87	3.00	2.00 to 2.50	2.00	5.00 to 10.00	5.00	5.00 to 10.00	3.00 to 10.00	2.50	
Weyburn, General .....	22,530.14	3,526.43	5.00	4.00	2.50	5.00 to 12.00	5.00	5.00 to 12.00	5.00 to 10.00	2.50	
Whitewood, Community .....	4,115.00	1,324.30	3.50	2.50	2.50	10.00	5.00	2.50 to 10.00	3.50 to 5.00	3.00	.50 to 5.00
Wilkie, Union .....	12,309.18	698.91	3.00	3.00	2.50	3.00 to 10.00	5.00	3.00 to 10.00	3.50 to 5.00	3.00	
Yorkton, Queen Victoria .....	99,571.79	11,517.92	4.50	3.00	2.50	5.00	5.00	5.00	5.00	3.00	
Sanatoria .....	2,925,000.00	269,000.00		Free treatment							
	\$7,461,300.21	\$1,085,507.07	\$2.00 to 7.50	\$1.00 to 4.00	\$0.75 to 3.50	\$2.00 to 10.00	\$2.00 to 10.00	\$1.00 to 15.00	\$0.50 to 25.00	\$1.50 to 5.50	\$0.10 to 15.00



NORTH BATTLEFORD, October 28, 1939.

DR. R. O. DAVISON,  
*Deputy Minister of Public Health,*  
Regina, Sask.

SIR,—

I beg to enclose herewith the annual reports of the Saskatchewan Mental Hospital at Battleford, the Saskatchewan Mental Hospital at Weyburn and the Psychopathic Ward, Regina, for the year ended April 30, 1939.

These reports show the work which has been carried on at the various institutions during the past fiscal year. It is not necessary to make an extensive review of these reports, as they deal in detail with the various activities of the hospitals.

The shock therapy has now been carried on for a sufficient length of time in all three hospitals for us to be able to form some estimate of the value of this particular therapy, and, while it does not measure up to the claims of the early advocates of insulin and metrazol, it is, in our opinion, a worthwhile method of treatment, and one which has given an added impetus to the advancement of psychiatric care and treatment.

I am pleased to report that there have been no serious epidemics in the patient population in any of the hospitals during the year, and, on the whole, the general health of the patients and employees has been good.

The work in the different institutions is being carried on with an efficiency, with an earnestness and with a scientific viewpoint which must be gratifying to your department and to everyone concerned with this work.

Outside of the actual work of the hospitals, the mental hygiene programme has been carried on by means of lectures to different organizations throughout the province, and I have to report an ever-widening interest on the part of the public generally, in mental hygiene.

A series of lectures were given to the Royal Canadian Mounted Police during the year, as they felt their need of enlightenment with regard to the care and handling of the mental patients coming within their scope.

It is very gratifying to know that the public in general is taking a very keen interest in the carrying out of the mental hygiene programme mapped out by the Department of Health for the province.

I have the honour to be, Sir,

Your obedient servant,

J. W. MACNEILL, M.D.,  
*Commissioner of Mental Services.*

# The Mental Hospital, North Battleford

NORTH BATTLEFORD, October 28, 1939.

DR. R. O. DAVISON,  
Deputy Minister of Public Health,  
Regina, Sask.

SIR,—

I have the honour to submit herewith the twenty-fifth annual report of the Saskatchewan Mental Hospital at North Battleford.

The work within the hospital has been carried out smoothly and without friction, although the various treatments have been greatly hampered through lack of sufficient space, due to the increasingly over-crowded condition of the hospital.

I wish to take this opportunity of thanking the staff under your department for the good work they have done throughout the year, and for their co-operation in carrying out the regulations of the hospital and in caring for the patients under their charge.

I also wish to thank you and the Honourable, the Minister of Public Health for your unfailing interest and help in all affairs connected with the operation of this hospital, and the mental health of the people of Saskatchewan.

I have the honour to be, Sir,

Your obedient servant,

J. W. MACNEILL, M.D.,  
Superintendent.

TABLE NO. 1.—TOTAL ADMISSIONS—PSYCHOTICS

Month	Admissions		Paroles		Deaths		Elopes-ments		Deport-ations		Trans-fers	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1938												
May .....	21	15	11	4	4	3	..	..	..	..	..	..
June .....	19	13	15	17	8	1	2	..	..	..	..	..
July .....	20	13	15	18	2	2	4	..	..	1	1	..
August .....	19	11	15	7	2	1	1	..	..	..	..	..
September .....	31	15	7	4	5	..	1	..	..	..	1	..
October .....	19	12	12	15	6	3	1	..	..	..	1	..
November .....	18	13	11	7	6	..	..	..	..	..	..	..
December .....	17	15	6	6	7	2	..	..	..	..	..	..
1939												
January .....	23	12	2	4	5	6	..	..	..	..	1	..
February .....	11	10	4	4	7	2	..	..	..	..	..	..
March .....	19	13	8	13	8	3	..	..	..	..	..	..
April .....	19	12	18	10	3	2	..	..	..	..	..	..
Total .....	236	154	124	109	63	25	9	..	..	1	4	..
Grand total .....	390		233		88		9		1		4	

TABLE NO. 2.  
TABLE SHOWING ADMISSIONS, READMISSIONS, DISCHARGES AND DEATHS.  
COMPARATIVE STATEMENT

	Male	Female	Total
Number on our register May 1, 1938 .....	957	493	1,450
Admissions:	Male	Female	Total
First admission .....	184	113	297
Readmission .....	52	41	93
Total admissions .....	236	154	390
Total under our care during year.....	1,193	647	1,840
Discharged or Removed:	Male	Female	Total
Paroled .....	124	109	233
Died .....	63	25	88
Deported .....	..	1	1
Eloped .....	9	..	9
Transferred .....	4	..	4
Total removed from register during year .....	200	135	335
Total remaining on register on April 30, 1939.....	993	512	1,505
Total admissions during the year.....			390
Total paroles during the year.....			233
Percentage of paroles of admissions.....			59.74%
Male admissions during the year.....			236
Male paroles during the year.....			124
Percentage of male paroles of admissions.....			52.54%
Female admissions during the year.....			154
Female paroles during the year.....			109
Percentage of female paroles of admissions.....			70.78%
Total number of cases treated during the year.....			1,840
Total number of deaths during the year.....			88
Percentage of deaths of cases under treatment.....			4.78%

TABLE NO. 3.—COMPARATIVE STATEMENT

	1914-15	1915-16	1916-17	1917-18	1918-19	1919-20	1920-21
Admissions .....	271	250	268	290	318	296	302
Paroles .....	97	100	123	122	160	168	134
Deaths .....	24	44	55	58	115	85	56
Deportations ..	20	12	6	7	4	5	7
Eloped .....	..	..	2	4	4	6	11
Transfers .....	4	2	2	1	2	..	1
Total .....	416	408	456	482	603	560	511
	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28
Admissions .....	321	188	200	234	246	257	260
Paroles .....	133	108	107	106	114	141	136
Deaths .....	50	35	38	38	43	62	58
Deportations ..	7	10	6	5	9	17	16
Eloped .....	8	4	4	5	1	4	5
Transfers .....	457	1	1	9	2	1	..
Total .....	976	346	356	397	415	482	475

TABLE NO. 3.—COMPARATIVE STATEMENT—Continued

	1928-29	1929-30	1930-31	1931-32	1932-33	1933-34	1934-35
Admissions .....	306	330	329	330	382	383	362
Paroles .....	150	177	154	175	165	183	199
Deaths .....	59	44	57	71	75	81	97
Deportations ..	25	28	29	21	22	12	8
Eloperments ....	8	22	15	12	14	10	8
Transfers .....	..	2	68	..	1	75	..
<b>Total .....</b>	<b>548</b>	<b>603</b>	<b>652</b>	<b>609</b>	<b>659</b>	<b>744</b>	<b>674</b>

	1935-36	1936-37	1937-38	1938-39
Admissions .....	432	390	373	390
Paroles .....	223	239	230	233
Deaths .....	102	75	91	88
Deportations ..	4	1	..	1
Eloperments ....	8	8	6	9
Transfers .....	4	3	3	4
<b>Total .....</b>	<b>773</b>	<b>716</b>	<b>703</b>	<b>725</b>

TABLE NO. 4.—AGE GROUPS

Age Group	Admissions		Paroles		Deaths	
	M.	F.	M.	F.	M.	F.
10-19 .....	7	19	4	12	..	..
20-29 .....	57	36	39	27	6	3
30-39 .....	47	33	28	26	7	2
40-49 .....	41	27	22	21	6	2
50-59 .....	40	25	18	17	15	8
60-69 .....	24	5	10	4	10	2
70-79 .....	16	6	3	2	13	2
80-89 .....	4	2	..	..	6	5
90 and over .....	..	1	..	..	..	1
<b>Totals .....</b>	<b>236</b>	<b>154</b>	<b>124</b>	<b>109</b>	<b>63</b>	<b>25</b>
<b>Grand total .....</b>	<b>390</b>		<b>233</b>		<b>88</b>	

TABLE NO. 5—DIAGNOSES.

Diagnoses	Male	Female
Senile psychoses .....	14	12
Psychoses with cerebral arteriosclerosis.....	41	9
General paralysis .....	10	3
Psychoses with cerebral syphilis.....	1	....
Psychoses with other brain or nervous diseases:		
Encephalitis lethargica .....	4	....
Alcoholic psychoses:		
Acute hallucinosis .....	2	....
Psychoses with other somatic diseases:		
Diseases of the ductless glands.....	1	1
Other diseases or conditions.....	3	5
Manic-depressive psychoses:		
Manic type .....	15	11
Depressive type .....	7	8
Other types .....	....	7
Involuntal melancholia .....	3	11
Dementia præcox (schizophrenia) .....	80	49
Epileptic psychoses .....	5	2
Psychoneuroses and neuroses:		
Hysterical type .....	....	1
Psychasthenic type .....	2	3
Neurasthenic type .....	3	4
Other types .....	3	....
Psychoses with psychopathic personality.....	3	2
Psychoses with mental deficiency.....	7	1
Undiagnosed psychoses .....	5	7
Without psychosis:		
Epilepsy without psychosis .....	4	10
Alcoholism without psychosis .....	10	....
Drug addiction without psychosis.....	2	1
Psychopathic personality without psychosis.....	....	1
Mental deficiency without psychosis.....	9	6
Other conditions .....	2	....
	236	154
	390	

TABLE NO. 6.—NATIVITY OF ADMISSIONS

Country	Male	Female	Country	Male	Female
Austria .....	8	3	Italy .....	3	....
Belgium .....	....	3	Norway .....	5	1
Canada .....	105	92	Poland .....	7	8
China .....	3	....	Roumania .....	1	1
Czecho-Slovakia .....	2	....	Russia .....	11	6
Denmark .....	1	....	Scotland .....	7	5
England .....	29	7	Sweden .....	3	1
Finland .....	1	1	Switzerland .....	1	....
France .....	2	....	Syria .....	1	....
Germany .....	5	....	Ukraine .....	3	2
Holland .....	....	1	U.S.A. ....	27	16
Hungary .....	2	1	Wales .....	....	1
Iceland .....	2	....	Not determined .....	4	....
Ireland .....	3	5			
				236	154
				390	

TABLE NO. 7.—MILITARY PATIENTS ADMITTED DURING YEAR

No.	Nativity	Age	Social Condition	Mental diagnosis
1	Canada	44	Married	Encephalitis lethargica
2	Canada	57	Married	Manic depressive, manic type
3	Austria	50	Married	Schizophrenia paranoid
4	Canada	41	Married	Left open
5	U.S.A.	38	Married	Chronic alcoholism without psychosis
6	England	38	Married	Schizophrenia—catatonic
7	England	48	Married	General paresis of insane
8	Canada	66	Single	Psychosis with cerebral arterio-sclerosis
9	England	48	Single	Schizophrenia hebephrenic
10	Canada	45	Married	Encephalitis lethargica
11	England	53	Single	Drug addiction without psychosis
12	England	63	Single	Psychosis with other somatic disease—cerebral arteriosclerosis.

Remaining in hospital on May 1, 1938.....	115
Number admitted during the year.....	12
<b>Total</b> .....	<b>127</b>
Number paroled during the year.....	5
Number died during the year.....	4
Number eloped during the year.....	1
Removed from the register during the year.....	— 10
<b>Remaining in hospital on April 30, 1939.....</b>	<b>117</b>

TABLE NO. 8.—RACE OF ADMISSIONS

Race	Male	Female	Race	Male	Female
Austrian .....	8	7	Indian (N.A.) .....	3	4
Belgian .....	1	3	Irish .....	14	12
Chinese .....	3	....	Italian .....	4	....
Czecho-Slovakian ..	1	....	Norwegian .....	12	5
Danish .....	2	....	Polish .....	6	6
Dutch .....	4	5	Roumanian .....	....	1
English .....	48	29	Russian .....	7	10
Finnish .....	1	1	Scotch .....	22	19
French .....	14	15	Swedish .....	2	2
German .....	30	12	Swiss .....	4	....
Hebrew .....	....	....	Ukrainian .....	13	6
Hungarian .....	6	2	Welsh .....	3	1
Icelandic .....	2	1	Undetermined .....	26	13
				236	154
				390	

TABLE NO. 9.—DEATHS DURING THE YEAR 1938-39

No.	Sex	Age	Immediate Cause of Death	Predisposition
1	F.	84	Chronic myocarditis .....	Senile psychosis
2	F.	50	Chronic adhesive pericarditis.....	Involitional melancholia
3	M.	48	Pulmonary tuberculosis .....	Schizophrenia
4	M.	73	Tumour of the brain.....	Senile psychosis
5	M.	34	Bronchopneumonia .....	General paresis of insane
6	M.	75	Arteriosclerosis .....	Senile psychosis
7	F.	81	Pulmonary embolism .....	Senile psychosis
8	M.	53	Asphyxia due to inhalation of food .....	Paresis
9	M.	54	Self-inflicted wounds of neck....	Epileptic psychosis
10	M.	40	Cellulitis of scalp and septicaemia	Schizophrenia, catatonic
11	M.	28	Abscess of the brain, bilateral otitis media .....	Schizophrenia, hebephrenic
12	M.	78	Lobar pneumonia .....	Arteriosclerotic psychosis
13	M.	82	Lobar pneumonia .....	Senile psychosis
14	F.	24	Epilepsy .....	Epilepsy with deterioration
15	M.	20	Hyperinsulinism .....	Schizophrenia
16	M.	27	Pulmonary tuberculosis .....	Schizophrenia
17	M.	68	Arteriosclerosis .....	Arteriosclerotic psychosis
18	F.	57	Pulmonary tuberculosis .....	Pre-senile psychosis
19	M.	45	Pulmonary tuberculosis .....	Schizophrenia
20	F.	43	Epilepsy .....	Epileptic psychosis
21	F.	57	Dilatation of heart, broncho- pneumonia .....	Manic depressive, manic
22	M.	23	Dilatation of heart, and pul- monary edema following in- sulin shock therapy.....	Schizophrenia, catatonic
23	M.	66	Arteriosclerosis .....	Cerebral arteriosclerosis
24	M.	63	Septicaemia due to multiple ab- scesses. Diabetes. Chronic myocarditis .....	General paresis of insane
25	M.	29	Pulmonary tuberculosis .....	Manic depressive, depressed type

TABLE NO. 10.—DEPORTATIONS TO OTHER COUNTRIES, 1938-39

No.	Sex	Age	Social Condition	Mental Diagnosis	Where Deported	Date
1	F.	33	Single	Schizophrenia	U.S.A.	July 21, 1938

TABLE 11—DENTAL DEPARTMENT

The following is a report of the work done in the dental department of the Mental Hospital at Battleford during the fiscal year May 1, 1938-April 30, 1939:

	Extractions	Prophylaxis	Treatments	Fillings	Plates Repaired
Female .....	645	69	54	49	18
Male .....	1,069	104	74	31	14
Total.....	1,714	173	128	80	32

In addition, five dentures were constructed for male patients, and one porcelain jacket crown constructed for a female patient.

During this time, a great many patients with markedly septic mouths were treated and all foci of infection removed. In many cases, the improvement in general health was marked. However, for patients likely to be in hospital for some considerable time, more preventive and restorative work is necessary. All new admissions are examined carefully for foci of infection, impacted teeth, periodontal lesions and other conditions which might have an influence on their condition.

At the minimum fees as set by the Saskatchewan College of Dental Surgeons, the work done would be in excess of two thousand, five hundred dollars (\$2,500.00).

## OCCUPATIONAL SHOPS—MALE

Baskets .....	14	Letter racks .....	2
Baskets, bread .....	2	Picture frames .....	73
Baskets, laundry .....	8	Plant stands .....	7
Baskets, sewing .....	5	Settees .....	2
Book ends .....	2	Table, bed .....	1
Book racks .....	6	Tables, coffee .....	9
Book stands .....	3	Table, dressing .....	1
Boxes .....	9	Tables, end .....	2
Brushes, black .....	144	Tables, lawn .....	4
Brushes, scrub .....	301	Table, tilt-top .....	1
Cabinet, carved .....	1	Table, nest .....	1
Cabinets, china, carved .....	2	Toy airplanes .....	6
Cabinets, medicine .....	7	Toy chairs .....	4
Chairs, lawn .....	4	Toy dressers .....	2
Cribbage boards .....	16	Toy Kiddy Kars .....	6
Desks .....	2	Toy sled .....	2
Desks, writing .....	3	Toy table and chair sets .....	5
Fern stands .....	8	Toy wheelbarrows .....	11
Fire screens .....	4	Trays .....	5
Foot stools .....	43	What-nots .....	2
Lamps .....	16	2x4's trimmed for garden seats .....	56
Lawn figures .....	9		

## OCCUPATIONAL WORK—FEMALE

Afghans .....	1	Gloves (pair) .....	1
Afghans, baby .....	2	Hot water bottle case .....	1
Aprons .....	28	Luncheon cloths .....	11
Baby booties .....	1	Luncheon sets .....	52
Baby caps .....	4	Mats, bath .....	6
Baby dresses .....	4	Pillow cases (pairs) .....	174
Baby hose (pairs) .....	18	Pin cushions .....	4
Baby mitts .....	2	Place mats .....	2
Baby sweaters .....	4	Pot holders .....	29
Bags, clothes pin .....	7	Quilt .....	1
Bags, laundry .....	25	Rompers .....	2
Bags, potholder .....	4	Runners .....	19
Bags, shopping .....	1	Serviettes .....	3
Bed jackets .....	22	Sheet and pillow case sets .....	13
Bedroom slippers (pairs) .....	8	Socks (pair) .....	1
Card table covers .....	2	Stuffed toys .....	2
Carriage covers .....	3	Sweaters .....	2
Centres .....	2	Tapestries .....	17
Collar and cuff sets .....	5	Tea cosies .....	7
Crib cover .....	1	Three-piece sets .....	11
Curtain ties (pairs) .....	2	Tray cloths .....	7
Cushions .....	6	Towels, bath (pairs) .....	24
Dish cloths .....	6	Towels, dish (pairs) .....	44
Doilies .....	153	Towels, hand (pairs) .....	15
Dolls .....	5	Wall hangings .....	2



## SEWING ROOM

Aprons, cotton .....	91	Gowns (doctors') .....	36
Aprons, nurses' .....	169	Gowns (X-ray) .....	6
Aprons, rubber .....	24	Hair cloths .....	9
Aprons, ticking .....	6	Pillow cases .....	1,352
Bags (Bursar's office) .....	148	Pneumonia jackets .....	24
Bags, tea .....	2,099	Pot holders .....	75
Belts, nurses' .....	101	Press covers .....	34
Bibs, nurses' .....	292	Princess slips .....	90
Caps, nurses' .....	69	Sheets .....	1,393
Compresses .....	24	Shirts, night .....	251
Covers, cushion .....	48	Shrouds .....	84
Covers, dresser .....	36	Table cloths .....	69
Covers, table .....	98	Towels, bath .....	1,442
Curtains (pairs) .....	84	Towels, dish .....	319
Dresses, cotton .....	14	Towels, individual .....	145
Dresses, night .....	545	Tray cloths .....	47
Dresses, strong .....	5	Uniforms, blue .....	42
Dressing gowns .....	21	Uniforms, white .....	76
Face steamers .....	15	Valances .....	3

## SHOE REPAIR SHOP

Men patients: Boots and shoes repaired .....	1,748
Women patients: Shoes repaired .....	549

## HARNESS REPAIRS

Back pads .....	14	Martingales .....	6
Belly bands .....	5	Straps (pole) .....	22
Bridles .....	12	Straps (breast) .....	6
Breechings .....	5	Straps (hames) .....	12
Collars .....	25	Saddle .....	1
Halters .....	36	Traces .....	28
Harness sets .....	$\frac{1}{2}$	Tugs .....	2
Lines .....	$21\frac{1}{2}$		

## TAILOR SHOP

<i>New Work</i>		<i>Repairs</i>	
Coats, attendants', white .....	122	Coats, attendants' .....	102
Coats, cooks' .....	4	Coats, cloth .....	134
Overalls .....	400	Coats, cooks' .....	30
Overall bibs .....	144	Coats, doctors', white .....	16
Smocks .....	101	Coats, over .....	29
Suits, cooks' .....	20	Coats, sheepskin .....	46
Suits, strong .....	10	Overalls .....	1,983
Trousers .....	2	Smocks .....	185
Trousers, cooks', white .....	10	Trousers, patients .....	665
Uniform suits .....	3	Trousers, uniform .....	93
		Trousers, white .....	35
		Vests .....	27

## MATTRESS SHOP

Bags, ice .....	1	Mattresses, pack .....	9
Caps, ice .....	6	Mattresses, strong (remade) .....	4,077
Covers, bath .....	30	Mattresses, wool (new) .....	476
Covers, extractor .....	4	Mattresses, wool (remade) .....	2,269
Curtains, pairs .....	35	Pillows, new .....	295
Cushions, new .....	134	Pillows, remade .....	1,232
Cushions, remade .....	191	Pillows, rubber .....	15
Dividers .....	24	Salt strainers .....	1
Fly swatters .....	360	Sheets, rubber .....	218
Foot stools .....	6	Sheets, spot .....	4
Kneelers .....	18	Sheets, strong .....	51
Mattress cases .....	44		

## INDUSTRIAL OCCUPATION

This report shows the work which has been carried out in the Industrial Occupation Department for the fiscal year 1938-39.

1. A concrete slab was built back of the main kitchen.
2. The big refrigerator in the main kitchen was plastered and painted and put in good condition.
3. A small room was built back of the main kitchen for the purpose of keeping the storm doors. The brine pump for the bake shop was also installed in this room.
4. A carpenter's shop was built under 8-a T.B. verandah. Also store room for lumber and supplies.
5. Curling rink built.
6. Plastered both sides annex stairway fire wall.
7. Ward 7-a—Built porch, steps, door and window to fan room.
8. Built 60 feet of skid and platform for storing ice.
9. Built toilet, bathroom and septic in cottage at chicken farm.
10. Installed Delco lighting system at chicken farm.
11. Constructed four new chicken houses at poultry farm.
12. Erected building and installed Delco lighting system at irrigation project.
13. Changed water lines from old reservoir to new reservoir and built 22-ft. concrete manhole.
14. Built new filing room in attic, lathed and plastered; put in shelves and built two filing cabinets for obsolete files.
15. Built two big doors into old septic tank garage to allow the trucks to be housed there.
16. Pulled down old root cellar.
17. Built new toilet room Annex T.B. ward; walls plastered, cement floor, installed three toilets, three wash basins and one bath tub.
18. Built three wooden tanks—two for ward 7-a and one for 8-a.
19. Rooms built under 1-a and 2-a for condemning rooms. Room built under 8-a for storing storm windows and screens.
20. One half of the old reservoir converted into a new root cellar to take care of the crops grown on the irrigation project.
21. Enlarged dispensary and built room under the front verandah, which makes a storeroom for the dispensary. Alterations made in officers' dining room.
22. Cut through wall in 9-a basement from new tunnel, put in concrete steps and floor, two side walls, changed pipes.
23. Built sterilizing building of stone, with upper storey of wood; inside wall, plaster-board; outside, cement plaster. Installed tables, racks for supplies, hot and cold water, sterilizing machine in basement, racks for sterilizing cans.
24. Built tunnel from store to sterilizer, for steam; installed hot and cold water return lines and traps.
25. Replaced floor store basement; installed sewer.
26. New glass partition around kitchen 8-a, plastering walls, ceilings, and painting.
27. Concrete wall and steps; floor in pump room at the irrigation project.
28. Concrete manhole under ground for telephone terminals; cable laid in concrete.
29. New incinerator and stone wall.
30. Built 16 concrete ends for lawn seats.
31. Put 50 double windows in main building.
32. Installed new 40,000 gallon water pump in power house.
33. Painted and repaired cottage.
34. Built concrete wall and steps, irrigation pump house.
35. Built two new chimneys, irrigation project.
36. Built new concrete manhole, block line.
37. Built stone wall at greenhouse.
38. Laid cement floor in the blacksmith's shop.
39. Installed electric ovens and toaster in main kitchen; installed new stew pot and coffee urn in main kitchen.
40. 7-a T.B. ward—Changed bath room and put in toilets.

41. 10-b—Laid new floor and extra bath, relaid floor in lavatory and put in wash basin.
42. Laid sidewalk to sterilizing room.
43. Repaired floor in boiler room; took softeners out of power house; cut through wall and had to rebuild same.
44. Built concrete wall driveway to cow barn, and rebuilt some of concrete troughs.
45. Built concrete bins in root cellar.
46. Rebuilt chimneys in brick cottages and repaired roofs.

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*(For annual report on Mental Hospital Farm, Gardens, Grounds and Greenhouses, see Annual Report of the Department of Public Works.)*

# The Mental Hospital, Weyburn

WEYBURN, SASK., October 16, 1939.

DR. J. W. MACNEILL,  
Commissioner of Mental Services,  
North Battleford, Sask.

SIR:

I have the honour to submit to you for your consideration the eighteenth annual report of the Saskatchewan Mental Hospital, Weyburn, for the year ended April 30, 1939.

Our total population at that date was 1,981, of which 1,238 were male patients and 743 were female patients. This represented an increase in population of 86 patients for the year. This includes a net increase of 65 mental defectives, so that our psychotic population increased only 21 for the year.

Reference was made in the report of the previous year to the introduction of the use of insulin and metrazol shock treatment. It will be noted that our percentage of paroles this year shows a decided improvement as compared with previous years, and, while it is perhaps early as yet to make a proper evaluation, it is felt that the newer forms of treatment are largely responsible for the increase of paroles.

With the exception of a noticeable increase in the number of cases of gastro-intestinal influenza, which was very prevalent for a short time in this part of the country, the general health of the patients and staff has been satisfactory throughout the year.

I have the honour to be, Sir,

Your obedient servant,

A. D. CAMPBELL, M.B.,  
Superintendent.

TABLE NO. 1.—TOTAL ADMISSIONS—PSYCHOTICS

Month	Admissions		Paroles		Deaths		Elopes-ments		Deport-ations		Trans-fers	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
<b>1938</b>												
May .....	18	3	5	4	6	3	..	..	..	..	..	..
June .....	24	12	3	7	4	..	..	..	..	..	..	..
July .....	14	10	4	10	5	5	..	..	..	..	..	..
August .....	10	4	14	4	5	..	..	..	..	..	..	..
September .....	16	9	11	7	3	1	..	..	..	..	..	..
October .....	21	7	8	4	7	2	2	..	..	..	..	..
November .....	18	6	13	4	8	3	..	..	..	..	..	..
December .....	6	5	10	3	1	4	..	..	..	..	..	..
<b>1939</b>												
January .....	12	7	6	2	2	..	..	..	..	..	..	..
February .....	22	4	7	..	6	2	..	..	..	..	..	..
March .....	10	13	11	6	3	3	..	..	..	..	..	..
April .....	15	9	26	7	1	2	..	..	..	..	..	..
<b>Total .....</b>	<b>186</b>	<b>89</b>	<b>118</b>	<b>58</b>	<b>51</b>	<b>25</b>	<b>2</b>	..	..	..	..	..
<b>Grand total .....</b>	<b>275</b>		<b>176</b>		<b>76</b>		<b>2</b>	..	..	..	..	..

TABLE NO. 2.  
SHOWING MOVEMENT OF PATIENTS—COMPARATIVE STATEMENT.

	Male	Female	Total
Number on our register May 1, 1938 .....	1,177	718	1,895
Admissions:	Male	Female	Total
First admission, psychotic ..	145	67	212
First admission, defective ..	58	30	88
Readmission, psychotic ....	41	22	63
Readmission, defective ....	6	5	11
Transfers, psychotic .....	..	..	..
Transfers, defective .....	3	..	3
Total admissions .....	253	124	377
Total under our care during year .....	1,430	842	2,272
Discharged or Removed:	Male	Female	Total
Paroled, psychotic .....	118	58	176
Paroled, defective .....	11	8	19
Deaths, psychotic .....	51	25	76
Deaths, defective .....	9	8	17
Deported .....	..	..	..
Elopements, psychotic .....	2	..	2
Elopements, defective .....	1	..	1
Total removed from register during year .....	192	99	291
Total remaining on register on April 30, 1939 .....	1,238	743	1,981
Total admissions during year (psychotics) .....			275
Total paroles during year (psychotics) .....			178
Percentage of paroles of admissions .....			64.73%
Males admitted during year .....			186
Males paroled during year .....			120
Percentage of paroles of admissions .....			64.52%
Females admitted during year .....			89
Females paroled during year .....			58
Percentage of paroles of admissions .....			65.17%
Total number of cases under treatment .....			2,272
Total number of deaths during year .....			93
Percentage of deaths of cases under treatment .....			4.1%
Defective male admissions .....			67
Defective male paroles .....			12
Percentage of paroles of admissions .....			17.91%
Defective female admissions .....			35
Defective female paroles .....			8
Percentage of paroles of admissions .....			22.86%

TABLE NO. 3.—MOVEMENT OF PATIENTS—18 YEAR PERIOD.

	1921-22	1922-23	1923-24	1924-25	1925-26
Admissions .....	607	341	254	270	271
Paroles .....	21	146	113	112	143
Deaths .....	11	90	60	65	67
Deportations .....	2	6	10	11	15
Eloperments .....	..	5	7	1	1
Transfers .....	..	1	3	..	..
<b>Total .....</b>	<b>573</b>	<b>666</b>	<b>729</b>	<b>815</b>	<b>862</b>

	1926-27	1927-28	1928-29	1929-30	1930-31
Admissions .....	275	240	385	307	395
Paroles .....	138	100	121	137	124
Deaths .....	67	68	96	70	59
Deportations .....	13	17	24	21	24
Eloperments .....	3	6	4	1	1
Transfers .....	..	..	..	..	..
<b>Total .....</b>	<b>916</b>	<b>965</b>	<b>1,005</b>	<b>1,083</b>	<b>1,270</b>

	1931-32	1932-33	1933-34	1934-35	1935-36
Admissions .....	285	245	332	318	303
Paroles .....	105	93	108	139	142
Deaths .....	79	77	97	103	80
Deportations .....	15	7	10	2	2
Eloperments .....	2	6	8	9	5
Transfers .....	..	..	..	..	..
<b>Total .....</b>	<b>1,354</b>	<b>1,416</b>	<b>1,526</b>	<b>1,590</b>	<b>1,664</b>

	1936-37	1937-38	1938-39
Admissions .....	374	372	374
Paroles .....	159	150	195
Deaths .....	95	101	93
Deportations .....	..	..	..
Eloperments .....	4	5	3
Transfers .....	..	1	3
<b>Total .....</b>	<b>1,780</b>	<b>1,895</b>	<b>1,981</b>

TABLE NO. 4.—AGE GROUPS.

Age Group	Admissions		Paroles		Deaths	
	M.	F.	M.	F.	M.	F.
10-19 .....	8	7	6	7	..	1
20-29 .....	53	14	38	10	3	..
30-39 .....	33	15	23	13	5	5
40-49 .....	25	15	20	14	3	5
50-59 .....	37	17	22	10	8	4
60-69 .....	9	12	9	2	8	4
70-79 .....	14	7	2	2	16	3
80-89 .....	7	1	1	..	8	2
90-99 .....	..	1	..	..	..	1
<b>Total .....</b>	<b>186</b>	<b>89</b>	<b>121</b>	<b>58</b>	<b>51</b>	<b>25</b>
<b>Grand total .....</b>	<b>275</b>		<b>179</b>		<b>76</b>	

TABLE NO. 5.—DIAGNOSES.

Diagnoses	Male	Female
Traumatic psychoses .....	2	..
Traumatic psychoses with epilepsy .....	1	1
Senile psychoses .....	18	13
Psychoses with cerebral arteriosclerosis .....	13	9
General paresis of the insane .....	6	1
Psychoses with cerebral syphilis:		
Meningo-vascular type .....	1	..
Psychoses with Huntingdon's chorea .....	..	1
Psychoses with brain or nervous disease:		
Encephalitis lethargica .....	3	3
Cerebral thrombosis .....	1	..
Alcoholic psychoses (acute) .....	..	1
Psychoses with other somatic diseases .....	..	2
Encephalitis (unknown origin) .....	1	..
Paralysis agitans .....	..	1
Chronic nephritis .....	..	1
Rheumatoid arthritis .....	..	1
Chorea .....	..	1
Puerperal sepsis .....	..	1
Myxœdema .....	..	1
Manic depressive psychoses:		
Manic type .....	14	5
Depressed type .....	7	7
Not differentiated .....	7	2
Involutional melancholia .....	2	3
Schizophrenia:		
Catatonic type .....	25	9
Hebephrenic type .....	18	9
Simple type .....	3	..
Paranoid type .....	21	6
Not differentiated .....	4	..
Epileptic psychoses .....	15	2
Psychoneuroses and neuroses:		
Neurasthenic type .....	3	2
Hysterical type .....	..	1
Psychasthenic type .....	..	1
Psychoses with psychopathic personality .....	1	..
Psychoses with mental deficiency .....	3	3
Undiagnosed psychoses .....	..	1
Without psychoses:		
Psychopathic personality .....	4	..
Alcoholism .....	3	..
Drug addiction .....	1	..
Other conditions .....	9	1
Mental deficiency .....	67	35
	253	124
	377	

TABLE NO. 6.—NATIVITY OF ADMISSIONS—PSYCHOTICS.

Country	Male	Female	Country	Male	Female
Austria .....	10	4	Ireland .....	4	1
Belgium .....	1	1	Norway .....	4	..
Bukowina .....	1	..	Poland .....	7	2
Canada .....	99	48	Roumania .....	3	1
Czecho-Slovakia .....	..	1	Russia .....	11	7
China .....	1	..	Scotland .....	5	4
England .....	12	7	Sweden .....	5	1
Galicia .....	..	1	U.S.A. ....	17	8
Germany .....	2	1	Ukraine .....	1	..
Hungary .....	1	2	Wales .....	1	..
India .....	1	..			
				186	89
				275	

TABLE NO. 7.—MILITARY PATIENTS ADMITTED

No.	Nativity	Age	Social condition	Mental Diagnosis
1	Canada	48	S.	Schizophrenia, paranoid
2	England	43	M.	Without psychosis
3	Canada	41	Sep.	General paresis of insane
4	Canada	50	S.	Epileptic psychosis (traumatic)
5	England	51	M.	Involuntional melancholia

Remaining in hospital on May 1, 1938.....	65
Number admitted during the fiscal year .....	5
Total .....	70
Number paroled during the year.....	4
Number died during the year.....	1
Number eloped during the year.....	..
Removed from the register during the year.....	— 5
Remaining in hospital on April 30, 1939.....	65

TABLE NO. 8.—RACIAL ORIGIN OF ADMISSIONS—PSYCHOTICS

Race	Male	Female	Race	Male	Female
Austrian .....	5	3	Jewish .....	1	1
Belgian .....	1	1	Mexican .....	1	..
Bohemian .....	1	..	Mixed (halfbreed) .....	2	..
Chinese .....	1	..	Norwegian .....	7	4
Czecho-Slovakian .....	..	1	Polish .....	7	3
Dutch .....	..	3	Roumanian .....	4	1
English .....	30	22	Russian .....	6	5
Finnish .....	..	1	Scotch .....	26	11
French .....	15	3	Swedish .....	8	1
German .....	26	13	Ukrainian .....	12	2
Hungarian .....	2	2	Welsh .....	1	1
Irish .....	28	9	Undetermined .....	1	1
Indian (N.A.) .....	1	1			
				186	89
				275	



TABLE NO. 9.—DEATHS DURING THE YEAR 1938-39.—PSYCHOTICS.

No.	Sex	Age	Immediate Cause of Death	Predisposition
1	M.	44	Pulmonary tuberculosis .....	Dementia præcox, hebephrenic
2	M.	75	Cardio-renal failure .....	Psychosis with cerebral arterio-sclerosis
3	M.	77	Cardio-renal failure .....	Senile psychosis, paranoid tendency
4	M.	60	Exhaustion of manic depressive psychosis .....	Manic depressive psychosis
5	M.	83	Hypostatic pneumonia, chronic myocarditis .....	Senile psychosis
6	M.	72	Peritonitis .....	Senile psychosis
7	F.	33	Acute cardiac dilatation .....	Schizophrenia, hebephrenic
8	M.	77	Myocarditis and chronic interstitial nephritis .....	Senile psychosis
9	M.	74	Myocardial failure .....	Psychosis with cerebral arterio-sclerosis
10	F.	85	Chronic myocarditis .....	Psychosis with cerebral arterio-sclerosis
11	F.	79	Subacute cholecystitis .....	Senile psychosis
12	M.	57	Exhaustion of chronic manic depressive psychosis .....	Manic depressive psychosis, manic type
13	F.	74	Bronchopneumonia .....	Psychosis with cerebral arterio-sclerosis
14	M.	74	Lobar pneumonia .....	Manic depressive psychosis, mixed type
15	M.	82	Influenza, myocarditis .....	Psychosis with cerebral arterio-sclerosis
16	F.	35	Acute pulmonary tuberculosis...	Psychosis with somatic disease (tuberculosis)
17	F.	60	Influenza, myocarditis .....	Epileptic psychosis
18	F.	95	Myocarditis .....	Psychosis with cerebral arterio-sclerosis
19	M.	88	Myocarditis .....	Senile psychosis
20	M.	46	Pulmonary tuberculosis .....	Manic depressive
21	F.	43	Disseminated sclerosis .....	Psychosis with other somatic disease (disseminated sclerosis)
22	M.	78	Chronic myocarditis .....	Psychosis with cerebral arterio-sclerosis
23	M.	62	Epithelioma of bladder.....	Schizophrenia
24	M.	57	Chronic myocarditis .....	Senile psychosis, pre-senile
25	M.	78	Abscess of lung, bronchopneumonia .....	Chronic alcoholism
26	F.	57	Myocarditis .....	Psychosis with other somatic disease (cholecystitis and hypernephroma)
27	M.	33	General peritonitis .....	Dementia præcox, catatonic
28	F.	49	Gastro enteritis .....	Involitional melancholia
29	M.	77	Generalized carcinoma .....	Senile psychosis
30	M.	31	Brain Abscess .....	Without psychosis, epilepsy
31	M.	58	Drowning .....	Involitional melancholia
32	M.	85	Myocarditis .....	Senile psychosis
33	M.	51	Bronchopneumonia .....	Psychosis with Huntingdon's chorea
34	F.	56	Acute myocarditis .....	Undiagnosed psychosis
35	M.	81	Bronchopneumonia .....	Senile psychosis
36	F.	39	Chronic myocarditis .....	Dementia præcox, hebephrenic
37	F.	41	Lobar pneumonia .....	Schizophrenia
38	M.	53	Coronary thrombosis .....	Psychosis with cerebral arterio-sclerosis
39	M.	37	Bronchopneumonia .....	General paresis of insane
40	M.	81	Hypostatic pneumonia, chronic myocarditis .....	Psychosis with cerebral arterio-sclerosis
41	F.	56	Myocardial degeneration .....	Manic depressive, recurrent depression

TABLE NO. 9.—DEATHS DURING THE YEAR 1938-39.—PSYCHOTICS—Continued

No.	Sex	Age	Immediate Cause of Death	Predisposition
42	F.	30	Subacute bacterial endocarditis	Schizophrenia
43	M.	30	Exhaustion of psychosis .....	Epileptic psychosis, mental deficiency
44	M.	71	Myocarditis .....	Senile dementia
45	M.	85	Myocarditis .....	Senile psychosis
46	M.	79	Myocarditis .....	Senile psychosis
47	M.	23	Traumatic cyst of brain.....	Psychosis with epilepsy (idiopathic)
48	M.	73	Myocarditis .....	Senile psychosis
49	M.	58	Influenza .....	Senile psychosis
50	F.	31	Pulmonary tuberculosis .....	Epileptic psychosis
51	M.	82	Coronary thrombosis .....	Senile psychosis
52	M.	69	Myocarditis .....	Psychoneurosis, neurasthenic
53	M.	73	Arteriosclerosis .....	Psychosis with cerebral arteriosclerosis
54	F.	70	Terminal bronchopneumonia ...	Psychosis with other somatic disease, paralysis agitans
55	M.	69	Pulmonary tuberculosis .....	Senile psychosis
56	F.	67	Nephrosclerosis .....	Psychosis with somatic disease, chronic nephritis
57	M.	68	Carcinoma of the rectum.....	Senile dementia, pre-senile arteriosclerosis
58	M.	63	Cerebellar hæmorrhage .....	Psychosis with cerebral arteriosclerosis
59	M.	78	Cerebellar hæmorrhage .....	Psychosis with cerebral arteriosclerosis
60	M.	62	Lobar pneumonia .....	Epileptic psychosis
61	M.	46	Septicæmia .....	Involutional melancholia
62	F.	80	Coronary thrombosis .....	Psychosis with cerebral arteriosclerosis
63	F.	69	Bronchopneumonia .....	Senile psychosis
64	M.	60	General paresis of insane, syphilis .....	General paresis of insane
65	F.	48	Suicide by hanging .....	Involutional melancholia
66	M.	50	Exhaustion of acute psychosis...	Manic depressive psychosis
67	M.	36	Mesenteric thrombosis.....	Schizophrenia, catatonic
68	M.	77	Lobar pneumonia .....	Psychosis with cerebral arteriosclerosis
69	M.	75	Meningitis .....	Senile psychosis
70	M.	23	Exhaustion of psychosis .....	Schizophrenia
71	M.	23	Influenzal bronchopneumonia ...	Schizophrenia, catatonic
72	F.	25	Lobar pneumonia .....	Epileptic psychosis
73	F.	59	Accidental death, formaldehyde poisoning .....	Epileptic psychosis
74	F.	60	Chronic myocarditis .....	Epileptic psychosis
75	M.	58	Exhaustion of œdema of lungs..	Manic depressive, manic type
76	F.	48	Uremia .....	Psychosis with encephalitis

## School for Mental Defectives

TABLE NO. 10.—GENERAL SUMMARY

	February		March		April	
	M.	F.	M.	F.	M.	F.
Number of teaching days..	15	20	19	23	14	18
Number of pupils .....	17	18	18	21	18	19
Pupil days' attendance .....	238	340	269	387	232	305
Pupil days' enrolment .....	255	360	337	447	252	342
Average attendance .....	15.87	17.0	14.05	16.83	17	16.94
Percentage .....	93.33	94.44	86.58	79.85	86.26	94.45

Ages range from 6 to 17 years.

*Classification of Pupils:*

- (a) Six boys and three girls who are able to read and write. Approximately Grade 3.
- (b) Five boys and seven girls who are beginning to learn to read, write, and do simple number work.
- (c) Six boys and five girls who are unable to do grade work, but learn simple number values, etc., and do handwork.
- (d) The remainder consists of a kindergarten group.

*Activities:*

- (a) All branches of grade work adapted to the abilities of these children.
- (b) Project Work:  
Geography, Nature, Citizenship, etc., are taught largely by projects on sandtable, booklets and simple dramatization.
- (c) Boys' Handwork:  
A workbench and tools have been obtained for boys' woodwork.  
Girls' Handwork: Sewing, embroidery, crocheting and knitting.

TABLE NO. 11.—PHYSICAL TRAINING—MENTAL DEFECTIVES

<i>Female</i>	<i>Male</i>
Number of girls daily..... 38	Number of boys daily..... 33
Exercises:	Exercises:
Ground.	Ground.
Standing.	Standing.
Pyramid building.	Ground tumbling.
Ground tumbling.	Drills, staff.
Drills, staff.	Drills, marching.
Drills, marching.	Exercises with bar.
Exercises with bar and bell, safety.	
Wand pyramid building.	
Skipping exercises.	
Games (daily):	Games:
Tennis.	Dodgeball.
Badminton.	Leap frog.
Softball.	Catchball.
Dodgeball.	Softball.
Volleyball.	
Basketball.	
Month of September:	September:
Field day sports. Races, running, etc.	Field day sports, Running, etc.
Month of December:	December:
Skating in afternoon.	Skating.

TABLE NO. 12.—MONTHLY MOVEMENT—MENTAL DEFECTIVES.

Month	Admissions		Paroles		Deaths		Elopes-ments		Deport-ations		Transfers	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1938												
May .....	11	1	..	2	..	2	..	..	..	..	..	..
June .....	7	6	1	2	..	..	..	..	..	..	..	..
July .....	5	5	1	1	1	1	..	..	..	..	1	..
August .....	6	3	1	1	..	..	..	..	..	..	..	..
September .....	3	3	1	..	1	..	..	..	..	..	..	..
October .....	5	6	2	..	1	1	1	..	..	..	1	..
November .....	8	3	2	..	..	2	..	..	..	..	..	..
December .....	6	2	1	..	1	1	..	..	..	..	..	..
1939												
January .....	4	2	..	1	1	..	..	..	..	..	1	..
February .....	4	1	..	..	2	..	..	..	..	..	..	..
March .....	3	2	1	..	2	1	..	..	..	..	..	..
April .....	5	1	1	1	..	..	..	..	..	..	..	..
Total .....	67	35	11	8	9	8	1	..	..	..	3	..
Grand total .....	102		19		17		1		..		3	

TABLE NO. 13.—AGE GROUPS—MENTAL DEFECTIVES.

Age Group	Admissions		Paroles		Deaths	
	M.	F.	M.	F.	M.	F.
1- 9 .....	14	5	5	..	2	3
10-19 .....	29	17	2	4	3	2
20-29 .....	13	8	2	3	3	3
30-39 .....	3	3	2	1	..	..
40-49 .....	4	1	1	..	..	..
50-59 .....	2	1	..	..	..	..
60-69 .....	2	..	..	..	..	..
70-79 .....	..	..	..	..	1	..
80-89 .....	..	..	..	..	..	..
90-99 .....	..	..	..	..	..	..
Totals .....	67	35	12	8	9	8
Grand total .....	102		20		17	

TABLE NO. 14.—NATIVITY OF ADMISSIONS—MENTAL DEFECTIVES.

Country	Male	Female	Country	Male	Female
Austria .....	2	1	Roumania .....	1	1
Canada .....	59	28	Russia .....	1	1
England .....	3	1	Undetermined .....	1	3
				67	35
				102	

TABLE NO. 15.—DEATHS DURING THE YEAR 1938-39

No.	Sex	Age	Immediate Cause of Death	* Predisposition
1	M.	2	Hydrocephalus, pyelitis .....	Without psychosis, mental deficiency, idiot
2	F.	4	Bronchopneumonia .....	Without psychosis, mental deficiency and epilepsy
3	F.	5	Bronchopneumonia .....	Without psychosis, mental deficiency and epilepsy
4	M.	7	Bronchopneumonia .....	Without psychosis, mental deficiency, Mongolian idiot
5	F.	8	Lung abscess .....	Without psychosis, mental deficiency, idiot
6	M.	10	Acute pulmonary tuberculosis..	Without psychosis, mental deficiency, idiot, hydrocephalus
7	M.	12	Status epilepticus .....	Without psychosis, mental deficiency, idiot with epilepsy
8	F.	14	Hydrocephalus .....	Without psychosis, mental deficiency, imbecile (congenital syphilis)
9	F.	15	Lobar pneumonia .....	Without psychosis, mental deficiency, Mongolian idiot
10	M.	17	Empyema and multiple pulmonary abscesses .....	Without psychosis, mental deficiency, idiocy with epilepsy
11	M.	22	Hydrocephalus .....	Without psychosis, mental deficiency, moron
12	F.	25	Lobar pneumonia .....	Without psychosis, mental deficiency, idiot
13	M.	26	Status epilepticus .....	Without psychosis, mental deficiency, idiot
14	F.	27	Accidental death — formaldehyde poisoning .....	Without psychosis, mental deficiency, idiot
15	F.	27	Obstruction of common bile duct .....	Without psychosis, mental deficiency, moron
16	M.	29	Bronchopneumonia .....	Without psychosis, mental deficiency, idiot
17	M.	70	Bronchopneumonia .....	Without psychosis, mental deficiency, imbecile

TABLE NO. 16.—RACIAL ORIGIN OF NEW ADMISSIONS—MENTAL DEFECTIVES.

Race	Male	Female	Race	Male	Female
Austrian .....	3	1	Mixed (Half Breed)	1	2
Czecho-Slovakian .....	1	..	Norwegian .....	2	1
English .....	18	9	Polish .....	1	..
Finnish .....	1	..	Roumanian .....	1	2
French .....	5	2	Russian .....	1	1
German .....	5	5	Scotch .....	5	2
Hungarian .....	1	..	Swedish .....	1	1
Irish .....	9	3	Ukrainian .....	3	2
Indian (N.A.) .....	..	1	Welsh .....	..	1
Jewish .....	1	..	Undetermined .....	8	2
				67	35
				102	

TABLE NO. 17.—DENTAL DEPARTMENT.

The following is a report of the work done in the dental department of the Mental Hospital at Weyburn during the fiscal year, May 1, 1938-April 30, 1939:

	Extractions	Prophylaxis	Treatments	Fillings	Plates Repaired
Female .....	769	25	....	213	6
Male .....	855	33	....	187	13
Total .....	1,624	58	....	400	19

In addition, nine full dentures were supplied to the patients, four being for females and five for males.

In view of the fact that no dental treatment had been supplied heretofore, a great improvement was noted in the cleanliness of the mouths of a certain class of patients. However, there is much to be desired along that line. When possible, new patients entering the institution are examined and the necessary work is done.

## OCCUPATIONAL SHOPS—MALE

Aeroplanes .....	22	Boodle boards .....	30
Brackets .....	79	Bench, bathroom .....	1
Brush and comb set .....	1	Benches, large .....	11
Basket, baby's .....	1	Bench, rug .....	1
Baskets, flower .....	22	Benches, small .....	16
Baskets, fancy .....	46	Cupboards .....	2
Baskets, plant .....	64	Chest of drawers .....	1
Baskets, bonbon .....	28	Clothes hampers .....	2
Basket, medicine .....	1	Clothes dryer .....	1
Barrows, toy .....	29	Coat hangers .....	30
Bookstands .....	3	Chairs, recaned .....	130
Bookcase, large .....	1	Chairs, repaired .....	14
Bed tray .....	1	Chairs, large .....	2
Bed jacket stands .....	25	Chairs, child's .....	10
Bedside tables .....	4	Cars, kiddy .....	3

## OCCUPATIONAL SHOPS—MALE—Continued

Coffee tables .....	3	Tables, small .....	4
Charlie McCarthy .....	12	Tables, large .....	4
Dressers, child's .....	10	Tables, end .....	2
Desks, writing .....	1	Tables, centre .....	2
Foot stools .....	39	Tables, child's .....	4
Fern stands .....	14	Tool cupboards .....	2
Ferneries .....	19	Trinket baskets .....	12
Fly traps .....	3	Tie racks .....	11
Furniture set, child's .....	1	Trays .....	61
Furniture sets, recaned .....	2	Tumbler trays .....	3
Furniture set, repaired .....	1	Toys .....	22
Kitchen stools .....	10	Texts .....	6
Kitchen stools, repaired .....	2	Wagon, toy .....	1
Kiddy car, repaired .....	1	Wool racks .....	2
Linen hampers .....	7	What-not .....	1
Lamp table .....	1	Pieces for National Defence De- partment .....	53
Lamp shade .....	1		
Letter racks .....	2		
Magazine stands .....	23	Repairs:	
Magazine table .....	1	Bedside tables .....	2
Match holder .....	1	Bed rest .....	1
Medicine cabinets .....	5	Baskets .....	10
Owls, toy .....	13	Brackets .....	7
Plant stools .....	2	Carriage, doll .....	1
Picture frames .....	6	Crib, doll .....	1
Paper racks .....	12	Car, kiddy .....	1
Rugs, woven .....	202	Chairs, child's .....	2
Rugs, braided .....	48	Fern stands .....	6
Reed rack .....	1	Magazine stand .....	1
Sewing baskets .....	5	Tables .....	15
Seaplanes, toy .....	4	Waste basket .....	1
Sugar and cream trays .....	8	Wagon, toy .....	1

## OCCUPATIONAL WORK—FEMALE

Afghans, knitted .....	3	Dresser scarfs .....	15
Aprons, overall .....	10	Dresses, knitted (child's) .....	9
Aprons, fancy .....	66	Dress, cap and mitts (doll's) .....	2
Aprons, peasant .....	19	Duchess sets .....	5
Aprons, child's .....	12	Guest towels .....	37
Breakfast cloths .....	14	Jackets, baby's .....	10
Bag, string .....	1	Jacket, man's .....	1
Bags, hand .....	10	Lunch sets, 5-piece .....	5
Bags, linen .....	19	Lunch sets, 13-piece .....	3
Bags, peg .....	7	Lunch sets, 7-piece .....	7
Bonnets, baby's .....	12	Lunch cloths .....	14
Bootees, baby's .....	12	Lunch cloths, cutwork .....	5
Buffet sets .....	20	Lunch cloth, cross stitch .....	1
Bed coats (pairs) .....	29	Mitts, large (pairs) .....	11
Bed jackets .....	75	Mitts, child's (pairs) .....	6
Bibs .....	35	Muffin holders .....	6
Bridge table covers .....	8	Mitts, oven (pairs) .....	5
Bedspreads, crocheted .....	3	Net table sets .....	3
Communion cloths .....	2	Pot holders and bag .....	31
Cake mats .....	65	Pot holders, fancy .....	20
Chesterfield sets .....	12	Place mats .....	12
Cushion covers .....	15	Pictures, framed .....	2
Cushion forms .....	15	Pillow cases (pairs) .....	133
Cushions, quilted .....	3	Pillows .....	3
Carnations .....	174	Purificators .....	2
Carriage cover sets .....	2	Quilt, embroidered and quilted .....	1
Carriage cover, knitted .....	1	Rompers, knitted .....	6
Carriage covers, embroidered .....	3	Runners, brown linen .....	24
Crib quilts .....	3	Runners, white embroidered .....	27
Coat hangers .....	40	Runners, radio .....	4
Centre pieces .....	3	Rugs, hooked .....	2
Curtain tie-backs (pairs) .....	2	Rugs, cross stitch .....	1
Coats, knitted (baby's) .....	9	Scarfs, organdie .....	5

## OCCUPATIONAL WORK—FEMALE—Continued

Scarfs, buffet .....	20	Tray cloths and cosy sets .....	4
Scarfs, woollen .....	2	Tray cloths and bibs, oilcloth .....	5
Scarfs and vanity sets .....	2	Tray cloths .....	28
Suits, knitted (boys') .....	5	Tea cloths, embroidered .....	15
Sweaters (child's) .....	6	Tea cloths, cotton .....	8
Sweaters (men's) .....	3	Tea cloths, organdie .....	5
Sweaters (ladies') .....	5	Table spreads .....	5
Socks (pairs) .....	25	Tumbler sets .....	2
Serviettes .....	132	Towel, bag .....	1
Shawls (baby's) .....	3	Towels, dish .....	399
Soakers .....	12	Toby jug runner .....	1
Sheets, embroidered (pairs) .....	3	Vanity sets .....	23

## SEWING ROOM

Aprons, nurses' .....	482	Dresses, cotton .....	2
Aprons, gingham .....	37	Dresser scarfs .....	72
Aprons, nurses' overall .....	36	Dressing gowns .....	108
Aprons, cooks' .....	72	Diapers .....	133
Aprons, ticking .....	74	Gowns, night .....	1,502
Aprons, barber .....	24	Gowns, X-ray .....	12
Bibs, nurses' .....	486	Hair cloths .....	48
Bibs, children's .....	84	Petticoats, baby .....	12
Bags, coffee .....	24	Princess slips .....	42
Bags, laundry .....	179	Pillow cases .....	2,398
Belts .....	190	Pyjama pants .....	9
Binders, many tailed .....	6	Pyjama coats .....	12
Bloomers .....	24	Pneumonia jackets .....	57
Covers, screen .....	25	Sheets .....	2,743
Curtains .....	90	Skirts .....	5
Curtains, X-ray .....	4	Shrouds .....	81
Caps, nurses' .....	123	Shirts, night .....	72
Caps, X-ray .....	12	Tunics .....	6
Caps, bathing .....	20	Towels .....	2,458
Covers, table .....	72	Table cloths .....	134
Dresses, baby .....	36	Uniforms .....	276

## SHOE REPAIR SHOP

Men patients: Boots and shoes repaired .....	2,367 pairs	Gum rubbers repaired .....	12 pairs
Women patients: Shoes repaired .....	1,179 "	Braces, repaired .....	22 "
Softballs repaired .....	10	Mitts, repaired .....	3 "
Hockey boots repaired and skates sharpened .....	104 "	Bed cuffs, repaired .....	3 "
		Bed cuffs, new .....	13 "
		Harness repaired .....	5 sets

## TAILOR SHOP

<i>New Work:</i>		Ward overcoats .....	197
New shirts .....	33	Ward dresses .....	15
New whitecoats .....	6	Curtains .....	64
New strong suits .....	34		
Trousers altered and braided .....	181	<i>Ward Old Clothes:</i>	
Suits, ward (altered) .....	31	Ward overalls, repaired .....	3,853
Trousers, ward (altered) .....	134	Ward shirts .....	3,456
		Ward trousers, moleskin .....	984
<i>Repairs:</i>		Ward jackets .....	227
Trousers, attendants' .....	1,720	Ward underwear, drawers .....	74
Whitecoats .....	122	Ward underwear shirts .....	64
Ward suits .....	289	Ward sweaters .....	111
Ward trousers .....	551	Kitchen aprons .....	224



## MATTRESS SHOP

<i>New Work:</i>		Bags, laundry .....	92
Aprons .....	37	Bath covers .....	83
Awnings .....	102	Bath hammocks .....	127
Bath covers .....	26	Barber chair backs .....	6
Bath hammocks .....	83	Couches .....	38
Blankets, hemmed .....	400	Covers, extractor .....	23
Bags, laundry .....	28	Covers, engine .....	3
Blinds, roller .....	46	Casings, mattress .....	186
Compress wringers .....	35	Casings, pillow .....	76
Cushions .....	10	Comforters .....	5
Covers, extractor .....	12	Chair seats .....	14
Covers, ironing board .....	6	Cushion casings .....	6
Curtains .....	482	Cushions refilled .....	125
Kneelers .....	24	Casings, crib mattress .....	4
Mattresses, wool .....	75	Casings, strong mattress .....	37
Mattresses, crib .....	4	Chesterfield cushion .....	1
Pillow slips, rubber .....	6	Curtains .....	18
Pillows .....	72	Foot stools .....	87
Pillows, pack .....	12	Helmets .....	1
Sheets, rubber .....	720	Kneelers .....	40
Sheets, strong .....	102	Mattresses, refilled .....	5,042
Slings .....	3	Mattresses, strong .....	1,620
Sides, bed .....	6	Pillows refilled .....	1,387
Sides, cot .....	6	Pool tables recovered .....	8
Tarpaulins .....	3	Rugs .....	20
		Springs, bed .....	425
<i>Repair Work:</i>		Sheets, strong .....	153
Aprons .....	8	Sides, crib .....	7
Blinds, roller .....	564	Sides, bed .....	19
		Valance .....	1

## INDUSTRIAL OCCUPATION

This report shows the work which has been carried out in the Industrial Occupation Department for the fiscal year 1938-39.

1. A toaster was installed in the kitchen.
2. The attic of the store was floored for storage space, also a stairway built to the attic and wired.
3. Several changes were made in the operating room, including a sterilizing room, anæsthetic room, and a doctors' dressing room.
4. All the outside electric wires have been overhauled.
5. A complete new wooden ramp has been installed to the store doorway.
6. A complete diet kitchen has been installed in the main kitchen with stove and sink.
7. A new cake mixer has been installed in the bakeshop.
8. A complete dentist's office has been installed.
9. A new X-ray unit has been installed with all auxiliary equipment including transformer in the basement.
10. The electrical treatment room has been remodelled.
11. Several cement sidewalks have been laid around the institution this year.
12. Considerable painting has been done and the colour scheme somewhat changed.
13. A new chimney or air vent was built this year.
14. Considerable shelving has been done in the wards.
15. A new soiled-linen room was built in the attic to accommodate 1D ward.
16. A number of changes were made in 1D ward.
17. A new refrigerating room was built with three complete boxes and also an ice-making plant installed.
18. Considerable outside lighting has been done at the rear of the hospital buildings.

19. The basement of the laundry building has been changed so as to accommodate the tailor shop, mattress shop and upholsterer.
20. The laboratory was moved to the basement and changes made there also.
21. The dispensary has been completely remodelled.
22. Changes have been made in the laundry room, especially in the ironing room to meet the increasing demands.
23. Several rough buildings have been built at the farm for the piggery department.
24. Diet kitchen stoves were installed on three wards.
25. A wall was erected in a room adjoining the power house to furnish a blacksmith shop.
26. New doors were built and installed in the main garage.
27. Four chimneys were rebuilt at the cottages.
28. Kitchen cupboards were built on 2B ward.
29. A tracing board was made for the lecture room.
30. Considerable shelving has been installed in the laundry sorting room in the basement of the administration building.
31. A great many changes have been made, due to bad water conditions, in both heating and water pipes.
32. Two complete manholes have been built to facilitate cleaning sewers in the basement wards.
33. A retaining wall and gutter were built in front of the annex building.
34. A partition was installed and a door changed in the checking room.
35. Storm sashes were installed on 2B verandah.
36. A new diet kitchen was installed on 1D ward.
37. Doors were installed on cupboards on 6B ward.
38. A plastic floor was laid in the pasteurizing room.
39. The cement floor on 2B diet kitchen was repaired.
40. A concrete slab was built at the rear of one of the cottages.
41. A kitchen cabinet was installed in the kitchen of the officers' quarters.
42. The laundry building roof was repaired.
43. Repairs were effected to the gutters on the main building.
44. The wagon scales were removed to a more convenient location.
45. Four small stoves were installed in the staff quarters for accommodation of the staff.

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*(For annual report on Mental Hospital Farm, Gardens, Grounds and Greenhouses, see Annual Report of the Department of Public Works.)*

## The Psychopathic Ward

GENERAL HOSPITAL,  
REGINA, October 5, 1939.

DR. J. W. MACNEILL,  
*Commissioner of Mental Services,*  
North Battleford, Sask.

SIR:

Herewith I am submitting a report on the work of the Psychopathic Ward for the year ended December 31, 1938.

In this year we admitted, as you will note by Schedule No. 1, 201 patients, and there were in the hospital on January 1, 1938, 18 patients, making a total of 219 patients who were treated in this ward during the year. The total number of hospital days for the year was 6,221 and the average length of stay per patient was 28.4 days. Of this number of patients 119 returned to their homes improved and six went home unimproved. There were 22 patients who were admitted for the purpose of diagnosis, and these were admitted for various reasons, usually pending an inquiry. During the year we transferred to the Mental Hospital forty-four patients, and five were transferred to the General Hospital for treatment of some physical condition. There were four deaths of patients undergoing treatment here, and we were able to obtain permission for a post-mortem in three of these cases. However, in the fourth case the patient had been undergoing treatment in another hospital, where his condition was fully diagnosed, and although permission was asked from the friends, it was not obtained.

There were 19 patients remaining in the ward on December 31, 1938, and this completes the number of patients dealt with, namely, 219.

Yours very truly,

O. E. ROTHWELL, M.D.,  
*Director.*

TABLE NO. 1.—DISPOSITION OF PATIENTS.

Patients in hospital January 1, 1938.....	18
Patients admitted during the year .....	201
	<hr/>
Total cases dealt with during the year.....	219
	<hr/>
Discharges:	
Returned home, improved .....	119
Returned home, unimproved .....	6
In for observation and diagnosis only.....	22
	<hr/>
	147
Transferred to R.G.H. for further treatment.....	5
Transferred to Mental Hospital .....	44
Patients died in Psychopathic Ward .....	4
Patients in hospital, December 31, 1938.....	19
	<hr/>
	72
	<hr/>
	219
	<hr/>

TABLE NO. 2.—DEATHS.

No.	Age	Sex	Cause of death	Predisposition
1452	70	M.	Coronary thrombosis....	Chronic interstitial nephritis. No P.M. obtained.
1453	59	M.	Cerebral edema .....	Glioblastoma of corpus callosum. P.M. obtained.
1468	58	F.	Bronchopneumonia .....	Chronic glomerulo-nephritis. P.M. obtained.
1494	75	M.	Pulmonary embolism....	Carcinoma of the ileum with metastases. P.M. obtained.

TABLE NO. 3.—AGES OF PATIENTS.

1 to 14 years	15 to 34 years	35 to 54 years	From 55 years on
.....	2.....15 years	1.....35 years	4.....55 years
.....	2.....16 "	5.....36 "	6.....56 "
.....	4.....17 "	4.....37 "	4.....57 "
.....	1.....18 "	6.....38 "	7.....58 "
.....	1.....19 "	5.....39 "	1.....59 "
.....	2.....20 "	2.....40 "	3.....60 "
.....	4.....21 "	8.....41 "	2.....62 "
.....	1.....22 "	2.....42 "	1.....63 "
.....	5.....23 "	3.....43 "	4.....64 "
.....	8.....24 "	2.....44 "	2.....65 "
.....	3.....25 "	3.....45 "	1.....66 "
.....	4.....26 "	5.....46 "	2.....67 "
.....	3.....27 "	3.....47 "	2.....68 "
.....	7.....28 "	3.....48 "	2.....70 "
.....	9.....29 "	4.....49 "	1.....72 "
.....	9.....30 "	3.....50 "	2.....73 "
.....	3.....31 "	4.....51 "	2.....74 "
.....	4.....32 "	4.....52 "	1.....75 "
.....	4.....33 "	2.....53 "	1.....77 "
.....	4.....34 "	2.....54 "	1.....83 "
.....			1.....86 "
.....	80	71	50
.....	Total.....201		

TABLE NO. 4.—CLASSIFICATION OF MENTAL DISEASES.

	Male	Female
1. Traumatic psychoses .....	..	1
2. Senile psychoses .....	6	5
3. Psychoses with cerebral arteriosclerosis .....	2	3
4. General paresis .....	2	1
5. Psychoses with cerebral syphilis .....	4	..
6. Psychoses with Huntingdon's chorea .....	..	..
7. Psychoses with brain tumour .....	3	..
8. Psychoses with brain or nervous disease .....	2	1
9. Alcoholic psychoses .....	5	..
10. Psychoses due to drugs or other exogenous toxins .....	1	..
11. Psychoses with pellagra .....	..	..
12. Psychoses with other somatic disease .....	3	7
13. Manic depressive psychoses—		
(a) Manic .....	6	..
(b) Depressive .....	4	3
(c) Other types .....	..	..
14. Involutional melancholia .....	3	17
15. Dementia præcox .....	29	29
16. Paranoia and paranoid conditions .....	..	..
17. Epileptic psychoses .....	2	..
18. Psychoneuroses and neuroses—		
(a) Hysteria .....	2	9
(b) Psychasthenia .....	11	3
(c) Neurasthenia .....	..	..
(d) Other types .....	6	8
19. Psychoses with psychopathic personality .....	..	1
20. Psychoses with mental deficiency .....	..	1
21. Undiagnosed psychoses .....	..	1
22. Without psychosis .....	16	4
	<u>107</u>	<u>94</u>

201

TABLE NO. 5.—MOVEMENT OF PATIENTS, JANUARY 1, 1938, TO DECEMBER 31, 1938.

Month	Admissions		Re-admissions		Discharges		Transfers		Deaths	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
January .....	6	7	..	1	3	4	2	5	..	..
February .....	8	12	1	4	4	5	1	5	..	..
March .....	7	8	..	..	3	9	3	2	..	..
April .....	11	6	2	..	9	8	3	1	..	..
May .....	4	12	1	3	3	8	..	3	..	..
June .....	11	14	..	4	10	7	5	4	..	..
July .....	11	4	1	..	5	5	..	3	2	..
August .....	8	6	1	..	8	4	1	..	..	1
September .....	10	6	..	2	7	5	2	2	..	..
October .....	6	8	..	1	10	6	1	1	..	..
November .....	7	9	..	1	5	6	..	..	1	..
December .....	12	8	..	2	11	7	..	..	..	..
Total .....	101	100	6	18	78	74	18	26	3	1

# Registrar General

REGINA, SASK., *January 16, 1940.*

DR. R. O. DAVISON,  
*Deputy Minister and Registrar General.*

SIR,—

I have the honour to submit herewith the report of the Registrar General for the calendar year 1938.

As in past years, the Dominion Bureau of Statistics was supplied with transcripts of all birth, marriage and death records. A number of the tables in this report were prepared from these transcripts by the Ottawa office and are the same as the tables published in the Dominion Report of Vital Statistics.

Respectfully submitted,

D. K. LAFLAMME,  
*Supervisor.*

## ESTIMATED POPULATION, 1938.

The estimated population of Saskatchewan at June 1, 1938, was 941,000, an increase of 2,000 over 1937. These figures were supplied by the Dominion Bureau of Statistics.

TABLE 1.—ESTIMATED POPULATION OF SASKATCHEWAN BY MUNICIPALITIES, 1938.

Urban population .....	179,529	Villages .....	73,755
Rural population .....	761,471	Rural municipalities .....	657,787
Cities .....	147,573	Province .....	941,000
Towns .....	61,885		

NOTE.—Cities and towns with a population of 1,000 or over are classified as urban centres.

TABLE 2.—ESTIMATED POPULATION OF THE CITIES OF SASKATCHEWAN, 1938.

Moose Jaw .....	20,017	Swift Current .....	5,129
North Battleford .....	4,770	Weyburn .....	5,395
Prince Albert .....	11,168	Yorkton .....	4,984
Regina .....	53,927		
Saskatoon .....	42,183	Total .....	147,573

TABLE 3.—ESTIMATED POPULATION OF SASKATCHEWAN BY SEX AND AGE PERIODS, 1938.

Age period	Male	Female	Total
Under five years .....	47,924	46,749	94,673
Five to nine years .....	52,533	50,883	103,416
Ten to fourteen years .....	54,439	52,665	107,104
Fifteen to nineteen years .....	53,242	52,533	105,775
Twenty to twenty-nine years .....	85,241	77,990	163,231
Thirty to thirty-nine years .....	61,143	51,808	112,951
Forty to forty-nine years .....	61,474	46,398	107,872
Fifty to fifty-nine years .....	50,972	32,850	83,822
Sixty to sixty-nine years .....	24,087	15,693	39,780
Seventy to seventy-nine years .....	10,177	7,671	17,848
Eighty and over .....	2,309	2,001	4,310
Unknown .....	145	73	218
<b>Total .....</b>	<b>503,686</b>	<b>437,314</b>	<b>941,000</b>

## DOMINION TABLES

A number of Dominion tables, giving various rates for all the provinces, are included. Excepting those for Saskatchewan, the figures have all been taken from the Preliminary Annual Report, Vital Statistics of Canada, 1938, and are subject to final revision.

These figures indicate this province as having the fourth lowest birth rate; the lowest marriage rate, which is shared by Prince Edward Island, and the lowest death rate.

Saskatchewan is also shown as having the lowest rates for the following important causes of death: tuberculosis, cancer, heart diseases, diseases of the arteries, pneumonia, nephritis and automobile accidents.

TABLE 4.—ESTIMATED POPULATION AS AT JUNE 1, 1938.

Canada .....	11,195,000	Ontario .....	3,731,000
Prince Edward Island .....	94,000	Manitoba .....	720,000
Nova Scotia .....	548,000	Saskatchewan .....	941,000
New Brunswick .....	445,000	Alberta .....	783,000
Quebec .....	3,172,000	British Columbia .....	761,000

TABLE 5.—NATURAL INCREASE IN THE DOMINION PER 1,000 POPULATION, 1926-1938.

Year	Canada	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
1926-1930..	13.0	8.7	9.0	13.3	17.0	9.8	13.4	17.4	15.8	6.9
1931-1935..	11.7	10.8	10.3	13.7	15.5	8.2	11.7	15.4	14.8	5.1
1936.....	10.3	10.4	11.0	13.2	14.0	6.7	9.4	13.8	12.4	4.5
1937.....	9.6	10.2	10.2	11.7	12.8	6.2	9.5	12.5	12.4	4.4
1938.....	11.0	10.1	11.1	14.7	14.3	7.7	10.5	12.9	12.8	6.5

TABLE 6.—BIRTHS IN THE DOMINION (EXCLUSIVE OF STILLBIRTHS)  
RATE PER 1,000 POPULATION, 1926-1938.

Year	Canada	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
1926-1930..	24.1	19.7	21.4	25.8	30.5	21.0	21.7	24.7	24.2	16.2
1931-1935..	21.4	22.1	22.0	24.9	26.6	18.3	19.3	21.9	22.1	14.0
1936.....	20.0	21.5	22.0	24.2	24.3	16.9	18.1	20.5	20.4	14.1
1937.....	19.8	22.5	21.4	24.0	24.1	16.6	18.0	19.9	20.4	15.0
1938.....	20.5	21.0	22.2	25.7	24.6	17.6	18.7	19.4	20.3	16.3

TABLE 7.—MARRIAGES IN THE DOMINION. RATE PER 1,000 POPULATION, 1926-1938.

Year	Canada	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
1926-1930..	7.3	5.4	6.3	7.4	6.9	7.8	7.5	7.0	8.0	7.5
1931-1935..	6.4	5.6	6.8	6.5	5.8	6.8	7.1	6.1	7.4	6.0
1936.....	7.3	6.5	7.7	7.8	7.0	7.5	8.1	6.6	7.8	7.3
1937.....	7.9	6.3	8.0	8.3	7.9	8.1	8.5	6.2	8.2	8.2
1938.....	7.9	6.3	7.5	7.6	7.9	8.1	8.7	6.3	8.9	8.1

TABLE 8.—DEATHS IN THE DOMINION. RATE PER 1,000 POPULATION, 1926-1938.

Year	Canada	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
1926-1930..	11.1	11.0	12.4	12.5	13.5	11.2	8.3	7.3	8.4	9.3
1931-1935..	9.7	11.3	11.7	11.2	11.1	10.1	7.6	6.5	7.3	8.9
1936.....	9.7	11.1	11.0	11.0	10.3	10.2	8.7	6.8	8.0	9.6
1937.....	10.2	12.3	11.2	12.3	11.3	10.4	8.5	7.4	8.0	10.6
1938.....	9.5	10.9	11.1	11.0	10.3	9.9	8.2	6.5	7.5	9.8

TABLE 9.—DEATH RATE PER 100,000 POPULATION IN DOMINION  
FROM CERTAIN SPECIFIED CAUSES, 1938.

Province	23-32 Tuberculosis	45-53 Cancer	82 Cerebral Hemorrhage	90-95 Heart Disease	96-97-99-102 Diseases of the Arteries	107-109 Pneumonia and Bronchopneumonia	130-132 Nephritis	186e Automobile Accidents
Prince Edward Island	86.2	146.8	29.8	152.1	102.1	109.6	88.3	6.4
Nova Scotia .....	75.2	125.2	34.5	158.4	105.7	89.6	61.7	13.7
New Brunswick .....	76.7	103.6	36.2	152.6	88.1	114.2	42.2	13.0
Quebec .....	82.5	100.6	13.6	130.2	57.9	64.8	90.9	13.0
Ontario .....	33.2	119.8	21.1	197.1	127.1	66.8	50.9	18.1
Manitoba .....	48.5	107.5	11.3	133.5	83.5	56.7	30.1	11.1
Saskatchewan .....	28.8	68.1	12.1	105.3	53.9	45.6	28.6	5.2
Alberta .....	35.8	87.1	13.0	114.3	58.1	62.3	31.0	9.8
British Columbia .....	70.3	129.7	15.5	177.4	99.2	59.5	48.5	14.5



TABLE 10.—INFANT MORTALITY IN THE DOMINION. RATE PER 1,000 LIVING BIRTHS, 1926-1938.

Year	Canada	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
1926-1930..	93	71	85	101	127	74	72	73	75	55
1931-1935..	75	67	73	82	98	61	61	62	60	46
1936.....	66	69	66	77	83	55	61	54	60	44
1937.....	76	73	70	101	100	55	64	67	63	56
1938.....	63	57	61	75	83	50	56	52	51	45

TABLE 11.—MATERNAL MORTALITY IN THE DOMINION. RATE PER 1,000 LIVING BIRTHS, 1926-1938.

Year	Canada	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
1926-1930..	5.7	4.6	5.5	6.2	5.2	5.8	5.6	5.9	6.6	6.1
1931-1935..	5.1	5.1	5.1	5.5	5.1	5.3	4.4	4.5	4.5	5.3
1936.....	5.6	5.6	4.3	6.6	6.0	5.7	5.4	4.5	5.8	4.7
1937.....	4.9	5.7	3.0	3.7	5.2	5.2	4.3	4.6	4.8	4.5
1938.....	4.2	2.5	4.2	4.6	5.2	3.8	2.9	2.5	4.3	3.9

TABLE 12.—ILLEGITIMATE BIRTHS (STILLBIRTHS EXCLUDED) IN THE DOMINION. PER CENT. OF ALL LIVE BIRTHS, 1926-1938.

Year	Canada	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
1926-1930..	3.01	2.4	5.1	2.9	2.8	3.2	3.5	2.3	3.0	2.3
1931-1935..	3.65	3.8	5.7	3.6	3.1	4.2	3.7	3.2	3.7	3.3
1936.....	3.92	3.4	6.1	3.9	3.3	4.5	3.8	3.7	3.8	3.6
1937.....	3.89	3.0	6.0	3.6	3.2	4.5	3.7	3.5	3.9	3.9
1938.....	4.01	4.5	6.4	3.8	3.2	4.7	3.7	3.5	4.3	4.1

TABLE 13.—STILLBIRTHS IN THE DOMINION. PERCENTAGE OF TOTAL BIRTHS, 1926-1938.

Year	Canada	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.
1926-1930..	3.1	2.4	3.2	2.7	2.6	3.9	3.2	2.5	2.8	2.8
1931-1935..	2.9	3.3	3.4	2.8	2.9	3.4	2.7	2.3	2.5	2.4
1936.....	2.8	3.4	2.4	2.2	3.0	3.2	2.5	2.2	2.3	2.1
1937.....	2.8	2.9	2.5	2.5	3.0	3.1	2.6	2.1	2.2	2.1
1938.....	2.7	3.0	2.8	2.7	2.9	3.0	2.5	2.0	2.2	2.0

### BIRTHS

A further decline in births in Saskatchewan was recorded, the 1938 rate being 19.4 per 1,000 of population. A total number of 18,230 living births was recorded, this being a decrease of 410 from 1937.

The average number of children to each family reporting a birth showed a slight decrease, from 3.7 per family in 1937 to 3.6 per family in 1938.

Of the living births, 641, or 3.5 per cent., were illegitimate.

The percentage of fathers born in Canada was 55.3, and of mothers 70.6.

TABLE 14.—BIRTH, MARRIAGE AND DEATH RATES FOR THE PROVINCE, 1914-1938.  
(Stillbirths Excluded).

Year	Total births	Rate per 1,000	Total marriages	Rate per 1,000	Total deaths	Rate per 1,000
1914-1920.....	139,311	30.0	35,026	7.5	41,320	8.9
1921-1925.....	107,767	26.9	24,870	6.2	30,964	7.7
1926-1930.....	106,489	24.7	30,182	7.0	31,281	7.3
1931-1935.....	101,623	21.9	28,398	6.1	30,184	6.5
1936.....	19,125	20.5	6,168	6.6	6,314	6.8
1937.....	18,640	19.9	5,790	6.2	6,927	7.4
1938.....	18,230	19.4	5,893	6.3	6,079	6.5

TABLE 15.—BIRTHS AND DEATHS, 1929-1938, AND NATURAL INCREASE PER 1,000.  
(Stillbirths Excluded).

Year	Estimated Population	Male births	Female births	Total births	Per cent. increase or decrease	Male births per 1,000 females	Total deaths	Natural increase per 1,000
1929	883,000	11,002	10,444	21,446	I. 1.9	1,053	6,715	16.7
1930	903,000	11,407	10,644	22,051	I. 1.28	1,072	6,309	17.4
1931	921,785	10,942	10,389	21,331	D. 3.3	1,053	6,066	16.5
1932	933,000	10,687	10,127	20,814	D. 2.4	1,055	6,044	15.8
1933	932,000	10,353	9,792	20,145	D. 3.2	1,057	6,024	15.1
1934	932,000	10,175	9,589	19,764	D. 1.9	1,061	5,924	14.8
1935	931,000	10,063	9,506	19,569	D. 1.0	1,059	6,126	14.4
1936	931,000	9,839	9,286	19,125	D. 2.3	1,060	6,314	13.8
1937	939,000	9,526	9,114	18,640	D. 2.5	1,045	6,927	12.5
1938	941,000	9,381	8,849	18,230	D. 2.2	1,060	6,079	12.9

TABLE 16.—URBAN AND RURAL BIRTHS AND RATE PER 1,000, 1929-1938.  
(By Place of Residence. Stillbirths Excluded).

Year	Urban births	Rate per 1,000	Rural births	Rate per 1,000	Province births	Rate per 1,000
1929.....	4,066	26.3	17,380	24.4	21,446	24.3
1930.....	4,317	27.8	17,734	24.4	22,051	24.4
1931.....	3,954	21.2	17,377	23.6	21,331	23.1
1932.....	3,399	18.0	17,415	23.4	20,814	22.3
1933.....	3,129	16.6	17,016	22.9	20,145	21.6
1934.....	3,015	16.1	16,749	22.5	19,764	21.2
1935.....	2,881	15.3	16,688	22.5	19,569	21.0
1936.....	2,786	15.7	16,339	21.7	19,125	20.5
1937.....	2,936	16.4	15,704	20.7	18,640	19.9
1938.....	2,804	15.6	15,426	20.3	18,230	19.4

TABLE 17.—BIRTHS IN CITIES, 1938. (BY PLACE OF RESIDENCE. STILLBIRTHS EXCLUDED).

Month	Moose Jaw	North Battleford	Prince Albert	Regina	Saskatoon	Swift Current	Weyburn	Yorkton
January	30	10	19	79	50	9	3	8
February	26	7	18	66	42	7	2	2
March	33	5	22	88	43	10	7	9
April	25	8	16	78	51	8	5	12
May	26	7	13	80	51	12	4	12
June	18	5	16	72	34	2	5	4
July	26	3	18	67	26	7	9	4
August	36	9	23	92	58	5	7	3
September	30	5	20	76	41	8	6	4
October	23	7	22	91	38	6	3	11
November	25	3	25	77	48	4	7	9
December	28	5	16	74	51	5	8	7
Male	172	41	135	486	269	38	39	43
Female	154	33	93	454	264	45	27	42
Total	326	74	228	940	533	83	66	85
Rate	16.3	15.5	20.4	17.4	12.6	16.2	12.2	17.1

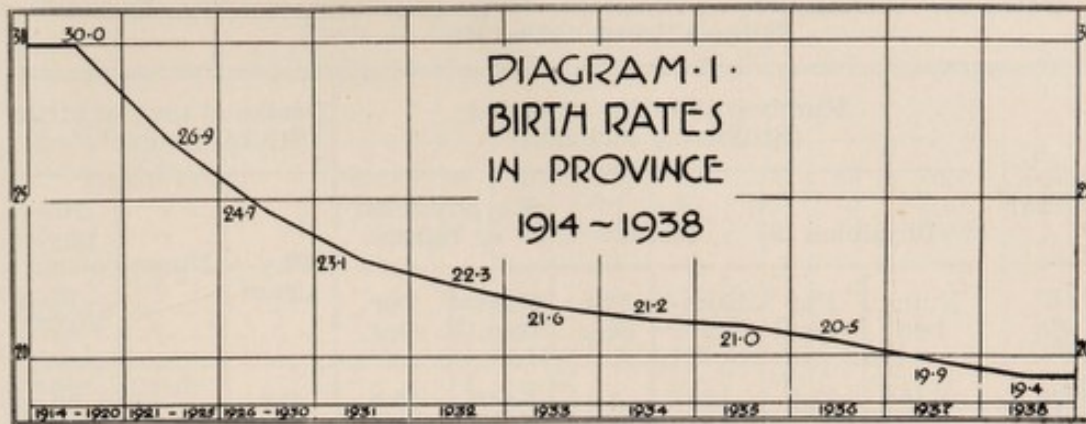


TABLE 18.—PLURAL BIRTHS CLASSIFIED TO SHOW THE NUMBER OF CHILDREN BORN ALIVE AND STILLBORN BY SEX, 1938.

Classification of births	Total
Twin births .....	249
Two males (both living) .....	74
One male and one female (both living) .....	84
Two females (both living) .....	67
One male living and one male stillborn .....	12
One male living and one female stillborn .....	4
One male stillborn and one female living .....	1
One female living and one female stillborn .....	3
Two males (both stillborn) .....	1
One male and one female (both stillborn) .....	1
Two females (both stillborn) .....	2
Total multiple births .....	No. 249
M. .....	264
F. .....	234
Total single live births .....	No. 17,760
M. .....	9,133
F. .....	8,627
Total single stillbirths .....	No. 342
M. .....	196
F. .....	146
Total confinements .....	18,351

TABLE 19.—ATTENDANTS AT BIRTH AND NUMBER OF CHILDREN WHO DIED AT BIRTH, 1929-1938.

Year	Number of births attended (Stillbirths included)						Deaths at time of birth (Stillbirths excluded)		
	Physician		Nurse		No physician or nurse		Physician	Nurse	No physician or nurse
	Number	Per cent.	Number	Per cent.	Number	Per cent.			
1929....	16,150	73.4	225	1.0	5,619	25.5	259	....	50
1930....	16,583	73.4	225	1.0	5,790	25.6	304	....	55
1931....	16,256	74.2	252	1.2	5,400	24.6	266	....	44
1932....	14,946	70.1	266	1.2	6,127	28.7	284	....	63
1933....	14,426	69.9	300	1.5	5,886	28.6	201	....	58
1934....	14,054	71.1	319	1.6	5,391	27.3	173	....	54
1935....	14,942	74.8	390	2.0	4,622	23.2	175	....	39
1936....	15,126	77.3	257	1.3	4,173	21.4	172	....	23
1937....	15,470	81.3	193	1.0	3,375	17.7	184	1	14
1938....	14,959	82.1	190	1.0	3,081	16.9	149	....	12

TABLE 20.—ILLEGITIMATE BIRTHS IN PROVINCE, 1914-1938 (Stillbirths included).

Year	Male	Female	Total	Rate per 1,000 of population	Rate per 1,000 births
1914-1920.....	512	532	1,044	.2	7.5
1921-1925.....	674	695	1,369	.4	12.7
1926-1930.....	1,309	1,178	2,487	.6	22.8
1931-1935.....	1,774	1,669	3,443	.7	33.9
1936.....	387	340	727	.8	37.2
1937.....	332	341	673	.7	35.4
1938.....	344	321	665	.7	35.8

TABLE 21.—RACIAL ORIGIN AND AGE OF MOTHERS OF ILLEGITIMATE CHILDREN BORN IN 1938 (Stillbirths included).

Racial origin	Age of mothers by period								Total
	Under 15	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	Age Un- known	
English .....	2	34	38	21	7	..	2	..	104
Irish .....	..	20	20	10	1	2	1	..	54
Scotch .....	1	17	35	8	5	4	..	..	70
Other British .....	..	1	..	..	..	1	..	..	2
French .....	1	18	27	8	1	..	..	..	55
Austrian .....	..	1	1	2	..	1	..	..	5
Danish .....	..	..	1	..	..	..	..	..	1
Dutch .....	..	1	1	1	2	..	..	..	5
German .....	1	34	49	17	2	2	2	..	107
Hungarian .....	..	..	1	1	..	..	..	..	2
Icelandic .....	..	2	1	..	..	..	..	..	3
Indian .....	..	15	19	20	8	11	4	1	78
Norwegian .....	..	5	12	3	5	..	1	..	26
Polish .....	..	5	6	3	3	..	..	..	17
Roumanian .....	..	1	6	1	..	..	..	..	8
Russian .....	..	9	3	4	1	3	..	..	20
Swedish .....	..	8	9	3	..	..	..	..	20
Ukrainian .....	..	18	25	14	10	5	2	..	74
Others .....	..	3	4	3	1	2	..	1	14
<b>Total .....</b>	<b>5</b>	<b>192</b>	<b>258</b>	<b>119</b>	<b>46</b>	<b>31</b>	<b>12</b>	<b>2</b>	<b>665</b>

TABLE 22.—PERCENTAGE OF PARENTS CANADIAN BORN, 1926-1938. (Legitimate births).

	1926- 1930	1931- 1935	1936	1937	1938
Fathers .....	37.5	43.6	50.4	53.5	55.3
Mothers .....	44.3	54.8	64.7	68.6	70.6

TABLE 23.—BIRTHS—OCCUPATION OF FATHERS, 1938.

Occupation	Total
Owners, managers, etc.....	567
Office employees (including government and municipal)	269
Labourers .....	2,075
Farmers .....	11,397
Fishermen .....	27
Hunters and trappers .....	249
Shantymen .....	15
Miners .....	95
Factory employees .....	709
Construction .....	260
Transportation and public utilities .....	618
Trade and finance .....	475
Professional service .....	409
Recreational service .....	19
Customs and repairs .....	50
Personal service .....	234
Miscellaneous .....	107
No occupation .....	9
Occupation not available.....	5
<b>Total .....</b>	<b>17,589</b>

TABLE 24.—BIRTHS SHOWING THE AGES OF MOTHERS BY PERIODS AND NUMBER OF CHILDREN (including stillbirths), 1938.

Age	Number of children	Percentage of total births
Under 15 years	5	..... <sup>(1)</sup>
15-19 years .....	1,141	6.1
20-24 years .....	5,181	27.9
25-29 years .....	5,304	28.5
30-34 years .....	3,647	19.6
35-39 years .....	2,298	12.4
40-44 years .....	895	4.8
45 years and over .....	122	0.7
Age unknown....	7	..... <sup>(1)</sup>
<b>Total .....</b>	<b>18,600</b>	<b>100.0</b>

<sup>(1)</sup> Less than 0.1 per cent.

TABLE 25.—BIRTHS, SHOWING THE NUMBER OF CHILDREN AND NATIVITY OF MOTHERS (including stillbirths), 1938.

Number of children	Total	Nativity of mothers				
		Canadian	British	American	Others	Unknown
1st child.....	4,978	4,299	186	224	264	5
2nd " .....	3,895	3,089	175	291	338	2
3rd " .....	2,631	1,870	182	246	333	..
4th " .....	1,843	1,216	130	180	317	..
5th " .....	1,346	785	85	177	298	1
6th " .....	1,025	594	66	130	234	1
7th " .....	796	429	55	131	180	1
8th " .....	573	298	37	74	164	..
9th " .....	453	206	22	71	154	..
10th " .....	342	150	19	50	123	..
11th " .....	280	137	13	36	93	1
12th " .....	173	73	5	29	66	..
13th " .....	108	35	4	19	50	..
14th " .....	76	28	3	7	38	..
15th " .....	25	14	1	1	9	..
16th " .....	23	4	1	1	17	..
17th " .....	15	4	1	3	7	..
18th " .....	8	4	..	..	4	..
19th " .....	4	1	..	..	3	..
20th " .....	2	1	..	..	1	..
21st " .....	1	1	..	..	..	..
Not given ....	3	1	..	..	..	2
<b>Total .....</b>	<b>18,600</b>	<b>13,239</b>	<b>985</b>	<b>1,670</b>	<b>2,693</b>	<b>13</b>

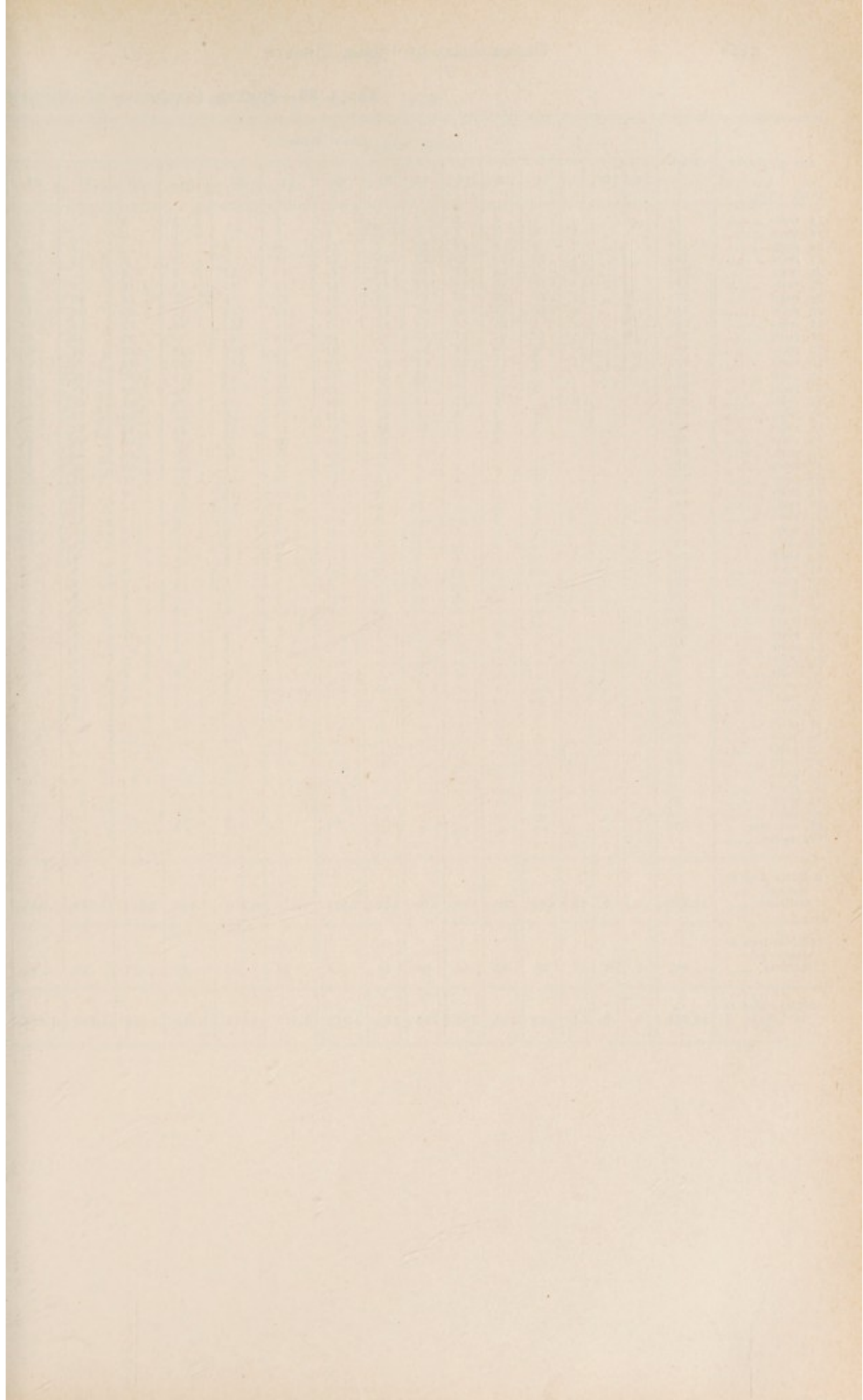




TABLE 26.—BIRTHS (exclusive of stillbirths)

Age of Father	Total	Age of Mother															
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
18 years	10				1	3	2	2				1	1				
19 years	26			1	2	7	6	3	3	2		1					1
20 years	76			2	3	8	16	16	7	11	6	2					
21 years	193			4	10	16	45	29	38	17	17	8	5	3	1		
22 years	267			3	9	24	32	46	48	41	27	17	9	6		3	2
23 years	438		2	4	11	40	52	72	61	67	44	43	15	11	7	2	5
24 years	571			2	13	30	52	67	70	85	91	85	32	14	13	8	3
25 years	687			6	10	25	48	65	87	76	108	84	77	40	28	14	5
26 years	769			1	5	25	48	53	83	91	102	111	89	72	39	20	13
27 years	865				14	34	31	49	94	90	116	93	94	90	65	43	19
28 years	957				6	16	35	54	84	97	99	109	88	103	88	83	39
29 years	950		1	1	5	11	38	57	52	87	90	114	107	79	79	86	60
30 years	964				1	12	24	42	54	70	70	94	119	107	82	84	70
31 years	883			1	3	12	17	33	39	50	63	49	85	88	87	75	83
32 years	898			2		6	17	17	35	60	62	69	74	89	81	71	81
33 years	821				2	4	9	15	22	32	46	59	69	56	78	90	80
34 years	827				1	4	7	18	21	31	36	52	44	62	71	68	84
35 years	735				1	4	4	7	17	20	35	38	37	49	39	52	61
36 years	677					4	9	11	12	20	18	33	35	56	44	43	34
37 years	672				2	3	5	5	7	22	18	28	45	32	45	46	38
38 years	688				1	1	1	4	5	17	16	29	25	34	35	55	30
39 years	475						2	1	4	8	11	10	19	19	13	29	36
40 years	481					2		2	1	3	9	12	13	15	11	13	26
41 years	374			1	2	1			2	6	8	1	9	14	13	18	14
42 years	461						2	1	3	3	8	6	13	13	13	16	14
43 years	421					1		1	4	3	2	4	7	7	13	10	11
44 years	361			1			1	3	2	2	3	2	1	6	9	9	8
45 years	338							1	4	1	1	4	7	8	5	7	9
46 years	277							1		2	4	5	3	5	5	9	7
47 years	233					1	1			3	3	2	2	6	6	6	10
48 years	243									4		2	3	4	2	5	6
49 years	200									1			4	3	4	5	7
50 years	182					2	1	1	1			3	4	5	2	8	3
51 years	82				1					2	1	4	1		1	4	
52 years	99										1	1		2	4	2	3
53 years	90									1		3	2	1	1	1	1
54 years	62								1		1		2	1	2	2	
55 years	62									1			1	1	2	2	1
56 years	30										1	2			1	1	1
57 years	30									1						1	
58 years	16															1	
59 years	21															2	2
60 years	18									1	1					3	
61 years	8								1			1					
62 years	7												1				
63 years	11																1
64 years	4										1						
65 and over	23									1			3				3
Not stated	6						1		1	1					1		
Children born to married mothers	17,589		3	29	103	296	506	678	861	1,031	1,118	1,180	1,149	1,097	989	997	871
Children born to unmarried mothers	641	5	6	25	33	62	59	68	50	43	55	26	38	26	16	23	14
Children born to all mothers	18,230	5	9	54	136	358	565	746	911	1,074	1,173	1,206	1,187	1,123	1,005	1,020	885





TABLE 28.—LEGITIMATE BIRTHS (exclusive of stillbirths) CLASSIFIED ACCORDING TO AGE AND BIRTHPLACE OF MOTHERS, 1938.

Birthplace of mother	Total	Age of Mother																		40 and over	Not stated							
		15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32			33	34	35	36	37	38	39
CANADA	12,427	3	25	85	266	461	624	794	927	984	1,028	975	881	773	706	594	535	423	441	350	267	241	210	164	186	122	360	2
P. E. I.	20																											
Nova Scotia	54																											
New Brunswick	30																											
Quebec	307																											
Ontario	784																											
Manitoba	1,235																											
Saskatchewan	9,535																											
Alberta	290																											
British Columbia	69																											
Province not specified	3																											
BRITISH ISLES	931																											
England	579																											
Ireland	85																											
Scotland	238																											
Wales	28																											
Other	1																											
BRITISH POSSESSIONS	13																											
Newfoundland	1																											
Other	12																											
EUROPE	2,576																											
Austria	380																											
Belgium	30																											
Denmark	35																											
Finland	10																											
France	32																											
Germany	193																											
Holland	18																											
Hungary	148																											
Italy	3																											
Norway	107																											
Poland	543																											
Roumania	118																											
Russia (1)	809																											
Sweden	61																											
Other	89																											
ASIA	8																											
China	3																											
Japan	1																											
Other	4																											
United States	1,607																											
Various	17																											
Not specified	10																											
Total	17,589	3	29	103	296	506	678	861	1,031	1,118	1,180	1,149	1,097	989	937	871	844	935	777	664	545	508	481	403	513	300	959	2

(1) Including the Ukraine.

TABLE 29.—LEGITIMATE BIRTHS (exclusive of stillbirths) CLASSIFIED ACCORDING TO AGE AND RACIAL ORIGIN OF MOTHERS, 1938.

Racial Origin of mother	Total	Age of Mother															40 and over	Not stated										
		15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			30	31	32	33	34	35	36	37	38	39
English	2,795	..	6	15	45	87	105	120	181	210	200	196	188	168	157	136	119	112	123	103	79	71	54	49	77	57	137	..
Irish	1,529	..	4	13	30	42	48	90	97	101	101	104	100	91	82	83	78	66	66	51	46	46	33	31	37	24	69	..
Scottish	1,708	1	1	10	13	56	61	80	103	106	106	113	104	118	106	85	79	87	64	70	53	52	42	37	39	29	90	..
Welsh	93	..	..	1	4	..	..	3	3	4	4	9	4	8	7	3	12	1	1	1	2	3	3	1	5	..	7	..
French	1,191	..	1	6	21	33	40	52	62	76	76	71	90	67	59	56	64	40	56	49	37	34	41	34	25	24	68	..
Austrian	152	..	..	2	1	1	7	6	11	4	11	8	4	7	5	9	7	8	7	7	11	4	7	6	5	3	11	..
Belgian	85	..	..	..	1	1	1	3	6	6	5	10	9	5	3	7	4	2	4	..	5	3	2	4	3	..	1	..
Bulgarian	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Chinese	7	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Czech and Slovak	102	..	..	..	3	7	4	7	8	4	7	8	5	8	5	1	8	4	8	8	2	1	2	4	4	1	9	..
Danish	113	..	..	..	1	5	4	4	4	5	4	12	8	6	6	9	7	4	14	4	3	4	2	3	2	2	4	..
Dutch	544	..	..	2	8	..	..	17	25	26	49	37	33	26	29	26	23	23	37	27	13	25	26	16	10	6	37	..
Finnish	37	..	..	..	..	..	..	2	2	2	2	3	2	1	4	1	2	1	3	1	3	1	..	..	..	..	1	..
German	3,876	1	6	15	58	104	154	187	231	233	275	260	235	213	216	183	192	173	165	138	123	98	115	84	114	77	226	..
Greek	6	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hindu	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hungarian	333	..	..	4	7	5	11	28	25	29	14	19	12	10	12	18	10	18	13	11	15	..	..	8	13	7	21	..
Indian	55	..	..	..	1	..	..	3	4	3	2	7	6	2	4	1	4	2	..	3	..	..	..	..	..	..	..	..
Indo-Indic	662	..	3	8	29	23	30	36	31	32	41	38	36	32	33	34	27	21	22	17	21	20	19	22	33	8	40	1
Italian	11	..	..	..	1	1	..	..	..	..	2	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Japanese	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Jewish	21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Negro	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Norwegian	788	1	1	6	13	15	28	41	37	53	47	52	45	42	49	48	40	26	33	26	16	24	15	17	24	9	60	..
Polish	589	..	2	3	8	14	22	25	30	37	38	23	30	33	42	28	34	14	31	23	17	22	26	14	25	8	31	1
Romanian	139	..	..	..	4	4	5	5	7	13	11	5	11	9	7	7	5	3	7	4	4	4	2	4	5	2	11	..
Russian	438	..	..	3	7	14	11	26	21	26	30	25	29	16	27	25	18	13	14	25	13	25	10	15	11	8	26	..
Serb and Croat	25	..	..	..	1	1	1	3	..	2	2	2	1	1	3	1	2	..	2	1	..	1	2	..	..	..	..	..
Swedish	361	..	..	1	3	6	13	21	18	23	23	22	22	25	24	23	14	12	15	17	17	8	10	9	9	7	14	..
Swiss	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syrian	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ukrainian (1)	1,876	..	5	13	42	81	106	96	127	111	127	111	111	93	105	82	89	52	87	72	60	49	51	36	64	21	85	..
Other	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Not specified	17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	17,589	3	29	103	296	606	678	861	1,031	1,118	1,180	1,149	1,097	989	997	871	844	685	777	664	545	508	481	403	513	300	961	2

(1) Including "Galician" and "Bukowinian."

TABLE 30.—BIRTHS (exclusive of stillbirths) CLASSIFIED ACCORDING TO RACIAL ORIGIN OF PARENTS, 1938.

Racial origin of father	Total	Racial origin of mother																Ukrainian (1)	Others and not specified							
		English	Irish	Scottish	Welsh	French	Austrian	Belgian	Czech and Slovak	Danish	Dutch	Finnish	German	Hungarian	Icelandic	Italian	Jewish			Norwegian	Polish	Romanian	Russian	Serb and Croat	Swedish	Swiss
English	2,776	1,224	343	472	22	105	10	8	13	22	45	242	11	11	4	4	..	110	15	8	12	..	55	7	26	5
Irish	1,707	424	448	317	22	85	5	2	6	16	30	1	1	1	3	3	..	77	9	3	7	1	39	4	14	4
Scottish	1,791	502	305	492	16	70	4	4	15	32	3	1,472	8	7	4	1	..	83	13	4	6	1	39	1	26	3
Welsh	113	26	15	30	12	2	..	..	..	..	..	..	..	..	1	..	..	5	2	2	1	1	2	..	..	..
French	1,186	77	80	67	..	752	2	19	1	2	10	2	85	3	14	..	1	28	13	2	4	..	11	1	11	1
Austrian	196	16	9	6	..	4	87	1	..	..	..	..	..	..	..	..	..	..	7	4	9	..	..	..	15	..
Belgian	12	3	..	..	..	35	1	1	1	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	1	..
Czech and Slovak	100	4	3	2	..	..	..	60	..	..	..	..	..	..	..	..	..	..	8	2	1	..	2	..	2	..
Danish	143	31	9	18	1	5	1	..	31	..	..	17	2	..	..	..	..	20	2	1	..	..	..	..	2	..
Dutch	545	52	24	33	3	5	..	..	368	..	..	34	..	..	1	..	..	7	3	..	5	..	..	..	3	..
Finnish	32	1	1	5	..	..	..	..	..	20	..	..	..	..	..	..	..	3	..	..	..	..	..	..	1	..
German	3,710	197	147	117	6	70	18	9	7	11	23	2,847	30	..	7	..	..	71	23	11	36	2	..	..	42	5
Hungarian	333	11	2	3	..	6	3	1	3	1	..	26	257	..	..	..	..	1	2	2	4	..	..	..	9	..
Icelandic	55	8	2	3	..	2	..	..	..	..	..	10	..	..	..	..	..	2	1	..	..	..	..	..	3	..
Indian	638	4	1	..	..	9	..	..	..	..	..	3	1	..	618	..	..	..	..	..	..	..	..	..	..	..
Italian	13	1	4	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Jewish	35	1	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Norwegian	742	98	78	73	3	16	2	4	1	12	15	70	2	..	3	..	29	1	3	..	2	..	57	..	7	..
Polish	574	6	4	2	..	2	4	1	1	2	..	28	1	..	1	..	..	1	358	3	15	..	..	..	142	1
Romanian	132	7	1	1	..	1	1	..	..	..	..	..	..	..	..	..	..	1	3	88	6	..	..	..	11	1
Russian	418	3	4	8	..	1	6	..	..	6	..	38	..	..	1	..	..	1	9	2	316	1	..	..	20	..
Serb and Croat	28	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	3	..
Swedish	371	60	27	40	4	6	..	2	3	..	4	38	1	..	5	..	..	53	2	..	..	..	114	5	9	..
Swiss	41	5	2	2	1	5	2	..	..	1	..	13	..	..	..	..	..	1	..	..	..	..	..	..	2	..
Syrian	17	1	1	1	..	..	..	..	..	..	..	3	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Ukrainian (1)	1,722	15	7	5	1	7	5	3	2	1	..	25	1	..	1	..	..	3	100	5	10	..	..	..	1,526	1
Others and not specified	63	4	4	3	1	..	1	1	..	1	..	10	..	..	..	..	..	3	4	..	1	..	..	..	3	26
Children born to married mothers.. M. F.	17,589	2,795	1,529	1,708	93	1,191	152	85	102	113	544	3,876	333	55	602	11	31	768	580	139	438	25	361	24	1,876	61
Children born to unmarried mothers.. M. F.	9,047	1,436	787	885	45	613	76	50	51	57	288	22	1,969	103	27	332	7	166	391	80	238	12	180	11	991	29
Total	8,542	1,359	742	823	48	578	76	35	51	56	256	15	1,997	170	28	330	4	15	377	59	200	13	181	13	885	32
Children born to married mothers.. M. F.	641	105	52	66	2	51	5	..	2	1	5	5	195	2	3	73	..	23	18	7	19	..	18	..	72	7
Children born to unmarried mothers.. M. F.	334	50	28	40	1	25	1	..	1	1	3	2	54	1	3	44	..	11	8	3	10	..	14	..	32	2
Total	307	55	24	26	1	26	4	..	1	..	2	3	51	1	..	29	..	12	10	4	9	..	4	..	40	5
Children born to all mothers	18,230	2,900	1,581	1,774	95	1,242	157	85	104	114	549	43	3,981	335	58	735	11	31	791	146	457	25	370	24	1,948	68
Children born to married mothers.. M. F.	9,381	1,486	815	925	46	638	77	50	52	58	291	24	2,023	164	30	376	7	16	402	83	248	12	194	11	1,023	31
Children born to unmarried mothers.. M. F.	8,849	1,414	766	849	49	604	80	35	52	56	258	18	1,958	171	28	359	4	15	389	63	209	13	185	13	925	37

(1) Including "Galician" and "Bukovinian."

TABLE 31.—BIRTHS (exclusive of stillbirths)

Birthplace of Father	Total	Birthplace of Mother														
		Canada									British Isles					
		Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Prov. not specified	England	Ireland	Scotland	Wales	Other
CANADA	9,718	17	33	23	234	493	733	6,458	176	45	..	261	30	111	10	1
Prince Edward Island	59	2	1	3	1	5	3	26	..	..	..	6	..	3	..	..
Nova Scotia	95	..	5	1	1	10	8	44	1	4	..	5	1	6	..	..
New Brunswick	63	..	..	4	2	7	5	23	1	..	..	7	..	2	1	..
Quebec	446	..	..	1	139	16	32	161	3	..	..	8	1	6	..	..
Ontario	1,328	5	10	6	22	229	125	560	26	12	..	72	11	31	3	..
Manitoba	1,276	1	1	..	14	65	299	670	18	1	..	36	2	17	3	1
Saskatchewan	6,231	7	14	5	52	159	304	4,855	96	25	..	119	12	42	3	..
Alberta	174	..	..	3	3	8	6	90	29	2	..	6	3	3	..	..
British Columbia	42	..	2	..	..	..	1	26	2	1	..	2	..	1	..	..
Province not specified	4	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..
BRITISH ISLES	1,526	2	8	4	18	111	138	625	29	14	2	223	42	90	15	..
England	973	..	4	3	9	64	93	409	18	10	1	188	13	30	7	..
Ireland	156	..	3	1	2	17	10	60	3	3	1	7	26	7	..	..
Scotland	351	2	1	..	7	27	30	141	5	1	..	24	2	51	2	..
Wales	45	..	..	..	..	3	5	15	3	..	..	3	1	2	6	..
Other	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
BRITISH POSSESSIONS	27	..	..	..	..	5	2	8	1	..	..	4	2	1	..	..
Newfoundland	10	..	..	..	..	3	..	3	..	..	..	1	1	..	..	..
Other	17	..	..	..	..	2	2	5	1	..	..	3	1	1	..	..
EUROPE	4,230	1	6	1	22	31	186	1,610	43	5	1	33	4	12	..	..
Austria	714	..	1	..	2	2	35	312	5	..	..	..	..	..	..	..
Belgium	63	..	..	1	3	1	4	34	..	..	..	4	..	..	..	..
Denmark	90	1	..	..	..	4	4	32	1	..	..	4	..	1	..	..
Finland	8	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..
France	58	..	..	..	3	..	8	22	..	1	..	1	..	..	..	..
Germany	349	..	..	..	3	2	11	136	9	..	..	7	1	1	..	..
Holland	39	..	1	..	..	..	5	13	..	..	..	2	..	4	..	..
Hungary	240	..	..	..	..	2	3	101	3	..	..	1	..	..	..	..
Italy	4	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Norway	222	..	2	..	2	8	6	80	2	1	..	4	..	3	..	..
Poland	777	..	..	..	3	..	39	283	2	1	..	1	..	..	..	..
Roumania	204	..	..	..	2	2	11	79	3	..	..	..	..	..	..	..
Russia (1)	1,150	..	1	..	3	5	48	404	10	2	1	3	1	1	..	..
Sweden	145	..	..	..	1	4	7	57	6	..	..	5	2	2	..	..
Other	167	..	1	..	..	1	5	54	1	..	..	1	..	..	..	..
ASIA	24	..	..	..	..	1	..	9	2	1	..	1	..	..	..	..
China	11	..	..	..	..	..	..	4	2	1	..	1	..	..	..	..
Japan	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other	12	..	..	..	..	1	..	5	..	..	..	..	..	..	..	..
United States	2,038	..	7	2	33	136	123	912	39	4	..	55	7	23	2	..
Various	20	..	..	..	..	..	2	10	..	..	..	1	..	1	1	..
Not specified	6	..	..	..	..	1	1	3	..	..	..	1	..	..	..	..
Children born to married mothers	17,589	20	54	30	307	784	1,235	9,635	290	69	3	579	85	238	28	1
Children born to unmarried mothers	641	..	3	1	3	15	33	470	17	8	2	14	..	6	..	..
Children born to all mothers	18,230	20	57	31	310	799	1,268	10,105	307	77	5	593	85	244	28	1

(1) Including the Ukraine.





TABLE 32.—TOTAL LIVE BIRTHS AND LIVE BIRTHS IN INSTITUTIONS SHOWING THE NUMBER OF MOTHERS NON-RESIDENT IN THE PROVINCE, 1938.

	All live births		In institutions	
	Total	Mothers non-resident in province	Total	Mothers non-resident in province
Total for the province.....	18,230	180	9,038	150

## MARRIAGES

Marriages increased 103 over 1937, there being 5,893 marriages registered in 1938, and the rate being 6.3.

October and November again proved the popular months, 2,262, or 38.4 per cent. of the total marriages, taking place in these months.

Of the contracting parties, 73 per cent. of the grooms and 86.8 per cent. of the brides were Canadian born.

TABLE 33.—MARRIAGES IN PROVINCE BY MONTHS AND RATE PER 1,000, 1921-1938.

Months	1921-1930	1931-1935	1936	1937	1938
January .....	4,571	1,818	345	316	245
February .....	4,192	1,844	323	262	251
March .....	3,409	1,465	284	327	234
April .....	3,740	1,869	376	359	344
May .....	2,556	1,471	300	306	329
June .....	5,215	2,865	473	626	571
July .....	5,075	2,484	522	567	480
August .....	3,885	1,620	311	381	295
September .....	2,890	1,560	559	577	411
October .....	4,945	4,194	1,285	1,011	1,298
November .....	8,243	4,741	884	686	964
December .....	6,331	2,467	506	372	471
Total .....	55,052	28,398	6,168	5,790	5,893
Rate .....	6.7	6.1	6.6	6.2	6.3

TABLE 34.—AGE AND CONDITION OF MEN WHO MARRIED, 1938.

Condition	Age period											Total	
	20 and under	21-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69		70 and over
<b>Bachelors who married</b>	183	1,753	2,055	920	329	90	52	14	3	1	1	2	5,403
Spinsters .....	.....	9	10	19	13	10	15	4	4	2	.....	.....	86
Widows .....	.....	3	7	6	10	4	1	3	1	.....	.....	.....	35
Divorced women .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Total bachelors</b> .....	183	1,765	2,072	945	352	104	68	21	8	3	1	2	5,524
<b>Widowers who married</b>	.....	3	18	28	31	31	31	22	8	5	4	4	185
Spinsters .....	.....	.....	5	2	6	5	12	17	15	19	16	16	113
Widows .....	.....	.....	.....	.....	1	3	.....	1	1	2	1	.....	9
Divorced women .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Total widowers</b> .....	.....	3	23	30	38	39	43	40	24	26	21	20	307
<b>Divorced men who married</b>	.....	1	8	14	10	8	10	4	.....	.....	.....	.....	55
Spinsters .....	.....	.....	.....	1	1	1	.....	.....	.....	1	.....	.....	4
Widows .....	.....	.....	.....	.....	.....	.....	1	2	.....	.....	.....	.....	3
Divorced women .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Total divorced men</b> .....	.....	1	8	15	11	9	11	6	.....	1	.....	.....	62
<b>Total men</b> .....	183	1,769	2,103	990	401	152	122	67	32	30	22	22	5,893

TABLE 35.—AGE AND CONDITION OF WOMEN WHO MARRIED, 1938.

Condition	Age period											Total					
	20 and under	21-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69		70 and over				
Spinsters who married																	
Bachelors	1,789	2,260	1,066	224	49	11	2	4	1	1	1	1	1	1	1	1	5,403
Widowers	30	46	42	28	18	12	5	4	1	1	1	1	1	1	1	1	185
Divorced men	8	19	15	7	4	1	1	1	1	1	1	1	1	1	1	1	55
Total spinsters	1,827	2,325	1,123	259	71	24	7	5	1	1	1	1	1	1	1	1	5,643
Widows who married																	
Bachelors	2	6	12	17	15	12	10	7	2	3	3	2	7	2	3	7	86
Widowers	.....	2	4	7	11	8	18	23	13	14	6	7	6	14	6	7	113
Divorced men	.....	1	1	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
Total widows	2	9	17	24	27	21	28	30	15	17	6	7	6	17	6	7	203
Divorced women who married																	
Bachelors	.....	1	11	11	8	3	1	1	1	1	1	1	1	1	1	1	35
Widowers	.....	.....	.....	3	2	.....	1	1	1	1	1	1	1	1	1	1	9
Divorced men	.....	.....	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Total divorced women	.....	1	11	15	11	4	2	1	1	1	1	1	1	1	1	1	47
Total women	1,829	2,335	1,151	298	109	49	37	36	17	18	7	7	7	18	7	7	5,893

TABLE 36.—MARRIAGES—AGES OF BRIDEGRROOMS AND BRIDES, 1938.

Age of Bridegroom	Total groomsmen	Age of Bride																																		
		Under 16	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45 and over				
Under 18	5	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
18	19	1	2	2	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
19	57	1	2	3	13	9	11	6	2	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
20	102	1	7	11	19	12	19	17	4	4	4	3	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
21	327	2	12	17	40	51	49	71	40	20	9	6	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
22	396	1	10	15	62	59	45	76	51	27	21	14	9	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	514	2	9	23	57	60	76	71	48	69	37	17	21	5	7	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
24	532	1	6	22	63	49	65	100	63	43	33	23	14	8	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
25	484	5	10	12	42	51	46	65	56	61	44	31	23	14	12	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
26	491	2	8	12	33	46	43	68	67	62	44	40	23	18	14	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
27	413	1	13	32	33	36	54	43	39	40	34	21	18	34	19	6	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
28	399	2	4	8	27	36	41	50	34	33	29	21	18	23	32	13	11	7	3	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	
29	316	1	4	5	17	22	27	40	29	33	26	25	25	15	13	12	6	7	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	
30	285	2	1	6	21	18	18	38	28	32	29	21	11	16	15	11	5	4	4	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
31	227	1	5	4	11	11	11	21	23	15	12	20	15	14	13	8	12	5	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
32	214	1	5	4	11	11	11	21	23	15	12	20	15	14	13	8	12	5	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
33	157	2	1	7	11	8	16	18	15	12	8	8	8	8	9	8	6	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
34	107	1	1	3	10	3	7	7	7	7	9	12	9	4	6	3	5	6	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	120	1	1	2	8	10	6	6	10	9	12	9	4	7	8	4	5	3	4	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	85	1	1	1	2	3	3	11	6	4	7	4	10	4	3	4	8	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
37	73	1	1	1	2	1	2	5	6	8	3	5	5	5	4	3	4	4	2	1	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
38	74	1	2	3	3	3	3	2	6	4	5	5	5	4	5	4	5	4	2	1	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
39	49	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	33	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	41	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
43	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
44	27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
45	22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
46	39	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
47	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
48	25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
49	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
50-54	67	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
55-59	32	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
60-64	30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
65-69	22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
70-74	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
75-79	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
80 and over	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total brides	5,893	21	89	169	489	516	545	766	572	557	440	342	265	229	195	120	100	58	53	47	40	25	32	26	12	14	11	8	9	13	8	132	132	132		

TABLE 37.—MARRIAGES—BIRTHPLACE OF BRIDEGRROOMS AND BRIDES, 1938.

Birthplace of Bride	Canada										British Isles										Europe										Asia—China	United States	Not specified
	Total										Total										Total												
	Prince Edward Is.	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	England	Ireland	Scotland	Wales	British Poss.	Austria	Belgium	Denmark	Finland	France	Germany	Holland	Hungary	Norway	Poland	Roumania	Russia (1)	Sweden	Other					
Canada	14	1	1	28	123	174	3,466	76	20	77	9	43	3	1	5	5	5	5	6	3	3	5	8	20	5	20	5	5	2	158	1		
Prince Edward Island	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Nova Scotia	24	3	3	5	3	2	13	7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
New Brunswick	9	1	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Quebec	99	3	3	7	3	3	61	1	1	4	3	9	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1			
Ontario	362	5	5	38	20	4	225	4	4	14	3	9	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1			
Manitoba	341	1	1	13	7	30	256	5	1	11	3	1	1	1	1	1	1	1	1	1	1	5	18	3	20	3	4	1	105	1			
Saskatchewan	3,338	1	1	12	67	112	2,807	61	15	44	5	29	1	1	1	1	1	1	1	1	1	5	18	3	20	3	4	1	105	1			
Alberta	91	1	1	1	3	2	71	5	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
British Columbia	23	1	1	1	3	3	21	21	20	52	4	12	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
British Isles	483	1	1	1	30	31	297	9	1	52	4	12	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
England	323	1	1	1	24	16	196	4	1	45	1	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Ireland	42	1	1	1	1	5	27	3	1	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Scotland	100	1	1	2	5	8	61	2	1	6	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Wales	18	1	1	1	1	2	13	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
British Possessions	11	1	1	1	1	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Newfoundland	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Other	8	1	1	1	1	1	5	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Europe	656	1	1	2	9	28	417	7	2	3	1	3	1	1	13	3	3	1	1	1	10	5	29	10	63	5	7	20	20				
Austria	45	1	1	1	1	1	27	1	1	1	1	1	1	1	9	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1			
Belgium	10	1	1	1	1	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Denmark	20	1	1	1	1	1	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Finland	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
France	8	1	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Germany	65	1	1	1	1	1	44	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Holland	11	1	1	1	1	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Hungary	35	1	1	1	1	1	19	1	1	1	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	1	1	1	1	1	1		
Italy	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Norway	42	1	1	1	2	3	29	1	1	1	1	1	1	1	1	1	1	1	1	1	10	3	1	1	1	1	1	1	1	1	1		
Poland	127	1	1	1	1	8	92	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22	1	1	1	1	1	1	1	1		
Roumania	26	1	1	1	1	1	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Russia (1)	186	1	1	1	1	9	111	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	48	1	1	1	1	1	1		
Sweden	36	1	1	1	2	2	21	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Other	42	1	1	1	1	1	27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Asia	6	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
China	4	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Japan	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Other	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
United States	433	1	1	1	19	24	289	10	1	15	2	3	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Various	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Not specified	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Total brides	5,893	4	14	38	181	258	4,481	103	25	148	16	61	8	2	19	8	3	1	6	22	4	17	17	52	15	99	13	13	2	250	1		

(1) Including the Ukraine.

TABLE 38.—MARRIAGES—DENOMINATIONS OF CONTRACTING PARTIES, 1938.

Denomination of Groom	Denomination of Bride																												
	Adventists	Anglicans	Baptists	Brethren	Christians	Christian Science	Church of Christ	Evangelicals	Friends	Greek Catholics	Greek Orthodox	Holiness Movement	Jews	Lutherans	Mennonites	Mormons	Pentecostal	Presbyterians	Protestants	Roman Catholics	Salvation Army	Unitarians	United Church	Oriental religions	No religion	Other sects	Not stated		
Adventists	14	1	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Anglicans	1	363	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Baptists	139	1	60	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Brethren	9	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Christians	13	1	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Christian Science	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Church of Christ	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Evangelicals	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Friends	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Greek Catholics	242	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Greek Orthodox	196	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Holiness Movement	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Jews	28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lutherans	707	1	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mennonites	210	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mormons	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pentecostal	53	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Presbyterians	349	1	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Protestants	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Roman Catholics	1,216	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Salvation Army	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
United Brethren	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
United Church	1,724	3	27	3	1	4	3	2	2	6	13	3	1	113	3	2	4	41	1	83	1	1	1,227	1	1	16	1	1	
Oriental religions — (Buddhists, Confucians, Mohammedans, Shintos, Sikhs, Hindus)	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No religion	32	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Other sects	118	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Not stated	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total brides	5,893	22	733	137	9	13	9	31	2	252	209	7	30	670	215	8	65	262	11	1,258	13	1	1,773	9	20	128	1	1	1

TABLE 39.—MARRIAGES—LITERACY OF BRIDEGROOMS AND BRIDES, CLASSIFIED BY BIRTHPLACE, 1936.

Birthplace	Bridegrooms			Brides		
	Total	Illiterate	Per cent. illiterate	Total	Illiterate	Per cent. illiterate
Total .....	5,893	62	1.1	5,893	58	1.0
Canada .....	4,301	44	1.0	5,116	40	0.8
Prince Edward Island .....	14	.....	.....	4	.....	.....
Nova Scotia .....	24	.....	.....	14	.....	.....
New Brunswick .....	9	.....	.....	12	.....	.....
Quebec .....	99	.....	.....	38	.....	.....
Ontario .....	362	.....	.....	181	.....	.....
Manitoba .....	341	2	0.6	258	.....	.....
Saskatchewan .....	3,338	41	1.2	4,481	38	0.8
Alberta .....	91	1	1.1	103	2	1.9
British Columbia .....	23	.....	.....	25	.....	.....
British Isles .....	483	.....	.....	233	.....	.....
England .....	323	.....	.....	148	.....	.....
Ireland .....	42	.....	.....	16	.....	.....
Scotland .....	100	.....	.....	61	.....	.....
Wales .....	18	.....	.....	8	.....	.....
British Possessions .....	11	.....	.....	2	.....	.....
Newfoundland .....	3	.....	.....	.....	.....	.....
Other .....	8	.....	.....	2	.....	.....
Europe .....	656	14	2.1	289	17	5.9
Austria .....	45	2	4.4	19	5	26.3
Belgium .....	10	.....	.....	8	.....	.....
Denmark .....	20	.....	.....	3	.....	.....
Finland .....	2	.....	.....	1	.....	.....
France .....	8	.....	.....	6	.....	.....
Germany .....	65	.....	.....	22	.....	.....
Holland .....	11	.....	.....	4	.....	.....
Hungary .....	35	.....	.....	17	.....	.....
Italy .....	1	.....	.....	.....	.....	.....
Norway .....	42	.....	.....	17	.....	.....
Poland .....	127	5	3.9	52	1	1.9
Roumania .....	26	4	15.4	15	4	26.7
Russia (¹) .....	186	2	1.1	99	7	7.1
Sweden .....	36	.....	.....	13	.....	.....
Other .....	42	1	2.4	13	.....	.....
Asia .....	6	.....	.....	2	.....	.....
China .....	4	.....	.....	2	.....	.....
Japan .....	1	.....	.....	.....	.....	.....
Other .....	1	.....	.....	.....	.....	.....
United States .....	433	3	0.7	250	.....	.....
Various .....	2	.....	.....	.....	.....	.....
Not specified .....	1	1	100.0	1	1	100.0

(¹) Including the Ukraine.

#### DIVORCES

Decrees absolute filed during 1938 were 120. The year's divorce rate per 1,000 marriages was 20.4. In 1937 the number of divorces was 108 and the rate 18.7. Husbands were the plaintiffs in 35 per cent. of the actions and wives in 65 per cent.

TABLE 40.—DIVORCES, 1938.

Number of divorces granted .....	120
Plaintiffs, husbands .....	42
Plaintiffs, wives .....	78
Number of divorces granted to persons who were married in Saskatchewan .....	90

TABLE 41.—DIVORCES, 1938. REASONS FOR DECREE.

Reason	Husband	Wife	Total
Adultery .....	77	41	118
Charge of rape and carnal knowledge.....	1	...	1
Incompetent by reason of insanity to enter into a valid marriage .....	...	1	1
Total .....	78	42	120

TABLE 42.—DIVORCES, 1938. NUMBER OF YEARS MARRIED.

Number of years married	Number of divorces	Number of years married	Number of divorces
1 year .....	1	16 years.....	3
2 years.....	2	17 years.....	4
3 years.....	2	18 years.....	3
4 years.....	2	20 years.....	3
5 years.....	5	21 years.....	3
6 years.....	5	22 years.....	3
7 years.....	6	23 years.....	1
8 years.....	5	24 years.....	2
9 years.....	10	25 years.....	3
10 years.....	9	26 years.....	1
11 years.....	7	27 years.....	1
12 years.....	13	30 years.....	1
13 years.....	5	31 years.....	1
14 years.....	5	32 years.....	1
15 years.....	11	44 years.....	1
		Unknown .....	1

TABLE 43.—DIVORCES, 1938. RELIGIOUS DENOMINATIONS OF THOSE WHO WERE MARRIED IN SASKATCHEWAN.

Denomination	Husband	Wife	Total
Anglican .....	18	18	36
Baptist .....	6	2	8
Bible Student .....	1	..	1
Greek Catholic .....	4	1	5
Greek Orthodox .....	1	..	1
Lutheran .....	6	6	12
Methodist .....	5	8	13
New Jerusalem .....	..	1	1
Non-denominational .....	1	..	1
Pentecostal .....	1	1	2
Presbyterian .....	10	9	19
Roman Catholic .....	8	15	23
Roumanian Orthodox .....	..	1	1
United Church .....	21	20	41
Not stated .....	8	8	16



TABLE 44.—DIVORCES GRANTED, 1920-1938.

Year	By whom obtained		Total
	Husband	Wife	
1920-1925 .....	153	71	224
1926-1930 .....	167	127	294
1931-1935 .....	123	159	282
1936 .....	39	40	79
1937 .....	44	64	108
1938 .....	42	78	120
<b>Total</b> .....	<b>568</b>	<b>539</b>	<b>1,107</b>

## DEATHS

Deaths, exclusive of stillbirths, registered in 1938 numbered 6,079, a decrease of 848 from the 1937 total of 6,927. The death rate, the lowest in Canada, was 6.5 per 1,000 of population.

TABLE 45.—DEATHS IN PROVINCE BY MONTHS AND RATES, 1934-1938,  
(Stillbirths excluded.)

Months	1934		1935		1936		1937		1938	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
January .....	453	5.8	608	7.9	506	6.5	665	8.5	522	6.7
February .....	442	5.7	477	6.2	598	7.7	748	9.6	494	6.3
March .....	554	7.1	592	7.7	601	7.7	720	9.2	571	7.3
April .....	556	7.1	558	7.1	557	7.2	662	8.5	474	6.0
May .....	522	6.7	579	7.5	565	7.3	588	7.5	537	6.8
June .....	476	6.1	520	6.7	473	6.1	545	7.0	464	5.9
July .....	466	6.0	487	6.3	488	6.3	468	6.0	480	6.1
August .....	472	6.1	462	6.0	413	5.3	513	6.6	482	6.1
September ..	448	5.8	420	5.5	518	6.7	479	6.1	467	6.0
October .....	507	6.5	499	6.4	538	6.9	536	6.8	528	6.7
November ..	471	6.1	441	5.7	505	6.5	523	6.7	541	6.9
December ..	557	7.1	483	6.2	552	7.1	480	6.1	519	6.6
<b>Year</b> .....	<b>5,924</b>	<b>6.3</b>	<b>6,126</b>	<b>6.6</b>	<b>6,314</b>	<b>6.8</b>	<b>6,927</b>	<b>7.4</b>	<b>6,079</b>	<b>6.5</b>

TABLE 46.—URBAN AND RURAL DEATHS BY MONTHS AND RATE PER 1,000, 1938.  
(By Place of Residence. Stillbirths excluded.)

Month	Urban		Rural		Province	
	No.	Rate	No.	Rate	No.	Rate
January .....	131	8.8	391	6.2	522	6.7
February .....	108	7.2	386	6.1	494	6.3
March .....	119	8.0	452	7.1	571	7.3
April .....	92	6.1	382	6.0	474	6.0
May .....	105	7.0	432	6.8	537	6.8
June .....	82	5.5	382	6.0	464	5.9
July .....	102	6.8	378	6.0	480	6.1
August .....	92	6.1	390	6.1	482	6.1
September .....	93	6.2	374	5.9	467	6.0
October .....	121	8.1	407	6.4	528	6.7
November .....	112	7.5	429	6.8	541	6.9
December .....	133	8.9	386	6.1	519	6.6
Year .....	1,290	7.2	4,789	6.3	6,079	6.5

TABLE 47.—DEATHS IN CITIES BY MONTHS AND RATE PER 1,000, 1938.  
(By Place of Residence. Stillbirths excluded.)

Month	Moose Jaw	North Battle- ford	Prince Albert	Regina	Saska- toon	Swift Current	Weyburn	Yorkton	All cities
January .....	13	3	12	50	28	1	3	2	112
February .....	11	2	5	27	30	2	2	3	82
March .....	19	1	6	37	19	2	1	3	88
April .....	7	1	8	31	19	2	4	3	75
May .....	17	1	5	31	26	2	2	3	87
June .....	7	4	6	22	20	1	1	5	66
July .....	13	2	4	23	23	4	2	2	73
August .....	11	2	5	23	19	3	2	4	69
September .....	18	4	10	21	14	2	1	4	74
October .....	14	3	11	32	26	4	3	..	93
November .....	9	7	6	27	27	5	4	6	91
December .....	14	6	8	38	28	3	2	5	104
Total .....	153	36	86	362	279	31	27	40	1,014
Rate .....	7.6	7.5	7.7	6.7	6.6	6.0	5.0	8.0	6.9

**COMMUNICABLE DISEASES**

Decreasing 50.6 per cent. from 1937, deaths registered from communicable diseases for 1938 numbered 595. This represents a numerical decrease of 610 from the previous year. The death rate per 100,000 population was 63.2 for 1938, and 128.3 for 1937.

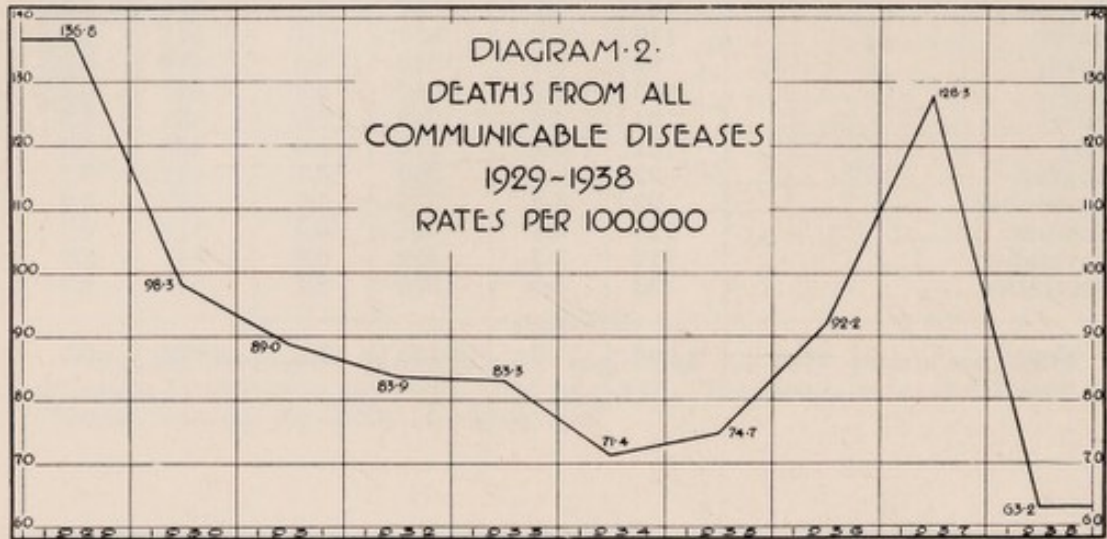
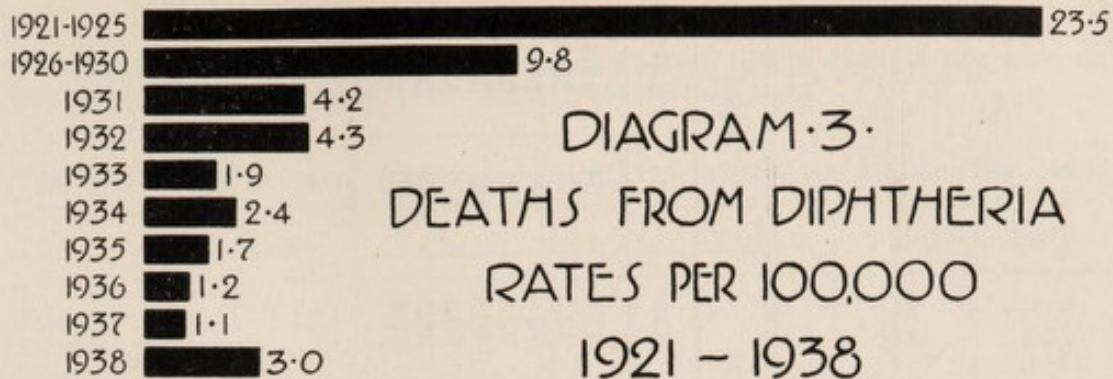


TABLE 48.—DEATHS FROM COMMUNICABLE DISEASES AND RATES PER 100,000. 1934-1938.

Disease	1934		1935		1936		1937		1938	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Typhoid and paratyphoid fever .....	24	2.6	14	1.5	23	2.5	36	3.8	8	.9
Undulant fever .....	2	.2	3	.3	1	.1	1	.1	2	...
Smallpox .....	16	1.7	2	.2	...	...	...	...	...	...
Measles .....	5	.5	34	3.7	39	4.2	252	26.8	19	2.0
Scarlet fever .....	68	7.3	10	1.1	16	1.7	16	1.7	12	1.3
Whooping cough .....	22	2.4	90	9.7	50	5.4	47	5.0	18	1.9
Diphtheria .....	145	15.6	16	1.7	11	1.2	10	1.1	28	3.0
Influenza .....	13	1.4	168	18.0	282	30.3	404	43.0	154	16.4
Dysentery .....	19	2.0	10	1.1	36	3.9	27	2.9	11	1.2
Erysipelas .....	10	1.1	15	1.6	34	3.7	13	1.4	6	.6
Acute poliomyelitis .....	4	.4	5	.5	9	1.0	22	2.3	7	.7
Lethargic encephalitis .....	10	1.1	6	.6	11	1.2	7	.7	5	.5
Epidemic cerebrospinal meningitis .....	1	.1	10	1.1	12	1.3	6	.6	3	.3
Tetanus .....	293	31.4	2	.2	2	.2	4	.4	3	.3
Tuberculosis .....	18	1.9	272	29.2	279	30.0	303	32.3	271	28.8
Syphilis .....	13	1.4	17	1.8	29	3.1	34	3.6	22	2.3
Gonococcus infection .....	2	.2	1	.1	...	...	1	.1	2	.2
Purulent infection septicaemia .....	13	1.4	10	1.1	15	1.6	14	1.5	11	1.2
Other infectious diseases .....	2	.2	8	.9	9	1.0	8	.9	13	1.4

TABLE 49.—DEATHS FROM COMMUNICABLE DISEASES IN CITIES, 1938. (By Place of Residence.)

Disease	Moose Jaw	North Battle- ford	Prince Albert	Regina	Saska- toon	Swift Current	Wey- burn	Yorkton	Total	Rate per 100,000
6 Smallpox .....	..	..	..	..	..	1	..	1	1	.7
8 Scarlet fever .....	..	..	2	2	1	..	..	..	1	.7
10 Diphtheria .....	..	..	2	9	10	..	1	3	5	3.4
11 Influenza .....	3	..	..	..	..	..	..	..	28	19.0
15 Erysipelas .....	..	1	..	1	..	..	..	..	1	.7
16 Acute poliomyelitis .....	..	1	..	..	..	..	..	..	2	1.4
17 Lethargic encephalitis .....	1	..	..	16	1	..	..	..	2	1.4
23-32 Tuberculosis .....	5	2	5	4	11	..	1	1	41	27.8
34 Syphilis .....	2	..	1	7	3	..	..	..	10	6.8
36 Purulent infection .....	1	1	..	1	3	1	..	..	13	8.8
38 Malaria .....	..	..	..	1	..	..	..	..	1	.7
44 Other infectious diseases .....	..	..	..	..	1	..	..	..	1	.7
Total .....	12	5	10	40	30	2	2	5	106	71.8
Rate per 100,000 .....	59.9	104.8	89.5	74.2	71.1	39.0	37.1	100.3	71.8	



MORTALITY LEADERS

The following tables contain information concerning the most important causes of death. The total number of deaths registered from these causes was 3,571.

Diseases of infants, such as premature birth, congenital debility, etc., are not included under this heading.

As in previous years, heart diseases have the highest mortality rate.

TABLE 50.—MORTALITY LEADERS, 1938. RATES PER 100,000. (By Place of Residence.)

List No.	Causes	Urban		Rural		Province	
		No.	Rate	No.	Rate	No.	Rate
11.....	Influenza .....	35	19.5	119	15.6	154	16.4
23-32.....	Tuberculosis .....	40	22.3	231	30.3	271	28.8
45-53.....	Cancer .....	146	81.3	495	65.0	641	68.1
90-95.....	Heart diseases .....	233	129.8	758	99.5	991	105.3
96-97-99-102	Diseases of the arteries	129	71.9	378	49.6	507	53.9
107-109.....	Pneumonia and broncho- pneumonia .....	87	48.5	342	44.9	429	45.6
130-132.....	Nephritis (acute and chronic) .....	55	30.6	214	28.1	269	28.6
176-194.....	Accidental deaths .....	66	36.8	243	31.9	309	32.8

TABLE 51.—MORTALITY LEADERS, 1926-1938, AND RATES PER 100,000.

List No.	Causes	1926-1930		1931-1935		1936		1937		1938	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
11.....	Influenza .....	1,607	37.9	1,143	24.6	282	30.3	404	43.0	154	16.4
23-32.....	Tuberculosis .....	1,935	44.9	1,469	31.6	279	30.0	303	32.3	271	28.8
45-53.....	Cancer .....	2,293	53.2	3,013	64.8	710	76.3	689	73.4	641	68.1
90-95.....	Heart diseases .....	2,927	67.9	3,819	82.1	877	94.2	879	93.6	991	105.3
96-97-99-102	Diseases of the arteries .....	1,003	23.3	1,363	29.3	386	41.5	438	46.6	507	53.9
107-109.....	Pneumonia and bronchopneumonia .....	2,629	61.0	2,209	47.5	440	47.3	567	60.4	429	45.6
130-132.....	Nephritis (acute and chronic) .....	1,161	26.9	1,314	28.2	246	26.4	268	28.5	269	28.6
176-194.....	Accidental deaths .....	1,769	41.0	1,700	36.6	360	38.7	352	37.5	309	32.8

## INFLUENZA

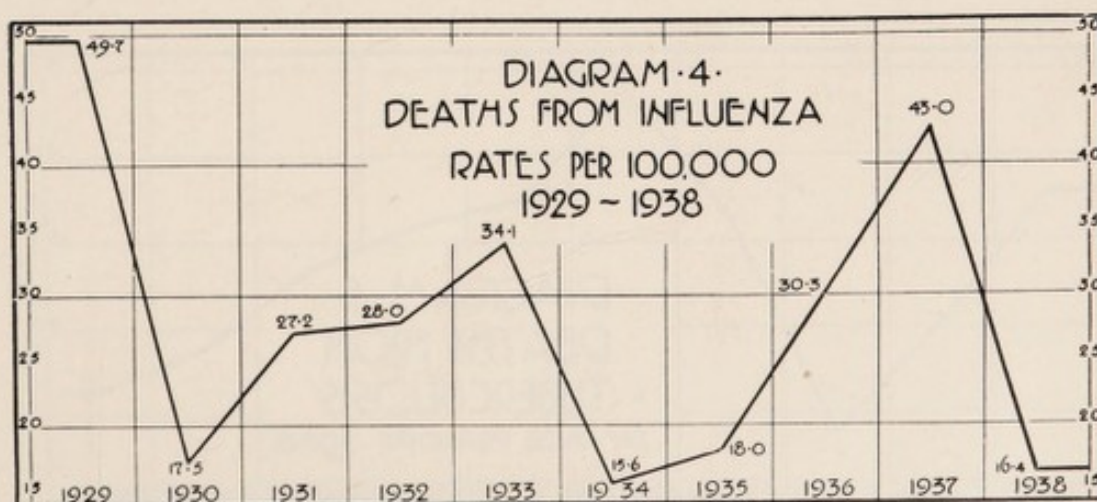
Deaths registered from this cause numbered 154 in 1938, a decrease of 250 from 1937. The death rate for the year was 16.4.

TABLE 52.—DEATHS FROM INFLUENZA AND RATES PER 100,000 BY MONTHS, 1938.

Month	Male	Female	Total	Rate
January .....	9	9	18	23.0
February .....	13	6	19	24.2
March .....	17	6	23	29.3
April .....	13	11	24	30.6
May .....	11	6	17	21.7
June .....	2	2	4	5.1
July .....	1	..	1	1.3
August .....	3	2	5	6.4
September .....	5	2	7	8.9
October .....	8	4	12	15.3
November .....	7	8	15	19.1
December .....	3	6	9	11.5
Total .....	92	62	154	16.4

TABLE 53.—DEATHS FROM INFLUENZA AND RATES PER 100,000 OF POPULATION IN EACH AGE PERIOD, 1938.

Age	Male	Female	Total	Rate per 100,000	Percentage of total deaths in each period
Under 5 years .....	20	17	37	39.1	3.1
5- 9 years .....	2	1	3	2.9	2.1
10-14 years .....	2	..	2	1.9	2.0
15-19 years .....	1	3	4	3.8	2.8
20-29 years .....	8	3	11	6.7	4.5
30-39 years .....	5	3	8	7.1	2.8
40-49 years .....	8	6	14	13.0	3.3
50-59 years .....	8	11	19	22.7	2.5
60-69 years .....	11	6	17	42.7	1.8
70-79 years .....	15	6	21	117.7	1.9
80 years and over .....	12	6	18	417.6	2.4
All ages .....	92	62	154	16.4	2.5





## TUBERCULOSIS

The deaths from this cause number 271, a decrease of 32 over 1937.

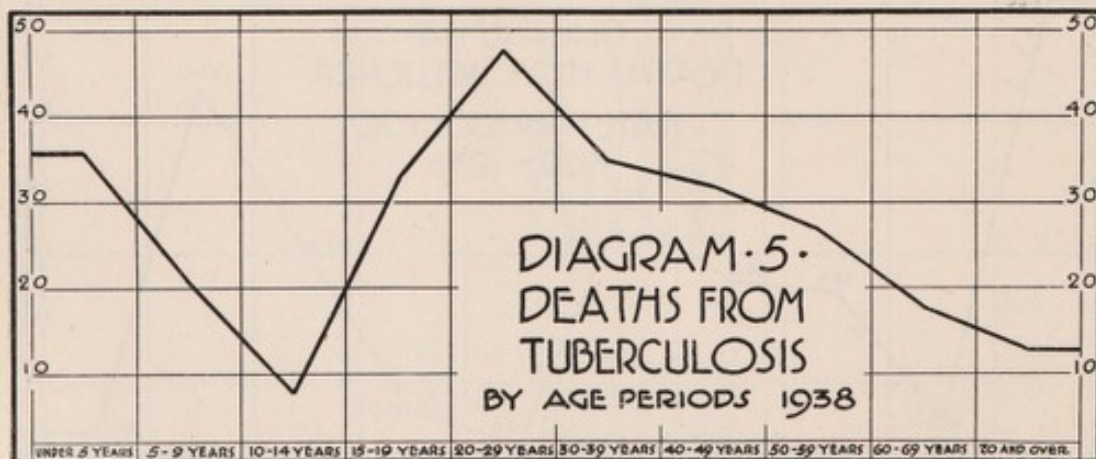
The following rural municipalities are in restricted areas for the eradication of bovine tuberculosis: Wolseley 155, Indian Head 156, South Qu'Appelle 157, Edenwold 158, Sherwood 159, Abernethy 186, North Qu'Appelle 187, Lumsden 189, Tullymet 216, Lipton 217, Cupar 218, Longlaketon 219, McKillop 220, Millington 249, Last Mountain 250, Big Arm 251, Mount Hope 279, Wreford 280, Wood Creek 281, Morris 312, Lost River 313, Dundurn 314, Montrose 315, Blucher 343, Cory 344, Loganton 345, Warman 374 and Park 375.

The deaths under 15 years of age from tuberculosis in these municipalities were as follows:

R.M.	No. of deaths	Cause of death	Age at death
156	2	Tuberculous meningitis .....	1 ..... 6 years
		Intestinal tuberculosis .....	1 ..... 4 months
186	1	Tuberculous meningitis .....	1 ..... 4 years
187	1	Miliary tuberculosis .....	1 ..... 2 years
314	1	Miliary tuberculosis .....	1 ..... 6 years

TABLE 54.—DEATHS FROM TUBERCULOSIS AND RATE PER 100,000 OF POPULATION IN EACH AGE PERIOD, 1938.

Age	Male	Female	Total	Rate per 100,000	Percentage of total deaths in each period
Under 5 years .....	18	18	36	38.0	3.0
5- 9 years .....	8	13	21	20.3	14.6
10-14 years .....	3	5	8	7.5	8.1
15-19 years .....	13	20	33	31.2	23.4
20-29 years .....	25	23	48	29.4	19.4
30-39 years .....	22	13	35	31.0	12.4
40-49 years .....	23	9	32	29.7	7.6
50-59 years .....	20	7	27	32.2	3.5
60-69 years .....	13	5	18	45.2	1.9
70-79 years .....	3	6	9	50.4	.8
80 years and over .....	3	1	4	92.8	.5
All ages .....	151	120	271	28.8	4.5



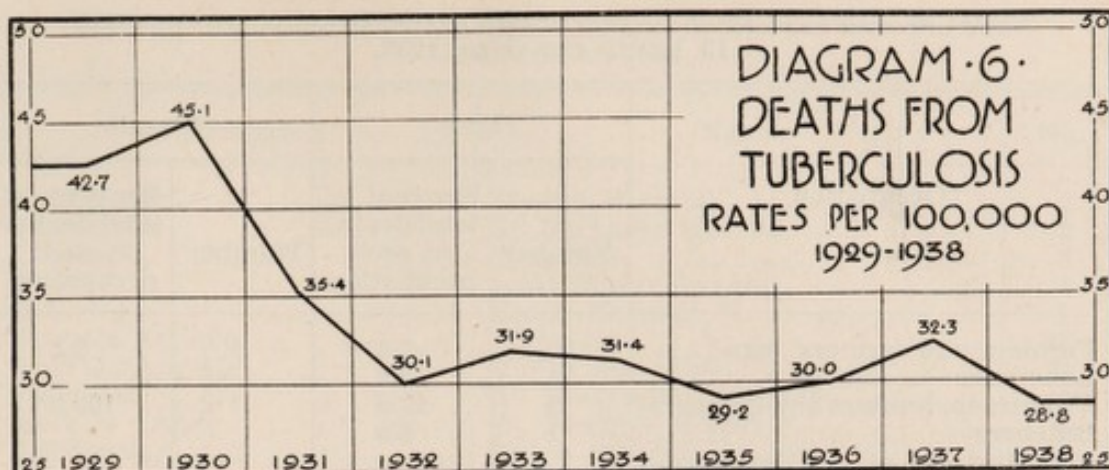


TABLE 55.—DEATHS FROM TUBERCULOSIS BY BIRTHPLACE OF DECEASED, 1938.

Birthplace	Number	Percentage of total deaths from tuberculosis
Prince Edward Island .....	1	0.4
Nova Scotia .....	3	1.1
Quebec .....	4	1.5
Ontario .....	15	5.5
Manitoba .....	12	4.4
Saskatchewan .....	157	57.9
Alberta .....	1	0.4
<b>Total for Canada .....</b>	<b>193</b>	<b>71.2</b>
United Kingdom .....	19	7.0
United States .....	13	4.8
Other countries .....	44	16.2
<b>Total for other countries .....</b>	<b>76</b>	<b>28.0</b>
Not specified .....	2	0.7

TABLE 56.—DEATHS FROM TUBERCULOSIS BY OCCUPATION OF DECEASED, 15 YEARS AND OVER, 1938.

Occupation	Male		Female	
	Number	Per cent. of total deaths in each occupation	Number	Per cent. of total deaths in each occupation
Farmers and farmers' sons .....	50	2.8	1	2.2
Labourers .....	24	12.6	..	....
Fishermen, hunters and trappers .....	5	17.9	1	100.0
Butchers .....	1	5.0	..	....
Manufacture of textile goods and wearing apparel .....	1	25.0	2	33.3
Manufacture of metal products .....	4	8.2	..	....
Jewelers .....	1	50.0	..	....
Manufacture of non-metallic mineral products .....	1	50.0	..	....
Building and construction .....	4	4.5	..	....
Transportation and communication .....	2	7.1	..	....
Trade .....	4	2.5	..	....
Public administration and defence .....	2	4.9	..	....
Professional service .....	2	2.6	..	....
Personal workers .....	3	4.3	59	3.7
Office employees .....	4	11.8	..	....
No occupation .....	14	18.2	20	19.0
Occupation not available .....	..	....	1	33.3

TABLE 57.—PROPORTIONATE MORTALITY (stillbirths excluded) FROM TUBERCULOUS DISEASES BY DIVISIONAL PERIODS OF LIFE, 1921-1938.

Year	Under 20		20-39		40-59		60 and over	
	Tuber- culous dis- eases	All other causes	Tuber- culous dis- eases	All other causes	Tuber- culous dis- eases	All other causes	Tuber- culous dis- eases	All other causes
1921-30	3.9%	96.1%	19.2%	80.8%	7.0%	93.0%	1.7%	98.3%
1931-35	4.7%	95.3%	17.1%	82.9%	5.4%	94.6%	1.0%	99.0%
1936 .....	4.5%	95.5%	15.0%	85.0%	4.6%	95.4%	1.4%	98.6%
1937 .....	4.7%	95.3%	13.8%	86.2%	5.6%	94.4%	1.1%	98.9%
1938 .....	6.2%	93.8%	15.7%	84.3%	5.0%	95.0%	1.1%	98.9%

TABLE 58.—DEATHS FROM TUBERCULOSIS IN PUBLIC AND PRIVATE INSTITUTIONS, 1938.

Location	Name	No.
Battleford	Mental Hospital	2
Broadview	St. Michael's Hospital	2
Canora	Hospital	1
Edam	Lady Minto Hospital	1
Eston	Union Hospital	1
Fort Qu'Appelle	Fort San	32
Fort Qu'Appelle	Indian Hospital	10
Humboldt	St. Elizabeth's Hospital	1
Ile a la Crosse	St. Joseph's Hospital	5
Kelvington	Union Hospital	1
Lestock	St. Joseph's Hospital	1
Lloydminster	Hospital	1
Maple Creek	General Hospital	1
Melfort	Lady Minto Hospital	2
Moose Jaw	Providence Hospital	4
North Battleford	Notre Dame Hospital	2
North Battleford	Providence Hospital	13
Prince Albert	Holy Family Hospital	6
Prince Albert	Sanatorium	33
Prince Albert	Victoria Hospital	2
Rabbit Lake	Rose Gill Hospital	1
Regina	General Hospital	14
Regina	Grey Nuns Hospital	1
Rosetown	Union Hospital	1
Saskatoon	City Hospital	4
Saskatoon	Sanatorium	25
Saskatoon	St. Paul's Hospital	3
Weyburn	Provincial Hospital	11
Wolseley	Home for the Infirm	1
Yorkton	Queen Victoria Hospital	2

## CANCER

Cancer deaths registered in 1938 numbered 641, a decrease of 48 from 1937. The rate per 100,000 of population was 68.1.

TABLE 59.—DEATHS FROM CANCER BY ORGANS AND SEX AND RATE PER 100,000 POPULATION, 1938.

Organ	Male	Female	Total	Rate per 100,000
Buccal cavity and pharynx	12	1	13	1.4
Digestive tract and peritoneum	211	130	341	36.2
Respiratory organs	26	11	37	3.9
*Uterus	.....	45	45	10.2
*Other female genital organs	.....	13	13	3.0
Breast	1	44	45	4.8
*Male genito-urinary organs	59	.....	59	11.7
Skin	8	6	14	1.5
Other or unspecified organs	38	36	74	7.9
Total	355	286	641	68.1

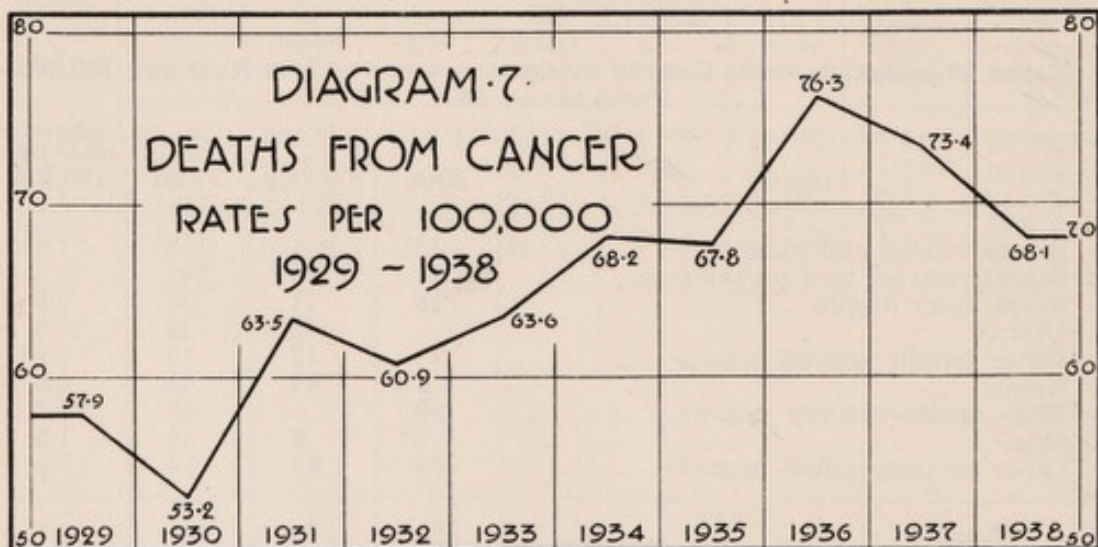
\*Rate for male or female population.

TABLE 60.—DEATHS FROM CANCER AND RATES PER 100,000 IN EACH AGE PERIOD, 1938.

Age	Male	Female	Total	Rate per 100,000 in each period	Percentage of total deaths in each period
Under 20 years .....	8	9	17	4.1	1.1
20-29 years .....	4	4	8	4.9	3.2
30-39 years .....	11	12	23	20.4	8.1
40-49 years .....	37	42	79	73.2	18.8
50-59 years .....	78	65	143	170.6	18.6
60-69 years .....	99	62	161	404.7	17.1
70-79 years .....	88	67	155	868.4	14.2
80 and over .....	30	24	54	1,252.9	7.3
Unknown .....	....	1	1	45.9	10.0
<b>Total .....</b>	<b>355</b>	<b>286</b>	<b>641</b>	<b>68.1</b>	<b>10.5</b>

TABLE 61.—DEATHS FROM CANCER, 1914-1938. RATES PER 100,000 AND RATES PER 1,000 DEATHS FROM ALL CAUSES.

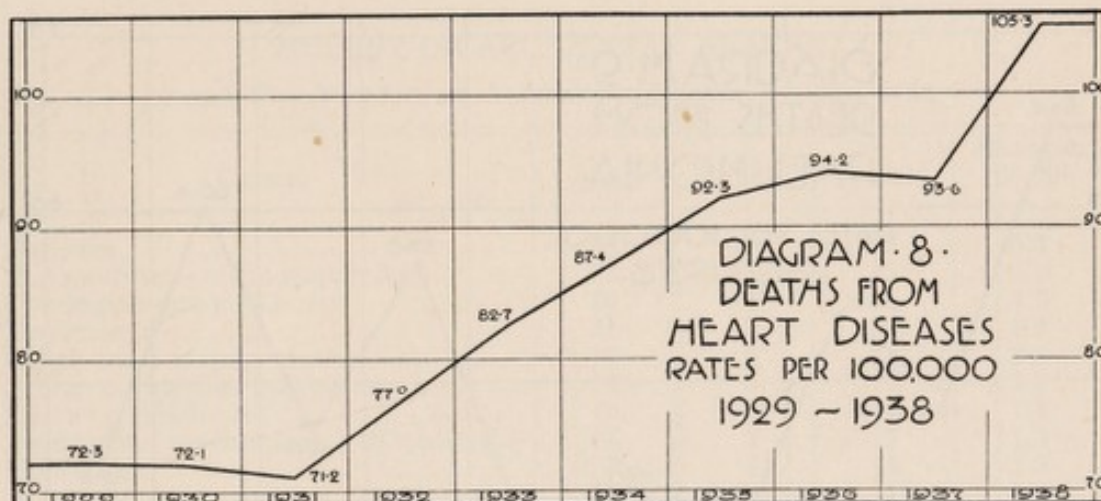
Year	Number of deaths	Rate per 100,000	Rate per 1,000 deaths from all causes
1914-1920 .....	1,355	29.2	32.8
1921-1930 .....	3,972	48.4	63.8
1931-1935 .....	3,013	64.8	99.8
1936 .....	710	76.3	112.4
1937 .....	689	73.4	99.5
1938 .....	641	68.1	105.4



## HEART DISEASES

TABLE 62.—DEATHS FROM HEART DISEASES AND RATE PER 100,000 IN EACH AGE PERIOD, 1938.

Age	Male	Female	Total	Rate per 100,000 in each period	Percentage of total deaths in each period
Under 10 years .....	1	4	5	2.5	.4
10-19 years .....	4	5	9	4.2	3.7
20-29 years .....	15	6	21	12.9	8.5
30-39 years .....	12	11	23	20.4	8.1
40-49 years .....	37	21	58	53.8	13.8
50-59 years .....	128	38	166	198.0	21.6
60-69 years .....	173	72	245	615.9	26.0
70-79 years .....	177	106	283	1,585.6	25.9
80 years and over..	107	73	180	4,176.3	24.2
Unknown .....	1	....	1	45.9	10.0
All ages .....	655	336	991	105.3	16.3



## DISEASES OF THE ARTERIES

TABLE 63.—DEATHS FROM DISEASES OF THE ARTERIES BY AGE AND SEX, 1938.

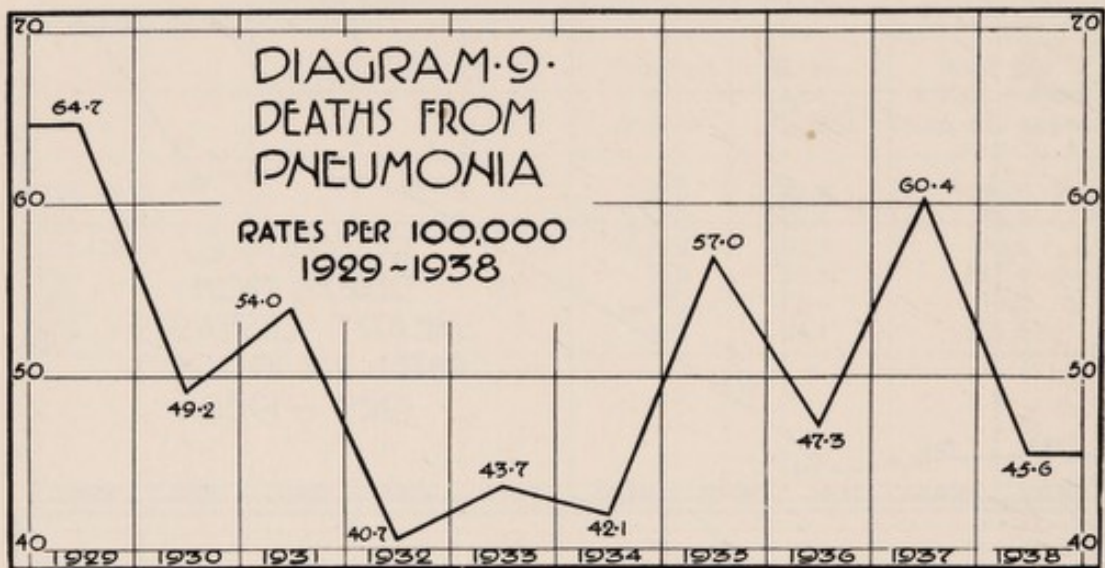
Age	Male	Female	Total
Under 20 years .....	..	1	1
30-39 years .....	4	2	6
40-49 years .....	7	10	17
50-59 years .....	41	31	72
60-69 years .....	65	42	107
70-79 years .....	98	79	177
80 years and over .....	65	62	127
All ages .....	280	227	507

## PNEUMONIA

Registrations of deaths from pneumonia totalled 429 in 1938. This is a decrease of 138 from the 1937 total of 567. The 1938 death rate was 45.6.

TABLE 64.—DEATHS FROM PNEUMONIA AND RATES PER 100,000 IN EACH AGE PERIOD, 1938.

Age	Male	Female	Total	Rate per 100,000	Percentage of total deaths in each period
Under 5 years .....	98	74	172	18.1	14.5
5- 9 years .....	6	8	14	13.5	9.7
10-14 years .....	4	6	10	9.3	10.1
15-19 years .....	6	7	13	12.3	9.2
20-29 years .....	7	7	14	8.6	5.7
30-39 years .....	12	7	19	16.8	6.7
40-49 years .....	15	5	20	18.5	4.8
50-59 years .....	25	12	37	44.1	4.8
60-69 years .....	25	17	42	105.6	4.5
70-79 years .....	26	21	47	263.3	4.3
80 years and over .....	25	16	41	951.3	5.5
All ages .....	249	180	429	45.6	7.1



## NEPHRITIS

TABLE 65.—DEATHS FROM NEPHRITIS (ACUTE AND CHRONIC) BY AGE AND SEX, 1938.

Age	Male	Female	Total
Under 5 years .....	1	2	3
5- 9 years .....	1	1	2
10-14 years .....	..	2	2
15-19 years .....	3	..	3
20-29 years .....	2	1	3
30-39 years .....	3	4	7
40-49 years .....	6	5	11
50-59 years .....	28	21	49
60-69 years .....	47	29	76
70-79 years .....	41	32	73
80 years and over .....	20	19	39
Unknown .....	..	1	1
All ages .....	152	117	269

## ACCIDENTAL DEATHS

TABLE 66.—ACCIDENTAL DEATHS (176-194), AND RATE PER 100,000 IN EACH AGE PERIOD, 1938

Age	Male	Female	Total	Rate per 100,000	Percentage of total deaths in each period
Under 5 years.....	29	17	46	48.6	3.9
5- 9 years .....	17	7	24	23.2	16.7
10-14 years .....	9	4	13	12.1	13.1
15-19 years .....	17	1	18	17.0	12.8
20-29 years .....	20	9	29	17.8	11.7
30-39 years .....	27	4	31	27.4	11.0
40-49 years .....	28	4	32	29.7	7.6
50-59 years .....	28	3	31	37.0	4.0
60-69 years .....	24	3	27	67.9	2.9
70-79 years .....	16	11	27	151.3	2.5
80 years and over...	14	16	30	696.1	4.0
Unknown .....	1	..	1	45.9	10.0
All ages .....	230	79	309	32.8	5.1

## VIOLENT OR ACCIDENTAL DEATHS

TABLE 67.—VIOLENT OR ACCIDENTAL DEATHS BY SEX, 1938

Causes	Male	Female	Total	Rate per 100,000
Suicides .....	68	10	78	8.3
Automobiles and motorcycles.....	32	17	49	5.2
Conflagrations and burns.....	19	16	35	3.7
Drownings .....	31	2	33	3.5
Other land transportation.....	17	5	22	2.3
Acute accidental poisonings.....	14	5	19	2.0
Railway accidents .....	15	1	16	1.7
Accidental mechanical suffocation...	13	2	15	1.6
Homicides .....	8	6	14	1.5
Firearms .....	10	1	11	1.2
Injuries by animals.....	10	..	10	1.1
Excessive cold .....	8	..	8	.9
Other accidental or violent deaths....	62	31	93	9.9
Total .....	307	96	403	42.8

TABLE 68.—SUICIDES BY MONTH AND SEX, 1938

Month	Male	Female	Month	Male	Female
January .....	3	..	July .....	3	1
February .....	7	..	August .....	7	3
March .....	5	..	September .....	2	..
April .....	5	1	October .....	16	1
May .....	4	1	November .....	4	1
June .....	9	..	December .....	3	2
Total.....				68	10



SUICIDES BY CONJUGAL CONDITION, 1938

Single .....	28
Married .....	41
Widowed .....	7
Divorced .....	2

TABLE 69.—ALL VIOLENT OR ACCIDENTAL DEATHS BY MONTHS, 1938

Month	Male	Female	Month	Male	Female
January .....	18	5	July .....	37	11
February .....	14	4	August .....	28	16
March .....	20	12	September .....	26	4
April .....	21	4	October .....	44	5
May .....	33	13	November .....	22	7
June .....	26	9	December .....	18	6
Total .....			307	96	

ALL VIOLENT OR ACCIDENTAL DEATHS BY CONJUGAL CONDITION, 1938

Under 15 years of age.....	87
Single .....	112
Married .....	159
Widowed .....	43
Not stated .....	2

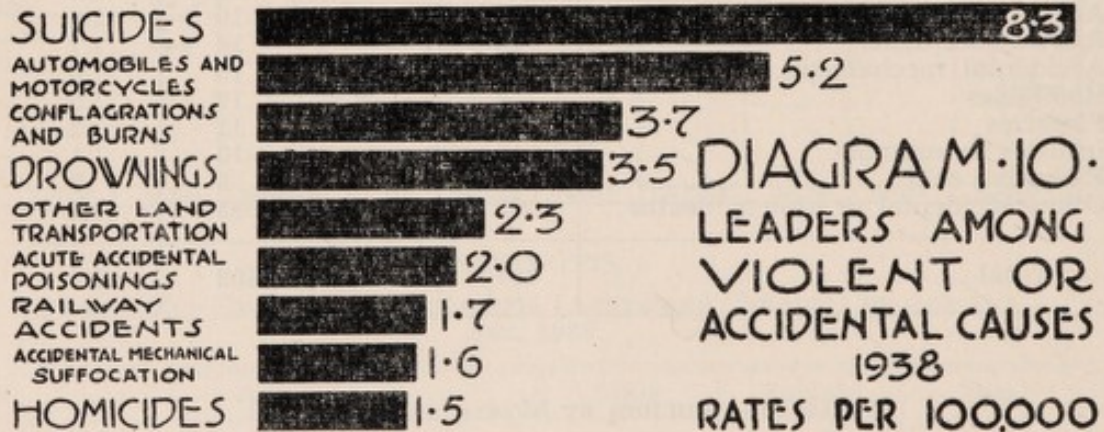


TABLE 70.—DEATHS, 1938. AUTOMOBILE ACCIDENTS, RESULTS OF INVESTIGATION OF 37 OUT OF 49 DEATHS.

Place of Accident	Conveyance	Condition of road	Sex of operator	Weather
Highway .....	23 Automobile 30	Good .....	Male .....	Fine .....
Country road .....	5 Motor truck 7	Bad .....	Female ..	Stormy....
Railway crossing .....		Fair .....		Unknown 4
City street .....		Unknown 4		
Town street.....				
Private property 2				

Rate of Travel per Hour	Nature of Accident	By Months
Under 10 miles....	6 Run over while on foot.....	12 April .....
10-19 miles.....	2 Motor vehicle left road and overturned	10 May .....
20-29 miles.....	2 Head-on collision .....	7 June .....
30-39 miles.....	3 Rear end collision.....	3 July .....
40-49 miles.....	2 Struck by train.....	3 August .....
50-59 miles.....	6 Tire blew out.....	2 September 5
60-69 miles.....		October ... 5
Unknown .....	15	November 4
		December.. 1

## STILLBIRTHS

TABLE 71.—STILLBIRTHS, 1926-1938

Year	Total Pregnancies	Stillbirths	
		No.	Rate per 1,000 Pregnancies
1926-1930 .....	109,245	2,756	25.2
1931-1935 .....	103,804	2,439	23.5
1936 .....	19,297	431	22.3
1937 .....	18,785	398	21.2
1938 .....	18,351	370	20.2

TABLE 72.—STILLBIRTHS BY MONTHS AND NUMBER PER 1,000 BIRTHS, 1938

Month	All births	Stillbirths	Stillbirths per 1,000 births
January .....	1,514	43	28.4
February .....	1,463	30	20.5
March .....	1,659	31	18.7
April .....	1,591	25	15.7
May .....	1,537	30	19.5
June .....	1,515	26	17.2
July .....	1,727	37	21.4
August .....	1,674	29	17.3
September .....	1,575	26	16.5
October .....	1,582	39	24.7
November .....	1,381	21	15.2
December .....	1,382	33	23.9
Total .....	18,600	370	19.9

## INFANT MORTALITY

Registration of deaths of children under one year of age numbered 941 in 1938. This is a decrease of 304 from 1937. The rate per 1,000 living births was 51.6.

Rates for infant mortality for all the provinces are given in Table 10. These rates are given without the decimal point, and all, with the exception of the rate for Saskatchewan, are preliminary and subject to final revision.

TABLE 73.—DEATHS OF CHILDREN UNDER ONE YEAR (exclusive of Stillbirths) BY AGE AT DEATH, 1938

Ages		Number	Ages		Number	
All infants	Total	941	1 month and under			
	M.	541	2 months	Total	80	
	F.	400		M.	45	
Under 1 day	Total	161		F.	35	
	M.	93	2 months and under			
	F.	68	3 months	Total	80	
1 day	Total	58		M.	41	
	M.	37		F.	39	
	F.	21	3 months and under			
2 days	Total	51	4 months	Total	54	
	M.	32		M.	36	
	F.	19		F.	18	
3 days	Total	33	4 months and under			
	M.	20	5 months	Total	51	
	F.	13		M.	33	
4 days	Total	28		F.	18	
	M.	18	5 months and under			
	F.	10	6 months	Total	56	
5 days	Total	14		M.	32	
	M.	9		F.	24	
	F.	5	6 months and under			
6 days	Total	14	7 months	Total	34	
	M.	8		M.	20	
	F.	6		F.	14	
Under 1 week	Total	359	7 months and under			
	M.	217	8 months	Total	32	
	F.	142		M.	12	
1 week and under				F.	20	
	2 weeks	Total	70	8 months and under		
	M.	38	9 months	Total	22	
2 weeks and under				M.	13	
	3 weeks	Total	28		F.	9
	M.	17	9 months and under			
3 weeks and under			10 months	Total	20	
	1 month	Total	27		M.	9
	M.	14		F.	11	
Under 1 month			10 months and under			
			11 months	Total	15	
				M.	9	
				F.	6	
			11 months and under			
			12 months	Total	13	
				M.	5	
				F.	8	

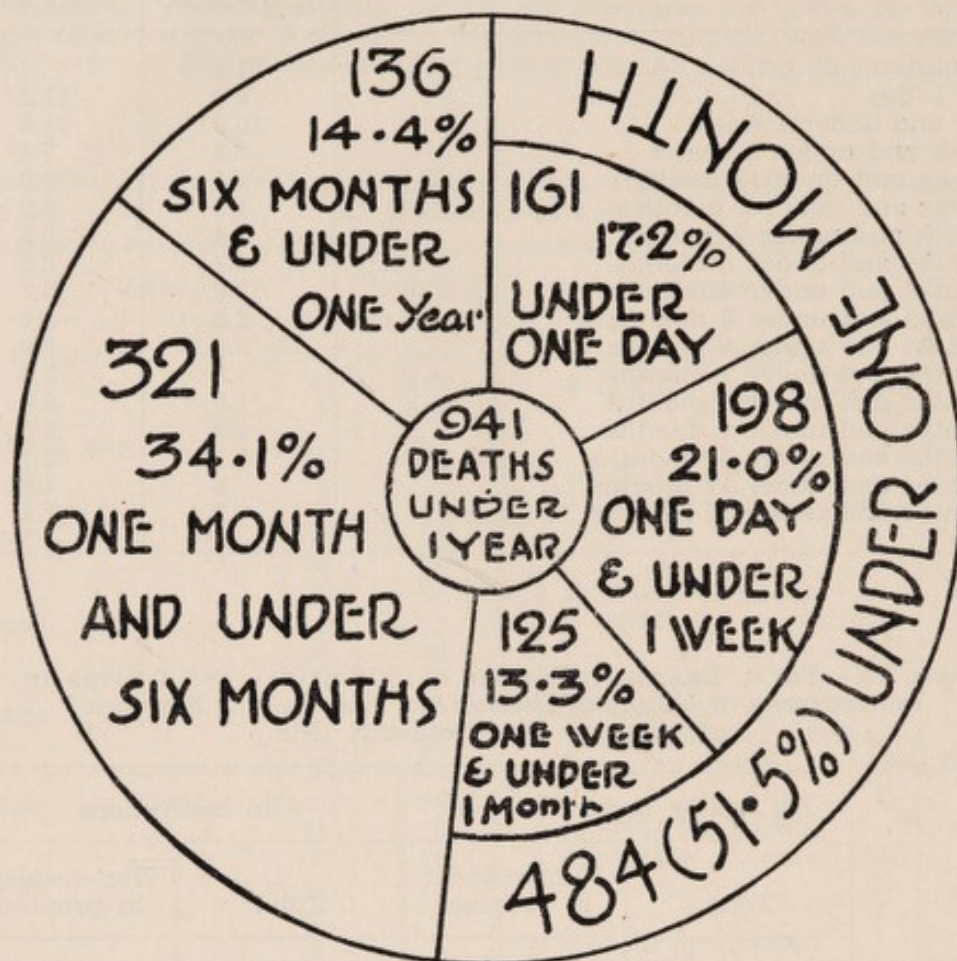
TABLE 74.—INFANT MORTALITY, 1938, DEATH RATES (exclusive of Stillbirths)

Age	Death rate per 1,000 living births	Percentage of infant mortality
All infants .....	51.6	....
Under 1 day .....	8.8	17.2
1 day and under 1 week .....	10.9	21.0
1 week and under 2 weeks .....	3.8	7.4
2 weeks and under 3 weeks .....	1.5	3.0
3 weeks and under 1 month .....	1.5	2.9
1 month and under 2 months .....	4.4	8.5
2 months and under 3 months .....	4.4	8.5
3 months and under 4 months .....	3.0	5.7
4 months and under 5 months .....	2.8	5.4
5 months and under 6 months .....	3.1	6.0
6 months and under 7 months .....	1.9	3.6
7 months and under 8 months .....	1.8	3.4
8 months and under 9 months .....	1.2	2.3
9 months and under 10 months .....	1.1	2.1
10 months and under 11 months .....	.8	1.6
11 months and under 12 months .....	.7	1.4

TABLE 75.—TOTAL DEATHS (exclusive of Stillbirths) AND DEATHS IN INSTITUTIONS OF CHILDREN UNDER ONE YEAR OF AGE SHOWING THE NUMBER NON-RESIDENT, 1938

	All deaths under one year						In institutions					
	Total			Non-resident in province			Total			Non-resident in province		
	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.
Total for the province ..	941	541	400	7	4	3	355	203	152	6	4	2

# INFANT MORTALITY



## DIAGRAM-11-1938

TABLE 76.—INFANT MORTALITY, 1938. DEATH RATE BY MONTHS IN PROVINCE.

Months	Number of deaths	Rate per 1,000 living births	Percentage of infant mortality
January .....	78	4.3	8.3
February .....	79	4.3	8.4
March .....	86	4.7	9.2
April .....	83	4.6	8.8
May .....	70	3.8	7.4
June .....	69	3.8	7.3
July .....	83	4.6	8.8
August .....	58	3.2	6.2
September .....	82	4.5	8.7
October .....	97	5.3	10.3
November .....	80	4.4	8.5
December .....	76	4.2	8.1
Year .....	941	51.6	.....

TABLE 77.—INFANT MORTALITY BY MONTHS IN INDIVIDUAL CITIES, 1938.  
(By Place of Residence. Stillbirths excluded.)

Month	Moose Jaw	North Battle- ford	Prince Albert	Regina	Saska- toon	Swift Current	Wey- burn	York- ton
January .....	..	1	..	4	3	..	1	..
February .....	..	..	..	5	2	..	..	..
March .....	1	1	..	2	1	1	..	..
April .....	..	..	..	2	2	..	1	..
May .....	2	..	2	..	1	1	..	..
June .....	2	..	1	..	2	..	..	..
July .....	1	..	1	5	2	..	..	..
August .....	1	..	1	2	2	..	1	..
September ..	2	..	4	3	1	1	..	..
October .....	1	..	1	2	1	1	1	..
November ..	1	..	3	5	2	1	..	2
December ..	1	..	1	5	4	1	..	..
Total .....	12	2	14	35	23	6	4	2
Rate per 1,000 liv- ing births	36.8	27.0	61.4	37.2	43.2	72.3	60.6	23.5

TABLE 78.—INFANT MORTALITY, 1938 (exclusive of Stillbirths). CLASSIFIED  
ACCORDING TO RACIAL ORIGIN OF DECEDENTS, AND DEATH RATE PER  
1,000 LIVING BIRTHS OF EACH RACE.

Racial origin	Number	Rate per 1,000 living births
All origins .....	941	51.6
English .....	100	34.7
Irish .....	51	29.0
Scottish .....	62	33.4
Welsh .....	3	26.1
French .....	70	56.6
Austrian .....	12	59.7
Czech and Slovak .....	7	68.6
Danish .....	8	55.6
Dutch .....	30	54.5
German .....	184	48.2
Hungarian .....	35	104.5
Indian .....	137	192.7
Italian .....	3	23.8
Norwegian .....	36	47.1
Polish .....	37	62.5
Roumanian .....	8	57.6
Russian .....	23	52.6
Swedish .....	17	43.7
Ukrainian (¹) .....	103	57.4
Others and not specified .....	15	38.1

(¹) Including "Galician" and "Bukovinian".

TABLE 79.—INFANT MORTALITY, 1938. DEATH RATES PER 1,000 LIVING BIRTHS BY COUNTRY OF BIRTH OF MOTHER.

Country of birth of mother	Number of births	Infant mortality	
		Number	Rate
Total .....	18,230	941	51.6
Canada .....	12,979	677	52.2
British Countries .....	964	40	41.5
Austria .....	386	27	69.9
Belgium .....	30	2	66.7
France .....	34	1	29.4
Germany .....	199	10	50.3
Hungary .....	148	15	101.4
Poland .....	553	31	56.1
Roumania .....	119	7	58.8
Russia <sup>(1)</sup> .....	819	42	51.3
Scandinavian Countries .....	205	8	39.0
United States .....	1,634	67	41.0
Other countries and not specified .....	160	14	87.5

(<sup>1</sup>) Including the Ukraine.

TABLE 80.—INFANT MORTALITY, 1938. RATES PER 1,000 LIVING BIRTHS BY PRINCIPAL CAUSES AND BY SEX.

	Male	Female	Total
All causes .....	57.7	45.2	51.6
Communicable diseases (1-44) .....	3.8	4.0	3.9
Bronchopneumonia and pneumonia (107-109)....	7.6	6.1	6.9
Diarrhœa and enteritis (119) .....	7.4	5.8	6.6
Congenital malformation (157) .....	4.7	3.6	4.2
Congenital debility (158) .....	2.2	2.6	2.4
Premature birth (159) .....	15.0	12.1	13.6
Injury at birth (160) .....	5.5	2.6	4.1
Other diseases peculiar to early infancy (161)....	4.4	2.7	3.6
All other causes .....	7.0	5.8	6.4

TABLE 81.—INFANT MORTALITY, 1926-1938. RATES PER 1,000 LIVING BIRTHS BY PRINCIPAL CAUSES.

	1926-1930	1931-1935	1936	1937	1938
All causes .....	73.3	61.9	53.9	66.8	51.6
Communicable diseases (1-44) .....	8.4	6.3	6.6	11.7	3.9
Bronchopneumonia and pneumonia (107-109) .....	9.7	8.4	7.1	11.2	6.9
Diarrhœa and enteritis (119) .....	7.7	6.0	5.4	7.3	6.6
Congenital malformation (157) .....	5.3	4.6	4.0	5.6	4.2
Congenital debility (158) .....	7.2	4.6	2.8	3.4	2.4
Premature birth (159) .....	18.1	16.1	14.4	14.5	13.6
Injury at birth (160) .....	3.2	3.6	2.5	3.2	4.1
Other diseases peculiar to early infancy (161) .....	4.8	4.6	4.0	3.3	3.6
All other causes .....	8.9	7.6	7.1	6.7	6.4

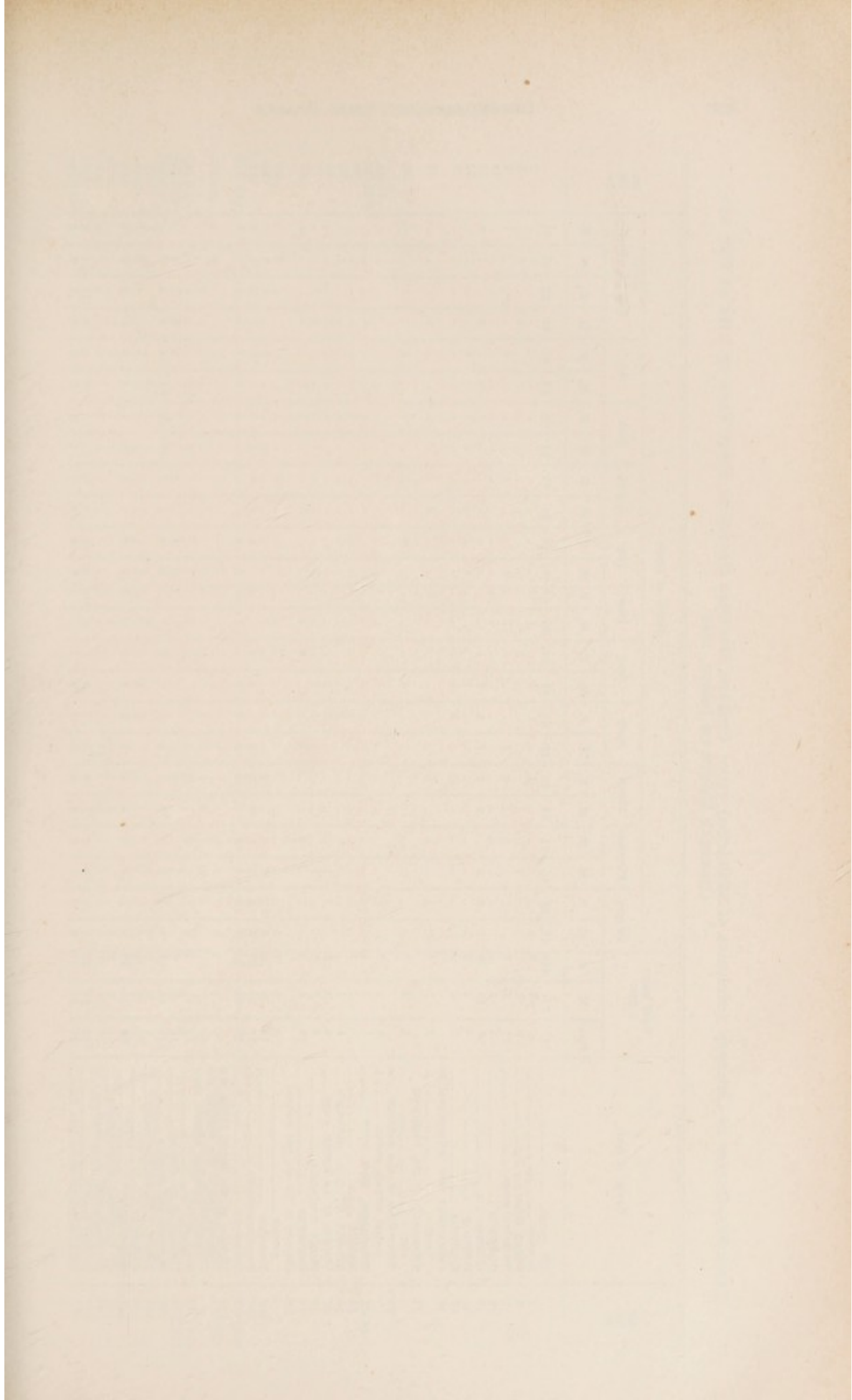








TABLE 83.—DEATHS OF CHILDREN (exclusive of Stillbirths) FROM CERTAIN

Int. list No.	Causes of death	Total under 1 year			Age at Death											
					Under 1 day		1 day and under 1 week		1 week and under 2 weeks		2 weeks and under 3 weeks		3 weeks and under 1 month		1 month and under 2 months	
		Total	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
	All causes .....	941	541	400	93	68	124	74	38	32	17	11	14	13	45	35
7	Measles .....	7	5	2	..	..	..	..	..	..	..	..	..	..	..	..
8	Scarlet fever .....	3	3	..	..	..	..	..	..	..	..	..	1	..	..	..
9	Whooping cough .....	11	4	7	..	..	..	..	..	..	..	..	..	..	2	2
10	Diphtheria .....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
11	Influenza .....	28	13	15	..	..	..	..	..	..	..	1	1	1	1	..
13	Dysentery .....	4	2	2	..	..	..	..	..	..	..	..	..	..	..	..
15	Erysipelas .....	2	1	1	..	..	..	..	..	..	1	..	..	..	..	..
16	Poliomyelitis and polio-encephalitis (acute) .....	2	1	1	..	..	..	..	..	..	..	..	..	..	..	..
23	Tuberculosis of the respiratory system .....	8	3	5	..	..	..	..	..	..	..	..	..	..	1	..
24	Tuberculosis of the meninges and central nervous system .....	2	1	1	..	..	..	..	..	..	..	..	..	1	..	..
25-32	Tuberculosis, other forms .....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
34	Syphilis .....	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
36	Purulent infection, septicaemia .....	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
67	Diseases of the thymus gland .....	6	4	2	..	..	..	2	..	..	..	..	..	..	2	..
79	Simple meningitis .....	8	6	2	..	..	..	..	..	1	..	..	..	..	1	..
86	Convulsions .....	12	6	6	..	..	1	1	..	1	..	..	..	..	1	1
89	Diseases of the ear and mastoid process .....	4	3	1	..	..	..	..	..	..	..	..	..	..	1	2
106	Bronchitis .....	10	5	5	..	..	..	..	..	1	..	..	..	..	..	..
107	Bronchopneumonia .....	67	39	28	..	..	1	1	1	1	..	..	3	3	4	1
108, 109	Pneumonia .....	58	32	26	..	1	2	..	1	..	..	..	1	..	2	2
115	Diseases of the buccal cavity and annexa and of the pharynx and tonsils (including adenoid vegetations) .....	4	..	4	..	..	..	..	..	..	..	1	..	..	..	..
116-118	Diseases of the stomach ..	12	5	7	..	..	..	..	2	..	..	..	..	2	2	2
119	Diarrhoea and enteritis ..	120	69	51	..	..	..	1	4	1	4	1	2	3	9	9
122	Hernia, intestinal obstruction .....	7	6	1	..	..	..	..	..	..	..	..	..	..	..	..
130	Nephritis .....	2	1	1	..	..	..	..	..	..	..	..	..	..	..	..
157	Malformations .....	76	44	32	6	6	10	7	5	5	4	1	1	1	7	3
	(a) Congenital hydrocephalus .....	6	3	3	..	..	..	1	1	..	..	..	..	..	..	..
	(c) Congenital malformations of the heart ..	31	20	11	1	4	9	3	1	..	2	1	..	..	1	..
	(b, d, e) Others under this title .....	39	21	18	5	2	1	3	3	5	2	..	1	1	6	3
158	Congenital debility .....	44	21	23	3	5	8	7	2	1	..	1	..	..	2	3
159	Premature birth .....	248	141	107	58	44	54	32	14	13	4	4	2	1	2	4
160	Injury at birth .....	75	52	23	15	8	30	11	2	2	..	..	1	..	2	..
161	Other diseases peculiar to early infancy (under 3 months) .....	65	41	24	9	2	17	11	9	6	2	1	..	..	3	3
	(a-e) Specified diseases ..	62	39	23	9	1	16	11	9	6	2	1	..	..	3	3
	(f) No cause given, no doctor in attendance ..	3	2	1	..	1	1	..	..	..	..	..	..	..	..	..
173-175	Homicide .....	3	2	1	2	1	..	..	..	..	..	..	..	..	..	..
176-198	Other external causes ..	14	11	3	..	..	..	..	..	..	..	..	1	..	1	..
	Other specified causes ..	29	14	15	..	..	1	..	..	..	..	1	1	..	1	3
199, 200	Unspecified or ill-defined causes .....	6	3	3	..	1	..	1	..	..	..	..	1	1	..	..



TABLE 84.—DEATHS OF CHILDREN UNDER ONE YEAR OF AGE (exclusive of Stillbirths) CLASSIFIED ACCORDING TO BIRTHPLACES OF PARENTS, 1938.

Birthplace of Father	Birthplace of Mother																				Total fathers					
	Canada						British Isles				Europe											United States	Not specified			
	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	England	Ireland	Scotland	Wales	Austria	Belgium	France	Germany	Hungary	Italy	Norway	Poland	Roumania	Russia (1)				Sweden	Other	Asia—China
Canada .....	11	18	35	394	4	1	9	2	4	1	2	1	1	1	2	1	2	2	2	6	6	1	1	1	23	2
Prince Edward Island .....	..	..	..	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nova Scotia .....	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
New Brunswick .....	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Quebec .....	6	..	4	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ontario .....	1	9	4	21	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Manitoba .....	1	1	17	32	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saskatchewan .....	2	7	9	319	1	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Alberta .....	..	1	..	7	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
British Columbia .....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
British Isles .....	..	..	..	18	..	..	10	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
England .....	..	2	4	13	..	..	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ireland .....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scotland .....	..	..	..	4	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wales .....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Europe .....	2	1	5	98	1	..	4	..	..	1	22	..	..	7	13	1	2	26	6	33	2	6	..	..	..	..
Austria .....	..	..	..	2	..	..	..	..	..	..	21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Belgium .....	..	..	..	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Denmark .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
France .....	..	..	..	4	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Germany .....	..	..	..	9	..	..	2	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..
Holland .....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hungary .....	..	..	..	8	..	..	..	..	..	..	..	..	..	..	13	..	..	..	..	..	..	..	..	..	..	..
Italy .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Norway .....	1	..	..	5	..	..	..	..	..	1	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..
Poland .....	..	..	1	18	..	..	..	..	..	..	..	..	..	..	..	..	..	24	..	2	..	..	..	..	..	..
Roumania .....	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Russia (1) .....	..	..	1	21	1	..	..	..	..	..	1	..	..	..	..	..	..	1	1	28	..	..	..	..	..	..
Sweden .....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other .....	12	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Asia .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
China .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
United States .....	1	4	3	28	3	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Not specified .....	..	..	3	37	3	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total mothers .....	3	12	25	50	575	11	25	3	10	2	27	2	1	10	15	1	5	31	7	42	3	6	1	67	6	6

(1) Including the Ukraine.

## MATERNAL MORTALITY

Deaths from puerperal causes totalled 46 in 1938. The death rate per 1,000 living births was 2.5. Rates for previous years and for all provinces are shown in Table 11.

TABLE 85.—MATERNAL MORTALITY. CAUSES OF DEATH, 1938.

Cause	Number of deaths	
	1937	1938
Abortion with septic conditions .....	19	8
Abortion without septic conditions .....	1	3
Ectopic gestation .....	5	1
Puerperal hæmorrhage .....	9	8
Puerperal septicæmia .....	22	9
Albuminuria and eclampsia .....	15	6
Other toxæmias of pregnancy .....	3	..
Phlegmasia alba dolens, etc. ....	8	9
Other accidents of childbirth .....	4	2
Total .....	86	46

TABLE 86.—ASSOCIATED DISEASES OF MATERNAL DEATHS, 1938.

Disease	No.	Married	Age			
			15-24	25-29	30-34	35-39
Chronic nephritis .....	4	4	1	..	2	1
Heart diseases .....	4	4	..	..	1	3
Influenza .....	1	1	..	..	1	..
Jaundice .....	1	..	..	..	1	..
Pneumonia .....	1	1	..	..	..	1
Septic sore throat .....	1	1	..	1	..	..

TABLE 87.—MATERNAL MORTALITY BY AGE PERIODS, 1938.

Age period	Number
15-19 .....	2
20-24 .....	4
25-29 .....	8
30-34 .....	10
35-39 .....	15
40-44 .....	7
45-49 .....	..
Total .....	46

## DEATHS IN INSTITUTIONS

TABLE 88.—DEATHS IN PUBLIC AND PRIVATE INSTITUTIONS, 1938.  
(Exclusive of Stillbirths.)

Location and name of institution	Male	Female	Total
Abernethy Hospital	4	1	5
Antler Community Hospital	3	2	5
Arcola Brock Union Hospital	6	3	9
Assiniboia Union Hospital	8	3	11
Beechy Hospital		1	1
Bengough Hospital	1	1	2
Bienfait Community Hospital	3	5	8
Biggar St. Margaret's Hospital	3	4	7
Birch Hills General Hospital	2		2
Borden Cottage Hospital	1		1
Bracken Red Cross Outpost	2	1	3
Broadview St. Michael's Hospital	10	3	13
Cabri Union Hospital	12	5	17
Canora Hugh Waddell Memorial Hospital	18	14	32
Carragana Red Cross Outpost	2	6	8
Central Butte Enfield Victorian Hospital	1	2	3
Coronach Nursing Home	1		1
Cudworth St. Michael's Hospital	9	7	16
Cut Knife Community Hospital	3	2	5
Dinsmore Community Hospital	1	1	2
Dodsland Community Hospital	3	2	5
Eastend Jubilee Hospital	5	1	6
Eatonia Municipal Hospital	5	2	7
Edam Lady Minto Union Hospital	6	1	7
Elrose Community Hospital	3		3
Endeavour Red Cross Outpost	2		2
Estevan Hospital	15	4	19
Eston Union Hospital	10	6	16
Fort Qu'Appelle Indian Hospital	10	10	20
Fort San Sanatorium	21	14	35
Frontier Community Hospital	4	3	7
Goldfields Box Hospital	3	1	4
Gravelbourg St. Joseph's Hospital	15	6	21
Gull Lake Union Hospital	9	5	14
Hafford Hospital	1	4	5
Hepburn Nursing Home	1	1	2
Herbert Community Hospital	3	3	6
Hudson Bay Jct., Nursing Home	1	1	2
Humboldt St. Elizabeth's Hospital	22	17	39
Ile a la Crosse St. Joseph's Hospital	5	5	10
Indian Head Union Hospital	14	8	22
Kamsack General Hospital	1	1	2
Kamsack King Edward Hospital	11	7	18
Kelvington Union Hospital	7	6	13
Kerrobert Union Hospital	10	5	15
Kincaid Community Hospital	1		1
Kindersley Union Hospital	15	6	21
Kinistino Hospital	3	1	4
Kinistino Nursing Home	3	1	4
Lake Lenore Hospital	1	2	3
Lampman Union Hospital	4	3	7
Lashburn Union Hospital	16	5	21
Leader Hospital		1	1
Lestock St. Joseph's Hospital	4	1	5
Lloydminster United Union Hospital	19	12	31
Loon Lake Red Cross Outpost	8	6	14
Lucky Lake Community Hospital	1	1	2
Macklin St. Joseph's Hospital	15	13	28
Maple Creek General Hospital	11	6	17
Meadow Lake Hospital	14	3	17

TABLE 88.—DEATHS IN PUBLIC AND PRIVATE INSTITUTIONS, 1938.  
(Exclusive of Stillbirths)—Continued.

Location and name of institution	Male	Female	Total
Melfort Lady Minto Hospital.....	22	12	34
Melville Municipal Hospital.....	6	8	14
Melville St. Paul's Lutheran Old Folks Home.....	3	..	3
Milden Hospital.....	1	4	5
Moose Jaw Children's Aid Society.....	1	..	1
Moose Jaw General Hospital.....	68	35	103
Moose Jaw Providence Hospital.....	36	20	56
Moosomin General Hospital.....	9	7	16
Naicam Maternity Home.....	1	1	2
Nipawin Lady Grey Hospital.....	9	8	17
Nokomis Hospital.....	4	2	6
North Battleford Isolation Hospital.....	2	2	4
North Battleford Notre Dame Hospital...	33	19	52
North Battleford Provincial Hospital.....	59	23	82
Oxbow Union Hospital.....	3	4	7
Ponteix Gabriel Hospital.....	6	4	10
Preeceville Jubilee Hospital.....	6	2	8
Prince Albert Holy Family Hospital.....	61	33	94
Prince Albert Penitentiary.....	1	..	1
Prince Albert Sanatorium.....	16	17	33
Prince Albert Victoria Hospital.....	44	24	68
Quill Lake Nursing Home.....	1	..	1
Quill Lake Private Hospital.....	..	1	1
Rabbit Lake Rose Gill Hospital.....	9	8	17
Regina Babies Welfare Home.....	1	..	1
Regina General Hospital.....	166	91	257
Regina Grey Nuns Hospital.....	95	54	149
Regina Mercy Hospital.....	..	2	2
Rockglen Red Cross Outpost.....	..	2	2
Rosetown Union Hospital.....	16	8	24
Rose Valley Union Hospital.....	9	1	10
Rosthern St. John's Hospital.....	1	1	2
Rouleau Community Hospital.....	1	4	5
Saint Hubert's Mission Joan of Arc Home	15	3	18
Saskatoon Bethany Hospital.....	2	..	2
Saskatoon City Hospital.....	143	71	214
Saskatoon Nurse Wilton's Nursing Home	1	1	2
Saskatoon St. Paul's Hospital.....	79	45	124
Saskatoon Sanatorium.....	17	7	24
Scott Municipal Hospital.....	1	1	2
Shaunavon Union Hospital.....	21	6	27
Shellbrook Nursing Home.....	..	2	2
Smeaton W.M.S. Hospital.....	2	2	4
Star City Nursing Home.....	..	1	1
Spalding Linstead Nursing Home.....	..	1	1
Swift Current General Hospital.....	28	15	43
Tisdale Nursing Home.....	..	1	1
Tisdale St. Therese Hospital.....	24	17	41
Tuberose Red Cross Outpost.....	3	3	6
Turtleford Hospital.....	2	2	4
Unity Union Hospital.....	8	2	10
Vanguard Union Hospital.....	3	2	5
Wadena Union Hospital.....	12	13	25
Wakaw Anna Turnbull Memorial Hospital	9	10	19
Watrous Manitou Hospital.....	4	2	6
Watson Hamer's Nursing Home.....	1	1	2
Weyburn General Hospital.....	21	10	31
Weyburn Provincial Hospital.....	73	31	104
Whitewood Community Hospital.....	6	4	10
White Fox Hospital.....	..	1	1
Wilkie Hospital.....	4	1	5



TABLE 88.—DEATHS IN PUBLIC AND PRIVATE INSTITUTIONS, 1938.  
(Exclusive of Stillbirths)—Continued.

Location and name of institution	Male	Female	Total
Wolseley Private Hospital .....	1	..	1
Wolseley Home for the Infirm.....	20	2	22
Yorkton Queen Victoria Hospital.....	45	32	77
<b>Total</b> .....	<b>1,627</b>	<b>921</b>	<b>2,548</b>

TABLE 89.—TOTAL DEATHS (exclusive of Stillbirths) AND DEATHS IN  
INSTITUTIONS SHOWING THE NUMBER NON-RESIDENT, 1938.

	All deaths						In institutions					
	Total			Non-resident in province			Total			Non-resident in province		
	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.
Total for prov- ince ....	6,079	3,673	2,406	55	38	17	2,548	1,627	921	33	23	10

TABLE 90.—DEATHS IN CITIES AND URBAN TOWNS, 1938, FROM CERTAIN CAUSES OF DEATH (Residents only). ALSO BIRTH AND DEATH RATES.

Cities and towns	Estimated population	Births	Birth rate	Deaths	Death rate	Influenza	Tuberculosis	Cancer	Diabetes	Cerebral haemorrhage (Apoplexy)	Heart Diseases	Diseases of the arteries	Pneumonia and broncho-pneumonia	Nephritis and (Acute and chronic)	Maternal mortality	Accidental deaths	Infant mortality	Stillbirths
Moose Jaw	20,017	326	16.3	153	7.6	4	5	14	4	2	35	17	10	6	1	12	12	3
North Battleford	4,770	74	15.5	36	7.5		3	3	1		11	5	2	2		1	3	6
Prince Albert	11,168	228	20.4	86	7.7	2	2	5		1	14	6	6	4	1	7	15	20
Regina	53,927	940	17.4	362	6.7	10	16	43	5	6	53	26	35	18	1	12	37	
Saskatoon	42,183	533	12.6	279	6.6	10	9	32	4	7	61	34	12	7	1	16	23	10
Swift Current	5,129	83	16.2	31	6.0			3		1	6	1	1	2		2	6	3
Weyburn	5,395	66	12.2	27	5.0	1		6			2	3	1	1		1	4	2
Yorkton	4,984	85	17.1	40	8.0	2	1	6			4	7	2	1		2	3	
Assiniboia	1,271	18	14.2	16	12.6			1			4	3	4				1	
Battleford	1,140	17	14.9	14	12.3			1	1		2	2	4				4	
Biggar	1,974	19	9.6	14	7.1			3			4	2	1	3	1	2	6	1
Canora	1,268	26	20.5	12	9.5			1			3	2	2			1	2	
Estevan	2,884	48	16.6	19	6.6			1			3	6	2			1	2	1
Humboldt	1,839	28	15.2	8	4.4			3			2	1	2					
Indian Head	1,380	16	11.6	17	12.3			2			4	1	1			2	1	
Kamsack	1,829	15	8.2	9	4.9		2	2			3	2	2	1		1	1	1
Kindersley	1,041	9	8.6	14	13.4	1		1			3	2	2			1	1	
Maple Creek	1,043	8	7.7	11	10.5			1		2	1	1	2	1			1	
Melfort	1,969	27	13.7	16	8.1			2	1		2	2	2	2			2	2
Melville	3,965	67	16.9	29	7.3	1	1	4	2	1	5	4	2	2		1	1	
Moosomin	1,115	17	15.2	16	14.3	3	1	1	1		1	1	2	1		1	2	1
Rosetown	1,536	29	18.9	14	9.1			2	1		1	2						
Rosthern	1,370	26	19.0	9	6.6	1		1			1	1				1	2	1
Shaunavon	1,654	31	18.7	13	7.9			2			5	1				1	1	1
Tisdale	1,165	21	18.0	12	10.3			1			1		1			1	1	
Watrous	1,160	12	10.3	8	6.9			3			1		1	1		1	1	
Wilkie	1,233	18	14.6	16	13.0			1			5	2	1	2		1	1	
Wynyard	1,121	17	15.2	9	8.0			3				1		1		1		

TABLE 91.—DEATHS IN MUNICIPALITIES (including Cities, Towns and Villages) 1938. FROM CERTAIN CAUSES OF DEATH. (Residents only.)

R.M. No.	Births	Deaths	Influenza	Tuber- culosis	Cancer	Diabetes	Cerebral haemorrhage (Apoplexy)	Heart diseases	Diseases of the arteries	Pneumonia and broncho- pneumonia	Nephritis (Acute and chronic)	Maternal mortality	Accidental deaths	Infant mortality	Stillbirths
1	25	12	1	1	1		2	1	1	1				1	1
2	22	8			1			2	3					1	1
3	36	13			1			1	4				1	1	2
4	79	34		1				6	6	6			5	8	2
5	90	37			3			5	9	2			5	4	2
6	33	17	1		2	1	1	2	1	2	3			3	1
7	26	15			2		1	2	4	1	1		1	1	1
8	22	10						2	2	1	2			1	3
9	26	7			1			1	1					1	
10	13	4			1		1	1	1						
11	29	11						2	1	1			2	1	1
12	24	14			2		1	3	1	1			1	1	
13	18	4						2	1	1					1
14	4	2						1	1						1
15	6	2					1								
16	8	2													
17	28	6						4			1				1
18	18	9			2			2					1		
19	23	10	1		1			1		3	1				
20	12	3			1			1							
21	5														
22	3	2													
31	32	3			1										
32	16	6			1			1		1			1		1
33	20	17		1	4	1	1	1		1		1	1		1
34	45	11			1			2		1					1
35	44	10			2			2		1			1		1
36	33	12	3		1			4		1	1				1
37	20	9		1	1			2			1				
38	51	25	1	2			1	3	3	5	1	1		4	



TABLE 91.—DEATHS IN MUNICIPALITIES (including Cities, Towns and Villages) 1938. FROM CERTAIN CAUSES OF DEATH. (Residents only.)—Continued.

R.M. No.	Births	Deaths	Influenza	Tuber- culosis	Cancer	Diabetes	Cerebral hemorrhage (Apoplexy)	Heart diseases	Diseases of the arteries	Pneumonia and broncho- pneumonia	Nephritis (Acute and chronic)	Maternal mortality	Accidental deaths	Infant mortality	Stillbirths
94	36	4		1					2	1				2	3
95	12	4			2			1					1		
96	25	10		1		1		2					2		
97	20	12			2			1		1			1	3	1
98	34	15			3			1		2					1
99	21	12		1				4		1			1	4	2
100	42	19		1			1	3				1			1
101	26	11		1				4					2		1
102	21	14		1		2	1	4					2		1
103	30	12			5	1	2	3	2				1		1
104	51	30			1			4	2		2		1	1	1
105	31	5			1			2			2		1		1
106	31	8			1			1			2		1		2
107	31	5					1	1				1	1		2
108	21	6				1		2			1		1		
109	16	8	1			1			2						
110	16	3			1				1						2
111	23	15					2	2	1					2	1
112	12	9			1		1	3		2				2	
121	53	36	6	1	2		1	4	2	4			1	3	
122	22	16			4			5	1						
123	35	16	2		1			2	3	1					
124	45	10						2	1	1					2
125	40	6						1	1					2	
126	63	17		1	6			2	1					4	1
127	61	18			2			4		3				3	2
128	44	14			2	1		2	1				1	2	1
129	9	6			1			2		1				2	
130	27	15					1	3	3	1		1		2	
131	20	6					1	1	2			1		1	



TABLE 91.—DEATHS IN MUNICIPALITIES (including Cities, Towns and Villages) 1938. FROM CERTAIN CAUSES OF DEATH. (Residents only.)—Continued.

R.M. No.	Births	Deaths	Influenza	Tuber- culosis	Cancer	Diabetes	Cerebral haemorrhage (Apoplexy)	Heart diseases	Diseases of the arteries	Pneumonia and broncho- pneumonia	Nephritis (Acute and chronic)	Maternal mortality	Accidental deaths	Infant mortality	Stillbirths
186	44	21		3			1	3	2	2	1		1	4	3
187	65	29	3	3	2			5	4	1	3		1	7	1
189	40	17			4	1		4	4	1	1			1	
190	27	8							3	1					
191	18	6			3			1		1					1
193	20	8	1		1	1		1		1	1		1		1
194	22	8			2	1	1	2							1
195	35	2									1				1
211	62	21	2					4	1	1	1		1	6	1
213	47	25	2		4			12	2	1	1		1	1	1
214	122	47	1	2	7	2	2	6	4	1	2		1	9	2
215	83	13		1	1			2		3		1		6	3
216	55	18	1	5				1	1					6	1
217	48	11			1			1	1		1			5	2
218	69	32	4	1	3	1	2	6	7	3	3		1	7	
219	46	20	1	1	4	1		2	2	1	1			2	3
220	40	16		1	4	1		2	4	1	1		1	1	
221	51	17			1			4	4	2	1			2	
222	26	13		1	2			2	2	2	3				
223	20	9						2							
224	21	11			2			2		1	1		1	1	1
225	20	4									1		1		1
226	21	11			1		2	2			1		1	2	
227	17	4			1						2			1	2
228	27	10	1					3		2			1	1	1
229	34	16		1	1	1		2		3	2			1	2
230	28	5		1				1			2			1	1
231	58	13		1		1		3	2				1	2	
232	19	4							2						
241	63	21	1	1				6	1	1	1		3	3	





TABLE 91.—DEATHS IN MUNICIPALITIES (including Cities, Towns and Villages) 1938. FROM CERTAIN CAUSES OF DEATH. (Residents only.)—Continued.

R.M. No.	Births	Deaths	Influenza	Tuber- culosis	Cancer	Diabetes	Cerebral haemorrhage (Apoplexy)	Heart diseases	Diseases of the arteries	Pneumonia and broncho- pneumonia	Nephritis (Acute and chronic)	Maternal mortality	Accidental deaths	Infant mortality	Stillbirths
289	20	7			1			2	2	2	1		1	1	2
290	25	20	2		3			3	2	1	1		1	1	
291	5	4				1								1	2
292	3	5			1		1	2		4				7	
301	53	31	1	2	2	1	1	5	2			1	1	1	1
303	27	12			2	1		3					1	1	
304	77	21		1	2	1		5	2	2	1		1	4	1
305	72	21		2	1			6	2	3		1		5	1
306	35	13		3				2	2	1			1	2	1
307	44	8			1	1			1	1	1				2
308	73	22		3	5				2	2	2	1	1	4	
309	32	12		1	1	2		3	2	2				2	1
310	63	23	1	1				5	2	5	1			3	1
312	59	19			3			5	1	2	1		1	2	1
313	18	6			1			1						4	
314	22	16	1	2	2			4	1				1	2	2
315	19	6			1		1	1	1	1				1	
316	19	10		1				1	1	1	1				
317	18	5			2			1	1						2
318	21	8		1	1		1	3					1		
319	25	12	1				1	2	3		1		1		
320	17	5						1							
321	27	6		1	1		1	1	1					1	1
322	12	4					2						1	1	1
331	86	33		1	4		3	6		4			1	10	
333	126	29	2		1			11		5	3		1	9	1
334	88	30	2		4		1	6	2	3	1	1	1	5	3
335	86	14				1	1	1		1			1	5	2
336	62	18			4				2	3	3		1	4	
337	71	26	1	2	3			5	2	1	1			3	1



TABLE 91.—DEATHS IN MUNICIPALITIES (including Cities, Towns and Villages) 1938. FROM CERTAIN CAUSES OF DEATH. (Residents only.)—Continued.

R.M. No.	Births	Deaths	Influenza	Tuber- culosis	Cancer	Diabetes	Cerebral haemorrhage (Apoplexy)	Heart diseases	Diseases of the arteries	Pneumonia and broncho- pneumonia	Nephritis (Acute and chronic)	Maternal mortality	Accidental deaths	Infant mortality	Stillbirths
393	..	8	1	..	1	..	1	1	..	..	..	..	1	2	1
394	53	14	..	..	2	..	..	2	2	1	1	1	1	4	1
395	57	15	1	..	1	..	..	2	..	2	2	..	2	3	1
396	74	17	..	1	1	1	1	4	1	..	..	..	1	2	1
397	55	27	3	3	2	1	..	1	2	..	1	1	1	8	1
398	92	14	1	..	1	1	..	1	1	..	..	..	1	2	1
399	52	15	..	..	2	2	1	5	4	3	1	..	1	3	2
400	82	15	..	..	5	2	1	3	1	4	1	..	1	5	2
401	101	36	..	1	2	1	2	3	1	2	1	..	1	1	..
402	42	18	1	..	2	1	1	3	1	1	1	1	1	8	2
403	142	31	2	..	5	1	1	3	1	1	..	1	1	1	5
404	95	22	1	1	2	..	1	3	1	1	..	1	1	1	3
405	70	15	2	1	2	..	1	2	2	2	..	..	..	1	..
406	29	10	..	..	..	..	..	1	3	2	..	..	2	9	1
408	46	22	..	1	1	..	..	5	1	2	1	..	1	2	..
409	62	19	1	..	..	..	2	4	2	1	..	..	1	1	..
410	35	12	..	..	2	..	..	1	1	..	..	..	..	..	..
411	18	9	..	1	1	..	..	1	1	..	..	..	..	..	..
421	1	1	..	..	1	..	..	3	..	2	..	..	2	1	..
423	43	12	..	2	..	..	..	..	..	1	..	..	2	2	2
424	30	3	..	..	..	..	2	..	..	1	..	..	..	3	1
425	40	10	..	..	..	..	..	1	1	..	..	1	..	6	2
426	98	13	..	1	2	..	1	4	2	2	..	..	1	2	2
427	99	25	1	1	5	1	1	8	4	4	..	..	1	4	1
428	101	41	..	1	1	..	2	6	3	..	3	..	1	2	1
429	46	14	..	..	1	..	..	3	..	..	..	..	2	6	..
430	89	19	1	..	3	..	..	3	..	..	1	..	..	6	1
431	103	34	3	6	1	..	..	4	2	..	1	..	2	1	..
434	72	16	..	..	1	..	..	4	2	..	1	..	2	1	..
435	85	22	..	..	1	..	..	5	2	1	..	..	2	7	3







DIAGRAM 12.  
TUBERCULOSIS 1938

Number 271  
Rate 28.8

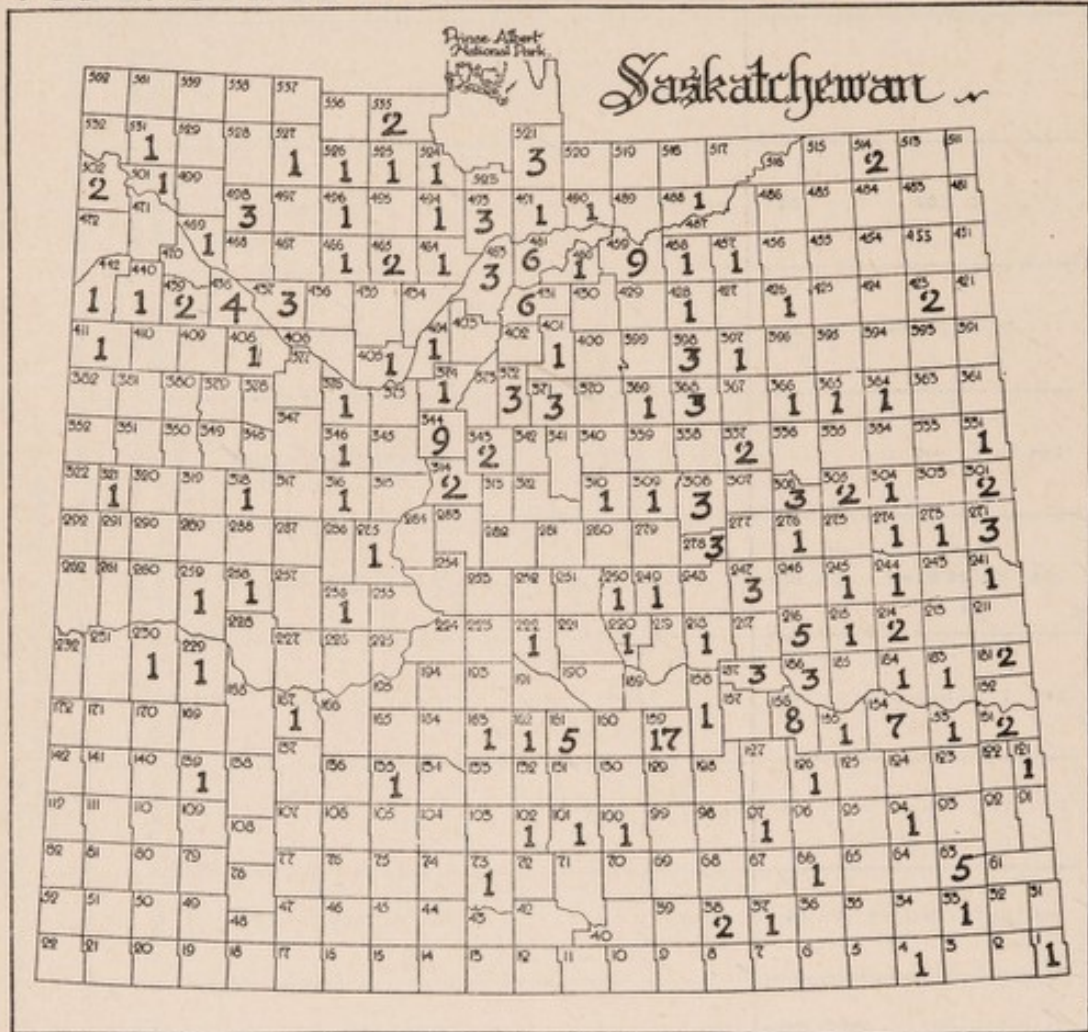


DIAGRAM 13.  
CANCER 1938

Number 641  
Rate 68.1

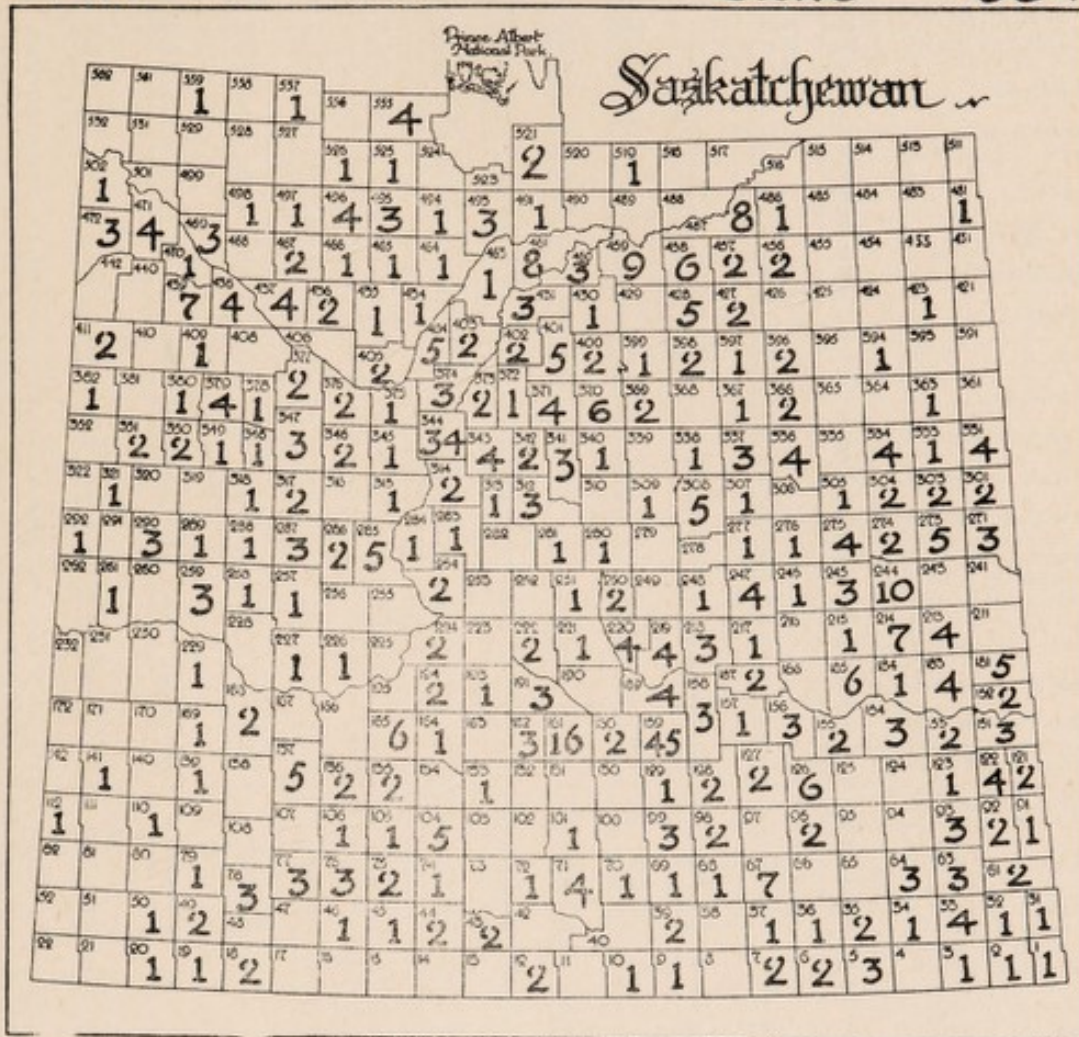




TABLE 92.—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL

Int. list No.	Causes of death	Total	Conjugal condition											Widowed	Not stated
			Under 15 years	Single					Married						
				15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Age not stated	15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Age not stated		
	Deaths—All causes Total	6,079	1,431	247	171	187	191	5	27	395	1,144	1,085	3	1,182	11
	M.	3,673	804	155	138	161	149	4	7	189	743	762	2	548	11
	F.	2,406	627	92	33	26	42	1	20	206	401	323	1	634	..
	Class I—Infectious and parasitic diseases Total	595	210	68	38	15	6	..	9	75	85	38	..	50	1
	M.	346	108	36	29	12	4	..	3	35	63	26	..	29	1
	F.	249	102	32	9	3	2	..	6	40	22	12	..	21	..
1	Typhoid fever M.	4	1	1	..	..	..	..	..	..	2	..	..	..	..
	F.	3	..	1	..	..	..	..	..	1	1	..	..	..	..
2	Paratyphoid fever M.	1	..	..	..	..	..	..	..	1	..	..	..	..	..
6	Smallpox M.	1	..	..	..	..	..	..	..	..	..	..	..	1	..
	F.	1	1	..	..	..	..	..	..	..	..	..	..	..	..
7	Measles M.	13	11	..	..	..	..	..	..	..	2	..	..	..	..
	F.	6	4	..	..	..	1	..	..	1	..	..	..	..	..
8	Scarlet fever M.	7	6	1	..	..	..	..	..	..	..	..	..	..	..
	F.	5	5	..	..	..	..	..	..	..	..	..	..	..	..
9	Whooping cough M.	7	7	..	..	..	..	..	..	..	..	..	..	..	..
	F.	11	11	..	..	..	..	..	..	..	..	..	..	..	..
10	Diphtheria M.	11	10	..	1	..	..	..	..	..	..	..	..	..	..
	F.	17	15	..	..	..	..	..	1	..	1	..	..	..	..
11	Influenza M.	92	24	6	5	3	2	..	..	7	11	16	..	18	..
	F.	62	18	4	1	1	1	..	1	8	12	5	..	11	..
	(a) Sole cause M.	7	4	..	..	..	..	..	..	..	1	..	..	2	..
	F.	2	1	..	..	..	..	..	..	..	1	..	..	..	..
	(b) With bronchitis M.	4	..	1	..	..	..	..	..	..	..	3	..	..	..
	F.	3	..	..	..	..	..	..	..	..	3	..	..	..	..
	(c) With pneumonia M.	48	13	3	4	2	2	..	..	4	7	5	..	8	..
	F.	26	8	1	1	1	..	..	..	5	1	1	..	8	..
	(d) With other diseases of the respiratory system M.	2	..	..	..	..	..	..	..	2	..	..	..	..	..
	F.	2	..	..	..	..	1	..	..	1	..	..	..	..	..
	(e) With intestinal complications M.	5	3	..	..	..	..	..	..	..	..	1	..	1	..
	F.	6	5	1	..	..	..	..	..	..	..	..	..	..	..
	(f) With other causes M.	26	4	2	1	1	..	..	..	1	4	6	..	7	..
	F.	23	4	2	..	..	..	..	1	2	7	4	..	3	..
13	Dysentery M.	7	6	..	..	..	..	..	..	..	..	1	..	..	..
	F.	4	3	..	..	..	..	..	..	..	..	..	..	1	..
15	Erysipelas M.	3	1	..	..	..	..	..	..	..	1	1	..	..	..
	F.	3	1	1	..	..	..	..	..	..	1	..	..	..	..
16	Poliomyelitis and poli- M.	5	4	1	..	..	..	..	..	..	..	..	..	..	..
	encephalitis (acute) F.	2	1	1	..	..	..	..	..	..	..	..	..	..	..
17	Lethargic or epidemic M.	4	..	1	..	..	..	..	..	..	2	..	..	1	..
	encephalitis F.	1	..	..	..	..	..	..	..	..	..	1	..	..	..
18	Epidemic cerebrospinal meningitis M.	3	1	1	..	..	..	..	..	..	1	..	..	..	..
22	Tetanus M.	3	2	..	..	..	..	..	..	..	1	..	..	..	..
23-32	Tuberculosis M.	151	29	21	20	7	..	..	3	25	31	6	..	8	1
	F.	120	36	25	8	2	..	..	4	28	7	4	..	6	..
23	Tuberculosis of the res- M.	120	15	19	16	5	..	..	2	22	28	5	..	7	1
	piratory system F.	95	22	23	5	2	..	..	4	25	6	3	..	5	..
24	Tuberculosis of the meninges and central nervous system M.	10	9	..	..	..	..	..	..	1	..	..	..	..	..
	F.	10	8	1	..	..	..	..	..	1	..	..	..	..	..
25	Tuberculosis of the intes- M.	7	3	1	..	..	..	..	..	1	1	..	..	1	..
	lines and peritoneum F.	1	..	1	..	..	..	..	..	..	..	..	..	..	..
26	Tuberculosis of the M.	5	..	1	2	..	..	..	1	..	..	1	..	..	..
	vertebral column F.	4	2	..	1	..	..	..	..	1	..	..	..	..	..
27	Tuberculosis of the bones and joints (vertebral column M. excepted) F.	1	..	..	..	..	..	..	..	1	..	..	..	1	..
	(a) Of bones M.	1	..	..	..	..	..	..	..	1	..	..	..	..	..
	F.	1	..	..	..	..	..	..	..	..	..	..	..	1	..
29	Tuberculosis of the lymphatic system (bronchial, mesenteric and retroperitoneal glands excepted) M.	1	..	..	..	..	..	..	..	..	1	..	..	..	..
30	Tuberculosis of the genito- M.	3	..	1	1	..	..	..	..	..	1	..	..	..	..
	urinary system F.	3	..	1	1	..	..	..	..	1	..	..	..	..	..
32	Disseminated tuberculosis M.	4	2	..	1	1	..	..	..	..	..	..	..	..	..
	F.	6	4	..	..	..	..	..	..	..	1	1	..	..	..
	(a) Acute M.	4	2	..	1	1	..	..	..	..	..	..	..	..	..
	F.	2	1	..	..	..	..	..	..	..	1	..	..	..	..
	(b) Chronic F.	2	2	..	..	..	..	..	..	..	..	..	..	..	..
	(c) Not specified F.	2	1	..	..	..	..	..	..	..	..	1	..	..	..
34	Syphilis M.	16	..	..	3	1	1	..	..	..	9	1	..	1	..
	F.	6	1	..	..	..	..	..	..	1	..	1	..	3	..
35	Gonococcus infection and other venereal diseases M.	1	..	..	..	..	..	..	..	..	..	1	..	..	..
	F.	1	1	..	..	..	..	..	..	..	..	..	..	..	..
36	Purulent infection, septi- M.	10	3	1	..	1	..	..	..	2	3	..	..	..	..
	caemia (non-puerperal) F.	1	..	..	..	..	..	..	..	1	..	..	..	..	..



TABLE 92.—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL

Int. list No.	Causes of death	Total	Conjugal condition												Widowed	Not stated	
			Under 15 years	Single					Married								
				15 to 24 years	25 to 44 years	45 to 64 years	65 years and over.	Age not stated	15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Age not stated				
39	Other diseases due to protozoal parasites.....F.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	Other diseases caused by helminths.....F.	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Mycoses.....M.	3	.....	2	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Other infectious or parasitic diseases.....F.	4	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	(a) Chickenpox.....M.	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	(a) Chickenpox.....F.	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	(a) Chickenpox.....M.	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	(c) Others under this title.....M.	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	(c) Others under this title.....F.	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<b>Class II—Cancer and other tumours.....M.</b>	<b>688</b>	<b>12</b>	<b>15</b>	<b>11</b>	<b>21</b>	<b>34</b>	<b>.....</b>	<b>2</b>	<b>54</b>	<b>237</b>	<b>154</b>	<b>1</b>	<b>.....</b>	<b>146</b>	<b>1</b>	<b>.....</b>
	.....F.	375	3	10	9	14	24	.....	.....	21	126	105	.....	.....	62	1	.....
	.....M.	313	9	5	2	7	10	.....	2	33	111	49	1	.....	84	.....	.....
45-53	Cancer and other malignant tumours.....M.	355	2	9	6	13	23	.....	.....	19	123	99	.....	.....	60	1	.....
	.....F.	286	8	3	2	7	10	.....	.....	29	102	46	1	.....	78	.....	.....
45	Cancer of the buccal cavity and pharynx.....M.	12	.....	.....	.....	.....	.....	.....	.....	.....	3	7	.....	.....	2	.....	.....
	.....F.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
46	Cancer of the digestive tract and peritoneum.....M.	211	.....	2	3	9	12	.....	.....	12	79	59	.....	.....	35	.....	.....
	.....F.	130	1	.....	.....	1	4	.....	.....	10	43	23	1	.....	47	.....	.....
	(a) Of the oesophagus.....M.	8	.....	.....	.....	1	.....	.....	.....	.....	4	1	.....	.....	2	.....	.....
	(a) Of the oesophagus.....F.	3	.....	.....	.....	1	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....
	(b) Of the stomach and duodenum.....M.	115	.....	1	1	4	4	.....	.....	6	45	37	.....	.....	17	.....	.....
	(b) Of the stomach and duodenum.....F.	50	.....	.....	.....	.....	2	.....	.....	5	11	12	.....	.....	20	.....	.....
	(c) Of the rectum.....M.	21	.....	.....	1	.....	1	.....	.....	1	9	5	.....	.....	4	.....	.....
	(c) Of the rectum.....F.	6	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	4	.....	.....
	(d) Of the liver and biliary ducts.....M.	19	.....	1	.....	2	2	.....	.....	1	6	3	.....	.....	4	.....	.....
	(d) Of the liver and biliary ducts.....F.	25	.....	.....	.....	.....	.....	.....	.....	2	10	2	.....	.....	11	.....	.....
	(e) Of the pancreas.....M.	11	.....	.....	.....	.....	1	.....	.....	.....	5	3	.....	.....	2	.....	.....
	(e) Of the pancreas.....F.	7	.....	.....	.....	.....	.....	.....	.....	.....	4	2	.....	.....	1	.....	.....
	(f) Of the peritoneum.....M.	3	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....	.....	.....
	(g) Of other organs.....M.	34	.....	.....	1	2	4	.....	.....	3	9	9	.....	.....	6	.....	.....
	(g) Of other organs.....F.	39	1	.....	.....	.....	2	.....	.....	3	15	7	.....	.....	11	.....	.....
47	Cancer of the respiratory organs.....M.	26	.....	.....	2	2	1	.....	.....	2	16	2	.....	.....	1	.....	.....
	.....F.	11	.....	.....	.....	.....	1	.....	.....	2	5	2	.....	.....	1	.....	.....
	(a) Of the larynx.....M.	2	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
	(b) Of the lung.....M.	21	.....	.....	2	2	.....	.....	.....	1	13	2	.....	.....	1	.....	.....
	(b) Of the lung.....F.	11	.....	.....	.....	.....	1	.....	.....	2	5	2	.....	.....	1	.....	.....
	(c) Of the mediastinum.....M.	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
	(d) Of other organs of the respiratory system.....M.	2	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
48	Cancer of the uterus.....F.	45	.....	.....	.....	2	1	.....	.....	8	18	9	.....	.....	7	.....	.....
	(a) Of the uterus.....F.	29	.....	.....	.....	1	1	.....	.....	7	7	7	.....	.....	6	.....	.....
	(b) Of the cervix uteri.....F.	16	.....	.....	.....	1	.....	.....	.....	1	11	2	.....	.....	1	.....	.....
49	Cancer of other female genital organs.....F.	13	1	.....	2	.....	2	.....	.....	1	6	.....	.....	.....	1	.....	.....
50	Cancer of the breast.....M.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	.....F.	44	.....	.....	.....	2	1	.....	.....	6	24	3	.....	.....	8	.....	.....
51	Cancer of the male genito-urinary organs.....M.	59	.....	.....	.....	2	6	.....	.....	1	12	25	.....	.....	12	1	.....
	(a) Of the bladder.....M.	25	.....	.....	.....	1	2	.....	.....	.....	8	12	.....	.....	2	.....	.....
	(b) Of the kidney.....M.	5	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	3	.....	.....
	(c) Of the prostate gland.....M.	27	.....	.....	.....	1	4	.....	.....	1	2	12	.....	.....	6	1	.....
	(e) Of other male genito-urinary organs.....M.	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....
52	Cancer of the skin.....M.	8	.....	.....	1	.....	2	.....	.....	.....	.....	3	.....	.....	2	.....	.....
	.....F.	6	.....	.....	.....	.....	.....	.....	.....	1	.....	2	.....	.....	3	.....	.....
53	Cancer of other or unspecified organs.....M.	38	2	7	.....	.....	2	.....	.....	4	13	3	.....	.....	7	.....	.....
	.....F.	36	6	3	.....	2	1	.....	.....	1	6	6	.....	.....	11	.....	.....
	(c) Of the glandular system.....M.	5	1	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	2	.....	.....
	(c) Of the glandular system.....F.	8	1	.....	.....	.....	1	.....	.....	.....	2	1	.....	.....	3	.....	.....
	(d) Of the female urinary organs.....F.	8	1	.....	.....	1	.....	.....	.....	.....	1	1	.....	.....	4	.....	.....
	(e) Of the bones and joints.....M.	9	1	.....	.....	.....	1	.....	.....	.....	4	2	.....	.....	1	.....	.....
	(e) Of the bones and joints.....F.	4	2	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....
	(f) Of the brain.....M.	15	.....	3	.....	.....	1	.....	.....	1	8	1	.....	.....	1	.....	.....
	(f) Of the brain.....F.	8	2	3	.....	.....	1	.....	.....	1	.....	.....	.....	.....	1	.....	.....
	(g) Of the spine and spinal cord.....M.	3	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....
	(g) Of the spine and spinal cord.....F.	2	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....
	(i) Of the abdomen.....M.	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
	(i) Of the abdomen.....F.	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	3	.....	.....
	(j) Of other specified organs.....M.	3	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....
	(k) Multiple cancer.....M.	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	(m) Of unspecified or unknown location.....M.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
	(m) Of unspecified or unknown location.....F.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....

CONDITION, NATIVITY AND MONTH OF DEATH, 1938.

Nativity					Months												Int. list No.
Canada	British	Foreign		Not stated	January	February	March	April	May	June	July	August	September	October	November	December	
		United States	Other														
1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	39
1	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	42
2	1	....	....	....	1	....	....	....	....	1	1	....	....	....	....	....	43
4	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	44
4	....	....	....	....	1	1	....	....	....	....	....	1	....	....	....	1	44a
3	....	....	....	....	....	....	....	....	....	....	2	....	....	....	1	....	44a
2	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	44c
1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	44c
2	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....
239	154	68	223	4	54	44	55	53	61	54	64	67	54	43	81	58	....
124	80	41	128	2	32	24	23	30	36	28	32	40	33	25	44	28	....
115	74	27	95	2	22	20	32	23	25	26	32	27	21	18	37	30	....
116	77	37	124	1	31	22	23	26	34	25	30	39	33	25	40	27	45-53
106	66	25	87	2	18	19	31	22	22	23	28	25	18	18	32	30	....
7	1	1	3	....	1	1	....	2	....	1	....	1	....	3	2	1	45
58	45	23	84	1	21	12	13	14	19	14	18	20	22	16	22	20	46
40	30	10	49	1	7	11	11	9	9	11	13	12	7	8	20	12	....
1	4	....	3	....	1	1	....	....	....	1	....	2	1	1	1	....	46a
1	1	1	....	....	....	....	....	....	....	....	2	1	....	....	....	....	....
25	27	9	54	....	15	7	9	6	10	7	10	9	11	8	13	10	46b
15	12	2	21	....	3	6	3	2	2	7	5	5	2	2	2	5	....
6	3	4	7	1	3	1	1	2	2	1	3	2	2	2	2	....	46c
1	....	....	4	1	1	....	....	1	3	....	....	....	1	....	....	....	....
6	3	2	8	....	1	....	1	2	1	....	2	2	4	3	2	1	46d
11	5	2	7	....	1	1	5	1	1	1	3	....	2	2	5	3	....
6	1	1	3	....	....	1	....	1	1	....	1	1	2	....	....	4	46e
1	2	....	4	....	....	1	....	1	....	1	....	....	1	1	....	2	....
2	....	....	1	....	....	....	....	....	1	1	....	....	....	1	....	....	46f
12	7	7	8	....	1	2	2	3	5	4	1	4	2	1	4	5	46g
11	10	5	13	....	2	3	3	4	3	2	3	6	1	3	7	2	....
7	12	....	7	....	2	2	4	....	....	1	3	5	2	....	3	4	47
2	6	1	2	....	1	1	1	3	....	1	1	1	....	....	1	1	....
....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	47a
6	8	....	7	....	2	2	4	....	....	1	3	5	1	....	....	3	47b
2	6	1	2	....	1	1	1	3	....	1	1	1	....	....	1	1	....
....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	47c
1	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	1	47d
17	5	6	17	....	4	2	6	4	2	....	5	2	5	3	5	7	48
10	2	5	12	....	3	1	2	3	2	....	4	2	1	2	4	5	48a
7	3	1	5	....	1	1	4	1	....	....	1	....	4	1	1	2	48b
8	3	....	1	1	1	1	2	3	1	1	1	....	1	....	1	1	49
1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	50
16	15	7	6	....	3	1	4	1	7	6	3	5	2	4	2	6	....
21	10	11	17	....	5	5	3	5	9	5	4	10	5	1	7	....	51
11	6	3	5	....	2	1	....	3	5	4	3	2	3	1	1	....	51a
1	1	....	3	....	....	....	....	....	1	....	....	2	1	....	1	....	51b
9	3	8	7	....	2	4	3	2	2	1	1	6	1	....	5	....	51c
....	....	....	2	....	1	....	....	....	1	....	....	....	....	....	....	....	51e
3	3	....	2	....	2	....	....	1	1	2	....	....	....	2	....	....	52
2	1	....	3	....	1	2	....	1	....	....	1	1	....	....	....	....	....
19	6	2	11	....	....	2	3	4	5	2	5	2	4	3	6	2	53
21	6	1	8	....	1	1	7	1	3	4	4	4	3	2	3	3	....
3	....	....	2	....	....	....	....	....	....	....	2	....	1	1	1	....	53e
5	2	....	1	....	....	1	1	....	....	2	....	2	....	1	....	1	....
1	3	1	3	....	....	....	1	1	....	1	1	1	....	1	2	....	53d
3	2	1	3	....	....	....	2	....	1	1	1	2	1	....	1	....	53e
3	....	....	1	....	....	....	1	....	....	....	2	....	....	....	....	1	....
9	2	1	3	....	....	1	....	3	3	1	1	....	1	1	2	2	53f
8	....	....	....	....	1	....	1	....	1	....	1	1	2	....	1	....	....
1	1	....	1	....	....	....	1	....	1	....	1	....	1	1	....	....	53g
1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	....	....
1	1	....	1	....	....	....	2	....	1	1	....	....	....	....	....	1	....
3	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1	1	....	1	....	....	....	....	1	1	....	....	....	....	....	1	....	53j
1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	53k
....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	53m
....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....

TABLE 92.—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL

Int. list No.	Causes of death	Total	Conjugal condition										Widowed	Not stated		
			Under 15 years	Single					Married							
				15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Age not stated	15 to 24 years	25 to 44 years	45 to 64 years	65 years and over			Age not stated	
54	Non-malignant tumours .....	M.	19	1	1	3	1	1	.....	.....	2	3	5	.....	2	..
		F.	23	1	2	.....	.....	.....	.....	2	2	8	3	.....	5	..
	(a) Of the ovary .....	F.	7	.....	1	.....	.....	.....	.....	2	1	1	1	.....	1	..
	(b) Of the uterus .....	F.	4	.....	.....	.....	.....	.....	.....	.....	1	3	.....	.....	.....	..
	(d) Of the brain .....	M.	8	1	1	2	.....	.....	.....	.....	1	1	1	.....	1	..
		F.	3	1	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	..
	(e) Of the thyroid gland .....	M.	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	..
		F.	6	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	4	..
	(f) Of the prostate gland .....	M.	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	..
	(g) Of other or unspecified sites .....	M.	8	.....	.....	1	1	1	.....	.....	1	2	2	.....	.....	..
		F.	3	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	..
55	Tumours, nature not specified .....	M.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	..
		F.	4	.....	.....	.....	.....	.....	.....	.....	2	1	.....	.....	1	..
	(d) Of the brain .....	M.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	..
		F.	3	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	1	..
	(g) Of other or unspecified sites .....	F.	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	..
	Class III—Rheumatic diseases, diseases of nutrition and of the endocrine glands and other general diseases .....	Total	170	34	11	4	8	2	.....	1	8	41	31	.....	30	..
		M.	75	16	8	3	6	2	.....	.....	3	15	15	.....	7	..
		F.	95	18	3	1	2	.....	.....	1	5	26	16	.....	23	..
56	Acute rheumatic fever .....	M.	19	7	7	1	.....	.....	.....	.....	1	2	1	.....	.....	..
		F.	15	7	1	.....	.....	.....	.....	1	1	3	1	.....	1	..
57	Chronic rheumatism, osteo-arthritis .....	M.	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	..
		F.	7	.....	.....	1	.....	.....	.....	.....	.....	3	1	.....	2	..
59	Diabetes mellitus .....	M.	40	1	1	2	4	2	.....	.....	2	11	13	.....	4	..
		F.	44	1	2	.....	1	.....	.....	.....	.....	13	10	.....	17	..
60	Scurvy .....	F.	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	..
63	Rickets .....	M.	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
		F.	6	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
66	Diseases of the thyroid and parathyroid glands .....	M.	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..
		F.	17	1	.....	.....	1	.....	.....	.....	3	6	4	.....	2	..
	(a) Simple goitre .....	F.	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	..
	(b) Exophthalmic goitre .....	F.	11	.....	.....	.....	1	.....	.....	.....	3	4	2	.....	1	..
	(d) Tetany .....	M.	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
		F.	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	(e) Others under this title .....	M.	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..
		F.	3	.....	.....	.....	.....	.....	.....	.....	.....	2	1	.....	.....	..
67	Diseases of the thymus gland .....	M.	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
		F.	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
68	Diseases of the adrenals (Addison's disease) .....	M.	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	..
69	Other general diseases .....	M.	5	1	.....	.....	1	.....	.....	.....	.....	.....	1	.....	2	..
		F.	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	..
	(a) Fatty or amyloid degeneration .....	F.	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	..
	(e) Others under this title .....	M.	5	1	.....	.....	1	.....	.....	.....	.....	.....	1	.....	2	..
	Class IV—Diseases of the blood and blood-forming organs .....	Total	83	19	7	1	3	1	.....	.....	4	20	19	.....	9	..
		M.	50	13	1	.....	3	1	.....	.....	2	12	14	.....	4	..
		F.	33	6	6	1	.....	.....	.....	.....	2	8	5	.....	5	..
70	Hæmorrhagic conditions .....	M.	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
		F.	3	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	(a) Simple purpura .....	M.	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
		F.	3	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
71	Anæmia .....	M.	15	1	.....	.....	.....	1	.....	.....	1	2	7	.....	3	..
		F.	18	1	3	.....	.....	.....	.....	.....	.....	5	4	.....	5	..
	(a) Pernicious anæmia .....	M.	13	.....	.....	.....	.....	1	.....	.....	1	2	6	.....	3	..
		F.	16	.....	3	.....	.....	.....	.....	.....	.....	4	4	.....	5	..
	(b) Others under this title .....	M.	2	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	..
		F.	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
72	Leukæmia and aleukæmia .....	M.	29	8	1	.....	2	.....	.....	.....	1	9	7	.....	1	..
		F.	9	3	2	.....	.....	.....	.....	.....	.....	3	1	.....	.....	..
	(a) Leukæmia .....	M.	20	8	.....	.....	2	.....	.....	.....	.....	5	5	.....	.....	..
		F.	7	2	2	.....	.....	.....	.....	.....	.....	2	1	.....	.....	..
	(b) Aleukæmia (Hodgkin's disease) .....	M.	9	.....	1	.....	.....	.....	.....	.....	.....	1	4	.....	2	..
		F.	2	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	..
73	Diseases of the spleen .....	M.	2	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	..
		F.	3	.....	1	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	..
74	Other diseases of the blood and blood-forming organs .....	M.	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Class V—Chronic poisonings and intoxications .....	Total	11	.....	.....	3	3	.....	.....	.....	1	3	.....	.....	1	..
		M.	11	.....	.....	3	3	.....	.....	.....	1	3	.....	.....	1	..

CONDITION, NATIVITY AND MONTH OF DEATH, 1938.—Continued.

Nativity					Months												Int. list No.
Canada	British	Foreign		Not stated	January	February	March	April	May	June	July	August	September	October	November	December	
		United States	Other														
8	2	4	4	1	1	2	...	3	2	3	2	1	...	...	4	1	54
8	6	2	7	...	4	1	1	1	2	2	3	2	3	...	3	...	54a
3	2	...	2	...	2	...	...	...	1	1	...	1	...	...	2	...	54b
1	1	1	1	...	...	...	...	...	1	...	...	1	2	...	...	...	54c
4	...	2	2	...	...	1	...	...	1	3	1	1	...	...	1	...	54d
2	1	...	...	...	1	...	...	1	...	1	...	...	...	...	...	...	54e
1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	54f
2	1	1	2	...	1	1	1	...	...	2	1	...	...	...	1	...	54g
1	1	2	2	1	1	1	...	1	1	...	1	...	...	...	3	1	54h
2	1	2	2	1	1	1	...	1	1	...	1	...	...	...	...	...	54i
...	1	...	2	...	...	1	...	...	1	...	...	...	1	...	...	...	55
...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	55a
1	2	...	1	...	...	...	...	...	1	1	...	...	...	...	2	...	55b
...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	55c
1	2	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	55d
...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	55e
1	2	...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	55f
...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	55g
105	22	7	36	...	15	16	15	15	16	17	9	8	11	14	20	14	
50	9	2	14	...	7	9	11	4	3	8	4	4	3	6	9	7	
55	13	5	22	...	8	7	4	11	13	9	5	4	8	8	11	7	
15	3	1	...	...	3	3	...	...	1	1	1	2	...	3	1	4	56
9	3	...	3	...	1	2	1	...	4	...	...	...	...	1	6	...	57
...	...	...	2	...	...	...	...	...	1	...	...	...	1	...	...	...	58
3	3	...	1	...	...	...	...	2	...	1	1	...	2	...	1	...	59
23	6	1	10	...	2	5	9	3	1	4	2	2	2	3	5	2	59
21	6	3	14	...	5	5	1	4	5	3	4	4	4	2	3	4	60
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	60
2	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	63
6	...	...	...	...	...	...	...	...	2	2	...	...	...	1	...	1	66
1	...	...	1	...	1	...	...	...	...	...	...	...	...	...	1	...	66
11	1	2	3	...	1	...	1	4	1	3	...	...	2	3	1	1	66a
2	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	66b
5	1	2	3	...	1	...	1	2	1	2	...	...	1	2	...	1	66b
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	66d
1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	66d
...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	66c
3	...	...	...	...	...	...	...	1	...	1	...	...	...	...	1	...	66c
4	...	...	...	...	...	1	...	...	1	...	...	...	...	...	2	...	67
3	...	...	...	...	1	...	...	1	...	...	...	...	...	1	...	...	68
1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	68
4	...	...	1	...	...	...	2	1	...	...	1	...	...	...	...	1	69
1	...	...	1	...	...	...	1	...	1	...	...	...	...	...	...	...	69a
1	...	...	1	...	...	...	1	...	1	...	...	...	...	...	...	...	69a
4	...	...	1	...	...	...	2	1	...	...	1	...	...	...	...	1	69c
47	13	6	16	1	3	6	13	9	5	...	5	5	10	4	9	14	
28	6	4	11	1	1	3	7	6	3	...	2	4	8	3	5	8	
19	7	2	5	...	2	3	6	3	2	...	3	1	2	1	4	6	
2	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	70
2	1	...	...	...	1	1	...	...	...	...	1	...	...	...	...	1	70
2	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	70a
2	1	...	...	...	1	...	...	...	...	...	1	...	...	...	...	1	71
4	4	1	5	1	...	...	4	1	...	...	2	1	3	1	...	3	71
9	6	1	2	...	1	2	6	2	2	...	...	...	...	1	1	3	71a
3	4	1	4	1	...	...	4	1	...	...	2	1	3	1	...	1	71a
8	6	...	2	...	1	2	6	2	1	...	...	...	...	...	1	3	71b
1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	2	71b
1	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	71b
18	2	3	6	...	...	3	3	4	3	...	...	2	3	2	5	4	72
6	...	1	2	...	1	...	...	...	...	...	2	1	1	...	2	2	72a
12	2	1	5	...	...	2	2	2	3	...	...	1	2	2	4	2	72a
5	...	1	1	...	1	...	...	...	...	...	2	1	1	...	1	1	72b
6	...	2	1	...	...	1	1	2	...	...	...	1	1	...	1	2	72b
1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1	73
2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	73
2	...	...	1	...	...	...	...	1	...	...	...	...	1	...	...	...	73
2	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	74
6	...	...	4	1	3	...	1	1	1	...	...	1	...	3	...	1	
6	...	...	4	1	3	...	1	1	1	...	...	1	...	3	...	1	

TABLE 92.—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL

Int. list No.	Causes of death	Total	Conjugal condition											Widowed	Not stated		
			Single					Married									
			Under 15 years	15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Age not stated	15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Age not stated				
75	Alcoholism.....M.	10	....	....	2	3	....	....	....	1	3	....	....	....	1	..	
	(a) Delirium tremens.....M.	2	....	....	1	....	....	....	....	....	1	....	....	....	....	..	
	(b) Other alcoholic intoxications.....M.	8	....	....	1	3	....	....	....	1	2	....	....	....	1	..	
76	Chronic poisoning, by other organic substances.....M.	1	....	....	1	....	....	....	....	....	....	....	....	....	....	..	
	(d) Other organic poisoning.....M.	1	....	....	1	....	....	....	....	....	....	....	....	....	....	..	
	Class VI—Diseases of the nervous system and Total	266	50	19	14	8	8	....	1	17	46	43	....	....	60	..	
	of the organs of M.	169	32	12	11	7	6	....	1	9	30	31	....	....	30	..	
	special sense.....F.	97	18	7	3	1	2	....	....	8	16	12	....	....	30	..	
78	Encephalitis (non-epidemic).....M.	5	2	1	....	....	....	....	1	1	....	....	....	....	....	..	
	.....F.	3	3	....	....	....	....	....	....	....	....	....	....	....	....	..	
79	Simple meningitis.....M.	10	9	....	....	....	....	....	....	....	....	1	....	....	....	..	
	.....F.	3	3	....	....	....	....	....	....	....	....	....	....	....	....	..	
80	Progressive locomotor ataxia (tabes dorsalis).....M.	1	....	....	....	1	....	....	....	....	....	....	....	....	....	..	
81	Other diseases of the spinal cord.....M.	8	....	....	....	2	1	....	....	....	1	2	....	....	2	..	
	.....F.	5	....	1	....	1	....	....	....	....	2	....	....	....	1	..	
82	Cerebral hæmorrhage, cerebral embolism and thrombosis.....M.	69	1	....	1	2	2	....	....	1	15	24	....	....	23	..	
	.....F.	45	....	1	....	....	1	....	....	1	8	11	....	....	23	..	
	(a) Cerebral hæmorrhage.....M.	60	1	....	1	1	1	....	....	1	15	19	....	....	21	..	
	.....F.	30	....	1	....	....	1	....	....	1	4	9	....	....	14	..	
	(b) Cerebral embolism and thrombosis.....M.	3	....	....	....	....	....	....	....	....	....	1	....	....	2	..	
	.....F.	8	....	....	....	....	....	....	....	....	4	2	....	....	2	..	
	(d) Hemiplegia and other paralysis, cause not specified.....M.	6	....	....	....	1	1	....	....	....	....	4	....	....	....	..	
	.....F.	7	....	....	....	....	....	....	....	....	....	....	....	....	7	..	
83	General paralysis of the insane.....M.	13	....	....	1	2	1	....	....	4	3	1	....	....	1	..	
	.....F.	1	....	....	....	....	....	....	....	....	....	....	....	....	1	..	
84	Dementia præcox and other psychoses.....M.	16	1	4	5	1	....	....	....	2	3	....	....	....	....	..	
	.....F.	7	....	....	3	....	....	....	....	3	1	....	....	....	....	..	
	(a) Dementia præcox.....M.	13	1	4	4	1	....	....	....	2	1	....	....	....	....	..	
	.....F.	6	....	....	3	....	....	....	....	2	1	....	....	....	....	..	
	(b) Other psychoses.....M.	3	....	....	1	....	....	....	....	....	2	....	....	....	....	..	
	.....F.	1	....	....	....	....	....	....	....	1	....	....	....	....	....	..	
85	Epilepsy.....M.	14	7	5	....	....	1	....	....	....	....	....	....	....	1	..	
	.....F.	10	1	5	....	....	....	....	....	2	....	1	....	....	1	..	
86	Convulsions (under 5 years of age).....M.	6	6	....	....	....	....	....	....	....	....	....	....	....	....	..	
	.....F.	8	8	....	....	....	....	....	....	....	....	....	....	....	....	..	
87	Other diseases of the nervous system.....M.	14	....	1	1	....	....	....	....	....	8	2	....	....	2	..	
	.....F.	11	1	....	....	....	1	....	....	2	4	....	....	....	3	..	
	(a) Chorea.....M.	1	....	....	....	....	....	....	....	....	....	....	....	....	1	..	
	(b) Neuralgia and neuritis.....M.	1	....	....	....	....	....	....	....	....	1	....	....	....	....	..	
	.....F.	1	....	....	....	....	1	....	....	....	....	....	....	....	....	..	
	(c) Paralysis agitans.....M.	1	....	....	....	....	....	....	....	....	1	....	....	....	....	..	
	.....F.	3	....	....	....	....	....	....	....	....	2	....	....	....	1	..	
	(d) Sclerosis (other than of the spinal cord).....M.	8	....	....	1	....	....	....	....	....	5	2	....	....	....	..	
	.....F.	3	....	....	....	....	....	....	....	2	....	....	....	....	1	..	
	(e) Others under this title.....M.	3	....	1	....	....	....	....	....	....	1	....	....	....	1	..	
	.....F.	4	1	....	....	....	....	....	....	....	2	....	....	....	1	..	
88	Diseases of the organs of vision.....F.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	..
89	Diseases of the ear and mastoid process.....M.	13	6	1	3	....	....	....	....	1	....	1	....	....	1	..	
	.....F.	3	2	....	....	....	....	....	....	....	1	....	....	....	....	..	
	(a) Otitis.....M.	5	3	....	1	....	....	....	....	....	....	....	....	....	1	..	
	.....F.	2	1	....	....	....	....	....	....	....	1	....	....	....	....	..	
	(b) Diseases of the mastoid process.....M.	8	3	1	2	....	....	....	....	1	....	1	....	....	....	..	
	.....F.	1	1	....	....	....	....	....	....	....	....	....	....	....	....	..	
	Class VII—Diseases of the circulatory system.....M.	1,527	8	19	22	55	74	....	3	40	349	463	1	....	490	3	
	.....F.	952	1	13	17	48	55	....	2	21	238	332	1	....	221	3	
	90-95 Diseases of the heart.....M.	575	7	6	5	7	19	....	1	19	111	131	....	....	269	..	
	.....F.	655	1	12	16	35	33	....	2	16	180	212	1	....	145	2	
	90 Pericarditis.....M.	336	7	5	4	5	12	....	1	16	62	73	....	....	151	2	
	.....F.	2	....	....	....	....	....	....	....	1	....	....	....	....	1	..	
	91 Acute endocarditis.....M.	2	1	....	....	....	....	....	....	....	1	....	....	....	....	..	
	.....F.	8	....	2	2	....	....	....	....	....	....	2	....	....	2	..	
	(a) Endocarditis specified as acute.....M.	5	1	1	1	1	....	....	....	....	....	1	....	....	....	..	
	.....F.	8	....	2	2	....	....	....	....	....	....	2	....	....	2	..	
	.....F.	5	1	1	1	1	....	....	....	....	....	1	....	....	....	..	

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		United States	Other														
6	....	....	3	1	3	....	1	1	1	....	....	1	....	3	....	....	75
1	....	....	....	1	1	....	....	1	....	....	....	....	....	....	....	....	75a
5	....	....	3	....	2	....	1	....	1	....	....	1	....	3	....	....	75b
....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	76
....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	76d
149	36	24	56	1	20	24	27	23	14	22	19	21	25	19	34	18	
92	18	14	44	1	12	19	17	9	8	11	14	13	15	13	24	14	
57	18	10	12	....	8	5	10	14	6	11	5	8	10	6	10	4	
5	....	....	....	....	1	1	....	....	....	....	....	1	....	3	1	....	78
3	....	....	....	....	1	....	1	....	....	....	....	....	....	....	1	....	79
10	....	....	....	....	1	3	....	1	1	....	1	....	1	....	1	1	79
3	....	....	....	....	....	....	....	2	....	....	....	....	....	....	1	....	
1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	80
3	1	2	2	....	1	....	....	1	....	....	2	....	1	1	....	2	81
1	2	....	2	....	1	1	1	....	....	1	....	....	1	....	....	....	
26	9	5	29	....	2	6	8	3	2	6	5	9	9	7	7	5	82
22	8	6	9	....	1	1	6	7	3	3	3	7	4	3	4	3	
25	5	5	25	....	1	5	8	3	2	5	4	8	7	7	5	5	82a
17	6	3	4	....	1	....	6	3	2	2	1	5	3	1	4	2	
....	2	....	1	....	....	....	....	....	....	....	....	....	1	....	2	....	82b
1	2	2	3	....	....	1	....	3	....	....	2	1	....	....	....	1	
1	2	....	3	....	1	1	....	....	....	1	1	1	1	....	....	....	82d
4	....	1	2	....	....	....	....	1	1	1	....	1	1	2	....	....	
5	4	....	4	....	....	1	4	1	1	....	2	....	....	....	3	1	83
....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	
10	....	3	3	....	3	3	2	....	1	1	....	....	....	....	4	2	84
4	2	1	....	....	1	1	....	3	....	....	1	....	....	1	....	....	
9	....	1	3	....	3	3	1	....	1	1	....	....	....	....	3	1	84a
3	2	1	....	....	1	1	....	2	....	....	1	....	....	1	....	....	
1	....	2	....	....	....	....	1	....	....	....	....	....	....	....	1	1	84b
1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	
14	....	....	....	....	....	2	1	2	1	1	2	....	1	....	3	1	85
7	2	1	....	....	1	....	....	1	....	1	1	....	3	1	1	1	
6	....	....	....	....	....	....	....	1	....	1	....	2	....	1	1	....	86
8	....	....	....	....	1	2	....	1	2	1	....	....	1	....	....	....	
5	2	2	5	....	1	1	1	....	1	....	2	1	2	1	4	....	87
5	4	2	....	....	1	....	2	....	1	4	....	....	1	....	2	....	
....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	87a
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	87b
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	
1	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	87c
....	2	1	....	....	1	....	1	....	....	1	....	....	....	....	....	....	
2	2	1	3	....	....	....	....	....	1	....	1	....	2	1	3	....	87d
2	1	....	....	....	....	....	....	....	....	2	....	....	1	....	....	....	
1	....	1	1	....	1	1	....	....	....	1	....	....	....	....	....	....	87e
2	1	1	....	....	....	....	1	....	1	1	....	....	....	....	1	....	
1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	88
7	2	2	1	1	4	2	1	....	1	2	....	....	....	1	....	2	89
3	....	....	....	....	1	....	....	....	....	....	....	1	....	....	1	....	
3	....	1	1	....	1	....	....	....	....	1	....	....	....	1	....	2	89a
2	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	
4	2	1	....	1	3	2	1	....	1	1	....	....	....	....	....	....	89b
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	
591	310	163	457	6	136	129	149	117	144	125	99	133	111	120	121	143	
366	187	120	274	5	85	83	95	87	86	69	56	77	72	80	72	90	
225	123	43	183	1	51	46	54	39	58	56	43	56	39	40	49	53	
237	130	80	204	4	57	65	65	63	61	48	39	55	47	53	47	55	90-95
117	79	27	113	....	29	27	36	15	31	31	31	34	20	24	26	32	
....	....	2	....	....	1	....	....	....	....	....	....	....	....	1	....	....	90
1	....	1	....	....	1	....	....	....	1	....	....	....	....	....	....	....	
5	2	....	1	....	1	....	2	1	....	1	....	1	....	1	....	1	91
3	2	....	....	....	1	....	....	....	1	1	....	....	1	....	....	1	
5	2	....	1	....	1	....	2	1	....	1	....	1	....	1	....	1	91a
3	2	....	....	....	1	....	....	....	1	1	....	....	1	....	....	1	





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47	24	13	43	1	11	11	14	11	14	10	10	7	7	9	11	12	92
32	28	7	29	....	10	7	11	3	8	4	10	13	5	7	6	12	
47	23	13	43	1	11	11	14	11	13	10	10	7	7	9	11	13	92a
31	27	6	27	....	9	7	10	3	7	3	10	12	5	7	6	12	
....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	92b
1	1	1	2	....	1	....	1	....	1	....	....	1	....	....	....	....	
60	37	20	56	2	15	27	20	17	12	15	11	16	7	13	12	10	93
42	29	9	52	....	13	8	19	5	12	16	10	9	8	12	9	11	
3	3	1	8	....	....	2	2	1	2	....	1	1	1	4	....	1	93a
7	2	....	5	....	1	1	2	....	1	1	1	....	3	2	2	....	
3	....	....	....	....	1	....	1	....	....	....	....	....	....	....	1	....	93b
50	30	16	39	1	13	18	17	16	9	12	8	12	6	6	10	9	93c
33	25	9	42	....	11	6	17	4	10	14	9	9	4	7	7	11	
4	4	3	9	1	1	7	....	....	1	3	2	3	....	3	1	....	93d
2	2	....	5	....	1	1	....	1	1	1	....	....	1	3	....	....	
104	58	39	87	1	24	20	23	28	29	21	15	26	28	26	21	28	94
28	15	8	25	....	1	11	4	5	8	7	11	9	4	4	7	5	
3	3	3	5	....	1	4	1	....	1	1	1	1	....	2	2	....	94a
....	....	....	2	....	....	1	....	....	....	....	....	1	....	....	....	....	
87	48	31	69	1	17	16	21	26	26	18	12	22	20	21	14	23	94b
24	11	8	20	....	1	9	4	4	5	5	9	7	4	4	7	4	
14	7	5	13	....	6	....	1	2	2	2	2	3	8	3	5	5	94c
4	4	....	3	....	....	1	....	1	3	2	2	1	....	....	....	1	
21	9	6	17	....	5	7	6	6	1	3	5	5	3	3	3	3	95
11	5	2	7	....	3	1	2	2	1	3	....	3	2	1	4	3	
3	4	....	7	....	1	3	2	....	2	1	....	....	2	1	1	1	95a
5	3	....	1	....	2	....	....	....	....	3	....	....	2	1	1	1	
18	5	6	10	....	4	4	4	6	4	....	3	5	3	2	2	2	95b
6	2	2	6	....	1	1	2	2	1	....	....	3	....	1	3	2	
5	....	1	2	....	....	....	4	1	....	....	1	....	1	1	....	....	96
2	2	....	1	....	1	....	....	....	....	....	....	1	2	....	....	1	
87	38	27	51	1	20	10	17	16	14	11	14	17	17	23	20	25	97
64	31	10	39	1	15	12	10	9	17	17	6	13	9	13	14	10	
4	1	2	1	....	....	....	....	1	2	4	....	1	....	....	....	....	98
2	1	1	1	....	2	1	....	1	....	....	....	....	....	....	....	1	
4	1	....	....	....	1	....	....	1	....	....	....	1	....	1	1	....	99
1	1	1	....	....	....	....	1	1	1	....	....	....	....	....	....	....	
3	3	....	1	....	....	2	1	....	1	1	1	....	....	....	....	1	100
3	....	....	3	....	....	....	1	....	2	1	1	....	....	....	1	....	
....	1	1	....	....	....	....	....	....	1	....	....	....	1	....	....	....	101
26	13	9	15	....	7	6	8	5	7	5	1	3	6	2	4	9	102
35	9	4	26	....	3	6	6	4	7	7	5	8	8	3	8	9	
1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	103
358	58	22	100	3	63	60	68	40	42	29	46	22	22	43	51	55	
203	38	16	68	2	38	32	42	30	28	17	28	15	14	21	29	33	
155	20	6	32	1	25	28	26	10	14	12	18	7	8	22	22	22	
7	....	....	1	....	....	....	1	....	....	1	2	....	1	1	1	1	104
1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	
4	....	....	....	....	....	....	....	....	2	....	....	....	1	1	....	....	105
1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	
2	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	105a
2	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	105b
1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	
9	2	1	6	....	1	2	3	....	2	2	1	....	3	....	1	3	106
11	1	....	1	....	....	5	4	....	....	....	....	....	....	3	1	....	
7	1	....	....	....	1	1	....	....	....	1	1	....	1	....	1	2	106a
8	....	....	1	....	....	4	3	....	....	....	....	....	....	1	1	....	
2	1	....	6	....	....	1	3	....	2	1	....	....	1	....	....	1	106b
3	1	....	....	....	....	1	1	....	....	....	....	....	....	2	....	....	
....	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	106c
76	7	2	12	1	19	10	16	10	8	3	5	3	3	6	12	107	
48	3	1	10	....	7	10	6	3	3	5	4	4	4	4	6	6	
75	7	2	12	1	19	10	15	10	8	3	5	3	3	6	12	107a	
47	3	1	10	....	7	10	6	3	3	3	5	4	4	3	6	6	
1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	107b
1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	

TABLE 92.—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL

Int. list No.	Causes of death	Total	Conjugal condition											Widowed	Not stated	
			Under 15 years	Single					Married							
				15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Age not stated	15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Age not stated			
108	Lobar pneumonia	M.	119	25	6	5	6	5	....	....	10	34	17	....	11	..
		F.	86	28	6	3	1	2	....	1	7	11	9	....	18	..
109	Pneumonia, unspecified	M.	32	22	....	....	2	....	....	1	....	2	3	....	2	..
		F.	32	23	1	1	....	....	....	....	1	2	....	4	..	
110	Pleurisy	M.	7	....	1	1	2	1	....	....	....	2	....	....	....	..
		F.	1	....	....	....	....	....	....	....	1	....	....	....	....	..
111	Congestion and hæmorrhagic infarct of the lung, etc.	M.	7	1	....	....	1	....	....	....	1	....	6	....	2	..
		F.	8	3	....	....	....	....	....	....	....	....	2	....	3	..
	(a) Pulmonary embolism and thrombosis	M.	2	....	....	....	1	....	....	....	....	....	1	....	....	..
		F.	1	....	....	....	....	....	....	....	....	....	....	....	1	..
	(b) Others under this title	M.	5	1	....	....	....	....	....	....	1	....	1	....	2	..
		F.	7	3	....	....	....	....	....	....	....	....	2	....	2	..
112	Asthma	M.	23	1	....	....	1	1	....	....	....	5	6	....	8	1
		F.	8	....	....	....	....	....	....	....	....	2	3	....	3	..
113	Pulmonary emphysema	M.	2	....	1	....	....	....	....	....	....	....	....	....	1	..
114	Other diseases of the respiratory system (tuberculosis excepted)	M.	9	....	....	2	2	....	....	....	....	3	2	....	....	..
		F.	2	....	....	....	....	....	....	....	....	1	1	....	....	..
	(a) Chronic interstitial pneumonia including occupational diseases of the respiratory system	M.	1	....	....	....	1	....	....	....	....	....	....	....	....	..
		F.	1	....	....	....	....	....	....	....	....	....	1	....	....	..
	(c) Others under this title	M.	8	....	....	2	1	....	....	....	....	3	2	....	....	..
		F.	1	....	....	....	....	....	....	....	....	1	....	....	....	..
	Class IX—Diseases of the digestive system	Total	627	235	32	18	18	10	2	3	51	105	65	....	87	1
		M.	376	126	21	15	17	10	2	....	33	72	40	....	39	1
		F.	251	109	11	3	1	....	....	3	18	33	25	....	48	..
115	Diseases of the buccal cavity and annexa, and of the pharynx and tonsils (including adenoid vegetations)	M.	20	4	2	1	1	1	....	....	2	5	2	....	2	..
		F.	18	11	2	....	....	....	....	....	2	1	1	....	1	..
	(a) Diseases of the buccal cavity and annexa	M.	8	....	1	....	....	1	....	....	....	3	2	....	1	..
		F.	3	1	....	....	....	....	....	....	....	....	1	....	....	..
	(b) Diseases of the tonsils	M.	6	2	1	....	1	....	....	....	1	1	....	....	....	..
		F.	8	6	1	....	....	....	....	....	1	....	....	....	....	..
	(c) Others under this title	M.	6	2	....	1	....	....	....	....	1	1	....	....	1	..
		F.	7	4	1	....	....	....	....	....	1	1	....	....	....	..
116	Diseases of the œsophagus	F.	2	1	....	....	....	....	....	....	....	....	....	....	1	..
117	Ulcer of the stomach or duodenum	M.	56	....	....	5	4	....	....	....	10	22	9	....	5	1
		F.	10	1	1	1	....	....	....	....	1	4	....	....	2	..
	(a) Ulcer of the stomach	M.	36	....	....	2	....	....	....	....	8	15	8	....	3	..
		F.	9	1	1	....	....	....	....	....	1	4	....	....	2	..
	(b) Ulcer of the duodenum	M.	20	....	....	3	4	....	....	....	2	7	1	....	2	1
		F.	1	....	....	1	....	....	....	....	....	....	....	....	....	..
118	Other diseases of the stomach	M.	12	5	....	....	....	1	....	....	1	2	....	....	3	..
		F.	9	6	....	....	....	....	....	....	....	1	1	....	1	..
119	Diarrhœa and enteritis (under 2 years of age)	M.	73	73	....	....	....	....	....	....	....	....	....	....	....	..
		F.	56	56	....	....	....	....	....	....	....	....	....	....	....	..
120	Diarrhœa and enteritis (2 years and over)	M.	25	7	2	2	....	....	....	....	1	4	5	....	4	..
		F.	17	4	....	....	....	....	....	....	1	3	3	....	6	..
	(a) Diarrhœa and enteritis	M.	15	6	1	....	....	....	....	....	....	1	4	....	3	..
		F.	17	4	....	....	....	....	....	....	1	3	3	....	6	..
	(b) Ulceration of the intestines	M.	10	1	1	2	....	....	....	....	1	3	1	....	1	..
121	Appendicitis	M.	73	24	14	5	4	....	1	....	8	14	1	....	2	..
		F.	40	23	6	1	....	....	....	3	3	3	1	....	....	..
122	Hernia, intestinal obstruction	M.	52	9	2	1	5	2	1	....	7	9	6	....	10	..
		F.	35	5	1	....	1	....	....	....	4	7	6	....	11	..
	(a) Hernia	M.	30	2	1	1	4	1	....	....	3	5	6	....	7	..
		F.	11	....	....	....	....	....	....	....	1	3	2	....	5	..
	(b) Intestinal obstruction	M.	22	7	1	....	1	1	1	....	4	4	....	....	3	..
		F.	24	5	1	....	1	....	....	....	3	4	4	....	6	..
123	Other diseases of the intestines	M.	5	....	....	....	....	1	....	....	1	1	1	....	1	..
		F.	2	....	....	....	....	....	....	....	....	1	....	....	....	..
124	Cirrhosis of the liver	M.	14	1	....	....	....	....	....	....	2	2	3	....	5	..
		F.	8	....	....	....	....	....	....	....	1	3	1	....	3	..
	(a) Specified as alcoholic	M.	1	....	....	....	....	....	....	....	....	1	....	....	....	..
		F.	1	....	....	....	....	....	....	....	....	....	....	....	....	..
	(b) Not specified as alcoholic	M.	13	1	....	....	....	1	....	....	2	1	3	....	5	..
		F.	8	....	....	....	....	....	....	....	1	3	1	....	3	..
125	Other diseases of the liver	M.	6	....	....	....	....	....	....	....	....	1	3	....	2	..
		F.	4	....	....	....	....	....	....	....	1	....	3	....	....	..
	(a) Yellow atrophy of the liver	M.	1	....	....	....	....	....	....	....	....	....	....	....	1	..
		F.	1	....	....	....	....	....	....	....	....	....	....	....	....	..
	(b) Others under this title	M.	5	....	....	....	....	....	....	....	....	1	3	....	1	..
		F.	4	....	....	....	....	....	....	....	1	....	3	....	....	..

CONDITION, NATIVITY AND MONTH OF DEATH, 1938.—Continued.

Nativity					Months												Int. Hist. No.
Canada	British	Foreign		Not stated	January	February	March	April	May	June	July	August	September	October	November	December	
		United States	Other														
64	18	7	29	1	9	10	16	13	7	8	11	7	2	9	15	12	108
55	10	3	17	1	11	9	8	3	6	4	11	1	1	12	8	12	
26	2	....	4	....	4	3	2	5	5	2	5	1	1	1	1	2	109
39	....	....	2	....	5	2	6	3	3	1	2	1	2	2	2	3	
4	....	2	1	....	....	1	1	1	....	....	....	....	....	....	2	2	110
....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	
3	1	....	3	....	2	1	1	....	....	....	....	1	1	1	....	....	111
5	1	2	....	....	....	2	....	....	1	....	....	1	1	....	3	....	111a
1	....	....	1	....	2	....	....	....	....	....	....	....	....	....	....	....	
1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	
2	1	....	2	....	....	1	1	....	....	....	....	1	1	1	....	....	111b
4	1	2	....	....	....	2	....	....	....	....	....	1	1	....	3	....	
6	6	2	9	....	3	4	1	1	4	1	2	....	1	4	2	....	112
3	5	....	....	....	2	....	1	1	1	....	....	....	....	1	2	....	
1	....	....	1	....	....	....	....	....	....	....	....	....	1	....	1	....	113
3	2	2	2	....	....	1	1	....	....	....	2	3	....	1	....	1	114
1	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	1	
....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	114a
....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	
3	1	2	2	....	....	1	1	....	....	....	1	3	....	1	....	1	114c
1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	
387	65	35	139	1	51	47	41	34	48	53	45	62	74	72	46	54	
225	44	24	83	....	31	31	21	22	33	25	25	38	42	42	27	39	
162	21	11	56	1	20	16	20	12	15	28	20	24	32	30	19	15	
12	3	2	3	....	2	2	2	1	1	1	1	2	1	3	2	2	115
14	3	....	1	....	....	4	2	....	4	....	1	3	....	....	1	3	
4	1	2	1	....	1	1	1	....	....	1	....	1	....	....	1	2	115a
2	1	....	....	....	....	....	1	....	2	....	....	....	....	....	....	....	
4	1	....	1	....	....	1	1	1	....	....	1	....	1	1	....	....	115b
7	....	....	1	....	....	1	1	....	....	....	1	2	....	....	1	2	
4	1	....	1	....	1	....	....	....	1	....	....	1	....	2	1	....	115c
5	2	....	....	....	....	3	....	....	2	....	....	1	....	....	....	1	
1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	1	....	116
14	13	6	23	....	4	3	4	5	5	5	6	5	2	5	5	7	117
5	1	2	1	1	1	....	2	1	....	2	2	1	....	....	....	1	
8	6	3	10	....	1	1	1	3	4	5	3	2	2	3	5	6	117a
5	1	2	1	....	1	....	2	1	....	1	2	....	1	....	....	1	
6	7	3	4	....	3	2	3	2	1	....	3	3	....	2	....	1	117b
....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	
6	2	....	4	....	1	1	1	....	....	1	1	2	1	....	1	3	118
8	....	....	1	....	1	....	1	1	....	1	1	2	1	....	1	....	
73	....	....	....	....	5	2	3	4	5	5	2	6	20	16	2	3	119
56	....	....	....	....	3	2	1	1	1	4	6	5	14	14	4	1	
17	1	2	5	....	2	2	4	1	2	2	1	2	2	3	3	1	120
7	2	....	8	....	....	2	2	....	1	1	....	1	4	6	....	....	
10	....	1	4	....	....	1	3	1	1	....	1	2	1	2	2	1	120a
7	2	....	8	....	....	2	2	....	1	1	....	1	4	6	....	....	
7	1	1	1	....	2	1	1	....	1	2	....	....	1	1	1	....	120b
49	6	3	15	....	6	6	3	7	10	3	4	6	7	8	9	4	121
32	3	1	4	....	7	1	5	3	1	5	....	5	4	2	3	4	
27	7	3	15	....	7	4	2	2	4	5	4	4	4	4	2	10	122
17	1	4	13	....	1	2	1	3	2	5	4	3	3	5	2	4	
14	4	2	10	....	5	1	1	2	4	....	3	2	2	1	7	7	122a
5	....	....	6	....	....	1	1	1	1	2	1	....	....	2	1	1	
13	3	1	5	....	2	3	1	....	....	5	1	2	2	2	1	3	122b
12	1	4	7	....	1	1	....	2	1	3	3	3	3	3	1	3	
4	1	....	....	....	1	3	....	....	....	....	....	....	....	1	....	....	123
....	1	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....	
6	2	2	4	....	1	2	2	....	....	1	....	3	1	1	1	2	124
4	1	....	3	....	....	....	....	1	....	....	....	2	2	....	3	....	
....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	124a
6	2	1	4	....	1	2	2	....	....	....	....	3	1	1	1	2	124b
4	1	....	3	....	....	....	....	1	....	....	....	2	2	....	3	....	
4	....	....	2	....	1	1	....	....	....	....	2	....	....	....	....	....	125
2	....	....	2	....	....	1	....	....	....	....	....	2	....	....	1	....	
1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	125a
3	....	....	2	....	....	1	....	....	....	....	2	....	....	....	....	2	125b
2	....	....	2	....	....	1	....	....	....	....	....	....	....	....	1	....	

TABLE 92A.—SPECIAL CLASSES OF ACCIDENTAL DEATHS (INCLUDED

Int. list No.	Causes of death	Total	Conjugal condition										Widowed	Not stated	
			Under 15 years	Single					Married						
				15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Age not stated	15 to 24 years	25 to 44 years	45 to 64 years	65 years and over			Age not stated
126	Biliary calculi .....	M. 16	---	---	---	1	---	---	1	5	5	---	4	..	
	F. 25	---	1	1	---	---	---	---	1	5	7	---	10	..	
127	Other diseases of the gall-bladder and biliary passages .....	M. 18	---	1	1	2	2	---	---	6	5	---	1	..	
	F. 17	---	---	---	---	---	---	---	1	4	2	---	10	..	
128	Diseases of the pancreas.....	M. 1	---	---	---	---	---	---	---	1	---	---	---	..	
	F. 1	---	---	---	---	---	---	---	1	---	---	---	---	..	
129	Peritonitis, cause not specified .....	M. 5	3	---	1	1	---	---	---	---	---	---	---	..	
	F. 7	2	---	---	---	---	---	---	2	1	---	---	2	..	
	Class X—Diseases of the genito-urinary system .....	Total 411	10	6	5	13	21	---	---	20	96	128	---	111	1
	M. 265	4	4	4	10	17	---	---	6	61	94	---	64	1	
	F. 146	6	2	1	3	4	---	---	14	35	34	---	47	..	
130	Acute nephritis (including unspecified, under 10 years of age) .....	M. 9	1	3	---	---	---	---	1	2	2	---	---	..	
	F. 6	3	---	---	---	---	---	---	1	2	---	---	---	..	
131	Chronic nephritis .....	M. 124	1	2	7	7	---	---	3	35	41	---	27	1	
	F. 100	2	---	3	4	---	---	---	6	26	23	---	36	..	
132	Nephritis, unspecified (10 years and over) .....	M. 19	---	---	---	1	---	---	1	5	7	---	5	..	
	F. 11	---	---	---	---	---	---	---	---	2	4	---	5	..	
133	Other diseases of the kidneys and ureters .....	M. 10	1	1	1	1	---	---	---	3	2	---	1	..	
	F. 14	1	---	1	---	---	---	---	2	2	4	---	4	..	
134	Calculi of the urinary passages .....	M. 8	---	---	---	1	---	---	---	3	2	---	2	..	
	F. 1	---	---	---	---	---	---	---	---	---	---	---	1	..	
135	Diseases of the bladder (tumours excepted) .....	M. 9	---	---	1	---	---	---	---	2	4	---	2	..	
	F. 2	---	---	---	---	---	---	---	---	---	1	---	1	..	
136	Diseases of the urethra, urinary abscess, etc. (a) Stricture of the urethra .....	M. 3	1	1	---	1	---	---	---	---	---	---	---	..	
	M. 3	1	---	1	---	1	---	---	---	---	---	---	---	..	
137	Diseases of the prostate.....	M. 81	---	---	1	7	---	---	---	11	36	---	26	..	
138	Diseases of the male genital organs (not specified as venereal) .....	M. 2	---	---	---	---	---	---	1	---	---	---	1	..	
139	Diseases of the female genital organs (not specified as venereal) .....	F. 12	---	2	---	---	---	---	---	5	3	2	---	..	
	(a) Of the ovary, Fallopian tube and parametrium .....	F. 3	---	2	---	---	---	---	---	1	---	---	---	..	
	(b) Of the uterus .....	F. 9	---	---	---	---	---	---	4	3	2	---	---	..	
	Class XI—Diseases of pregnancy, childbirth, and the puerperal state .....	Total 46	---	3	---	---	---	---	6	37	---	---	---	..	
140	Abortion with septic conditions .....	F. 8	---	1	---	---	---	---	1	6	---	---	---	..	
	(a) Abortion .....	F. 8	---	1	---	---	---	---	1	6	---	---	---	..	
141	Abortion without mention of septic conditions (haemorrhage included) .....	F. 3	---	---	---	---	---	---	---	3	---	---	---	..	
	(a) Abortion .....	F. 3	---	---	---	---	---	---	---	3	---	---	---	..	
142	Ectopic gestation .....	F. 1	---	---	---	---	---	---	1	---	---	---	---	..	
	(b) Without mention of septic conditions .....	F. 1	---	---	---	---	---	---	---	1	---	---	---	..	
144	Puerperal haemorrhage .....	F. 8	---	1	---	---	---	---	---	7	---	---	---	..	
	(a) Placenta praevia .....	F. 1	---	---	---	---	---	---	---	1	---	---	---	..	
	(b) Other haemorrhages .....	F. 7	---	1	---	---	---	---	---	6	---	---	---	..	
145	Puerperal septicaemia (not specified as due to abortion) .....	F. 9	---	1	---	---	---	---	2	6	---	---	---	..	
	(a) Puerperal septicaemia and pyaemia .....	F. 9	---	1	---	---	---	---	2	6	---	---	---	..	
146	Puerperal albuminuria and eclampsia .....	F. 6	---	---	---	---	---	---	1	5	---	---	---	..	
148	Puerperal phlegmasia alba dolens, embolism or sudden death (not specified as septic) .....	F. 9	---	---	---	---	---	---	2	7	---	---	---	..	
	(a) Phlegmasia alba dolens and thrombosis .....	F. 1	---	---	---	---	---	---	1	---	---	---	---	..	
	(b) Embolism .....	F. 7	---	---	---	---	---	---	1	6	---	---	---	..	
	(c) Sudden death .....	F. 1	---	---	---	---	---	---	1	---	---	---	---	..	
149	Other accidents of childbirth .....	F. 2	---	---	---	---	---	---	---	2	---	---	---	..	
	(a) Caesarean operation .....	F. 1	---	---	---	---	---	---	---	1	---	---	---	..	
	(d) Rupture of uterus in parturition .....	F. 1	---	---	---	---	---	---	---	1	---	---	---	..	



TABLE 92.—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL

Int. list No.	Causes of death	Total	Conjugal condition											Widowed	Not stated	
			Under 15 years	Single					Married							
				15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Age not stated	15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Age not stated			
	Class XII—Diseases of the skin and cellular tissue	Total	24	10	3	1	2	1	4	3						
		M.	11	5	2	1	2		1							
		F.	13	5	1			1	3	3						
151	Carbuncle	M.	1						1							
		F.	2	1	1											
152	Cellulitis, acute abscess	M.	7	4	2	1										
		F.	6	2				1	1	2						
153	Other diseases of the skin and annexa and of the cellular tissue	M.	3	1			2									
		F.	5	2					2	1						
	Class XIII—Diseases of the bones and organs of locomotion	Total	19	6	2	1			2	4	2			2		
		M.	11	4	2	1			1	2	1					
		F.	8	2					1	2	1			2		
154	Osteomyelitis	M.	5	3		1				1						
		F.	6	2					1	2				1		
155	Other diseases of the bones (tuberculosis excepted)	M.	2						1		1					
		F.	1								1					
156	Diseases of the joints and other organs of locomotion	M.	4	1	2					1					1	
		F.	1													
	(a) Of the joints (tuberculosis and rheumatism excepted)	M.	2	1						1						
		F.	1												1	
	(b) Of other organs of locomotion	M.	2		2											
	Class XIV—Congenital Malformations	Total	89	88						1						
		M.	51	51												
		F.	38	37						1						
157	Congenital malformations (stillbirths excluded)	M.	51	51												
		F.	38	37						1						
	(a) Congenital hydrocephalus	M.	4	4												
		F.	6	6												
	(b) Spina bifida and meningocele	M.	3	3												
		F.	4	4												
	(c) Congenital malformations of the heart	M.	25	25												
		F.	14	13						1						
	(d) Monstrosities	M.	2	2												
		F.	3	3												
	(e) Others under this title	M.	17	17												
		F.	11	11												
	Class XV—Diseases of early infancy	Total	432	432												
		M.	255	255												
		F.	177	177												
158	Congenital debility	M.	21	21												
		F.	23	23												
159	Premature birth	M.	141	141												
		F.	107	107												
160	Injury at birth	M.	52	52												
		F.	23	23												
	(a) With mention of caesarean operation	F.	1	1												
	(b) Without mention of caesarean operation	M.	52	52												
		F.	22	22												
161	Other diseases peculiar to early infancy (under 3 months)	M.	41	41												
		F.	24	24												
	(a) Atelectasis	M.	12	12												
		F.	9	9												
	(b) Icterus of the newborn	M.	6	6												
		F.	1	1												
	(c) Sclerema and oedema	F.	1	1												
	(d) Athropsia	M.	2	2												
		F.	2	2												
	(e) Others, including lack of care	M.	19	19												
		F.	10	10												
	(f) No cause given, no doctor in attendance	M.	2	2												
		F.	1	1												
	Class XVI—Senility	Total	112				10				36			66		
		M.	66				10				30			26		
		F.	46								6			40		
162	Senility	M.	66				10				30			26		
		F.	46								6			40		

CONDITION, NATIVITY AND MONTH OF DEATH, 1938.—Continued.

Canada	Nativity				Months												Int. list No.
	British	Foreign		Not stated	January	February	March	April	May	June	July	August	September	October	November	December	
		United States	Other														
17	3	1	3	....	1	2	....	1	4	1	3	....	3	7	....	2	
8	2	1	1	....	1	....	....	....	3	1	2	....	1	3	....	....	
9	1	1	2	....	....	2	....	1	1	....	1	....	2	4	....	2	
1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	151
2	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	
6	....	....	1	....	1	....	....	....	2	1	2	....	1	....	....	....	152
3	1	1	1	....	....	1	....	1	....	....	1	....	1	2	....	....	
1	2	....	....	....	....	....	....	....	....	....	....	....	....	3	....	....	153
4	....	....	1	....	....	....	....	....	1	....	....	....	1	1	....	2	
12	3	1	3	....	3	1	3	3	1	1	2	....	3	2	....	....	
7	2	1	1	....	....	....	2	1	1	1	2	....	2	2	....	....	
5	1	....	2	....	3	1	1	2	....	....	....	....	1	....	....	....	
3	....	1	1	....	....	....	1	....	....	....	2	....	1	1	....	....	154
4	....	....	2	....	2	....	1	2	....	....	....	....	1	....	....	....	
1	1	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	155
1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	
3	1	....	....	....	....	....	....	1	....	1	....	....	1	1	....	....	156
....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	
1	1	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	156a
....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	
2	....	....	....	....	....	....	....	....	....	....	....	....	1	1	....	....	156b
88	....	....	1	....	5	5	9	5	5	5	14	3	2	17	9	10	
51	....	....	....	....	5	2	6	3	3	2	9	3	....	10	6	2	
37	....	....	1	....	....	3	3	2	2	3	5	....	2	7	3	8	
51	....	....	....	....	5	2	6	3	3	2	9	3	....	10	6	2	157
37	....	....	1	....	....	3	3	2	2	3	5	....	2	7	3	8	
4	....	....	....	....	1	....	1	....	....	1	1	....	....	....	....	....	157a
6	....	....	....	....	....	....	....	....	....	....	....	....	1	3	....	2	
3	....	....	....	....	1	....	1	....	....	....	....	....	....	1	....	....	157b
4	....	....	....	....	....	1	....	1	....	....	....	....	....	1	....	1	
25	....	....	....	....	2	2	3	1	1	1	5	1	....	6	2	1	157c
13	....	....	1	....	....	1	2	1	1	....	3	....	....	1	2	3	
2	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	157d
3	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	
17	....	....	....	....	1	....	1	1	2	....	3	2	....	4	2	1	157e
11	....	....	....	....	....	....	1	....	1	2	2	....	....	3	....	2	
432	....	....	....	....	30	36	40	46	34	33	47	31	33	33	38	28	
255	....	....	....	....	19	25	22	25	22	13	30	20	23	19	21	16	
177	....	....	....	....	11	11	18	21	12	20	17	14	10	14	17	12	
21	....	....	....	....	1	1	4	2	4	....	2	2	1	2	2	....	158
23	....	....	....	....	2	3	3	3	....	3	....	3	1	2	1	2	
141	....	....	....	....	11	10	11	13	9	7	17	14	13	10	16	10	159
107	....	....	....	....	5	6	13	11	7	10	14	8	7	8	11	7	
52	....	....	....	....	3	4	6	10	4	2	8	1	5	5	1	3	160
23	....	....	....	....	2	1	1	2	4	2	1	1	1	2	4	2	
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	160a
52	....	....	....	....	3	4	6	10	4	2	8	1	5	5	1	3	160b
22	....	....	....	....	2	1	1	2	4	2	1	1	1	2	4	1	
41	....	....	....	....	4	10	1	....	5	4	3	3	4	2	2	3	161
24	....	....	....	....	2	1	1	5	1	5	2	2	1	2	1	1	
12	....	....	....	....	1	4	1	....	1	1	....	1	1	....	1	1	161a
9	....	....	....	....	2	....	....	2	....	2	1	....	1	1	....	....	
6	....	....	....	....	1	1	....	....	1	1	....	....	1	....	1	....	161b
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	
1	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	161c
2	....	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	161d
2	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	
19	....	....	....	....	2	3	....	....	3	2	2	2	2	1	....	2	161e
10	....	....	....	....	....	1	....	2	1	3	1	1	....	....	1	....	
2	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	161f
1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	
47	13	7	44	1	13	9	9	11	8	11	2	15	11	11	5	7	
25	6	4	31	....	9	6	3	7	7	6	1	8	6	5	3	5	
22	7	3	13	1	4	3	6	4	1	5	1	7	5	6	2	2	
25	6	4	31	....	9	6	3	7	7	6	1	8	6	5	3	5	162
22	7	3	13	1	4	3	6	4	1	5	1	7	5	6	2	2	



TABLE 92.—CAUSES OF DEATH FOR EACH SEX BY CONJUGAL

Int. list No.	Causes of death	Total	Conjugal condition										Widowed	Not stated	
			Under 15 years	Single					Married						
				15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Age not stated	15 to 24 years	25 to 44 years	45 to 64 years	65 years and over			Age not stated
	(a) With senile dementia (70 years and over) M.	16	....	....	....	1	....	....	....	....	9	....	6	..	
	F.	8	....	....	....	....	....	....	....	2	....	....	6	..	
	(b) Without senile dementia (70 years and over) M.	59	....	....	....	9	....	....	....	....	21	....	20	..	
	F.	37	....	....	....	....	....	....	....	3	....	....	34	..	
	(c) Premature senility (55 years but under 70 years) F.	1	....	....	....	....	....	....	....	....	1	....	....	..	
	Class XVII—Violent or accidental deaths M.	403	87	41	35	25	10	1	....	56	73	29	1	43	2
	F.	307	57	30	34	25	7	1	....	42	64	22	1	22	2
163-171	Suicides M.	96	30	11	1	....	3	....	....	14	9	7	....	21	..
	F.	68	....	4	13	5	1	1	....	9	26	1	....	6	2
	163 Suicide by solid or liquid poisons or by absorption of corrosive substances M.	11	....	....	1	....	....	....	....	3	6	....	....	1	..
	F.	5	....	1	....	....	....	....	....	2	1	....	....	1	..
	164 Suicide by poisonous gas M.	1	....	....	....	....	....	....	....	1	....	....	....	....	..
	165 Suicide by hanging or strangulation M.	22	....	1	4	2	....	1	....	1	7	1	....	4	1
	M.	7	....	....	1	1	....	....	....	....	4	....	....	....	1
	F.	3	....	1	....	....	....	....	....	1	1	....	....	....	..
	167 Suicide by firearms M.	24	....	3	6	2	1	....	....	4	8	....	....	....	..
	F.	2	....	2	....	....	....	....	....	....	....	....	....	....	..
	168 Suicide by cutting or piercing instruments M.	3	....	....	1	....	....	....	....	....	1	....	....	1	..
173-175	Homicides M.	8	2	1	1	....	....	....	....	....	3	1	....	....	..
	F.	6	2	....	....	....	....	....	....	2	1	....	....	1	..
	173 Homicide by firearms M.	3	....	....	....	....	....	....	....	....	2	1	....	....	..
	F.	3	....	1	....	....	....	....	....	1	1	....	....	....	..
	175 Homicide by other means M.	5	....	2	1	1	....	....	....	....	1	....	....	....	..
	F.	3	....	1	....	....	....	....	....	1	....	....	....	1	..
176-198	Other violent deaths M.	231	55	25	20	20	6	....	....	33	35	20	1	16	..
	F.	80	28	7	1	....	3	....	....	9	6	7	....	19	..
	177 Food poisoning F.	1	....	....	....	....	....	....	....	....	....	....	....	1	..
	178 Accidental absorption of toxic gases M.	7	....	1	....	1	....	....	....	3	2	....	....	....	..
	179 Other acute accidental poisonings (except by gas) F.	4	....	4	....	....	....	....	....	....	1	1	....	....	..
	180 Conflagration M.	7	....	2	....	1	....	....	....	1	1	....	....	1	..
	F.	4	....	4	....	....	....	....	....	....	....	....	....	....	..
	181 Accidental burns (conflagration excepted) M.	12	....	6	....	2	....	....	....	1	2	....	....	1	..
	F.	12	....	9	....	....	....	....	....	3	....	....	....	....	..
	182 Accidental mechanical suffocation F.	13	....	8	....	2	1	....	....	....	1	....	....	1	..
	M.	2	....	2	....	....	....	....	....	....	....	....	....	....	..
	183 Accidental drowning M.	31	....	9	10	4	1	....	....	2	2	....	....	3	..
	F.	2	....	1	....	....	....	....	....	....	....	....	....	....	..
	184 Accidental injury by firearms M.	10	....	6	....	2	1	....	....	1	....	....	....	....	..
	F.	1	....	....	1	....	....	....	....	....	....	....	....	....	..
	185 Accidental injury by cutting or piercing instruments M.	5	....	1	....	....	....	....	....	....	2	....	....	....	..
	186 Accidental injury by fall, M.	102	13	10	11	10	3	....	....	13	19	15	1	7	..
	F.	45	7	6	1	....	3	....	....	6	6	4	....	12	..
	188 Injuries by animals M.	19	....	2	....	1	1	....	....	....	3	1	....	....	..
	190 Excessive cold M.	8	....	1	....	....	3	1	....	2	....	....	....	1	..
	191 Excessive heat M.	4	....	....	1	....	....	....	....	1	....	....	....	....	..
	F.	1	....	....	....	....	....	....	....	....	....	....	....	....	..
	192 Lightning M.	2	....	....	....	1	....	....	....	....	....	....	....	....	..
	193 Accidents due to electric currents M.	2	....	....	....	....	....	....	....	1	1	....	....	....	..
	194 Other accidents M.	10	....	2	1	....	....	....	....	....	4	....	....	2	..
	F.	7	....	1	....	....	....	....	....	....	....	....	....	4	..
	(a) Foreign body F.	1	....	1	....	....	....	....	....	....	....	....	....	....	..
	(b) Others under this title M.	10	....	2	1	....	....	....	....	....	4	....	....	2	..
	F.	6	....	....	....	....	....	....	....	....	....	....	....	4	..
	195 Violent deaths of which the nature (accident, suicide, M. homicide) is unknown F.	1	....	....	....	....	....	....	....	....	1	....	....	....	..
	M.	1	....	....	....	....	....	....	....	....	....	....	....	1	..
	Class XVIII—Ill-defined causes of death M.	35	11	1	1	3	2	1	....	3	5	5	....	3	..
	F.	26	7	1	1	2	2	1	....	2	4	3	....	3	..
	199 Sudden death M.	13	....	4	....	1	....	....	....	1	1	2	....	....	..
	F.	3	....	1	....	1	....	....	....	2	2	....	....	1	..
	200 Cause of death not specified or ill-defined M.	13	....	5	1	1	....	....	....	....	2	1	....	2	..
	F.	6	....	3	....	....	....	....	....	1	1	....	....	....	..

CONDITION, NATIVITY AND MONTH OF DEATH, 1938.—Continued.

Canada	Nativity				Months												Int. list No.
	British	Foreign		Not stated	January	February	March	April	May	June	July	August	September	October	November	December	
		United States	Other														
6	2	3	5	...	5	...	...	...	1	2	...	4	2	1	1	...	162a
2	1	...	5	...	...	2	...	...	...	2	...	2	1	1	...	...	...
19	4	1	26	...	4	6	3	7	6	4	1	4	4	4	2	5	162b
19	6	3	8	1	4	1	5	4	1	3	1	5	4	5	2	2	...
1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	162c
229	45	28	96	5	23	18	32	25	46	35	48	44	30	49	29	24	...
165	34	20	83	5	18	14	20	21	33	26	37	28	26	44	22	18	...
64	11	8	13	...	5	4	12	4	13	9	11	16	4	5	7	6	...
29	9	6	22	2	3	7	5	5	4	9	3	7	2	16	4	3	163-171
6	1	...	3	...	...	...	...	1	1	...	1	3	...	1	1	2	...
2	...	3	6	...	1	...	...	2	...	...	1	1	1	3	1	1	163
3	1	...	1	...	...	...	...	1	...	...	1	2	...	...	...	1	...
1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	164
5	3	1	12	1	2	3	1	1	1	4	2	4	...	4	...	...	165
3	1	...	2	1	...	...	...	...	1	1	...	1	1	3	...	...	166
1	...	...	2	...	...	...	...	...	...	...	...	1	...	1	...	1	...
16	4	2	2	...	...	3	4	1	1	3	...	1	...	6	3	2	167
2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...
2	1	...	...	...	...	1	...	1	...	1	...	...	...	...	...	...	168
2	1	1	3	1	...	1	1	...	1	2	...	...	1	...	2	...	173-175
5	...	...	1	...	...	1	2	...	...	...	...	2	...	1	...	...	...
...	1	1	1	...	...	...	...	...	1	...	...	...	1	...	1	...	173
2	...	...	1	...	...	1	1	...	...	...	...	1	...	...	...	...	...
2	...	...	2	1	...	1	1	...	...	2	...	...	...	...	1	...	175
3	...	...	...	...	...	...	1	...	...	...	...	1	...	1	...	...	...
134	24	13	58	2	15	6	14	16	28	15	34	21	23	28	16	15	176-198
53	10	8	9	...	5	3	10	3	12	9	10	11	4	3	6	4	...
...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	177
4	1	1	1	...	...	...	...	...	3	...	2	...	...	1	...	1	178
6	...	...	1	...	...	...	...	1	3	...	...	1	...	1	...	1	179
4	...	...	...	...	...	...	1	...	1	...	...	2	...	...	...	...	...
6	1	...	...	...	1	...	1	1	...	...	...	...	...	2	2	...	180
4	...	...	...	...	1	...	...	2	...	1	...	...	...	...	...	...	...
8	1	...	3	...	2	...	1	1	1	...	...	2	1	2	...	2	181
10	1	1	...	...	1	1	2	...	2	1	...	2	...	...	1	2	...
10	1	...	2	...	2	...	...	3	...	2	...	...	2	1	2	1	182
2	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...
26	...	3	2	...	...	...	1	2	1	3	14	5	1	3	1	...	183
2	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...
8	...	...	2	...	...	1	...	...	3	1	...	...	1	...	3	2	184
...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...
2	1	...	2	...	1	...	...	...	...	2	...	1	...	...	...	1	185
49	16	5	31	1	6	2	7	6	15	5	12	8	15	13	6	7	186
27	6	6	6	...	3	2	3	1	8	5	8	4	3	1	5	2	...
2	2	1	4	1	...	1	...	...	1	...	1	2	3	2	...	...	188
6	...	...	2	...	3	1	1	...	...	1	...	...	...	...	...	2	190
1	...	1	2	...	...	...	...	1	...	...	2	...	1	...	...	...	191
...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
...	1	1	...	...	...	...	...	...	...	1	...	1	...	...	...	...	192
...	...	...	2	...	...	...	...	...	...	1	...	1	...	...	...	...	193
5	...	1	4	...	...	1	3	1	1	1	1	...	...	...	2	...	194
4	2	...	1	...	...	...	2	...	...	1	1	1	...	2	...	...	...
1	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	194a
5	...	1	4	...	...	1	3	1	1	1	1	...	...	...	2	...	194b
3	2	...	1	...	...	...	2	...	...	1	...	1	...	2	...	...	...
1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	195
...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...
20	4	5	6	...	4	5	2	4	6	2	2	...	2	5	1	2	...
16	3	3	4	...	3	2	2	4	4	2	2	...	2	3	1	1	...
4	1	2	2	...	1	3	...	...	2	...	...	...	2	2	...	1	...
7	3	1	2	...	1	1	1	2	3	1	1	...	1	1	1	...	199
1	1	...	1	...	...	2	...	...	...	...	...	...	1	1	...	...	...
9	...	2	2	...	2	1	1	2	1	1	1	...	1	2	...	1	200
3	...	2	1	...	1	1	...	...	2	...	...	...	...	1	...	1	...

TABLE 92A.—SPECIAL CLASSES OF ACCIDENTAL DEATHS (INCLUDED

Int. list No.	Causes of death	Total	Conjugal condition										Widowed	Not stated	
			Under 15 years	Single					Married						
				15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Age not stated	15 to 24 years	25 to 44 years	45 to 64 years	65 years and over			Age not stated
A	Accidents in mines and quarries .....M.	3	.....	.....	2	.....	.....	.....	.....	1	.....	.....	.....	.....	..
B	Accidents caused by machines .....M.	16	.....	2	1	.....	.....	.....	.....	5	7	1	.....	.....	..
C	Railway accidents .....M.	15	1	1	2	1	.....	.....	.....	3	4	1	1	1	..
	.....F.	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
E	Automobile and motoreycle accidents .....M.	32	2	5	4	4	2	.....	.....	5	6	2	.....	2	..
	.....F.	17	2	4	1	.....	.....	.....	.....	5	2	1	.....	2	..
F	Other land transportation.....M.	17	6	.....	1	1	.....	.....	.....	.....	4	3	.....	2	..
	.....F.	5	3	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	..
G	Water transportation .....M.	3	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	..
H	Air transportation .....M.	5	.....	1	2	.....	.....	.....	.....	2	.....	.....	.....	.....	..

ALSO UNDER THE NUMBERS OF THE INTERNATIONAL LIST ABOVE), 1938.

Nativity					Months												Int. List No.	
Canada	British	Foreign		Not stated	January	February	March	April	May	June	July	August	September	October	November	December		
		United States	Other															
2	....	....	1	....	1	....	1	....	1	....	....	....	....	....	....	....	....	A
7	3	1	5	....	....	....	1	1	2	1	2	1	5	1	....	2	....	B
4	2	1	7	1	1	....	....	1	2	1	1	1	4	1	1	2	....	C
1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
17	5	3	7	....	....	....	1	2	2	3	8	2	4	6	1	3	....	E
11	1	3	2	....	1	1	....	....	2	2	5	1	2	....	3	....	....	....
6	4	1	6	....	....	1	2	2	1	....	....	2	3	4	1	1	....	F
3	....	1	1	....	....	....	....	....	....	....	2	1	1	....	....	....	....	....
3	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	G
5	....	....	....	....	....	....	....	....	2	....	1	....	....	....	2	....	....	H

TABLE 93.—CAUSES OF DEATH BY SEX AND AGE, 1938.

Int. list No.	Causes of death	Total	Ages																			Int. list No.								
			Under 1 yr.	1 yr.	2 yrs.	3 yrs.	4 yrs.	5 yrs.	10 yrs.	15 yrs.	20 yrs.	25 yrs.	30 yrs.	35 yrs.	40 yrs.	45 yrs.	50 yrs.	55 yrs.	60 yrs.	65 yrs.	70 yrs.		75 yrs.	80 yrs.	85 yrs.	90 to 94 yrs.	95 to 99 yrs.	100 yrs. and over	Not stated	
	Deaths—All causes	6,079	941	110	63	43	31	144	99	141	133	114	139	144	182	239	359	411	461	477	557	525	421	229	70	18	5	10		
	M.	3,673	541	63	40	23	14	73	50	84	78	67	75	84	105	152	240	282	307	302	333	321	262	117	40	10	3	7		
	F.	2,406	400	47	23	20	17	71	49	57	55	47	64	60	77	87	119	129	157	175	224	214	159	112	30	8	2	3		
	Class I—Infectious and parasitic diseases	595	77	36	16	12	9	43	17	43	34	36	27	30	30	26	34	28	23	23	21	16	19	5						
	M.	346	40	20	13	7	2	18	8	17	22	20	15	13	16	23	22	20	17	13	9	14	13	4						
	F.	249	37	16	3	5	7	25	9	26	12	16	12	17	14	3	12	8	6	10	7	2	6	1						
1	Typhoid fever	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
2	Paratyphoid fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
6	Smallpox	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
7	Measles	13	5	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
8	Scarlet fever	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
9	Whooping cough	7	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
11	Diphtheria	11	7	3	1	3	2	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
	Influenza	92	18	4	2	1	2	2	1	5	3	1	4	4	4	4	4	4	4	4	4	4	4	4						
	(a) Sole cause	62	15	1	1	1	1	1	1	3	2	1	2	1	5	1	5	6	2	4	6	5	1	1						
	(b) With bronchitis	7	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
	(c) With pneumonia	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
	(d) With other diseases of the respiratory system	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
	(e) With intestinal complications	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
	(f) With other causes	26	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
13	Dysentery	23	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
	M.	7	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
	F.	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
15	Erysipelas	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
	M.	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
	F.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						



































TABLE 94.—TOTAL DEATHS FROM ALL

List No.	Diseases	1929		1930		1931	
		No.	Rate	No.	Rate	No.	Rate
1-2	Typhoid and paratyphoid fever.....	23	2.7	29	3.3	25	2.7
5	Undulant fever.....	.....	.....	.....	.....	.....	.....
6	Smallpox.....	3	0.3	.....	.....	.....	.....
7	Measles.....	28	3.2	8	0.9	17	1.8
8	Scarlet fever.....	13	5.0	10	1.1	15	1.6
9	Whooping cough.....	58	6.7	54	6.1	54	6.6
10	Diphtheria.....	92	10.6	69	7.8	39	4.2
11	Influenza.....	139	50.7	158	17.9	251	27.2
13	Dysentery.....	8	0.9	28	3.1	19	2.1
15	Erysipelas.....	30	3.5	18	2.0	17	1.8
16	Polioeyclitis and polioencephalitis (acute).....	20	2.3	31	2.4	11	1.2
17	Epidemic or lethargic encephalitis.....	15	1.7	5	0.6	5	0.5
18	Epidemic cerebrospinal meningitis.....	29	3.3	25	2.4	13	1.4
19	Glanders.....	.....	.....	.....	.....	.....	.....
22	Tetanus.....	.....	.....	3	0.3	.....	.....
23-32	Tuberculosis.....	377	43.5	407	46.1	326	35.4
34	Syphilis.....	11	1.4	17	1.9	12	1.3
35	Gonococcus and other venereal diseases.....	1	0.1	.....	.....	.....	.....
36	Purulent infection septicaemia (non-puerperal).....	27	3.1	19	2.2	8	0.9
38	Malaria.....	.....	.....	.....	.....	.....	.....
39	Other diseases due to protozoal parasites.....	.....	.....	.....	.....	.....	.....
41	Hydatid cysts.....	.....	.....	.....	.....	.....	.....
43	Mycoses.....	.....	.....	3	0.3	3	0.3
44	Other infectious diseases.....	4	0.5	3	0.3	5	0.5
45-53	Cancer.....	511	59.0	480	54.4	585	63.5
54-55	Non-malignant tumours, nature not specified.....	25	2.9	19	2.2	31	3.4
56	Acute rheumatic fever.....	30	3.5	26	2.9	32	3.5
57	Chronic rheumatism, osteoarthritis.....	7	0.8	3	0.3	10	1.1
59	Diabetes mellitus.....	77	8.9	67	7.6	85	9.2
60	Scurvy.....	.....	.....	.....	.....	.....	.....
61	Beriberi.....	.....	.....	.....	.....	.....	.....
62	Pellagra.....	.....	.....	.....	.....	2	0.2
63	Ricketts.....	15	1.7	12	1.4	8	0.9
64	Osteomalacia.....	.....	.....	.....	.....	1	0.1
65	Diseases of the pituitary glands.....	.....	.....	1	0.1	1	0.1
66	Diseases of the thyroid and parathyroid glands.....	25	2.9	17	1.9	19	2.1
67	Diseases of the thymus.....	16	1.8	7	0.8	5	0.5
68	Diseases of the adrenals (Addison's disease).....	3	0.3	3	0.3	2	0.2
69	Other general diseases.....	11	1.3	13	1.5	4	0.4
70	Haemorrhagic diatheses.....	.....	.....	.....	.....	7	0.8
71	Anaemia.....	33	3.8	32	3.6	31	3.4
72	Leukaemia and atleukemia (Hodgkin's disease).....	16	1.8	25	2.8	17	1.8
73	Diseases of the spleen.....	1	0.1	.....	.....	5	0.5
74	Other diseases of the blood and haematopoietic organs.....	.....	.....	.....	.....	.....	.....
75	Alcoholism.....	14	1.6	15	1.7	8	0.9
76	Chronic poisoning by other organic substances.....	1	0.1	.....	.....	1	0.1
77	Chronic poisoning by mineral substances.....	1	0.1	1	0.1	.....	.....
78	Encephalitis (non-epidemic).....	15	1.7	11	1.2	3	0.3
79	Simple meningitis.....	28	3.2	15	1.7	15	1.6
80	Progressive locomotor ataxia.....	2	0.2	2	0.2	3	0.3
81	Other diseases of the spinal cord.....	22	2.5	16	1.8	13	1.4
82	Cerebral haemorrhage, embolism or thrombosis.....	170	19.6	157	17.8	142	15.4
83	General paralysis of the insane.....	7	0.8	3	0.3	8	0.9
84	Dementia praecox and other psychoses.....	23	2.7	30	3.4	26	2.8
85	Epilepsy.....	21	2.4	23	2.6	33	3.6
86	Convulsions (under 5 years).....	61	7.0	52	5.9	48	5.2
87	Other diseases of the nervous system.....	35	4.0	30	3.4	24	2.6
88	Diseases of the organs of vision.....	1	0.1	1	0.1	1	0.1
89	Diseases of the ear and mastoid process.....	17	2.1	20	2.3	12	1.3
90-95	Diseases of the heart.....	638	73.6	651	73.8	656	80.3
96-97-	.....	.....	.....	.....	.....	.....	.....
99-102	Diseases of the arteries.....	233	.....	259	.....	246	.....
98	Gangrene.....	6	.....	8	.....	12	.....
100	Diseases of the veins.....	5	0.6	3	0.3	5	0.5
101	Diseases of the lymphatic system.....	3	0.3	1	0.1	2	0.2
103	Other diseases of the circulatory system.....	.....	.....	2	0.2	4	0.4
104	Diseases of the nasal fossae and annexa.....	3	0.5	6	0.7	6	0.7
105	Diseases of the larynx.....	13	1.5	9	1.0	4	0.4
106	Bronchitis.....	27	3.1	32	3.6	44	4.8
107	Bronchopneumonia.....	232	26.8	179	20.4	238	25.8
108	Lobar pneumonia.....	.....	.....	.....	.....	166	18.0
109	Pneumonia not specified.....	340	39.2	264	29.9	94	10.2
110	Pleurisy.....	27	3.1	19	2.2	16	1.7
111	Congestion and haemorrhagic infarct of the lung, etc.....	13	1.5	9	1.0	17	1.8
112	Asthma.....	22	2.5	17	1.9	14	1.5
113	Pulmonary emphysema.....	2	0.2	.....	.....	4	0.4
114	Other diseases of the respiratory system.....	14	1.6	15	1.7	11	1.2
115	Diseases of the buccal cavity and annexa and of the pharynx and tonsils (including adenoid vegetations).....	56	6.5	26	2.9	40	4.3
116	Diseases of the oesophagus.....	.....	.....	1	0.1	.....	.....
117	Ulcer of the stomach or duodenum.....	36	4.2	34	3.8	45	4.9

## CAUSES AND RATES PER 100,000, 1929-1938.

1932		1933		1934		1935		1936		1937		1938		List No.
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
24	2.6	19	2.0	24	2.6	14	1.5	23	2.5	36	3.8	8	0.9	1-2
.....	.....	.....	.....	2	0.2	3	0.3	1	0.1	1	0.1	.....	.....	5
1	0.1	1	0.1	.....	.....	2	0.2	.....	.....	.....	.....	2	0.2	6
17	1.8	5	0.5	16	1.7	34	3.7	39	4.2	252	26.8	19	2.0	7
6	0.6	12	1.3	5	0.5	10	1.1	16	1.7	16	1.7	12	1.3	8
40	4.3	34	3.6	68	7.3	90	9.7	50	5.4	47	5.0	18	1.9	9
40	4.3	18	1.9	22	2.4	16	1.7	11	1.2	10	1.1	28	3.0	10
261	28.0	318	34.1	145	15.6	168	18.0	282	30.3	494	43.0	154	16.4	11
21	2.2	12	1.3	13	1.4	10	1.1	36	3.9	27	2.9	11	1.2	13
15	1.6	9	1.0	19	2.0	15	1.6	31	3.7	13	1.4	6	0.6	15
6	0.6	8	0.9	10	1.1	5	0.5	9	1.0	22	2.3	7	0.7	16
10	1.1	4	0.4	4	0.4	6	0.6	11	1.2	7	0.7	5	0.5	17
12	1.3	7	0.8	10	1.1	10	1.1	12	1.3	6	0.6	3	0.3	18
2	0.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
2	0.2	1	0.1	1	0.1	2	0.2	2	0.2	4	0.4	3	0.3	22
281	30.1	297	31.9	293	31.4	272	29.2	279	30.0	303	32.3	271	28.8	23-32
17	1.8	10	1.1	18	1.9	17	1.8	29	3.1	34	3.6	22	2.3	34
1	0.1	1	0.1	.....	.....	1	0.1	.....	.....	1	0.1	2	0.2	35
19	2.0	14	1.5	13	1.4	10	1.1	15	1.6	14	1.5	11	1.2	36
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	0.1	39
.....	.....	.....	.....	1	0.1	.....	.....	.....	.....	1	0.1	.....	.....	41
.....	.....	2	0.2	.....	.....	.....	.....	.....	.....	1	0.1	1	0.1	42
2	0.2	1	0.1	.....	.....	2	0.2	4	0.4	2	0.2	3	0.3	43
6	0.6	3	0.3	2	0.2	8	0.9	5	0.5	4	0.4	8	0.9	44
568	60.9	593	63.6	636	68.2	631	67.8	710	76.3	689	73.4	641	68.1	45-53
33	3.5	38	4.1	39	4.2	44	4.7	54	5.8	68	7.2	47	5.0	54-55
20	2.1	26	2.8	16	1.7	13	1.4	32	3.4	30	3.2	34	3.6	56
17	1.8	7	0.8	14	1.5	16	1.7	8	0.9	8	0.9	9	1.0	57
94	10.4	81	8.7	75	8.0	84	9.0	91	9.8	81	8.6	84	8.9	59
1	0.1	.....	.....	1	0.1	.....	.....	2	0.2	1	0.1	1	0.1	60
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	0.1	.....	.....	61
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	62
6	0.6	6	0.6	2	0.2	4	0.4	10	1.1	7	0.7	8	0.9	63
.....	.....	1	0.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	64
1	0.1	2	0.2	2	0.2	.....	.....	1	0.1	1	0.1	.....	.....	65
25	2.7	22	2.4	26	2.8	23	2.5	33	3.5	31	3.3	19	2.0	66
10	1.1	8	0.9	8	0.9	14	1.5	12	1.3	8	0.9	7	0.7	67
2	0.2	2	0.2	5	0.5	3	0.3	1	0.1	2	0.2	1	0.1	68
8	0.9	10	1.1	10	1.1	9	1.0	10	1.1	13	1.4	7	0.7	69
2	0.2	6	0.6	5	0.5	4	0.4	7	0.8	6	0.6	5	0.5	70
32	3.4	32	3.4	26	2.8	33	3.5	40	4.3	32	3.4	33	3.5	71
26	2.8	22	2.4	29	3.1	35	3.7	32	3.4	24	2.6	38	4.0	72
.....	.....	.....	.....	1	0.1	3	0.3	2	0.2	1	0.1	5	0.5	73
.....	.....	1	0.1	1	0.1	.....	.....	.....	.....	3	0.3	2	0.2	74
3	0.3	3	0.3	7	0.8	3	0.3	2	0.2	7	0.7	10	1.1	75
.....	.....	.....	.....	2	0.2	1	0.1	.....	.....	3	0.3	1	0.1	76
.....	.....	.....	.....	.....	.....	1	0.1	.....	.....	.....	.....	.....	.....	77
6	0.6	16	1.7	12	1.3	10	1.1	14	1.5	15	1.6	8	0.9	78
14	1.5	11	1.2	20	2.1	14	1.5	20	2.1	13	1.4	13	1.4	79
2	0.2	2	0.2	4	0.4	1	0.1	1	0.1	.....	.....	1	0.1	80
13	1.4	23	2.5	17	1.8	13	1.4	11	1.2	22	2.3	13	1.4	81
157	16.8	170	18.2	157	16.8	136	14.6	103	11.1	91	9.7	114	12.1	82
7	0.8	6	0.6	16	1.7	8	0.9	9	1.0	11	1.2	14	1.5	83
27	2.9	39	4.2	52	5.6	43	4.6	26	2.8	29	3.1	23	2.4	84
24	2.6	29	3.1	30	3.2	24	2.6	19	2.0	11	1.2	24	2.6	85
44	4.7	46	4.3	36	3.9	38	4.1	21	2.3	19	2.0	14	1.5	86
25	2.7	26	2.8	27	2.9	25	2.7	36	3.9	37	3.9	25	2.7	87
1	0.1	1	0.1	.....	.....	1	0.1	2	0.2	2	0.2	1	0.1	88
25	2.7	12	1.3	22	2.4	23	2.5	20	2.1	28	3.0	16	1.7	89
718	77.0	771	82.7	815	87.4	859	92.3	877	94.2	879	93.6	991	105.3	90-95
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	96, 97
242	.....	259	27.8	290	31.1	326	35.0	386	41.5	438	46.6	507	53.9	99-102
5	.....	12	1.3	4	0.4	4	0.4	11	1.2	15	1.6	13	1.4	98
4	0.4	3	0.3	8	0.9	2	0.2	9	1.0	12	1.3	13	1.4	100
2	0.2	3	0.3	.....	.....	9	1.0	3	0.3	4	0.4	2	0.2	101
3	0.3	1	0.1	3	0.3	1	0.1	2	0.2	.....	.....	1	0.1	103
4	0.4	6	0.6	6	0.6	6	0.6	9	1.0	9	1.0	9	1.0	104
9	1.0	8	0.9	10	1.1	4	0.4	11	1.2	7	0.7	5	0.5	105
45	4.9	31	3.3	27	2.9	24	2.6	33	3.5	30	3.2	31	3.3	105
170	18.2	209	22.4	157	16.8	204	21.9	177	19.0	259	27.6	160	17.0	107
142	15.2	127	13.6	172	18.5	217	23.3	188	20.2	217	23.1	205	21.8	108
68	7.3	72	7.7	63	6.8	110	11.8	75	8.1	91	9.7	64	6.8	109
21	2.2	12	1.3	13	1.4	16	1.7	15	1.6	9	1.0	8	0.9	110
13	1.4	16	1.7	17	1.8	18	1.9	17	1.8	13	1.4	15	1.6	111
16	1.7	30	3.2	49	5.3	22	2.4	33	3.5	37	3.9	31	3.3	112
2	0.2	.....	.....	1	0.1	1	0.1	1	0.1	2	0.2	2	0.2	113
8	0.9	13	1.4	5	0.5	15	1.6	10	1.1	12	1.3	11	1.2	114
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	2.8	39	4.2	29	3.1	30	3.2	47	5.0	46	4.9	38	4.0	115
.....	.....	2	0.2	1	0.1	.....	.....	1	0.1	2	0.2	2	0.2	116
51	5.5	53	5.7	41	4.4	65	7.0	48	5.2	62	6.6	66	7.0	117

TABLE 94.—TOTAL DEATHS FROM ALL CAUSES

List No.	Diseases	1929		1930		1931	
		No.	Rate	No.	Rate	No.	Rate
118	Other diseases of the stomach.....	49	5.7	43	4.9	31	3.4
119	*Diarrhœa and enteritis (under 2 years of age).....	192	22.2	352	39.9	197	21.4
120	Diarrhœa and enteritis and ulceration of the intestines (2 years and over).....	.....	.....	.....	.....	35	3.8
121	Appendicitis.....	170	19.7	159	18.0	131	14.2
122	Hernia, intestinal obstruction.....	62	7.2	75	8.1	78	8.5
123	Other diseases of the intestines.....	17	2.0	10	1.2	3	0.3
124	Cirrhosis of the liver.....	8	0.9	16	1.8	18	2.0
125	Other diseases of the liver.....	37	4.3	35	4.0	6	0.7
126	Biliary calculi.....	27	3.1	12	1.4	19	2.1
127	Other diseases of the gall-bladder and biliary passages.....	.....	.....	.....	.....	35	3.8
128	Diseases of the pancreas.....	3	0.3	4	0.4	.....	.....
129	Peritonitis (cause not specified).....	21	2.4	9	1.0	11	1.2
130	Acute nephritis.....	22	2.5	24	2.7	15	1.6
131	Chronic nephritis.....	195	22.5	253	28.7	207	22.4
132	Nephritis, not specified.....	.....	.....	.....	.....	22	2.4
133	Other diseases of the kidneys and annexa.....	22	2.5	12	1.3	23	2.5
134	Calculi of urinary passages.....	3	0.3	6	0.6	6	0.7
135	Diseases of the bladder (excluding tumours).....	9	1.0	3	0.3	3	0.3
136	Diseases of the urethra, urinary abscess, etc.....	.....	.....	3	0.3	2	0.2
137	Diseases of the prostate.....	42	5.0	38	4.3	44	4.8
138	Diseases of the male genital organs (not specified as venereal).....	2	0.2	.....	.....	1	0.1
139	Diseases of the female genital organs (not specified as venereal).....	17	2.0	10	1.1	14	1.5
140-150	Pregnancy, labour and puerperal state.....	132	15.2	112	12.7	93	10.1
151	Carbuncle.....	5	0.6	1	0.1	3	0.3
152	Cellulitis, acute abscess.....	10	1.2	8	0.9	6	0.7
153	Other diseases of the skin and annexa and of the cellular tissue.....	23	2.7	8	0.9	3	0.3
154-156	Diseases of the bones and organs of locomotion.....	11	1.3	17	1.9	21	2.3
157	Congenital malformations.....	136	15.7	135	15.3	120	13.0
158	Congenital debility.....	146	15.8	152	17.2	98	10.6
159	Premature birth.....	475	54.8	497	56.5	376	40.8
160	Injury at birth.....	.....	.....	.....	.....	72	7.8
161	Other diseases peculiar to infancy.....	78	9.0	88	10.0	101	11.0
162	Senility.....	120	13.8	124	14.0	136	14.8
163-171	Suicides.....	95	11.0	127	14.4	76	8.2
172-175	Homicides.....	18	2.1	14	1.6	12	1.3
176	Attacks by venomous animals.....	.....	.....	.....	.....	.....	.....
177	Food poisoning.....	3	0.3	2	0.2	1	0.1
178	Accidental absorption of toxic gases.....	9	1.0	9	1.0	9	0.9
179	Other acute accidental poisonings (except by gas).....	9	1.0	11	1.2	14	1.5
180	Results of conflagration.....	16	1.8	18	2.0	12	1.3
181	Accidental burns (conflagration excepted).....	32	3.7	28	3.2	22	2.4
182	Accidental mechanical suffocation.....	13	1.5	8	0.9	20	2.2
183	Accidental drownings.....	53	6.1	57	6.5	62	6.7
184	Accidental injury by firearms.....	21	2.4	17	1.9	18	2.0
185	Accidental injury by cutting or piercing instruments.....	4	0.5	.....	.....	6	0.7
186	Accidental injuries from falling, crushing, landslide.....	183	.....	168	.....	139	15.1
187	Cataclysm.....	.....	.....	.....	.....	1	0.1
188	Injuries inflicted by animals.....	21	2.4	20	2.3	28	3.0
189	Hunger and thirst.....	.....	.....	4	0.4	1	0.1
190	Excessive cold.....	4	0.5	9	1.0	5	0.5
191	Excessive heat.....	7	0.8	4	0.4	11	1.2
192	Lightning.....	4	0.5	4	0.4	1	0.1
193	Accidental electric shocks.....	2	0.2	8	0.9	.....	.....
194	Other accidents.....	16	1.8	27	3.1	11	1.2
195	Violent deaths—nature unknown.....	1	0.1	.....	.....	.....	.....
198	Capital punishment.....	.....	.....	.....	.....	1	0.1
199	Sudden death.....	4	0.5	.....	.....	25	2.7
200	Causes of death not specified or ill-defined.....	82	9.5	37	4.2	35	3.8
*SPECIAL CLASSES OF ACCIDENTAL DEATHS							
A	Accidents in mines and quarries.....	.....	.....	.....	.....	.....	.....
B	Accidents caused by machines.....	.....	.....	.....	.....	15	1.6
C	Railway accidents.....	.....	.....	.....	.....	21	2.3
D	Street car accidents.....	.....	.....	.....	.....	2	0.2
E	Automobile and motorcycle accidents.....	.....	.....	.....	.....	50	5.4
F	Other land transportation.....	.....	.....	.....	.....	24	2.6
G	Water transportation.....	.....	.....	.....	.....	2	0.2
H	Air transportation.....	.....	.....	.....	.....	2	0.2

\*Not separately tabulated previous to 1931.

## AND RATES PER 100,000, 1929-1938—Continued

1932		1933		1934		1935		1936		1937		1938		List No.
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
41	4.4	40	4.3	19	2.0	22	2.4	26	2.8	23	2.4	21	2.2	118
191	20.5	105	11.3	99	10.6	82	8.8	123	13.2	156	16.6	129	13.7	119
38	4.1	29	3.1	30	3.2	25	2.7	32	3.4	47	5.0	42	4.5	120
145	15.5	167	17.9	157	17.1	162	17.4	161	17.3	147	15.7	113	12.0	121
82	8.8	72	7.7	82	8.8	87	9.3	77	8.3	90	9.6	87	9.2	122
13	1.4	8	0.9	7	0.8	14	1.5	5	0.5	8	0.9	7	0.7	123
12	1.3	13	1.4	6	0.6	22	2.4	22	2.4	19	2.0	22	2.3	124
13	1.4	8	0.9	2	0.2	8	0.9	6	0.6	4	0.4	10	1.1	125
23	2.5	25	2.7	30	3.2	30	3.2	38	4.1	37	3.9	41	4.4	126
35	3.8	28	3.0	26	2.8	43	4.6	31	3.3	39	4.2	35	3.7	127
3	0.3	5	0.5	7	0.8	4	0.4	5	0.5	2	0.2	2	0.2	128
12	1.3	10	1.1	17	1.8	8	0.9	6	0.6	7	0.7	12	1.3	129
10	1.1	20	2.1	19	2.0	19	2.0	19	2.0	18	1.9	15	1.6	130
228	24.4	214	23.0	230	24.7	224	24.1	202	21.7	226	24.1	224	23.8	131
30	3.2	23	2.5	28	3.0	25	2.7	25	2.7	24	2.6	30	3.2	132
20	2.1	16	1.7	19	2.0	19	2.0	14	1.5	24	2.6	24	2.6	133
3	0.3	5	0.5	7	0.8	2	0.2	12	1.3	15	1.6	9	1.0	134
8	0.9	5	0.5	6	0.6	6	0.6	11	1.2	5	0.5	11	1.2	135
2	0.2	2	0.2	3	0.3	1	0.1	2	0.2	.....	.....	3	0.3	136
69	6.4	48	5.2	57	6.1	73	7.8	67	7.2	82	8.7	81	8.6	137
.....	.....	2	0.2	2	0.2	4	0.4	3	0.3	3	0.3	2	0.2	138
7	0.8	12	1.3	9	1.0	13	1.4	16	1.7	13	1.4	12	1.3	139
102	10.9	92	9.9	86	9.2	80	8.6	86	9.2	86	9.2	46	4.9	140-150
3	0.3	4	0.4	2	0.2	2	0.2	2	0.2	3	0.3	3	0.3	151
5	0.5	8	0.9	9	1.0	10	1.1	8	0.9	16	1.7	13	1.4	152
7	0.8	4	0.4	12	1.3	5	0.5	5	0.5	5	0.5	8	0.9	153
17	1.8	15	1.6	13	1.4	10	1.1	12	1.3	25	2.7	19	2.0	154-156
112	12.0	103	11.1	95	10.2	104	11.2	89	9.6	114	12.1	89	9.5	157
104	11.1	96	10.3	88	9.4	83	8.9	53	5.7	63	6.7	44	4.7	158
382	40.9	314	33.7	286	30.7	288	30.9	275	29.5	270	28.8	248	26.4	159
71	7.6	72	7.7	76	8.2	71	7.6	48	5.2	59	6.3	75	8.0	160
101	10.8	100	10.7	96	10.3	73	7.8	76	8.2	61	6.5	65	6.9	161
150	16.1	149	16.0	129	13.8	129	13.9	123	13.2	116	12.4	112	11.9	162
74	7.9	93	10.0	105	11.3	99	10.6	88	9.5	87	9.3	78	8.3	163-171
1	0.8	14	1.5	11	1.2	16	1.7	13	1.4	9	1.0	14	1.5	173-175
.....	.....	2	0.2	.....	.....	2	0.2	.....	.....	.....	.....	.....	.....	176
4	0.4	.....	.....	3	0.3	1	0.1	.....	.....	3	0.3	1	0.1	177
7	0.8	9	1.0	5	0.5	10	1.1	8	0.9	6	0.6	7	0.7	178
10	1.1	11	1.2	15	1.6	10	1.1	11	1.2	4	0.4	11	1.2	179
8	0.9	21	2.3	17	1.8	16	1.7	11	1.2	8	0.9	11	1.2	180
23	2.5	28	3.0	32	3.4	30	3.2	31	3.3	38	4.0	24	2.6	181
14	1.5	19	2.0	10	1.1	15	1.6	13	1.4	22	2.3	15	1.6	182
52	5.6	59	6.3	41	4.4	37	4.0	46	4.9	34	3.6	33	3.5	183
17	1.8	12	1.3	15	1.6	14	1.5	10	1.1	18	1.9	11	1.2	184
11	1.2	12	1.3	7	0.8	8	0.9	6	0.6	9	1.0	5	0.5	185
123	13.2	140	15.0	123	13.2	122	13.1	164	17.6	165	17.6	147	15.6	186
.....	.....	.....	.....	.....	.....	3	0.3	.....	.....	.....	.....	.....	.....	187
19	2.0	16	1.7	13	1.4	18	1.9	24	2.6	16	1.7	10	1.1	188
5	0.5	2	0.2	.....	.....	.....	.....	2	0.2	.....	.....	.....	.....	189
7	0.8	6	0.6	10	1.1	15	1.6	6	0.6	8	0.9	8	0.9	190
5	0.5	2	0.2	2	0.2	5	0.5	13	1.4	1	0.1	5	0.5	191
2	0.2	5	0.5	5	0.5	2	0.2	4	0.4	.....	.....	2	0.2	192
4	0.4	.....	.....	.....	.....	3	0.3	.....	.....	1	0.1	2	0.2	193
11	1.2	8	0.9	8	0.9	15	1.6	11	1.2	19	2.0	17	1.8	194
3	0.3	.....	.....	3	0.3	3	0.3	2	0.2	3	0.3	2	0.2	195
1	0.1	.....	.....	3	0.3	.....	.....	.....	.....	.....	.....	.....	.....	198
27	2.9	25	2.7	34	3.6	23	2.5	11	1.2	16	1.7	16	1.7	199
42	4.5	48	5.2	31	3.3	26	2.8	20	2.1	10	1.1	19	2.0	200
3	0.3	5	0.5	3	0.3	2	0.2	2	0.2	1	0.1	3	0.3	A
21	2.2	29	3.1	16	1.7	20	2.1	26	2.8	19	2.0	16	1.7	B
23	2.5	15	1.6	16	1.7	17	1.8	22	2.4	28	3.0	16	1.7	C
.....	.....	.....	.....	.....	.....	.....	.....	1	0.1	.....	.....	.....	.....	D
35	3.8	32	3.4	30	3.2	40	4.3	47	5.0	47	5.0	49	5.2	E
41	4.4	23	2.5	29	3.1	18	1.9	33	3.5	20	2.1	22	2.3	F
13	1.4	3	0.3	4	0.4	3	0.3	8	0.9	5	0.5	3	0.3	G
1	0.1	3	0.3	1	0.1	3	0.3	1	0.1	6	0.6	5	0.5	H



TABLE 95.—BIRTHS, DEATHS AND INFANT MORTALITY OF INDIANS (exclusive of Stillbirths) BY MONTHS, 1938.

	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Births .....	755	62	78	64	83	64	65	77	59	56	58	45	44
Deaths .....	361	34	33	38	27	32	38	24	22	28	36	29	20
Infant mortality	137	13	9	16	11	11	16	8	5	16	16	9	7

TABLE 96.—BIRTHS OF INDIANS (exclusive of Stillbirths) CLASSIFIED AS LEGITIMATE OR ILLEGITIMATE, 1938.

	Total births			Legitimate			Illegitimate		
	Total	M.	F.	Total	M.	F.	Total	M.	F.
Total for the province	755	388	367	682	344	338	73	44	29

TABLE 97.—BIRTHS OF INDIANS (exclusive of Stillbirths) CLASSIFIED ACCORDING TO AGES OF PARENTS, 1938.

Age of father	Total	Age of mother					
		Under 20	20-29	30-39	40-49	50 and over	Not stated
Under 20 years .....	6	4	2	..	..	..	..
20-29 years .....	276	53	204	17	2	..	..
30-39 years .....	240	9	121	104	6	..	..
40-49 years .....	120	..	18	72	30	..	..
50 years and over .....	38	1	7	22	7	1	..
Not stated .....	2	..	1	..	..	..	1
Children born to married mothers .....	682	67	353	215	45	1	1
Children born to unmarried mothers .....	73	14	37	18	3	..	1
Children born .....	755	81	390	233	48	1	2

TABLE 98.—DEATHS OF INDIANS (exclusive of Stillbirths) BY AGE GROUPS, 1938.

	Total	Male	Female		Total	Male	Female
All ages .....	361	184	177	50-54 years .....	10	6	4
Under 1 year .....	137	67	70	55-59 years .....	11	6	5
1-4 years .....	49	26	23	60-64 years .....	7	4	3
5-9 years .....	24	10	14	65-69 years .....	13	11	2
10-14 years .....	7	4	3	70-74 years .....	7	3	4
15-19 years .....	20	9	11	75-79 years .....	8	5	3
20-24 years .....	7	3	4	80-84 years .....	9	5	4
25-29 years .....	13	6	7	85-89 years .....	5	2	3
30-34 years .....	13	6	7	90-94 years .....	3	1	2
35-39 years .....	5	3	2	95-99 years .....	2	1	1
40-44 years .....	6	3	3	100 years and over .....	2	1	1
45-49 years .....	2	2	..	Not stated .....	1	..	1





TABLE 101.—DEATHS OF INDIAN CHILDREN UNDER ONE YEAR (exclusive of Stillbirths) BY AGE AT DEATH, 1938.

Age	No.	Age	No.
All infants	Total 137	3 months and under	Total 5
	M. 67	4 months	M. 4
	F. 70		F. 1
Under 1 day	Total 9	4 months and under	Total 12
	M. 4	5 months	M. 9
	F. 5		F. 3
1 day and under 1 week	Total 27	5 months and under	Total 10
	M. 14	6 months	M. 4
	F. 13		F. 6
1 week and under 2 weeks	Total 8	6 months and under	Total 10
	M. 3	7 months	M. 5
	F. 5		F. 5
2 weeks and under 3 weeks	Total 3	7 months and under	Total 4
	M. 2	8 months	M. 1
	F. 1		F. 3
3 weeks and under 1 month	Total 3	8 months and under	Total 5
	M. 2	9 months	M. 3
	F. 1		F. 2
1 month and under 2 months	Total 12	9 months and under	Total 2
	M. 4	10 months	M. .
	F. 8		F. 2
2 months and under 3 months	Total 19	10 months and under	Total 2
	M. 9	11 months	M. .
	F. 10		F. 2
		11 months and under	Total 6
		12 months	M. 3
			F. 3

TABLE 102.—DEATHS OF INDIAN CHILDREN (exclusive of Stillbirths) FROM CERTAIN SPECIFIED CAUSES IN FIRST YEAR OF LIFE FOR EACH SEX, 1938.

Int. List No.	Causes of death	Total	M.	F.
	All causes .....	137	67	70
7	Measles .....	3	2	1
9	Whooping cough .....	1	..	1
11	Influenza .....	10	5	5
23	Tuberculosis of the respiratory system .....	8	3	5
24	Tuberculosis of the meninges and central nervous system .....	2	1	1
25-32	Tuberculosis, other forms .....	1	1	..
67	Diseases of the thymus gland .....	1	1	..
86	Convulsions .....	3	1	2
106	Bronchitis .....	3	2	1
107	Bronchopneumonia .....	11	7	4
108, 109	Pneumonia .....	16	6	10
116-118	Diseases of the stomach .....	4	2	2
119	Diarrhœa and enteritis .....	15	6	9
157	Malformations .....	3	3	..
	(c) Congenital malformations of the heart .....	3	3	..
158	Congenital debility .....	19	7	12
159	Premature birth .....	14	7	7
160	Injury at birth .....	3	1	2
161	Other diseases peculiar to early infancy (under 3 months) .....	9	6	3
	(a-e) Specified diseases .....	7	4	3
	(f) No cause given, no doctor in attendance .....	2	2	..
176-198	Other external causes .....	1	1	..
	Other specified causes .....	9	4	5
199, 200	Unspecified or ill-defined causes .....	1	1	..

TABLE 103.—SEARCHES, CERTIFICATES AND CORRESPONDENCE, 1938.

Application for searches and certificates received .....	10,596
Number of searches made .....	11,551
Birth certificates issued .....	8,779
Marriage certificates issued .....	578
Death certificates issued .....	1,444
Divorce certificates issued .....	38
Total number of certificates issued .....	10,839
Searches for Bureau of Child Protection .....	185
Certificates for Bureau of Child Protection .....	47
Searches for legal purposes .....	527
Certificates for legal purposes .....	130
Searches for mothers' allowances .....	965
Certificates for mothers' allowances .....	35
Searches for old age pensions .....	542
Certificates for old age pensions .....	450
Searches for military pensions .....	337
Certificates for military pensions .....	322
Marriage licenses issued .....	4,420
Letters received .....	42,206
Letters written .....	43,299

