CITY OF CALGARY

DEPARTMENT OF PUBLIC HEALTH

Annual Report for the Year 1948

LOCAL BOARD OF HEALTH OF THE CITY OF CALGARY
His Worship Mayor J. C. WATSON, *Chairman,*
and All Members of the City Council.

Medical Officer of Health—W. H. HILL, B.A., M.D., C.M., D.P.H.

CONTENTS

150 May 1949

His Worship The Mayor, Commissioner and
Members of The City Council, constituting
The Local Board of Health of The City of Calgary.

Alderman Mrs. Wilkinson and Gentlemen:

I beg to submit a report of the activities of the City Health Department for the year 1948.

VITAL STATISTICS

The expression of rates in the different tables setting forth statistical comparisons for the information of Council, are based on the figure determined by the Dominion Government Census of 1946. The population of the City as given at that time was 100,044.

It is thought, and has been so stated, that the figure determined by the Dominion Government Census is something short of the actual population, which, according to the City Clerk's Department, is conservatively estimated at 106,000. Even this is considered by this department as being low, and it would be most interesting to see the result of a census taken at the present time, eliminating all possible sources of error, which no doubt are many. From all indices it certainly appears that the true figure is in the neighborhood of 115,000. However, all the tabulations in this report are made on the basis of the population given by the Dominion Government Census.

The net rates as shown throughout the report have to do with the citizenry and therefore are of first interest to Council.

MARRIAGES

The number of marriages performed during the year was 1868, or a rate of 18.6 per thousand population. In number, and therefore rate, the report for 1948 shows a slight increase over the figure reported for 1947. It was pointed out in the last report that the trend in the number of marriages would be downwards, until the level of the early 40's was reached, and whilst an increase in number of 86 is reported, the marriage rate as shown is only slightly higher than that of 1939.

BIRTHS

The number of births registered during the year was 3835, which figure includes 879 to non-resident mothers. It was pointed out in the report for 1947 that the number of births and the corresponding rate for that year, constituted an all time high for the City of Calgary. The gross figure for 1947 was 4056 and the birth rate 40.5.

It will be observed that the current reporting shows a decrease in the number of births as compared with 1947 of 221. The birth rate for this year showing at 38.3 per thousand population. The net, or City births, numbered 2956 with a rate of 29.5 per thousand population, as compared with 3049 and a corresponding rate of 30.47 for the year 1947.

As with the number of marriages, so the number of births reflect the economic state of the community, and signal something of stability, plentiful employment, and satisfactory working conditions. It has been stated that birth rates are low the world over, with the exception, in so far as we can learn, of Soviet Russia, and, quite in spite of the one school of thought that contends that birth rates are high enough, having in mind the ability of the world to produce and keep on producing enough to support its inhabitants, it would seem, [illegible] - regarding history over the past thirty years - that available manpower must be considered an outstanding criterion in the determination of national strength.

The comparison between the net number of births in the current report and the year 1947, shows a decrease in 1948 of 93 births, and this reflects what will no doubt be the trend for the next few years, until we reach again the number of births proportionate with the population that experience has shown to be relatively normal figures for this community.

The gross number of births - 3835 - includes 275 illegitimate. This figure represents approximately 7.2% of the gross total. Of these latter births, 133 were to City and 142 to non-resident mothers. There were three sets of twins.

An analysis of the table in this regard gives much for thoughtful speculation, and although the number of illegitimate births is 25 less than in 1947, no thought of improvement can be entertained in so far as this social problem goes. Reports from other centres show an increase over the figures of the previous year.

ILLEGITIMATE BIRTHS 1948

	City	Out of town	15	16	17	18	19	20 24	25 30	31 & over	1st child	2nd & over	Previous marriage	Total
Jan	8	15	-	2	4	5	4	5	3	-	21	2	2	23
Feb	11	10	-	1	-	4	3	5	3	5	17	4	1	21
March	8	14	1	1	-	2	7	6	4	1	16	4	2	22
April	11	10	-	3	2	4	1	8	1	2	17	4	2	21
May	12	12	-	-	2	3	3	8	5	3	22	2	2	24
June	14	5	-	1	-	2	1	5	7	3	11	8	6	19
July	12	20	1	1	1	3	2	16	4	4	23	9	5	32
August	10	23	1	-	-	2	1	15	9	5	22	11	7	33
Sept	14	6	-	-	-	1	1	5	10	3	19	1	2	20
Oct	13	14	-	-	2	4	5	9	5	2	20	7	1	27
Nov	11	3	-	-	1	2	1	6	3	1	11	5	3	14
Dec	9	10	-	-	-	2	2	10	4	1	14	5	1	19
Totals	133	142	3	9	12	34	31	98	58	30	213	62	34	275

Total births 3835 Illegitimate 275 or 7.2%

STILLBIRTHS

The gross number of stillbirths registered throughout the year was 77 of which 54 applied to the City directly. The net stillbirth rate is shown as 0.54 per thousand population as compared with 0.62 for 1947. It will be observed that there was a decrease of eight as compared with 1947, affecting the rate to what might be considered an insignificant degree. The rate admittedly is low, but the problem presented, reflecting as it does on both the birth rate and the infant mortality rate, should be of very grave communal concern. Theoretically there is no justification for stillbirths, but as it ever seems we will have to deal with facts, the situation constitutes at once a challenge to remedy, and a stimulus to explore the complexities that collectively give rise to the problem with a view to effecting the remedy.

DEATHS

The net number of deaths occurring during the year 1948 was 1028 representing an actual City death rate of 10.3 per thousand population. Both in number and therefore rate these figures are the highest in the past five years, during which time the rate has gradually increased.

In comparison with the reporting for 1947 the increase was 62 in number and 0.65 in rate, and it is interesting to observe that the sum total of the increase is accounted for under the causes "Heart Disease" and "Violent and Accidental Deaths". It is impossible to differentiate between those who resided in the city before death and those who did not, and in analysis of the tables of cause, further remarks in connection with deaths and death rates will of necessity apply to the gross figures only.

The gross number of deaths was 1294 and the death rate per thousand population 12.9.

The first six causes of death were as follows:

Diseases of the heart, arteries, kidneys, and including apoplexy	535
Cancer - all forms (Malignant)	194
Violent and accidental deaths	71
Pneumonia	33
Diabetes	10
Tuberculosis - all forms	8
	851
All other causes	443
	1294

The number of deaths from the above six causes represents 65.8% of the gross total.

Diseases of the Heart, Arteries, Kidneys, and including Apoplexy.

The number of deaths under this heading shows an increase of 43 when compared with 1947, when the number of deaths was 492.

In previous reports considerable analysis has been taken in regard to the number of deaths under this classification, in an effort to point to what may be considered in any measures designed towards control. As is well known, the number of deaths from these closely related conditions occupies the primary place in death lists from any source, in fact it can be said that one death in two is listed under this particular heading.

Cancer - all forms (Malignancy)

Deaths from cancer numbered 194 in 1948 as compared with 206 in 1947, a decrease of 12. It is not thought that much in the way of significance can be attached to this transient decrease in the number of deaths locally from cancer. The one cardinal discovery to be made is the "Inciting Cause", and it is not until the answer is given to this that anything approaching control is likely. Tables of cause show that one death in five is due to cancer.

Violent and Accidental Deaths.

Seventy-one deaths occurred under this heading throughout the year, as compared with 53 during 1947, and 41 in 1946.

It does not appear to be fully realized that deaths from this cause place third in the death lists, and why this is so is beyond understanding.

Here is something that truly lends itself to prevention, and yet 6% of the gross total of deaths in the City of Calgary die violently, and, what is more of a tragedy - accidentally.

There is no disguising the fact that when one takes to the highway, they literally carry their life in their hands, and what is to be done is most certainly a question that has not been answered so far. Eighteen more deaths from this cause were reported in 1948 than occurred in 1947.

Pneumonia.

The number of deaths from pneumonia reported during 1948 was 33 as compared with 37 for the year 1947, a decrease of 4.

Deaths from pneumonia have markedly lessened in number over the last few years, due to advances made in the line of treatment. The last several reports, it is thought, have dealt reasonably fully with the situation respecting pneumonia and nothing further is to be added at the present time.

Diabetes.

Ten deaths from diabetes occurred during the year, the same number as reported in 1947. It is to be noted that these deaths took place at an age above the three score, and there is no doubt that the disease itself was aggravated by possible senile changes. Morbidity rates would seem to point to the fact that diabetes is increasing in its incidence.

Tuberculosis.

Nineteen deaths occurred from tuberculosis as compared with 22 for the year 1947. This includes deaths of Calgary residents in outside sanatoria.

Some years ago this disease ranked high amongst the chief causes of death but owing to the intensity of the application of control measures, the now early discovery of cases with consequent early institution of active treatment, it is only occasionally that the number of deaths reported give tuberculosis a minor place among the first six causes.

INFANT MORTALITY

The number of infant deaths registered during the year was 141, including deaths of non-residants, and therefore gross. The rate per thousand live births shows at 36.8

These figures represent an increase when compared with those for 1947, of 15 in number and 5.8 in rate.

It has been pointed out that very little if any control can be exercised in regard to infant deaths from such causes as prematurity, congenital debility and malformations, and injuries at birth. This by reason of inter-relating factors of physical, social, and domestic significance that range beyond control. Deaths from these several causes numbered 86 or about 61% of the gross total.

Infant deaths from pneumonia numbered 17 which is the highest figure due to this cause for the past five years. Whooping cough and measles were prevalent at the latter part of the year, and these two diseases are prone to give rise to pneumonia, especially in the first two years of life. There is no doubt that amongst the seventeen deaths aforementioned from pneumonia, the primary condition was either whooping cough or measles.

MATERNAL MORTALITY

The number of maternal deaths that took place during the year was five and all were amongst resident mothers. The rate in this regard is 1.3 per thousand live births,

A study of Table. No.8 showing the causes of maternal deaths during the year 1948, reveals the unfortunate fact that little if anything could have been done in the way of prevention.

The maternal state ever introduces much of hazard, and, as in consideration of infant mortality, some of the causes of maternal death are quite beyond control by preventive medicine due to relating factors outside the medical field.

COMMUNICABLE DISEASE

The total number of cases of communicable disease reported during the year 1948 was 2200. In addition, the following cases were brought in from out-of-town for treatment in Calgary hospitals. Scarlet Fever 3, whooping cough 1, cerebrospinal meningitis 1, poliomyelitis 16, anthrax 1, and erysipelas 1.

Chickenpox 935, mumps 712, and whooping cough 352, between them accounted for most of the incidence, or for 1999 cases. It will follow that the collective incidence of the other communicable diseases was very light, although it should be mentioned that the number of cases of poliomyelitis showed an increase of six as compared with the year 1947.

QUARANTINE AND DISINFECTION

The work covered by this phase of departmental activity has been satisfactorily discharged throughout the year and the following table shows the work in detail.

	Jan	Feb	Mar	Apl	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Totals
Houses quarantined	29	56	66	36	34	15	3	9	10	10	19	10	289
Released from quarantine	24	29	60	54	66	33	7	8	6	10	3	1	301
Patients moved to hospital	10	3	6	3	3	-	5	6	10	12	21	12	91
Other calls made	69	72	75	68	81	72	48	114	154	201	238	219	1411

IMMUNIZATION

The demand for the services of this division of the department has been increasing year by year. The department confers immunity against smallpox, diphtheria, whooping-cough, scarlet fever, typhoid fever and tetanus, and as the demands for the services of this clinic reached the point where further assistance was necessary, a second nurse was appointed. Miss. D. R. West, the new appointee, came to the department on the 1st of October 1948, upon her graduation from the University Hospital and the University of Alberta.

The work done in 1948 in this regard is shown in the following table.

	Jan	Feb	Mar	Apl	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Totals
Inoculations	418	382	464	514	592	742	620	697	667	653	609	389	6747
Swabs taken	-	-	-	-	-	-	-	-	-	-	-	3	3
Vaccinations	13	16	43	26	16	49	41	94	34	27	24	6	389
Dick tests	2	1	2	35	-	1	-	3	3	53	-	-	100
Schick Tests	24	21	26	43	18	36	38	5	21	82	2	16	332
Tuberculin Tests	-	-	75	15	-	-	-	-	60	38	-	-	188
Investigations	12	10	11	16	5	10	7	14	6	10	12	6	119
Total visits made	75	65	72	72	69	70	41	85	53	81	76	86	845

SANITATION

The maintenance of the sanitary state has constituted a formidable task for the last number of years. The lack of adequate housing still complicates the sanitary picture and, with its attendant problem overcrowding, it is particularly difficult to get anywhere at all.

Some of the larger so-called apartment blocks (they really were erstwhile business premises) present situations that would seem to defy any attempt at remedy.

Many of these places have changed hands a number of times, and the impression at the moment is that the landlord has set out to squeeze from the property every possible cent in revenue without giving a thought to such matters as improvement or even upkeep. This goes for a good many of the smaller places as well. It is not thought that much improvement will be manifest in the housing problem until rental property is available for those in the lower salary brackets.

The department continues the scrutiny of all places where food is served for human consumption, and it is gratifying to note the nice progress that has taken place in the general conduct of restaurants and such places as serve food and drink to the public.

The production, preparation and handling of foodstuffs has been rigidly supervised and the regulations in respect thereto enforced.

The following table shows in detail the work of this particular branch of the department.

SANITARY INSPECTION REPORT

	Jan	Feb	Mar	Apl	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Totals
Written notices issued	18	16	12	16	14	15	7	13	12	22	21	9	175
Verbal notices issued	209	196	247	382	298	252	442	218	180	267	248	210	3149
Complaints received	45	26	42	55	51	61	31	47	27	48	61	42	536
Complaints justified	35	19	26	48	46	45	22	38	20	32	46	36	413
Prosecutions	-	-	-	-	2	-	-	-	-	-	-	-	2
Inspections made	1506	1417	2261	1596	1519	1438	2070	1319	1271	1573	1708	1807	19539
Bacteria tests of utensils.	35	9	-	2	-	9	30	-	-	25	15	-	125

The following foodstuffs were condemned and destroyed for various reasons:

Chicken	513 lbs	Meat	557 lbs
Turkeys	86 lbs	Ice Cream Bars	1200 No.
Geese	12 lbs	Potatoe chips	20 lbs
Flour	100 lbs	Carrots	10 lbs
Bananas	45 lbs	Eggs	4 doz
Oranges	25 lbs	Green Coffee Beans	900 lbs
Apples	23 lbs	Cooking Fats	60 lbs
Sugar	510 lbs	Fish	2 lbs
Fruit Syrup	2 lbs	Corn	15 lbs
Canteloup	12 lbs	Peaches	30 lbs
Kippers	100 boxes	Bloaters	19 boxes
Smoked Haddies	14 boxes	Miscellaneous foods	1000 lbs

MEAT INSPECTION

The work involved in the City's meat inspection service has been satisfactorily and efficiently attended to throughout the year and the following table shows in detail the extent of the work.

SUBMITTED	Jan	Feb	Mar	Apl	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Totals
Beef	124	94	107	99	105	115	109	158	157	172	192	161	1593
Veal	320	270	193	191	178	115	195	183	298	290	271	207	2711
Hogs	143	112	133	104	107	140	96	99	108	111	152	158	1463
Sheep and lamb	62	9	23	20	42	25	77	61	206	157	126	32	840
Totals	649	485	456	414	432	395	477	501	769	730	741	558	6607

CONDEMNED: 34 beef heads and tongues, 2 beef hearts, 415 beef livers, 264 hog heads and tongues, 11 hog hearts, 481 hog livers, 7 veal heads, 10 veal livers, and 609 sheep livers.
One veal carcase, 7 hog carcases, 1 sheep carcase, and $3\frac{1}{4}$ beef carcases.

MILK AND DAIRY INSPECTION

The work entailed in this most important phase of departmental activity has been discharged in a very satisfactory manner.

In the report for the year 1947 a detailed analysis was undertaken of the many problems involved in assuring to the citizens a dependable and safe milk supply, and it is not thought necessary to enter into any repetition in this report.

Of the 5372 methylene blue reductase tests of producers samples of milk, 80.8% were grade 1, 8.6% grade 2, and 10.6% grade 3.

Of the 5372 sediment tests of producers samples of milk, 91.3% were good, 7.0% fair, and 1.7% bad.

Sediment tests were applied to 408 samples of milk taken at random from retailers wagons and all were good.

The phosphatase test was applied to 408 samples of pasteurized milk and all proved that pasteurization had been efficient.

Butter fat tests were applied to 486 retailers samples of milk and the average percentage of butter fat throughout the year was 3.6% for standard milk, 3.55% for nursery milk, 4.9% for Jersey milk, and 10.25% for superior milk.

According to information supplied by The Board of Public Utility Commissioners for the Province of Alberta, sales of milk and cream in Calgary for the year 1948 were as follows:

Total sales of milk (all pasteurized - voluntarily) 13,426,972 quarts
Total sales of cream 1,415,925 quarts pasteurized
4,244 " not pasteurized. 1,420,160 qts

The daily consumption of milk per capita during 1948 was 0.73 pints
The daily consumption of cream per capita during 1948 was 0.077 pints.

Details of the work of this branch of the department for the year 1948 are shown in the table on the following page.

MILK AND DAIRY INSPECTION

	Jan	Feb	Mar	Apl	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Total
Inspections in country	78	30	52	24	64	90	95	27	107	119	111	80	797
Inspections in City	61	73	69	72	68	83	65	80	98	78	105	97	949
Complaints received	-	1	-	-	2	2	3	5	-	5	7	5	30
Complaints justified	-	1	-	-	2	2	2	3	-	2	2	1	16
Notices issued - written	44	36	49	43	111	125	73	61	81	46	59	53	781
Notices issued - verbal	35	53	47	57	81	94	69	53	96	84	115	87	871
Licenses suspended	-	2	-	-	1	2	1	3	-	2	-	-	11
Permits issued to dairymen	292	-	-	1	4	-	3	2	3	6	5	0	306
" " distributors milk vendors	4	-	-	-	-	-	-	-	-	-	-	-	4
" " cowkeepers	71	-	1	2	-	1	-	-	3	-	2	-	78
" " pasteurizing plants	5	-	-	-	-	-	-	-	-	-	-	-	5
Producers sediment tests	457	472	466	372	461	476	269	476	482	478	493	492	5372
" reductase tests	457	472	466	372	461	476	269	476	482	478	493	492	5372
" microscopic tests	10	12	9	11	18	12	5	-	3	9	13	5	107
Total producers samples	914	944	932	744	922	952	538	952	964	956	986	984	10788
Milk condemned. lbs.	80	-	-	80	160	180	40	-	-	300	80	-	1640
Milk cans dondemned. No.	1	2	1	-	-	3	-	-	-	1	-	-	8
Retailers sediment tests	34	34	34	34	34	34	34	34	34	34	34	34	408
" specific gravity tests	34	34	34	34	34	34	34	34	34	34	34	34	408
" butter fat tests	42	42	42	42	42	40	40	40	40	40	40	40	486
" phosphatase tests	34	34	34	34	34	34	34	34	34	34	34	34	408
Total retailers samples	42	42	42	42	56	40	40	40	40	58	52	46	616
Bacteriological tests	18	4	12	9	14	5	-	-	3	18	12	6	91
Total milk and cream samples	956	986	974	786	978	992	570	992	1004	1014	1038	1030	11320
Water samples taken	-	2	1	-	-	5	1	5	6	2	4	5	31

OTHER DEPARTMENTS AND ASSOCIATIONS

A considerable amount of work was undertaken for other departments, notably the Relief, Land, Legal, Police, and Transit System. This work, which consists of investigations, physical examinations, considerable treatments for the Relief Department, investigations for the Land and Legal Departments, physical examinations and treatments of prisoners, opinions requested in regard to medico-legal matters and narcotic drug control for the Police Department, physical examinations of all applicants for positions with the Transit System, passing on the physical condition of entrants to the pension fund, examination of those applying to be placed on pension, consultation service (communicable disease) for the practicing profession, all amounts to considerable work, much of it after hours. It can be truthfully stated that the work of the department is never finished. Hours of work mean literally nothing.

EDUCATIONAL

Considerable attention has been given to this most important phase of health activity. It has been noted that in a few centres a commendable effort is being put forward to build a community consciousness of the values that accrue from putting into practice the many measures designed in fostering and maintaining public health. In such places educational programmes have been arranged and have met with an encouraging response.

This department distributes a considerable amount of literature covering most health phases and takes every opportunity to give health talks to groups. There is not, however, what might be called an educational section as such set up in this office.

CONCLUSION

The Health Department is deeply appreciative of the constructive help, kindly advice and therefore help, so unstintingly given during the year by the following:

His Worship The Mayor, Commissioner, and Members of The City Council.
The Provincial Department of Health.
The Members of The Calgary School Board and The Separate School Board.
The Superintendent and Staff of The Central Alberta Sanatorium.
The Superintendent and Staff of The Provincial Mental Hospitals.
The Calgary Tuberculosis Association (The Kinsmen's Club)
The Metropolitan Life Insurance Company.
The Victorian Order of Nurses.
The Calgary General Hospital and Staff.
The Calgary Medical Society.
The Calgary Daily Herald and The Calgary Albertan
The Radio Broadcasting Stations
The Heads and Staffs of the several departments in the City Service with whom we have been associated in the conduct of City affairs.

The Medical Officer of Health takes this opportunity to express his heartfelt appreciation and thanks to each and every member of the entire staff. The spirit of cooperation and loyalty, and the readiness on the part of all to proceed with the work at any and all times, is a source of much encouragement and a prime factor in the maintenance of an active and efficient department.

All of which is respectfully submitted,

W. H. HILL, B.A. M.D. C.M. D.P.H.
Medical Officer of Health.
City of Calgary, Alberta.

GENERAL DEPARTMENTAL ACCOMPLISHMENTS

A considerable amount of work has been undertaken for other departments, notably the Relief, Land, Family, Medical, and Property Branches. This work, which consists of investigations, personal interviews, inspections, preparation for the Relief Department, investigations for the Land Department, physical examinations and treatments of children, outdoor treatment in regard to medical matters and narcotic drugs received from the Police Department, medical examinations of all applicants for work among the Transit System, providing on the physical condition of children in the parking lots, examination of those applying to be placed on Kingston, consultations arranged (gonorrhoeal) for the practising profession, all another job additional work, much of it after hours. It can be truthfully stated that the work of the Department is never finished. Much of work means literally "nothing".

[illegible]

Considerable attention has been given to this most important phase of health activity. It has been noted that in a few instances considerable effort is being put forward to build up very unnecessary [illegible] values that arrive from putting into practice the Dog Regulations. Dealing in isolating and quarantining public health. In such places dog [illegible] have been [illegible] and have met with an encouraging response.

This department distributes a considerable amount of literature covering most health phases and takes every opportunity to give health talks to groups. There is not, however, much which [illegible] departmental section as much as [illegible] in this office.

[illegible]

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His Worship The Mayor, Commissioner, and Members of The City Council.
The Provincial Department of Health.
The Members of The City Public School and The Separate School Board.
The Superintendent and Staff of The Central Alberta Sanatorium.
The Superintendent and Staff of The Provincial Mental Hospital.
The Calgary Municipal Hospital (The Hammond Home)
The Metropolitan Life Insurance Company.
The Victoria Order of Nurses.
The Calgary General Hospital and Grace.
The Calgary Medical Society.
The Calgary Daily Herald and The Calgary Albertan
The Radio Broadcasting Stations
The Heads and staffs of the several departments in the City Service with whom we have been associated in the conduct of City Affairs.

The Medical Officer of Health takes this opportunity to express his heartfelt appreciation and thanks to each and every member of the entire staff. The spirit of cooperation and loyalty, and the willingness on the part of all to proceed with the work at hand and [illegible], has contributed much accordingly and a prime factor in the satisfactory [illegible] of an active and efficient department.

All of which is respectfully submitted.

J. [illegible], M.D., C.M., D.P.H.,
Medical Officer of Health,
City of Calgary, Alberta.

Vital Statistics Tables in accordance with the form approved by The Canadian Public Health Association follow:

VITAL STATISTICS REPORT

Population as shown by Dominion Government Census of June 1946 was 98,101
Population as shown by revised Dominion Government Census June 1946 was 100,044

Live births ..... 3835 Rate per 1,000 population 38.3
Stillbirths ..... 77 Rate per 1,000 live births 0.77
Included in the above were 879 non-resident births and 23 non-resident stillbirths.

TABLE. No. 1

LIVE BIRTHS, 1944-1948

Year	Population	No. including non-resident	Rate per 1,000 population	No. Residents only	Rate per 1,000 population
1948	100,044	3835	38.3	2956	29.5
1947	100,044	4056	40.5	3049	30.47
1946	98,101	3451	35.2	2492	25.4
1945	97,247	2997	30.8	2176	22.4
1944	97,247	2887	29.7	2131	21.9

TABLE. No. 2

STILLBIRTHS 1944-1948

Year	Population	No. including non-resident	Rate per 1,000 population	No. Residents only	Rate per 1,000 population
1948	100,044	77	0.77	54	0.54
1947	100,044	76	0.76	62	0.62
1946	98,101	77	0.79	62	0.64
1945	97,247	54	0.55	39	0.41
1944	97,247	55	0.57	39	0.40

MARRIAGES

Number performed in 1948 was 1867 Rate per 1,000 population was 18.6

DEATHS

From all causes a total of 1294 deaths were reported, being a rate of 12.9 per thousand population, including 266 deaths of non-residents.

MORTALITY RATE (exclusive of stillbirths) 1944-1948

TABLE, No. 3

Year	No. Deaths including non-residents	Rate per 1,000 population	No. Residents only	Rate per 1,000 population
1948	1294	12.9	1028	10.3
1947	1200	11.99	966	9.65
1946	1209	12.3	899	9.2
1945	1099	11.3	825	8.5
1944	1079	11.1	818	8.4

Table, No. 4

CHIEF CAUSES OF DEATH 1946, 1947 and 1948

(total number including non-residents)

Abridged International List Number.	Cause	Number of deaths			Rate per 100,000		
		1948	1947	1946	1948	1947	1946
25, 33 22 & 24	Diseases of the heart, arteries, and kidneys, including apoplexy.	535	492	472	534.7	491.8	481.1
15	Cancer - all forms	194	206	192	193.9	206.0	195.7
27	Pneumonia	33	37	32	33.0	37.0	32.6
42	Violent and accidental deaths	71	53	41	70.9	53.0	41.8
10 & 11	Tuberculosis - all forms	8	12	8	7.9	12.0	8.2
18	Diabetes	10	10	13	9.9	10.0	13.3
8	Influenza	3	3	4	2.9	3.0	4.1
1,2,3,4 5,6 & 7	Communicable diseases (other than tuberculosis, pneumonia and influenza)	5	2	2	4.9	2.0	2.0
	All other causes	435	385	445	434.8	384.8	453.6
	TOTALS	1294	1200	1209	-	-	-

TRADE

From all causes a total of 1294 deaths were recorded, being a rate of 12.9 per thousand population, including 295 deaths of non-residents.

MORTALITY RATE (exclusive of civilians) 1944-1948

TABLE No. 3

Year	No. Deaths including non-residents	Rate per 1,000 population	No. Residents only	Rate per 1,000 population
1948	1294	12.9	1008	10.3
1947	1200	12.99	965	9.65
1946	1209	12.3	990	9.2
1945	1097	11.39	885	8.15
1944	1079	11.1	898	8.4

TABLE No. 4

QUINN RAUSE OF DEATH 1944, 1945 and 1946

(Total number of deaths including non-residents)

Revised International List Number	Cause	Number of deaths 1944	1945	1946	Rate per 100,000 1944	1945	1946
6, 32 & 34	Diseases of the heart, arteries, and kidney, including anaemia.	495	402	472	594.7	491.8	461.1
45	Cancer - all forms	194	206	192	193.8	206.0	185.7
37	Pneumonia	77	87	82	72.0	72.0	80.6
42	Violent and accidental deaths	71	52	41	70.9	52.0	41.8
0 to 11	Tuberculosis - all forms	8	10	8	7.9	12.0	8.2
13	Diabetes	10	11	13	9.9	10.0	12.3
8	Influenza	3	3	4	2.9	3.0	4.1
2, 3, 4, 5, 6, 7	Communicable diseases (other than tuberculosis, pneumonia and influenza)	5	8	7	4.9	8.0	7.0
	All other causes	437	385	447	434.8	384.5	451.6
	TOTALS	1294	1200	1009	—	—	—

INFANT MORTALITY

The Infant Mortality Rate for the municipality, including deaths of non-residents, is presented in the following table for the year 1948 and the preceding four years.

Table. No. 5

DEATHS OF INFANTS IN THE FIRST YEAR OF LIFE 1944-1948
(total number, including non-residents)

	1948	1947	1946	1945	1944
Number of infant deaths	141	126	151	122	100
Rate per 1,000 live births	36.8	31.0	43.8	40.7	34.6

Number of deaths of non-residents included in above:

1948 - 31, 1947 - 25, 1946 - 52, 1945 - 38, and 1944 - 33.

Table. No. 6

INFANT MORTALITY RATES BY CAUSES OF DEATH 1944-1948

Causes of deaths	1948	1947	1946	1945	1944
1 Diarrhoea and enteritis	5	9	13	11	4
2 Pneumonia and influenza	17	11	14	13	15
3 Prematurity	47	50	43	53	23
4 Congenital debility and malformations	20	34	41	22	21
5 Injuries at birth	19	8	11	12	10
6 Acute communicable diseases, (whooping cough diphtheria, measles, scarlet fever, etc.)	5	1	-	-	-
7 Other causes	28	13	29	11	27

Of the 141 infant deaths registered, 41 occurred within the first twenty-four hours, 32 within the first week, and 26 died under one month of age, representing 70.2% of the total number.

MATERNAL DEATHS

The number of deaths of mothers from puerperal causes was 5. There were no deaths of non-residents. The rate for the municipality is 1.3 per 1,000 live births.

Table. No. 7

MATERNAL MORTALITY

1944 - 1948
(including non-residents)

Year	Live Births	Number of maternal deaths	Rate per 1,000 live births
1948	3835	5	1.3
1947	4056	3	0.98
1946	3451	6	1.8
1945	2997	6	2.0
1944	2887	2	0.7

Number of non-residents included in above:

1948 nil, 1947 nil, 1946 - 3, 1945 - 2 and 1944 - 1.

Table. No. 8

CAUSES OF MATERNAL DEATHS

Cause of death	Number, including non-residents	Residents only
Abortions (septic and non-septic)	1	1
Puerperal toxaemias	2	2
Puerperal sepsis	-	-
Other puerperal causes	2	2

Table No. 15

MATERNITY

1948 - 1944

(Maternity Rates per 1,000 Births)

Year	Live Births	Number of Maternal Deaths	Rate per 1,000 Live Births
1948	3935	5	1.3
1947	4056	3	0.739
1946	3851	6	1.8
1945	2977	6	2.0
1944	2947	2	0.7

Number of non-residents included above:

1948 nil, 1947 nil, 1946 1; 1945 2; 1944 1.

Table No. 8

Causes of Maternal Deaths

Cause of death	Number, including non-residents	Residents only
Abortions (septic and non-septic)	1	1
Puerperal toxaemia	2	2
Puerperal sepsis	-	-
Other puerperal causes	2	2

From the following table the part played by certain diseases is at once evident.

COMMUNICABLE DISEASES (residents only)

Table. No. 9

REPORTED CASES AND DEATHS FROM COMMUNICABLE DISEASES 1948

	Cases		0-4 years		5-14 years		15 & over		Totals	
	M	F	Cases	Dth's	Cases	Dth's	Cases	Dth's	Cases	Dth's
Cer. Spinal Meningitis	-	-	-	-	-	-	-	-	-	-
Chickenpox	485	450	122	-	773	-	40	-	935	-
Diphtheria	-	-	-	-	-	-	-	-	-	-
German Measles	12	9	10	-	11	-	-	-	21	-
Influenza	-	-	-	2	-	-	-	1	-	3
Measles	21	22	17	-	21	-	5	-	43	-
Mumps	357	355	60	-	576	-	76	-	712	-
Paratyphoid Fever	-	-	-	-	-	-	-	-	-	-
Pneumonia (all forms)	-	-	-	16	-	-	-	14	-	30
Ant. Poliomyelitis	8	6	1	-	6	1	7	3	14	4
Puerperal Septicaemia	-	-	-	-	-	-	-	-	-	-
Scarlet Fever	28	35	27	-	34	-	2	-	63	-
Septic Sore Throat	-	-	-	-	-	-	-	-	-	-
Smallpox	-	-	-	-	-	-	-	-	-	-
Tuberculosis (all forms)	17	26	2	-	5	-	36	7	43	7
Typhoid Fever	1	-	-	-	-	-	1	-	1	-
Undulant Fever	9	4	-	-	-	-	13	-	13	-
Whooping Cough	171	181	122	5	229	-	1	-	352	5
Totals	1109	1088	361	23	1655	1	181	25	2197	49

IMMUNIZATION REPORT 1948

	Quantity distributed by Health Dept	Number of persons given complete treatment in the Health Dept	Reinforcing doses given at the Health Department
Diphtheria Toxoid	1689	892	184
Smallpox Vaccine	3498	389	
Scarlet Fever Toxin	495	46	
Pertussis Vaccine	1518	860	248
Comb: Pertussis & Diph Toxoid	937	9	63

Table. No. 10

REPORTED CASES AND DEATHS FROM TUBERCULOSIS 1944-1948

Year	Cases	Number of deaths in city	Number of deaths in sanitoria	Total Deaths	Rate per 100,000 population
1948	43	8	11	19	18.9
1947	192	11	11	22	22.0
1946	87	7	10	17	17.3
1945	31	12	8	20	20.6
1944	37	11	6	17	17.5

Table. No. 11

REPORTED CASES AND DEATHS FROM SCARLET FEVER, DIPHTHERIA, WHOOPING COUGH, and MEASLES. 1946-1948

	Cases			Deaths			Mortality rate per 100,000 population		
	1948	1947	1946	1948	1947	1946	1948	1947	1946
Scarlet Fever	63	46	74	-	-	-	-	-	-
Diphtheria	-	-	3	-	-	2	-	-	2.04
Whooping Cough	352	90	18	5	1	-	4.9	1.0	-
Measles	43	1368	598	-	1	-	-	1.0	-

There were no non-resident deaths from the above diseases in 1948

Table. No. 12

REPORTED CASES AND DEATHS FROM TYPHOID FEVER 1944-1948

Year	Cases (residents only)	Number of deaths including deaths of non-residents	Rate per 100,000 of population, including non-residents
1948	1	-	-
1947	2	-	-
1946	-	-	-
1945	1	-	-
1944	6	-	-

Number of deaths of non-residents in above nil.

SERA AND VACCINE DISTRIBUTED FOR USE IN CALGARY

Diphtheria Antitoxin, syringe packages, 20,000 units	4
" " " " 5,000 "	-
" " " " 1,000 "	-
Scarlet Fever Antitoxin, syringe packages, 9,000 units	44
" " " " " 3,000 "	13
Diphtheria Toxoid, packages for one person	1287
" " " " six persons	1
" " " " twelve persons	33
Dick Test Material	28
Schick Test Material	67
Scarlet Fever Toxin, packages for one person	495
Smallpox Vaccine, number of capilliary tubes	3498
Typhoid and Paratyphoid Vaccine, 10 cc vials	81
" " " packages for one person	30
Pertussis Vaccine, 6 cc's, packages for one person	1518
Combined Pertussis Vaccine & Diphtheria Toxoid. pkgs for one person	937
Gas Gangrene Antitoxin, 4000 units in vials	35
Tetanus Antitoxin, 1,500 units in syringes	134
Staphylococcus Toxoid. 2 cc vials	40
Anti-Measles Serum. 5.cc's. in vials.	5
T. A. B. T. Vaccine. for one person.	1

The above material is supplied by the Provincial Department of Health, Edmonton, and all are products of The Connaught Laboratories, University of Toronto. Toronto. Ontario.

Such material as is used for the prevention of disease is issued free of charge.

Material for the treatment of diseases is issued at cost price.

Year	Number of deaths (Figures only)	Number of deaths including deaths penalized under Section 1 of Power Identity non-resid	
1948	1	-	-
1947	2	-	-
1946	-	-	-
1945	1	-	-
1944	6	-	-

Number of deaths of non-residents in above 111.

CAUSES OF DEATH

In accordance with the recommended practice, the causes of death are presented, using the Abridged International List as follows:

ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

(revision of 1929)

Abridged Int List No.	Cause of death	Number of deaths including non residents	Number of deaths residents only
1	Typhoid Fever and Paratyphoid Fever	-	-
2	Smallpox	-	-
4	Measles	-	-
5	Scarlet Fever	-	-
6	Whooping Cough	5	5
7	Diphtheria	-	-
8	Influenza	3	3
10	Tuberculosis of the Respiratory System	6	5
11	Other forms of tuberculosis	2	2
12	Syphilis	5	5
14	Other infections and parasitic diseases	22	12
15	Cancer and other malignant tumors	194	156
16	Tumors - Non-malignant tumors	8	5
17	Chronic Rheumatism and Gout	3	2
18	Diabetes Mellitus	10	9
19	Alcoholism (acute and chronic)	2	2
20	Other general diseases and chronic poisonings	24	19
21	Progressive Locomotor Ataxia and General Paralysis of Insane	-	-
22	Cerebral Hemorrhage, Cerebral Embolism and Thrombosis	29	25
23	Other diseases of the Nervous System and of the organs of special sense	20	15
24	Diseases of the Heart	256	213
25	Other diseases of the Circulatory System	207	179
26	Bronchitis	11	8
27	Pneumonia	33	30
28	Other diseases of Respiratory System (Tuberculosis excepted)	20	15
29	Diarrhoea and Enteritis	8	7
30	Appendicitis	5	3
31	Diseases of the Liver and Biliary Passages	16	13
32	Other diseases of the Digestive System	42	30
33	Nephritis	43	39
34	Other diseases of the Genito-Urinary System	39	20
35	Puerperal Septicaemia	-	-
36	Other diseases of Pregnancy, childbirth and puerperal state	5	5
37	Diseases of the Skin, Bones and Organs of Locomotion	2	2
38	Congenital Debility and Malformations, premature birth, etc	109	83
39	Senility	86	67
40	Suicide	12	10
41	Homicide	1	1
42	Violent and Accidental Deaths (suicide and homicide excepted)	58	32
43	Cause of death not specified or ill-defined	8	6
	Total	1294	1028

JAPANESE OCCUPATION

In accordance with the recommendations, the causes of death are presented, using the abridged lists as follows:

ABBREVIATED INTERNATIONAL LISTS OF CAUSES OF DEATH

(revision of 1948)

Abbreviated list No.	Cause of death	Number of deaths - Nombre de décès - Número de muertes
1	Typhoid fever and paratyphoid fever	-
2	Smallpox	-
3	Measles	-
4	Scarlet fever	-
5	Whooping cough	-
6	Influenza	5
7	Diphtheria	-
8	Erysipelas	-
9	Tuberculosis of the respiratory system	3
10	Other forms of tuberculosis	5
11	Syphilis	2
12	Gonorrhoea and gonorrhoeal sequelae	5
13	Cancer and other malignant tumors	32
14	Tumors - benign and uncertain	12
15	Diabetes mellitus	34
16	Anemias	5
17	Avitaminosis and other deficiency states	2
18	Meningitis	5
19	Organic diseases of the central nervous system	120
20	Acute poliomyelitis	2
21	Acute rheumatism (acute and chronic)	2
22	Other general diseases and ill-defined diseases	94
23	Congenital heart disease	-
24	Other diseases of the circulatory system	109
25	Pneumonia	29
26	Other diseases of the respiratory system	20
27	Bronchitis	103
28	Ulcer of stomach	356
29	Other diseases of the digestive system	229
30	Appendicitis	121
31	Hernia	3
32	Cirrhosis of the liver	30
33	Other diseases of the liver	55
34	Nephritis and nephrosis	20
35	Other diseases of the urinary system	5
36	Puerperal septicaemia	7
37	Other diseases of pregnancy, childbirth and puerperium	5
38	Diseases of infancy, Born with other conditions	12
39	Congenital debility and malformations, premature birth, etc.	1989
40	Senility	67
41	Suicide	20
42	Homicide	12
43	Accidents	11
44	Other and ill-defined causes (including unknown causes)	38
45	Cause of death not specified or not stated	6
	Total	3,128

CAUSES OF DEATH BY AGE AND SEX (gross) 1948

	Males	Females	under 24 hours	under one year	1 to 4 years	5 to 19 years	20 to 39 years	40 to 59 years	60 and over	Totals
1 Infections and Parasitic Diseases	25	18	-	13	2	5	13	12	8	43
2 Cancer and other tumors	112	90	-	-	-	3	11	37	151	202
3 Rheumatism and diseases of nutrition and general diseases	5	18	-	-	-	1	2	8	12	23
4 Diseases of the blood and blood forming organs	7	7	-	-	-	1	1	5	7	14
5 Chronic poisonings and intoxications	-	2	-	-	-	-	1	1	-	2
6 Diseases of the nervous system and of the organs of special sense	31	18	-	2	-	2	1	8	36	49
7 Diseases of the circulatory system	286	177	-	-	-	1	8	91	363	463
8 Diseases of the respiratory system	38	26	-	16	5	1	2	7	33	64
9 Diseases of the digestive system	48	23	-	6	3	1	10	18	33	71
10 Diseases of the genito-urinary system	52	30	-	-	-	-	5	12	65	82
11 Diseases of pregnancy, childbirth, and of the puerperal state	-	5	-	-	-	-	4	1	-	5
12 Diseases of skin and cellular tissue	-	2	-	-	-	-	1	-	1	2
13 Diseases of bones and organs of locomotion	-	-	-	-	-	-	-	-	-	-
14 Congenital malformations	15	11	4	15	3	1	1	2	-	26
15 Diseases of early infancy	52	31	37	46	-	-	-	-	-	83
16 Senility	36	50	-	-	-	-	-	-	86	86
17 Violent and accidental deaths	50	21	-	3	3	4	16	13	32	71
18 Ill-defined causes of death	6	2	-	-	-	-	-	1	7	8
Totals	763	531	41	101	16	20	66	216	834	1294

CAUSES OF DEATH BY AGE AND SEX (cross) 1968

	Males	Females	Under one year	1 to 4 years	5 to 14 years	15 to 24 years	25 to 44 years	45 to 64 years	65 years and over	Ages
Infections and Parasitic Diseases	25	18	-	13	2	5	3	12	8	43
Cancer and other tumors	112	90	-	-	-	3	11	37	151	202
Rheumatism and diseases of nutrition and general diseases	5	18	-	-	-	1	2	8	12	23
Diseases of the blood and blood forming organs	2	2	-	-	-	1	1	3	2	4
Chronic poisoning and intoxications	-	2	-	-	-	-	1	1	-	2
Diseases of the nervous system and of the organs of special sense	21	18	-	2	-	2	1	8	36	49
Diseases of the circulatory system	286	177	-	-	-	1	8	21	263	463
Diseases of the respiratory system	38	26	-	16	3	1	2	7	33	64
Diseases of the digestive system	48	23	-	6	3	1	10	18	33	71
Diseases of the genito-urinary system	52	30	-	-	-	-	5	12	65	82
Diseases of pregnancy, childbirth, and of the puerperal state	-	5	-	-	-	-	4	1	-	5
Diseases of skin and cellular tissue	-	2	-	-	-	-	1	-	1	2
Diseases of bones and organs of locomotion	-	-	-	-	-	-	-	-	-	-
Congenital malformations	15	11	4	15	3	1	1	2	-	26
Diseases of early infancy	52	31	37	46	-	-	-	-	-	83
Senility	36	50	-	-	-	-	-	-	86	86
Violent and accidental deaths	50	21	-	3	3	4	16	13	32	71
Ill-defined causes of death	6	2	-	-	-	-	-	1	7	8
Totals	763	531	41	103	16	20	66	216	839	1294

COMMUNICABLE DISEASES REPORTED 1948

	Jan	Feb	Mar	Apl	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Totals
Chickenpox	106	61	39	25	16	40	40	17	27	166	231	167	935
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas	-	1	-	2	-	-	-	-	-	-	-	-	3
Measles	4	2	1	2	2	7	3	2	4	-	6	10	43
Meningitis (Meningococcic)	-	-	-	-	-	-	-	-	-	-	-	-	-
Mumps	75	67	103	92	124	116	36	24	34	24	15	2	712
Paratyphoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant. Poliomyelitis	-	-	-	-	-	-	-	3	4	6	1	-	14
Rubella (German Measles)	2	1	-	2	2	1	1	3	-	2	5	2	21
Scarlet Fever	8	3	6	2	2	-	3	-	2	5	20	12	63
Smallpox	-	-	-	-	-	-	-	-	-	-	-	-	-
Pul. Tuberculosis	4	4	5	4	3	4	1	1	8	5	1	3	43
Typhoid Fever	-	-	-	-	-	-	-	1	-	-	-	-	1
Undulant Fever	-	-	9	-	-	-	-	4	-	-	-	-	13
Whooping Cough	29	85	86	53	48	30	5	6	4	1	2	3	352
Totals	228	224	249	182	197	198	89	61	83	209	281	199	2200

Not included in the above were the following cases brought in from out-of-town for treatment in Calgary Hospitals.

Scarlet Fever	3	Whooping Cough	1
Cerebro Spinal Meningitis	1	Ant. Poliomyelitis	16
Anthrax	1	Erysipelas	1

COMMUNICABLE DISEASES NOTIFIED 1944

	Jan.	Feb.	Mar.	Apl.	May	Jun.	July	Aug.	Sep.	Oct.	Nov.	Dec.	Totals
Chickenpox	105	81	39	25	16	40	40	17	27	126	231	167	975
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas	-	1	-	2	-	-	-	-	-	-	-	-	3
Measles	4	2	1	2	2	7	3	2	4	-	6	10	43
Meningitis (Meningococcic)	-	-	-	-	-	-	-	-	-	-	-	-	-
Mumps	75	67	103	92	124	116	36	24	34	24	15	3	712
Paratyphoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Ant. Poliomyelitis	-	-	-	-	-	-	-	3	4	6	1	-	14
Rubella (German Measles)	2	1	-	2	2	1	1	3	-	2	5	2	21
Scarlet Fever	8	3	6	2	2	-	3	-	2	5	20	12	63
Smallpox	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	4	4	3	4	3	4	1	1	3	5	1	3	43
Typhoid Fever	-	-	-	-	-	-	-	1	-	-	-	-	1
Undulant Fever	-	-	2	-	-	-	4	-	-	-	-	-	13
Whooping Cough	29	85	85	23	49	30	5	6	4	1	2	3	352
Totals	228	224	249	182	197	198	89	61	83	169	181	199	2200

Not included in the above were the following cases brought in from out-of-town for treatment in Calgary hospitals.

Scarlet Fever	3	Whooping Cough	1
Cerebro Spinal Meningitis	1	Ant. Poliomyelitis	16
Chickenpox	1	Erysipelas	1

The Chairman and Members
The Calgary School Board and The Calgary Separate School Board.
Calgary, Alberta.

Ladies and Gentlemen:

The following report of work done for the children of the Calgary Schools during the year 1948 is submitted for your information:

PHYSICIANS

		Number referred to family physicians
Number of children examined in schools	6,224	423
Number examined at Health Department Offices	996	146
Number of children found who have not been vaccinated	2,119	

Defects found:

Malnutrition	480	7 to 10% underweight	711
Anaemia	9	Obesity	39
Enlarged glands	581	Enlarged thyroid	2
Cardiac disturbance	77	Pulmonary disturbance	12
Scabies	4	Digestive disturbance	9
Impetigo	7	Defective vision	425
Eczema	1	Defective hearing	21
Acne	5	Defective spine and posture	4
Defective chest	11	Defective extremities	162
Defective nasal breathing	7	Tonsils and adenoids	348
Paresis	15	Moderately enlarged tonsils and adenoids	1007
Hernia	24		
Hydrocele	3	Phimosis	1
Cryptorchid	2	Flat feet	4
Mental disturbance	3	Other defects	89

Number of children found without any defect	2853
Number of children referred to family physician	423
Number of children who have received toxoid	3997
Number of parents invited to examinations	1111
Number of parents who attended examinations	1097
Vaccinations completed in schools	829
Diphtheria toxoid completed in schools	507

Correction of defects:

The following conditions are known to have been treated and corrected by the family physicians.

Operations: Tonsils & Adenoids.	265	Appendectomies	114
Fractures	58	Orthopedic defects	22
Refractions and prescriptions for glasses	427	Hernia	3
Skin diseases	59	Other defects	82

A total of 1030

NURSES

Health talks	667	Defects found:	
Exclusions	1000	Pediculosis	81
Re-admissions	543	Eyes	901
Number inspected in schools:		Ears	80
Routine	21,562	Tonsils and adenoids	437
Special	25,834	Enlarged glands	361
Referred for medical examination	1,862	Orthopedic	44
Phones and notes	5,172	Nutritional	140

The Chairman and Members
The Calgary School Board and The Calgary Separate School Board,
Calgary, Alberta.

Ladies and Gentlemen:

The following report of work done for the children of the Calgary Schools during the year 1948 is submitted for your information.

PHYSICIANS

Number of children examined in schools	6,228	Number referred to family physicians	443
Number examined at Health Department Offices	996		146
Number of children found who have not been vaccinated	2,119		

Defects found			
Malnutrition	480	7 to 10% underweight	711
Anaemia	9	Obesity	39
Enlarged glands	581	Enlarged thyroid	2
Cardiac disturbance	77	Pulmonary disturbance	12
Goitres	4	Digestive disturbance	9
Impetigo	7	Defective vision	445
Eczema	1	Defective hearing	23
Acne	5	Defective spine and posture	4
Defective chest	11	Defective extremities	162
Defective nasal breathing	7	Tonsils and adenoids	348
Hernias	15	Moderately enlarged tonsils and adenoids	1007
Hernias	24		
Hydrocele	3	Phimosis	1
Cryptorchid	2	Flat feet	4
Mental disturbance	3	Other defects	89

Number of children found without any defect	2853
Number of children referred to family physician	423
Number of children who have received toxoid	3997
Number of parents invited to examinations	1111
Number of parents who attended examinations	1097
Vaccinations completed in schools	829
Diphtheria toxoid completed in schools	597

Correction of defects.

The following conditions are known to have been treated and corrected by the family physicians.

Operations: Tonsils & Adenoids.	265	Appendectomies	114
Fractures	58	Orthopedic defects	22
Refractions and prescriptions for glasses	427	Hernia	3
Skin diseases	59	Other defects	82

A total of 1030

Dentists

Teeth filled	667	Defects found:	
Extractions	1000	Pediculosis	81
Re-admissions	543	Impetigo	201
Number treated in schools:		Acne	80
Nursing	21,562	Tonsils and adenoids	427
Special	23,234	Enlarged glands	361
Referred for medical examination	1,847	Orthopedic	44
Phones and notes	5,172	Nutritional	140

NURSES (continued)

Treatments	5512
Communicable diseases found:	
Measles	8
Scarlet Fever	39
Whooping cough	111
Chickenpox	497
Mumps	303
Tonsilitis	71

Defects found (ctd)	
Nervous conditions	13
Conjunctivitis	74
Skin Diseases	219
Interviews	432
Home visits	2692

DENTISTS

Total extractions	3053
Total fillings	5881
Bases	2517
Prophylaxis and scaling	359
Miscellaneous	649
Number of teeth treated	10124
Total number of cases	6645
Number of appointments made	6660
Extras	222
Refused treatment	45
Number without defects	187

Dental Inspections:		
Number inspected		8357
Number needing treatment		5221
Need nothing at present		668
Number found to be O.K		2541
Defective teeth:		
Permanent	6530	
Deciduous	4026	10556

The School Branch of the Health Department suffered a great loss in the passing of Dr. Geraldine Oakley on November 6th 1948, following a lengthy illness. Dr. Oakley was Assistant Medical Officer of Health and had been in charge of the School Medical and Dental Services since January 1st 1918. Her great interest in regard to school health and her untiring devotion to duty will long be remembered by all those with whom she worked.

Dr. R. D. Hewson carried on the School Medical Services throughout 1948, assisted part-time by Dr. F. D.Lundy from January to June and by Dr. M. H. West during October, November and December.

There were several changes in the nursing staff during the year. Miss M. E.Carpenter and Miss L. Aselstine resigned to be married. These two vacancies were filled in August by the appointment of Miss R. Anderson and Miss M. Urch.

Also in August, a new position was filled when Miss M. Deane-Freeman was appointed as Supervisor of the School Nursing Staff. It is hoped that this appointment will aid in co-ordinating the school health services and in consolidating the school nursing programme.

During 1948 there were 58 schools served with an average monthly enrolment of 14,829 students.

Physical examinations were given in school to 6,224 students in grades 1, 3, 5, 7 and 10, and 996 children were specially examined in the School Health Clinic. There were one or more defects found in 3,371 children and 569 were referred to their own physician for treatment. One-third of the defects found were corrected during the year. This figures should be higher and greater emphasis must be placed in the future on endeavouring to educate parents to make every effort to have defects corrected in the younger children.

TABLE 3 (continued).

Treatments:		Defects found (cont'd):	
Comprehensive dentures	551	Nervous conditions	12
Health:		Congenital:	74
Excellent	8	Skin diseases	219
Fair	39		
Good	111	Infectious	422
Children	497	Home conditions	2,892
Women	203		
Tonsillitis	71		

DENTISTS:

Total examinations	2,053	Dental Implements:	
Total fillings	588	Number sterilized	83
Cases:	251	Number needing repairs	52
Prophylaxis and scaling	359	Need immediately replacing	48
Miscellaneous	640	Number approved by O.R.C.	254
Number of teeth treated	1,012	Defective teeth:	
Total number of cases	4,845	Permanent	6,530
Number of appointments made	5,520	Deciduous	1,059
Extras:	222		
Referred treatment	45		
Number without defects	127		

The Medical Officer of the Health Department suffered a fractured ankle while passing out Dr. Gerald Hoking by motorcar on 20th. Following injury to illness, Dr. Oakly was assistant Medical Officer of Health and assumed in charge of the School Medical and Dental Services about December 20th. Her great interest in these do added knowledge and her untiring devotion to duty will long be remembered by all those with whom she worked.

Dr. R. D. Tavish performed the School Medical Services throughout 1948, assisted part-time by Dr. R. D. Lundy from January to June and by Dr. M. Y. Yeat during October, November and December.

There were several changes in the nursing staff during the year. Miss H. E. Carpenter and Miss M. Anderson resigned to be married. These two vacancies were filled and assisted by the appointment of Miss E. Thorson and Miss Mae Wren.

Also in August, a new position was filled when Miss M. Dyne-Freeman was appointed as Co-ordinator of the School Nursing Staff. It is hoped that this appointment will aid in co-ordinating the school health services and in consolidating the school nursing programme.

During 1948 there were 58 schools served with an average attendance enrolment of 14,520 students.

Physical examinations were given with school to 6,324 students in grades 1, 3, 5, 7 and 10, and 896 children were medically examined in the School Health Clinic. Cards were sent or were delivered in 5,221 children and 569 were referred for their own physician for treatment. One-third of the defects found were corrected during the year. This figure should be higher and greater emphasis must be placed in the future on endeavouring to encourage parents to make every effort to have defects corrected in the younger children.

The incidence of communicable disease amongst school children during 1948 was light. Chickenpox and mumps accounted for two-thirds of the cases of communicable disease. In the age group of 5 to 14 years there were six cases of poliomyelitis and one death, which was the only death in that age group from communicable disease.

Vaccinations against smallpox done in the schools were 829 and inoculations against diphtheria were 507. These figures show an increase over 1947 which were 688 and 387 respectively.

Vitamin tablets were again available to school children at cost price, or distributed free to children in needy circumstances. Approximately 1400 children were supplied with vitamin tablets.

Extra milk was provided during the winter months for children who, in the nurse's judgment, required this extra nourishment. These children received one half-pint of milk on each school day. During the year 1948 an average of 533 half-pints of milk were issued daily on each school day from 1st January to 31st March, and from 29th November to 31st December, at a total wholesale cost to the Health Department of $2,552.12 for the year.

There was a decrease in the dental work accomplished in 1948 as compared to 1947 because of shortage of personnel in that department. There were three full-time dentists on duty in the Dental Clinic until March when Dr. J. T. Ryan resigned. Dr. E. H. Simmons and Dr. C. M. Snow, carried on with the work until the end of July. Dental work for children in grades one to eight inclusive was completed as far as possible by these two dentists. On September 1st, Dr. J. D. Robinson was appointed and on October 1st, with the arrival of Dr. H.J. Phillips, the work of enlarging the clinic began and another dental unit complete was installed. Now, for the first time in its history, the Dental Clinic operates with four full-time dentists.

Respectfully submitted,

W. H. HILL, M.D. C.M. D.P.H.
Medical Officer of Health.

W. H. HILL, Esq., M.D. C.M. D.P.H.
Medical Officer of Health.

Dear Sir:

The following is a report on the Child Welfare Clinic for the year 1948.

ATTENDANCE: Infants 8,425 Pre-school 2,314 Total 10,739

This includes 1,419 complete physical examinations of children in the 3 to 4 year old group. 179 missed appointments for these examinations.

New cases: Infants 1,529 Pre-school 481 Total 2,010

Attendance was not so great as of last year. It is felt that this is due to the change in the transit system rather than lack of interest as the telephone has been extremely busy. Carriages cannot be taken on busses and the mothers have not yet become accustomed to the change.

PRESENT ENROLLMENT: Infants 2,671 Pre-school 6,735 Total 9,406

The number of children interviewed by the doctors during the year was 2,441 and the number interviewed by nurses was 8,298.

VISITS:	Visits made to the homes	5,541	Nursery inspections	330
	Private hospital inspections	39	Insulin investigations	7
	Poliomyelitis investigation	1	Other visits	104

FEEDINGS: Breast 1,233 Bottle 3,686 Other feedings 3,506

DEFECTS FOUND:	Nose and throat	206	Teeth	549
	Skin	195	Phimosis	122
	Eyes	138	Ears	55
	Nutrition	18	Hernia	107
	Intestinal	42	Orthopedic (usually flat feet)	155
	Chest	83	Mentally deficient	5
	Rickets	2	Congenital malformations	7

Infectious diseases found: Whooping Cough 1 Chickenpox 2

53 cases were referred to their family physicians for treatment.

DEATHS: Infants 4

DENTAL CASES: Dental cases treated were 798 Dental appointments missed were 94

EYE, EAR, NOSE AND THROAT:

Tonsil and adenoid operations	69	Eye refractions	35
Treatments of the eyes	1,171	Eye operations	1
Treatments of the ears	492	Individual cases treated	286
Treatments of nose and throat	235		

Students from the University of Alberta Hospital, the Calgary General Hospital, and the Holy Cross Hospital were in attendance for instruction and observation as follows:

11students for one month each. 3 students for 2 days each 12 students for 1 day each.

Senior Class of the Holy Cross Hospital: 25 for one afternoon and
20 for one afternoon.

Nursing Aid Class: 24 for one afternoon and 14 for one afternoon.

DONATIONS: We are indebted to the Dorcas Club, Good Cheer Club, and Friendship Knitting Group, for clothing, Christmas toys and other supplies. We are also indebted to various firms for donations of cod liver oil and other infant products.

LETTERS: A total of 9,953 letters in connection with the work of the Infant and Pre-school Clinic were forwarded during 1948.

OUTSIDE WORK: The nurses took part in three meetings of other organizations.

OUT-of-TOWN CASES: 209 cases from out-of-town attended the Clinic. These do not have the services of the doctors.

STAFF: There has been no change in the nursing staff. Dr. G.Oakley died in November 1948 and Dr. Margaret H. West. is now in attendance at the clinic.

NURSERIES: Effective 1st November 1948, the inspection of these institutions (private baby homes) was taken over by the Welfare Department of the Provincial Department of Public Welfare.

Respectfully submitted,

M. F. LAVELL. R.N.

Public Health Nurse in charge.

CALGARY TUBERCULOSIS ASSOCIATION

W. H. Hill. Esq., M.D. C.M. D.P.H.
Medical Officer of Health.
City of Calgary. Alberta.

Dear Doctor Hill:

I respectfully submit a report of the work done at the Chest Clinic in the City Hall during the year 1948.

Number of clinics held		49
Number of patients examined:	Adults 345	
	Children 57	402
Number who were X-Ray'd at the General Hospital		336
Tuberculin tests given in the office		629
Tuberculin tests given outside the office		770
Home visits made		609
Co-operative visits made		197
Office calls or interviews		1057

All positive reactors to the tuberculin test were advised to report to this clinic or to the Central Alberta Sanatorium for x-ray and further examination if necessary.

The number of new cases of pulmonary tuberculosis discovered at this clinic was 7 active and 15 inactive.

New examinations:	Number	Contacts
1 Tuberculosis - pulmonary - active	5	1
inactive	11	4
2 Suspect - or observation	28	9
3 Non-tuberculosis disease	53	12
4 No disease	112	30
5 Incomplete - or undiagnosed	4	-
	213	56
Re-Examinations:		
1 Pulmonary tuberculosis	87	20
Able to work and working	57	10
Ex-Sanatorium - able to work - working	19	2
unable to work - not working	3	-
2 Others: Able to work - working	22	8
not working	-	-
Unable to work - working	14	10
not working	-	-
3 Suspect or observation	21	14
4 Non-tuberculous disease	27	8
5 No disease	49	26
6 Incomplete or undiagnosed	1	-
	300	98
Total	513	154

Disposition of previous cases:

Suspect	9	Definite tuberculosis	3
No disease	13		

Number of Tests and X-Rays:

T. B. Tests:	Positive	159	Sputum tests:	Positive	-
	Negative	104		Negative	28
	No report	12			
Total X-Rays		363			

The Annual Sale of Christmas Seals, operated by the Kinsmen's Club, and under the direction of Mrs. J. Coggan, has been completed and we are informed that the sum of $29,850.00 was realized therefrom.

At this time may I extend to you and your staff, on behalf of the Kinsman's Club and myself, a very special thank-you for the assistance and advice so readily given throughout the year.

Yours very truly,

OLLIVE A. CURRIE, R.N.

Nurse in charge of City Hall Chest Clinic.

VICTORIA ORDER OF NURSES

W. H. HILL, Esq. M.D., C.M., D.P.H.
Medical Officer of Health.
Calgary, Alberta.

Dear Sir:

The following is the Annual Report of the activities of The Victorian Order of Nurses for the year 1948, being the 39th Annual Report.

Over 3200 patients were given nursing care by the staff of five nurses, having received a total of almost 14,000 visits.

Medical, surgical, and chronically ill patients received 32% of these visits for the purpose of general bedside care, treatments and dressings, and administration of hypodermic medication. All of our visits were made under the direction of the physician in charge of the case.

Mothers and new-born babies received 35% of the visits, for purpose of demonstrating bathing and care, and health supervision for the first six weeks of life.

Pre-natal classes were held in the office each Thursday and were well attended. Pre-natal visiting in the homes was restricted this year due to pressure of other work, but it is intended to build up this service again when an extra nurse is added to the staff next month.

Student affiliation for field experience was provided for nine students from the Post-Graduate Public Health Section of The University of Alberta, for a two-week period each, and eight undergraduate students from the Holy Cross Hospital and the Calgary General Hospital for a period of one month each.

Fully paid for visits amounted to 40.1% part-paid 6.4% Insurance Companies 5.5% and 48% of the visits were free.

Statistical report of the activities for the year are shown on the following page.

Respectfully submitted,

RUTH H. FRANKLIN, R.N

Nurse in charge.

VICTORIAN ORDER OF NURSES

Statistical Report for the year 1948

Number of families admitted	1729
Total cases nursed during year	3256
Classification of cases	
Medical	599
Surgical	100
Pre-natal	303
Obstetrical (for nursing care)	9
Obstetrical (for advice)	994
Newborn (for nursing care)	3
Newborn (for health supervision)	1190
Health instruction	38
Total	3236
Nationalities:	
Canadians (English speaking)	2756
Canadians (French speaking)	7
British	348
Americans	37
Latins	7
Scandinavians	13
Slavs	52
Teutons	13
Orientals	3
Others	2
Total	3236
Sub-Division: New Cases:	
Chronics	34
Cancer	26
Communicable diseases:	
Pneumonia	16
Tuberculosis	1
Strep Throat	1
Chickenpox	1
Visits:	
Prenatal	209
Obstetrical nursing care	60
Obstetrical - advice	3787
Newborn - nursing care	19
Newborn - health supervision	3756
Pneumonia	66
Tuberculosis	22
Other communicable	15
Cancer	333
Chronics	1466
Others	2837
Visits - delivery	2
Visits - operations	7
Health supervision - infants	1193
adults	3
Patients not seen and not taken up	100

Maternity Cases	
Deliveries attended	1
New obstetrical on return from hospital	926
Pre-natals visited on return from hospital after delivery	176
Visits to obstetricals on return from hospital	4542
Newborn on return from hospital	1113
Visits to newborn on return from hospital	3775
Prenatals	196
Prenatals (dismissed to other care)	44
Prenatals delivered	176
Obstetricals	1003
Total obstetricals	1179
Live births	1114
Twins pairs	13
Stillbirths	2
Deaths - under one month	2
Student affiliation:	
Post graduate	9
Under graduate	8
Observation visits by students	990
Other home visits by students	964
Supervisory visits with students	164
Office demonstrations	9
Class conferences	31
Other Sub-divisions:	
Insurance visits - Newborn	142
Prenatal	5
Others	617
Visits - Paid	5543
part paid	892
free	7440
Deliveries: Paid	1
Operations - paid	4
Night calls	134
Consultations in office	20
Clinics and conferences conducted	8
Classes conducted	39
Visits on behalf of patients	3
Meetings attended	9
Cases not taken up	29
Doctors visited	11
Visits to medical and surgical patients on return from hosp	416
Visits to Veterans under D.V.A	59
Supervisory visits with staff	20
Visits by relief and substitute nurses	793
Collection visits	3
Operations attended	4

FINANCIAL STATEMENT

	1948	1947
HEALTH DEPARTMENT (general)		
Salaries	$39,061.69	$34,900.53
Sera, Vaccine, etc,	203.54	143.90
Disinfectants	83.18	45.30
Laboratory Charges (to City Laboratory)	1,200.00	1,200.00
Auto Maintenance and Allowances	3,439.22	2,839.41
Sundries	569.79	713.37
Printing and Stationery	526.31	394.63
Postage	494.47	349.63
Transit System Passes and Tickets	383.75	350.00
Isolation Ambulance Hire	94.00	55.50
Milk Inspection Expenses	292.66	336.93
Milk to Undernourished and Sickly	1,156.60	953.75
Meat Inspection Expenses	83.25	70.99
Office Equipment	196.30	244.93
New Equipment (Automobile) Annual Payment	311.54	311.54
	$48,096.30	$42,910.41
SCHOOL MEDICAL AND DENTAL SERVICES		
Salaries	44,720.62	42,629.30
Medical and Dental Supplies and Equipment	2,927.75	2,667.67
Glasses for Indigent School Children	268.17	424.50
Milk for Undernourished School Children	2,552.12	2,127.75
Transit System Passes and Tickets	476.68	448.74
Auto Allowances	1,020.00	817.50
Printing and Stationery	603.16	545.03
	$52,568.50	$49,660.49
INFANT AND PRE-SCHOOL CLINIC		
Salaries (Nurses)	6,818.68	5,841.79
Transit System Passes and Tickets	165.00	186.16
Services of E.E.N & T Specialist and Dentist	3,735.00	3,085.00
Sundries	79.83	38.79
Auto Allowance (Garage Rent for one nurse)	84.00	84.00
	$10,882.51	$9,235.74
SUMMARY		
Health Department (General)	48,096.30	42,910.41
School Medical and Dental Services	52,568.50	49,660.49
Infant and Pre-School Clinic	10,882.51	9,235.74
	$111,547.31	$101,806.64
Population	100,044	100,044
Per Capita Expenditure	111.4¢	101.7¢

EX PENDITURE FOR PAST FIVE YEARS

	1948	1947	1946	1945	1944
	111,547.31	101,806.64	93,563.54	78,453.82	75,014.60
Per Capita	111.4¢	101.7¢	95.4¢	80.7¢	77.1¢

Appropriation for 1948 was $115,065.34 Expended $111,547.31

Credit balance for 1948 was $3,518.03