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CITY OF CALGARY DEPARTMENT OF PUBLIC HEALTH

Annual Report for the Year 1949

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.



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

Ladies and Gentlemen:

I beg to submit herein a report of the activities of the City Health Department for the year 1949.

VITAL STATISTICS

The rates given in the several tables setting forth statistical comparisons for the information of Council are based on a population of 106,000, an estimate arrived at by the City Clerk in 1948. There is no doubt that the City's population is considerably in excess of this figure, but as 106,000 is the last official determination, this department has perforce to guage the City's Vital Statistics accordingly.

MARRIAGES

The number of marriages performed was 1812 showing a corresponding rate of 17.1 per thousand population. Comparison with the number and rate shown in the 1948 report notes a decrease in the number of marriages of 56. It has been pointed out that the number of marriages relates closely to economic conditions, employment and so on, in ordinary times, and it will follow that there will be a stabilization of both number and rate in line with these several guages and the increase or otherwise of the City's population.

BIRTHS

The number of births registered throughout the year was 4080 or a corresponding rate of 38.5 per thousand population. These are gross figures and include births to mothers who ordinarily reside outside the city. The net or city figures are 3186 with a rate of 30.1 Both the gross and the net numbers constitute the highest over the last five years, whereas the rates show a little lower in comparison with 1947 when the recording was 4056 gross and 3049 net. This is accounted for by the difference between the population figures taken for computation in 1947 (100,044) and for the current report (106,000). Something of an analysis respecting the birth rate was undertaken in the 1948 annual report, and it is not thought anything further need be added at the present time.

The gross number of births - 4080 - includes 252 illegitimate. This figure is less than 1948 by 23 and represents 6.2% of the gross total of births. There were two sets of illegitimate twins.

The table which follows in this regard, gives an analysis of this social problem and gives much for thoughtful speculation. Reports generally from other centres show increases in this figure from year to year.

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LLLEGITIMATE BIRTHS 1949

	City	Out of town	15	16	17	18	19	20 24	25 30		first child		Previo us mge	Total
Jan	8	12	-	-	1	1	3	8	6	-	16	3	1	19
Feb	9	9	-	1	1	2	-	10	4	-	16	2	-	18
March	15	6	-	1	-	-	4	14	2	-	19	2	2	21
April	16	12	-	-	2	3	1	17	2	3	24	4	2	28
May	17	12	-	3	2	4	6	9	5	-	26	3	2	29
June	16	7	-	-	1	2	3	12	5	-	20	3	2	23
July	14	7	-	-	2	3	3	7	6	-	19	2	2	21
August	14	8	-	1	1	1	4	10	4	1	18	4	3	22
Sept	10	5	-	-	-	-	2	6	5	2	10	5	4	15
Oct	8	7	-	2	1	-	1	9	1	1	11	4	2	15
Nov	11	8	-	1	1	1	1	8	4	3	14	5	3	19
Dec	11	11	-	1	1	1	4	11	4	-	17	5	3	22
Totals	149	103	-	10	13	18	32	121	48	10	210	42	26	252

Total births 4080 Illegitimate 252 or 6.2% 2 sets twins

STILLBIRTHS

The gross number of stillbirths registered was 79, showing a rate of 0.74 per thousand population. The net stillbirth rate is shown as 0.61 with 65 stillbirths born to resident mothers. These figures it will be noted show an increase when compared with 1948. These rates admittedly are low, but the problem presented, reflecting as it does on both the birth rate and the infant death 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 1949 was 1035 showing an actual City death rate of 9.8 per thousand population. It will no doubt be observed that numbers and rates representative of the vital statistics for the City remain relatively static over the years, largely accounted for by the faft that populations of cities in Canada remain static, newcomers being comparatively few. It will be further noted that each year, sixty to seventy per cent and better of deaths recorded, occur amongst the age group of 60 years and upwards, a fact that stresses the sparsity of the population of the Dominion. We deal with the same number of people year by year. The late Lawrence Steinhardt, United States Ambassador to Canada, repeatedly predicted a prosperous future for Canada, providing - he used to add - "We invite more people to come here".

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The set number of deaths occurring during the year 1940 and 10 and 20 an

It is impossible to differentiate between those who resided in the city before death and those who did not, and in the analysis of tables of cause, further remarks in connection with deaths and death rates will of necessity apply to the gross figure only.

The gross number of deaths registered in 1949 was 1329 and the rate

per thousand population 12.5

The first six causes of death were as follows:

Diseases of the heart, arteries, kidne	ys, and		
including apoplexy	598		
Cancer - all forms (malignant)	218		
Violent and accidental deaths	46		
Pneumonia	45		
Diabetes	18		
Tuberculosis - all forms		936	
All other causes	395	393	1329

The number of deaths from the above six causes represents approximately 70 % of the gross total.

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

The number of deaths under this heading show an increase as compared with 1948 of 63. The 1948 figure was 535.

Considerable analysis has been undertaken in previous reports regarding deaths under this classification in an effort to relate influence of the effect of early foci of infection in this primary cause of death. There is little doubting the fact that the early detection of infective processes e.g. in the Infant, Pre-School and School Clinics, with, of course, the introduction of remedial measures, will through time have the effect of materially lessening the number of deaths under this cause, which presently accounts for approximately one death in two.

Cancer - all forms (malignant)

Deaths from cancer numbered 218 in 1949 as compared with 194 in the year 1948, an increase of 24. Generally speaking, deaths from cancer increase in number from year to year but not to the tune that might be expected were it not for the publicity given to the necessity for early diagnosis and the growing public conscienceness of its importance. Early diagnosis and, as a consequence, the early institution of treatment, constitutes the only hope at the moment for the sufferer. Unfortunately in some instances, early diagnosis is not early enough, and this fact, plus the all too frequent tendency for some to hide their condition, fearful lest they learn of the truth of cancer, maintains the cancer death rate at its present high level.

Violet and Accidental Deaths:

Forty-six deaths occurred under this heading during 1949 as compared with 71 during 1948. A decrease of 25 or a reduction of approximately 31%.

To anybody interested or concerned the above noted reduction must be very gratifying and it most surely will if the decrease continues. However, it must not be forgotten that there is no reason whatever why these deaths should have been. Somebody directly or indirectly was responsible in each instance.

The majority of these deaths are closely related to automobile accidents in which carelesshess, thoughtlessness, and out and out foolhardiness, to say nothing of alcohol, too often has entered into the picture.

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Pneumonia.

Deaths under this heading numbered 45 throughout the year, an increase of 12 over 1948. It has been pointed out in previous reports that the number of deaths from pneumonia have markedly decreased over the last few years, due in the main to the discovery of penicillin, streptomycin, aureomycin and the sulfa drugs. We still have to contend with broncho-pneumonia in the aged and in infancy or at a time when resistance is low. There will always be a certain number of deaths from pneumonia.

Diabetes.

Diabetes accounted for 18 deaths during the year, eight more than reported in 1948. There is no doubt that age enters into consideration in the endeavour to give some explanation regarding these deaths. Since the discovery of insulin by Sir Frederick Banting and his associates, the treatment of diabetes has been most efficient, and whereas death was an early outcome of the disease, it is now very possible that a patient with this condition can live the normal span of life with the aid of insulin, It will be noted that the majority of deaths from diabetes occurred in the age group of 60 years and upward, and this fact of itself introduces the question of co-incident or complicating conditions affecting the outcome of the disease itself.

Tuberculosis (all forms).

It can be truthfully stated that tuberculosis is losing ground as a death dealer in such countries in which people have established a degree of racial immunity. This situation has been brought about by the very active measures that have been instituted and that have effected a very hice control. These measures consit of:

- 1 Education
- 2 Clinic and Mursing Service for the early discovery of cases.
- 3 Supervision of home cases
- 4 Provision of hospitals and sanatoria.
- 5 Open air schools.
- 6 Preventoria, where children go who have been exposed to the disease.
- 7 Improvement in housing conditions
- 8 Improvement in habits of personal hygiene and living conditions.
- 9 Ventilation and elimination of dirt in industry.
- 10 Separation of babies from tuberculous mothers at birth.
- 11 Pasteurization of milk.
- 12 Rigid inspection of meat.
- 13 Removal of tuberculous cattle from milk herds.
- 14 Prevention of patients with open lesions from handing food which is consumed raw.

Deaths from tuberculosis occupied a premier place in the first six causes of death some years ago, but now it frequently happens that the deaths are so few that the cause does not appear in the listing.

INFANT MORTALITY

The number of infant deaths registered throughout the year was 116, including deaths of non-residents, and therefore gross. The rate per thousand live births was 28.4. In comparison with 1948 there is a decided decrease both in number (25) and therefore rate (8.4). This is especially gratifying in view of the increased number and rate of births.

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In previous reports it has been pointed out that little if any control can be exercised in regard to such causes as prematurity, congenital debility and malformations, and injuries at birth, and in the current reporting it will be noted that these several causes accounted for 77 of the infant deaths, a high percentage of the 116 that occurred during the year.

MATERNAL MORTALITY

The number of maternal deaths that took place during the year was three, with a rate of 0.7 per thousand live births. The rate is the lowest in the past five years and a record low for the City. The above figure and rate are gross and include the death of one mother who was not a resident of the city. The causes of death as shown in Table. No.8, would seem to, at the moment, defy efforts towards control, introducing as they do, problems that cannot be anticipated during the course of gestation.

COMMUNICABLE DI SEASE

The total number of cases of communicable disease reported during the year was 2582 of which number the minor conditions of chickenpox, rubella, measles and mumps accounted for most of the incidence, in fact 87%.

At the latter end of the year scarlet fever, the incidence of which has been unusually light for the past one or two years, showed a tendency to flare. This was not unexpected in view of the so-called seven yearly cycle for scarlet fever.

The City of Calgary for many years has made it a practice to provide hospitalization in the Isolation Hospital free of charge to its citizens, a practice that has proved its wisdom in the efficiency of communicable disease control. There are two buildings available for hospitalization (the Main and the West buildings) but owing to the difficulty the General Hospital has in providing residence for incoming students, the Hospital Board has seen fit to house the students pro tem in the West Block, eliminating it from the all too frequent necessity of providing hospital care for cases of communicable disease, and increasing the difficulties in exercising control. It is to be hoped that the new General Hospital will materially ease this situation which at the moment constitutes a veritable headache to this department.

QUARANTINE AND DISINFECTION

The work covered by this phase of departmental activity has been satisfactorily discharged throughout the year, although it must be pointed out that the housing problem with its consequent overcrowding adds considerably to the difficulty in limiting the spread of communicable disease. The following table shows the extent of the work in detail.

	Jan	Feb	Mar	Apl	May	Jun	ЛІУ	Aug	Sep	Oct	Nov	Dec	Total
Houses quarantined	21	1	1	17	19	17	19	4	15	27	39	36	216
Houses released	2	1	1	17	18	18	15	6	17	27	37	36	195
Patients moved to hospital	10	8	25	17	19	13	16	12	20	31	40	45	256
Other calls made	197	178	230	150	183	197	200	89	174	208	118	203	2127

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IMMUNI ZATION

The demandfor the services of this division of the department continues to increase each year and the Immunization Clinic has been very active during 1949. Periodically, reports from the outside in the press and to this department, signal outbreaks of such diseases as diphtheria and smallpox, and this stimulates an immediate demand for immunization on the part of the general public who become alarmed in the knowledge that their children are unprotected. This is a commendable reaction but it should not be left until danger lurks. All children should be protected against smallpox, diphtheria, whooping cough and such other diseases for which we have known and proved immunizing measures.

	Jan	Feb	Mar	Apl	, May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Total
Inoculations	534	4500	3247	1229	856	814	623	716	810	708	906	644	15587
Swabs taken		_	_	-	-	-	-	-	_	-	-	-	-
Vaccinations	26	31	17	11	122	28	25	66	74	77	50	44	571
Dick Tests	1	-	-	33	10	14	-	-	-	51	29	-	138
Schick Tests	22	136	59	53	14	13	2	20	31	39	57	33	479
Tuberculin Tests	-	_	70	. 55	-	<u> </u>	-	-	65	28	20	-	238
Investigations made	7	1	10	7	14	14	16	7	4	10	9	7	106
Total visits made	62	25	51	50	88	94	78	118	86	82	74	90	898

SANITATION

The effort by the department to maintain a satisfactory sanitary state in the city resolves itself into a formidable task. For some years the department has been impressed to the extent of being appalled with the conditions in which many of our people are living. The housing problem presents both above and below-board considerations and it is most apparent that below-board conditions have never been subjected to any airing. A fair number of people are living in quarters and under conditions that literally begger description. A situationthat it is felt is quite out of hand is to found at the No. 2. Wireless Settlement where the buildings become more ramshackle and shabby every day. The grounds and roadways around the buildings are littered with all manner of refuse and nobody seems to be responsible for keeping clean. Granted some of the tenants are ungovernable in this regard but the whole place is an eye-sore of first order and, it is imagined, something of a shock for visitors to Calgary who are compelled to pass this place, entering as they do on the main road from the West.

The department continues close 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.

At the beginning of the year, Mr. Wallace Pillidge of this department was enabled to take a special three-months course in sanitary science at the school conducted by the United States Public Health Service in Topeka. Kansas. The Dominion Government made a grant in this regard and the City granted leave of absence with pay to Mr. Pillidge for the three months. The curriculum

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The effect the city reselves itself that a ferminable test. For some years the tast the tast the city reselves itself that a ferminable test. For some years the matitions in which has been impressed to the extent of pelas appoint the the series of this has a which has a summand accelerations and it is not appoint it be also appoint the best being the best appoint the best been subjected to any atrias. A fair tablet of people are itsian have never been subjected to any atrias. A fair subject of people are itsian to overtare and under conditions that literally extend the test of the conditions that a locate series are the conditions that the conditions and a to be selected in the first the solid test and conditions become more analyself the plant with all manual of refuse and nobody some to be responsible in this remaind the whole plant of the whole the tast are approverable in this remaind the whole plant of the whole the test to be responsible to the whole plant for visitars to obtain a the way who are compelled to pass this plant.

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At the beginning of the goar, Mr. Wallace Fillidge of this department is enabled to take a special three-course to contrat to contrat in contraty attemps at the

was wide covering and the course most intensive, including as it did every phase of communal and food sanitation. Mr. Pillidge creditably passed the examinations set at the conclusion of the session and there is no doubt that the department, and more especially the sanitary division, will benefit by the introduction of improved measures of procedure and the additional knowledge acquired by this officer.

SANITARY INSPECTION REPORT

	Jan	Feb	Mar	Apl	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Total
Inspections made	1662	1615	1745	1498	1604	1595	1672	1527	1197	1503	1448	1489	18555
Notices issued - written	8	16	20	17	20	18	14	16	9	11	7	7	163
Notices issued - verbal	260	254	303	297	305	257	356	297	206	264	205	113	3122
Complaints received	32	41	45	73	71	51	43	85	49	39	45	37	611
Complaints justified	21	32	33	59	60	39	37	71	35	30	35	32	484
Prosecutions	-	_	-	-	-	_	-	_		_		-	-
Bacteria tests of utensil	s -	3	_	5	2	1	2	3	_	_	-	-	16

Foods condemned: 183 lbs beef, 2500 lbs cabbage, weiners 12 lbs. 100 lbs onions, 50 lbs cherries, and 10 lbs bananas.

MEAT INSPECTION

The work involved in the City's meat inspection service has been satisfactorily and efficiently discharged throughout the year. It is significant in this regard that bovine tuberculosis, undulant fever, and certain parasitic diseases, unually contracted by ingestion of infected or infested meat, are seldom diagnostd, which fact of itself attests the efficient manner in which meat is examined in the City of Calgary.

MEAT INSPECTION REPORT

d cress In Coloney	Jan	Feb	Mar	Apl	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Totals
SUBMITTED Beef	138	127	110	119	140	153	158	142	188	184	277	187	1923
Veal	313	155	251	189	218	257	222	212	274	285	297	268	2941
Hogs	90	98	118	110	110	159	126	75	122	146	181	181	1516
Sheep and lamb	45	22	42	51	24	80	92	75	122	69	33	14	669
CONDEMNED Beef	-	1	-	1	-	-	_	-	-	_	2	-	4
Veal	_ -	1	-	_	1	1	_	-	-	_	_	1	4
Hogs	_	3 4	3	-	_	-	1	-	2	-	_	1	74
Sheep and lamb	1	-	-	-	-	1	-	-	-	-	-	-	2

Portions condemned: 64 beef heads and tongues, 7 beef hearts, 315 beef livers, 6 veal livers, 213 hog heads and tongues, 39 hog hearts, 336 hog livers, and 337 sheep livers.

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The work entailed in this most important phase of departmental activity has been discharged in a very satisfactory manner. The City of Calgary derives its milk and cream supply from approximately 311 farms situated over a wide area in all directions. These farms, in regard to premises, the keeping and housing of the milk herd, the manner in which the milk is produced, cooled and stored until transported to the city, the means of transportation, the water and feed supply, all must be rigidly supervised. In addition, on arrival in the city, the milk must be rigidly checked for the legal butter fat content, cleanliness (sediment) taste and bacteriological safety. All cans, bottles and dairy equipment with which the milk comes in contact, must be checked for sterility. In fact, a most careful scrutiny is exercised all along the line from the cow to the table. The two dairy inspectors are kept extremely busy in their duties year in and year out. It is under stood that the milk distributors in the city have under consideration the provision of an improved cap for milk bottles to facilitate the handling of the bottles and as a further assurance of safety of the milk supply.

MILK AND DAIRY INSPECTION REPORT

Of the 5832 methylene blue reductase tests of producers samples of milk, 73.8 % were grade 1, 10.8% were grade 2, and 15.4% were grade 3.

Of the 5832 sediment tests of producers samples of milk, 95.6% were Good, 1.2% were FAIR and 3.2% were Bad.

Sediment tests were applied to 458 samples of milk taken at random from distributors wagons and all were Good.

The Phosphatase Test was applied to 461 samples of pasteurized milk and all proved that pasteurization had been efficient.

Butter Fat tests were applied to 550 samples of milk taken at random from distributors wagons and the average butter fat content was found to be 3.56% for standard milk, 3.54% for nursery milk, 4.87% for Jersey milk, 3.52% for homogenized milk, and 10.3% for Superior milk.

According to information supplied by The Board of Public Utility Commissioners for The Province of Alberta, who control the economic phase of the milk supply in the several cities of the province, the sales of milk and cream in Calgary during the year 1949 were as follows:

Total sales of milk (all pasteurized - voluntarily) 14,157.954 quarts
Total sales of cream " " 1,381.126 quarts

The daily consumption of milk per capita during 1949 was 0.73 pints. The daily consumption of cream per capita during 1949 was 0.0614 pints.

Details of the work of this branch of the department for the year 1949 are shown in the following table.

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MILK AND DAIRY INSPECTION

A DOMESTIC OF STREET	Jan	Feb	Mar	Apt	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Total
Inspections in country	58	32	61	75	89	114	114	77	83	117	111	63	994
Inspections in city	69	61	79	58	80	98	93	83	90	98	98	108	1015
Complaints received	-	1	2	1	2	1	2	1	1	-	2	1	14
Complaints that were justified	-	-	-	1	2	-	1	1	1	-	1	1	8
Notices issued - written	54	n38	69	28	90	230	153	114	98	72	89	69	1104
Notices issued - verbal	19	23	47	22	75	185	94	78	76	80	61	92	782
Licenses suspended	-	4	2	1	-	6	-	3	4	_	-	1	21
Permits issued: Dairymen	264	2	5	-	15	4	6	1	4	5	2	-	308
" " Distributors	4	_	-	-	-	-	-	-	-	_	_	-	4
" Cowkeepers	60	_	-	-	2	-	1	-	-	-	_	_	63
" Pasteurizing Plant	s 5	_	-	-	-		_	-	_	-	-	-	. 5
Producers' Sediment Tests	485	501	490	127	510	510	488	528	543	848	548	554	5832
Producers' Reductase Tests	485	501	490	127	510	510	488	528	543	548	548	554	5832
Producers' Microscopic Tests	-	6	2	-	5	3	6	-	2	4	. 6	3	37
Total Producers' Samples	970	1002	980	254	1025	1020	976	1056	1096	1096	1108	1056	11639
Milk Condemned. 1bs.	-	-	400	-	180	500	240	560	240	-	80	-	2200
Milk Cans Condemned. No.	1	_	_	-	-	1	1	3	2	-	_	-	. 8
Retailers' Sediment Tests	34	34	34	34	42	40	40	40	40	40	40	40	458
Retailers Spec Gravity Tests	34	34	34	34	42	40	40	40	40	40	40	40	458
Retailers' Butter Fat Tests	38	42	42	42	50	48	48	48	48	48	48	48	550
Retailers' Phosphatase Tests	34	34	34	34	42	40	40	40	40	43	40	40	461
Total Retailers' Samples	41	48	60	42	50	48	48	48	52	51	. 56	54	598
Bacteriological Tests	3	6	40	-	74	9	_	10	4	8	8	6	168
Total Milk and Cream Samples	1011	1050	1020	296	1099	1077	1030	1104	1138	1149	1152	1168	12294
Water Samples Taken	-	-	_	_	2	-	1	1	. 2	-	. 2	1	9

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OTHER DEPARTMENTS AND ASSOCIATIONS

A good deal of work has been undertaken for several other departments, notably the Relief, Land, Legal, Police and Transit System. An attempt is made to list below the nature of the work.

Investigations, physical examinations, considerable treatment for Relief Recipients, interviews with doctors re their accounts and the City's ability to pay. Investigations for the Land and Legal Departments. Examination and treatment of prisoners in the Police Cells. Marcotic drug control. (Police Dept) Opinion re Medico-legal matters. (Police Dept) Physical examination of all applicants for positions with the Transit System. Other examinations in regard to sick leave. Passing on the physical condition of entrants to the Pension Fund. Examination of those applying for pension, not having reached pensionable age and suffering from some disability. Consultation service for the private practioners in regard to diagnosis of cases of communicable disease. First Aid Treatment for those injured at work - all departments. First Aid and other treatment for children injured whilst at school, in the absence of School Medical Officers from the department.

The above list entails a good deal of extra work, much of it outside of office hours. Official working hours mean literally nothing.

EDUCATIONAL

The department is stepping up its program in this regard and we are putting forward every effort to stimulate and further conscionsness of the values that accrue from introducing measures designed in fostering and maintaining a healthy community.

A considerable amount of literature covering most health phases and considerations is distributed and we take every opportunity to give health talks to organized and other groups. It will be appreciated that most of this work is in the hands of the Medical Officers and the Mursing Staff.

Since the end of the year a projector and screen has been made available to the department from the grant given to the Province by the Dominion Government for the expansion and improvement of general public health purposes. It is felt that this provision will materially enhance our educational program.

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CONCLUSION

The Health Department deeply appreciates the constructive help, kindly advice and guidance given throughout the year by the following:

His Worship The Mayor, Commiss ioner and Members of the City Council

The Provincial Department of Health

The Members of the Calgary School Board and 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 (Kinsmen's Club)

The Metropolitan Life Insurance Company.

The Victorian Order of Murses.

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 City Service with whom we have been associated in the conduct of City affairs.

The Medical Officer again wishes to take the opportunity to offer his greatful thanks to the entire staff of the Department. The manner in which each and every member has performed his or her work is little short of remarkable, and the spirit of loyalty and cooperation that has always obtained can only be personally appreciated.

Respectfully submitted.

W. H. HILL. M.D. C.M. D.P.H.

Medical Officer of Health. City of Calgary. Alberta.

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VITAL STATISTICS REPORT

Population as shown by Dominion Government Census of June 1946 was 100,044 Population as estimated by enumeration in June 1948 was 106,000

Live births 4080 Rate per 1,000 population 38.5 Stillbirths 79 Rate per 1,000 live births 0.74 Included in above were 894 non-resident births and 14 non-resident stillbirths.

TABLE. No. 1

LIVE BIRTHS. 1945-1949

Year	Population	No.including non-resident	Rate per 1,000 pppulation	No. Residents only	Rate per 1,000 population
1949	106,000	4080	38.5	3186	30.1
1948	100,044	3835	38.3	2956	29.5
1957	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

TABLE. No.2

STILLBIRTHS, 1945-1949

Year	Population	No.including non-residents	Rate per 1,000 population	No. Residents only	Rate per 1,000 population
1949	106.000	79	0.74	65	0.61
1948	100,044	77	0.77	54	0.54
1.947	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

MARRIAGES_

Number performed in 1949 was 1812 Rate per 1,000 population 17.1

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0.61	65	44.0	25	106.000	1949
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		85.0	77	101,30	1946
14.0	99	0.55		97,247	1945

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France performed in 1939 was 1812 het 1.000 population 19.1

DEATHS

From all causes a total of 1329 deaths were reported, being a rate of 12.5 per thousand population, including 294 deaths of non-residents.

MORTALITY RATE (exclusive of stillbirths) 1945-1949

Year	No. Deaths includ- ing Non-Residents		No. Residents only	Rate per 1,000 population
1949	1329	12.5	1035	9.8
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

TABLE. No. 4

CHIEF CAUSES OF DEATH, 1947, 1948 and 1949 (total number including non-residents)

Abridged	International	Number	of d	eaths	Rate	per 10	00,000
List Num	ber Cause	1949	1948	1947	1949	1948	1947
25, 33 22 & 24	Diseases of the heart, arteries, and kidneys, including apoplexy.	598	535	492	564.1	534.7	491.8
15	Cancer - all forms	218	194	206	205.7	193.9	206.0
27	Pneumonia	45	33	37	42.4	33.0	37.0
42	Violent and accidental deaths	46	71	53	43.4	70.9	53.0
10 & 11	Tuberculosis - all forms	6	8	12	5.7	7.9	12.0
18	Diabetes	18	10	10	17.0	9.9	10.0
8	Influenza	3	3	3	2.8	2.9	3.0
1,2,3,4 5,6 & 7	Communicable diseases (other than tuberculosis, pneumonia and influenza)	1	5	2	0.9	4.9	2.0
	All other causes	394	435	385	371.6	434.8	384.8
	Totals:	1329	1294	1200			

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The Infant Mortality Rate for the municipality, including deaths of non-residents, is presented in the following tables for the year 1949 and the preceding four years.

TABLE. No. 5

DEATHS OF INFAMTS IN THE FIRST YEAR OF LIFE 1945-1949 (total number, including non-residents)

	1949	1948	1947	1946	1945
Number of infant deaths	116	141	126	151	122
Rate per 1,000 live births	28.4	36.8	31.0	43.8	40.7

Number of deaths of non-residents included in above: 1949 - 35, 1948 - 31, 1947 - 25, 1946 - 52, and 1945 - 38

TABLE. No. 6

INFANT MORTALITY RATE BY CAUSES OF DEATHS 1945-1949

Causes of deaths	1949	1948	1947	1946	1945
1 Diarrhoea and enteritis	3	5	9	13	11
2 Pneumonia and influenza	10	17	11	14	13
3 Prematurity	47	47	50	43	53
4 Congenital debility and malformations	15	20	34	41	22
5 Injuries at birth	15	19	8	11	12
Acute communicable diseases (whooping cough diphtheria, measles, scarlet fever etc)	_	5	1	_	_
7 Other causes	26	28	13	29	11_

Of the 116 infant deaths registered this year, 39 occurred within the first twenty-four hours, 33 within the first week, and 13 died under the age of one month, representing 73.3 per cent of the total number.

MATERNAL DEATHS

The number of deaths of mother from puerperal causes was three. There was one death of a non-resident. The rate for the municipality is 0.73 per 1,000 live births

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TABLE. No. 7

MATERNAL MORTALITY. (including non-residents) 1945-1949

Year	Live Births	Number of maternal deaths	Rate per 1,000 live births
1949	4080	3	0.7
1948	3835	5	1.3
1947	4056	3	0.98
1946	3451	6	1.8
1945	2997	6	2.0

Number of non-residents included in above:

1949 - 1, 1948 - 0, 1947 - 0, 1946 - 3 and 1945 - 2

TABLE. No. 8

CAUSES OF MATERNAL DEATHS 1949

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

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

TABLE. No. 9

COMMUNICABLE DISEASES (residents only) REPORTED CASES AND DEATHS FROM COMMUNICABLE DISEASES 1949

Saletas Sana Paula	Cases		0-4 years		5-14 years		15 & over		Totals	
Partoseis William	М	F	Cases	dth's	Cases	Dth's	Cases	Dth's	Cases	Dth's
Cer.Spinal Meningitis	-	-	-	-	-	-	-	-	-	-
Chickenpox	201	176	89	-	270	-	18	-	377	-
Diphtheria	-	-	-	-	-	_	_	_	-	-
German Measles (Rubella)	59	90	13	-	133	-	3	-	149	-
Influenza	-	-	-	-	-	-	-	3	-	3
Measles	873	790	384	-	1221	-	58	1	1663	1
Mumps	32	25	11	-	36	-	10	-	57	-
Paratiphoid Fever	-	-	-	-	-	-	-	-	_	_
Pneumonia (all forms)	-	-	-	10	-	2	-	22	-	34
Ant. Poliomyelitis	3	9	-	-	4	1	8	1	12	2
Puerperal Septicaemia	-	-	-	-	-	-	-	-	-	
Scarlet Fever	124	128	61	-	173	-	18	_	252	-
Septic Sore Throat	-	-	-	-	-	-	-	<u> </u>	-	-
Smallpox		_	-	_	_	-	-	-	-	-
Tuberculosis (all forms)	25	30	5	-	1	_	49	2	55	2
Typhoid Fever	-	-	-	-		-	_	-	-	-
Tetanus	1	_	-	-	-	-	1	-	1	-
Undulant Fever	_	-	_	-	_	-	_	-	-	-
Whooping Cough	8	8	6	-	10	-	-		16	
TOTALS	1326	1256	569	10	1843	3	165	29	2582	42

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TOTAL	1328-	lag zi	695	01	G (M	6 1 5		62		54
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Quantity distribu- Number of persons ted by Health Dept given complete (enough for) treatment by the Health Department 5241 3360 Smallpox Vaccine 4300 571 Scarlet Fever Toxin 622 68 Pertussis Vaccine 1384 854 Combined Pertussis & Diphtheria Toxoid 1665 18

TABLE. No. 10

Diphtheria Toxoid

Anti-Measles Serum

REPORTED CASES AND DEATHS FROM TUBERCULOSIS 1945-1949

417

Year	Cases	Number of deaths in city	Number of deaths in Sanitoria	Total deaths	Rate per 100,000 population				
1949	55	6	5	11	10.4				
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				

TABLE. No. 11

REPORTED CASES AND DEATHS FROM SCARLET FEVER DIPHTHERIA, WHOOPING COUGH, and MEASLES 1947-1949

anti-dealer		Cases			Deaths		Mortality rate per 100,000 population			
The helper res	1949	1948	1947	1949	1948	1947	1949	1948	1947	
Scarlet Fever	252	63	46	_	_	-	_		_	
Diphtheria	-	-	-	-	_	_	-	-	_	
Whooping Cough	16	352	90	-	5	1	-	4.9	1.0	
Measles	1663	43	1368	1	-	1	0.9	-	1.0	

There were no non-resident deaths from the above diseases in 1949

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TABLE. No. 12

REPORTED CASES AND DEATHS FROM TYPHOID FEVER 1945-1949

Year	Cases Residents only	Number of deaths including deaths of non-residents	Rate per 100,000 population, includ- ing non-residents
1949	-	-	- (30.000 0)
1948	1	-	-
1947	2	-	-
1946	-	-	-
1945	1		-

SERA AND VACCINE DISTRIBUTED FOR USE IN CALGARY

Diphtheria Antitoxin, syringe packages, 20,000 units	5
" " 5,000 "	6
" " 1,000 "	2
Scarlet Fever Antitoxin, syringe packages, 9,000 units	205
" " 3,000 "	86
Diphtheria Toxoid packages for one person	1965
" six persons	80
" twelve persons	233
Material for the Dick West	73
Material for the Schick Test	109
Scarlet Fever Toxin, packages for one person	622
Smallpox Vaccine, number of capilliary tubes	4300
Typhoid and Paratyphoid Vaccine. 10 cc vials	57
" packages for one person	46
Pertussis Vaccine, packages for one person	1384
Combined Pertussis Vaccine and Diphtheria Toxoid,	
packages for one person	1665
Gas Gangrene Antitoxim, 4,000 units in vials	55
Tetanus Antitoxin, 1,500 units in syringes	160
" 10,000 " "	5
Staphylococcus Toxoid, 2 cc vials	22
Anti-Measles Serum. 5 cc vials	417

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.

Effective 1st April 1949 all this material supplied free of charge by Provincial Department of Edalth. Edmonton.

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CAUSES OF DEATHS

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

International Cause of death List Number.	Number of deaths in- cluding non residents	residents
1 Paratyphoid Fever		-
2 Smallpox		-
4 Measles 5 Scarlet Fever		1
6 Whooping Cough		-
7 Diphtheria		
8 Influenza		3
10 Tuberculosis of the Respiratory System		1
11 Other forms of Tuberculosis		1
12 Syphilis		7
14 Other infections and parasitic diseases		5
15 Cancer and other malignant tumors		161
16 Non-malignant tumors 17 Chronic Rheumatism and Gout		4
18 Diabetes Mellitus		13
19 Alcoholism (acute and chronic)		1
20 Other general diseases and chronic poisonings		16
21 Progressive Locomotor Ataxia and General Paralysis of Insa		-
22 Cerebral Hemorrhage, Cerebral Embolism and Thrombosis		30
23 Other diseases of nervous system and organs of special sen		10
24 Diseases of the Heart		261
25 Other diseases of the Circulatory System		201
26 Bronchitis		?
27 Pneumonia	45	34
28 Other diseases of Respiratory System 'tuberculesis excepte		13
29 Diarrhoea and Enteritis	•	5
30 Appendicitis 31 Diseases of the Liver and Biliary Passages	9	8
32 Other diseases of the Digestive System	48	37
33 Nephritis		30
34 Other diseases of the Genito-Urinary System		11
35 Puerperal Septicaemia		-
36 Other diseases of Pregnancy, Childbirth and Puerperal Stat		2
37 Diseases of the Skin, Bones and Organs of Locomotion		1
38 General Debility and Malformations, premature birth etc,		65
39 Senility 40 Suicide		49
40 Suicide 41 Homicide		3 4
42 Violent and Accidental Deaths (suicide and homicide except		35
43 Cause of death not specified or ill-defined		13
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CAUSES OF DEATH BY AGE AND SEX (gross) 1949

	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	19	8	-	4	1	3	4	8	7	27
2 Cancer and other Tumors	126	96	-	1	1	-	17	50	153	222
Rheumatism and diseases of 3 Nutrition and General Diseases	14	14	_	_	_	_	2	7	19	28
Diseases of the blood and blood-forming organs	10	7	_	_	3	1	1	5	7	17
Chronic poisonings and 5 intoxications	1	1	_	1	_	_	_	1	_	2
Diseases of the nervous system 6 and organs of special sense	23	28	_	2	1	_	.3.	11	34	51
7 Diseases of the circulatory system	326	233	-	-	-	-	14	102	443	559
8 Diseases of the respiratory system	53	19	2	8	4	2	2	11	43	72
9 Diseases of the digestive system	44	24	-	7	_	1	.5	18	37	68
10 Diseases of Genito-Urinary system	33	22	-	-	-	2	6	5	42	55
Diseases of pregnancy, childbirth and of the puerperal state	_	3	_	_	_	-	3	_	_	3
Diseases of the skin and 12 cellular tissue	-	_	-	_	_	-	-	_	_	_
Diseases of the bones and of the 13 organs of locomotion	_	1	-	_	-	_	_	1	_	1
14 Congenital malformations	12	2	3	10	1	_	-	-	-	14
15 Diseases of early infancy	46	28	34	40	-	_	_			74
16 Senility	26	37	-	-	-	-		-	63	63
17 Violent and accidental deaths	37	18	-	2	4	5	14	9	21	55
18 Ill-defined causes of death	11	7	-	2	-	1	3	7	5	18
TOTALS	781	548	39	77	15	15	74	235	874	1.329

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COMMUNICABLE DI SEASES REPORTED 1949

	Jan	Feb	Mar	Apl	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec	Totals
Chickenpox	129	48	45	31	23	28	9	6	5	18	18	17	377
Diphtheria	-	_	-	-	-	-	-	-	_	-	-	_	-
Erysipelas	-	_	-	-	_	-	-	_	-	_	-	-	_
Measles	126	162	249	213	505	287	50	42	5	7	10	7	1663
Meningitis (Meningococcic)	_	_	_	-	_	-	-	_	-	_	-	_	_
Mumps	14	6	4	3	7	-	1	3	1	2	9	7	57
Paratyphoid Fever	-	_	-	-	_	-	-	-	-	_	-	-	_
Ant. Paliomyelitis	-	-	-	-	-	-	1	4	4	2	1	-	12
Rubella (German Measles)	1	1	28	27	14	15	29	11	1	5	8	9	149
Scarlet Fever	14	8	26	16	19	14	15	9	16	29	41	45	252
Smallpox	-	_	-	_	-	-	-	_	-	-	-	_	_
Pul. Tuberculosis	1	3	1	5	5	11	5	6	4	4	5	5	55
Tetanus	-	_	_	-	-	-	-	-	1	-	-	_	1
Typhoid Fever	-	-	-	-	-	-	-	_	-	-	-	-	_
Undulant Fever	-	-	-	-	-	-	-	-	-	-	-	-	_
Whooping Cough	-	3	-	1	1	1	4	2	1	1	2	-	16
TOTALS	285	231	353	296	574	356	114	83	38	68	94	90	2582

Not included in the above are the following cases brought into Calgary from outof-town for treatment in Calgary Hospitals:

Scarlet Fever	27	Poliomyelitis 16	5
Chickenpox	1	Measles	L

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

Dear Sir:

The following is a report of the work done in the schools of the City by the School Medical Service during the year 1949 submitted for your information.

PHYSICIANS

Number of cl	hildren examin		8,063
Number of cl	hildren found	not vaccinated	2,642
Number of cl	hildren found	not toxoided	1,318

Defects noted by the physicians conducting the school examinations are summarized in the following table.

Defect	Number	Percentage of total examined
Anaemia	42	.5%
Cardiac	50	.6%
Pulmonary	33	.4%
Abdominal	2	.02%
Hernia	15	.2%
Genitalia	13	.2%
Orthopaedic	239	3.0%
Nervous system	3	.02%
Tonsils and adenoids	825	10.2%
Eyes	. 311	3.9%
Ears	107	1.3%
Mental	14	. 2%
Speech	13	. 2%
Dental	1,030	12.8%
Endocrine	49	. 6%
Others	7	.1%

The number of parents to whom invitations were extended to be present at their child's medical examination was 1,952. Out of this number, 1,628 parents actually attended the examination and were able to discuss with the physicians any points arising out of the examination. This represents 83% of parents at least interested and available to attend the medical examination. This figure is considered highly satisfactory.

A total of 1,878 school children were found to have physical defects. 4,936 children were judged to be normal.

There were 467 children examined in the schools who were given notes advising consultation with their family physicians.

At the afternoon clinics held in the City Hall for special referrals amongst school children a total of 2,197 children consulted the physicians. Following this examination 294 were referred to the family physician for further treatment.

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and measured 13,676	Number of children weighed	1000	Total home visits made	2,311
	and measured	13,676		
Number of vision tests 9,709	Number of vision tests	9,705		

The following table shows corrective treatment which has been done on school children by physicians in the City during the period September 1st, 1948 - June 30th, 1949.

Operations	
Tonsils and adenoids	374
Appendicectomies	128
Hernia	8
Others	20
Fractures or injuries	207
Orthopaedic conditions	67
Refractions	725
Other eye conditions	87
Ear conditions	100
Skin diseases	202
Anaemia	123
Nutritional disturbances	47
Cardiac investigations	25
Emotional and behaviour problems	75
Others, miscellaneous	
Total	2,226

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Total extractions	3,657	Number found to be O.K.	132
Total fillings	10,086	Dental Inspections	
Bases	3,975	Number inspected	10,069
Prophylaxis and scaling	411	Number requiring treatment	6,942
Miscellaneous	605	Need nothing at present	588
Number of teeth treated	15,650	Defective teeth	
Number of appointments made	10,371	Permanent	10,113
" " kept	9,162	Deciduous	4,978
Extra appointments	451	Number found O.K.	2,539
Refused treatment	37		

It will be observed from these figures that out of the 10,069 pupils inspected, only 2,539 at the time of inspection were considered to be dentally fit. This represents only 25.2%. It is also observed that 88.3% of dental appointments made were kept by the patients. The Dental Department made a very great contribution during the year to the ever present task of attaining positive health for the school population. The quality of the work done throughout the year maintained its excellent high standard.

The rising numbers in the school population during 1949 made it necessary to further increase the school nursing staff. Miss Moore, formerly with the School Health Service, transferred to the Infant Welfare Department. Her place was taken by Miss H.M. Smith whose appointment was effective 1st September. Miss M.C. Hulbert and Miss A.R. Lewis, both of Calgary, commenced duty with the Department on 1st October 1949, thus bringing the nursing staff to a total of twelve. The provision of a car for the Supervisor of Nurses, Miss Deane-Freeman, in November, has greatly facilitated her work. The car is also used by the school nurses for home visiting.

The school attached to Currie Barracks is now served full time by a Public Health Nurse from the army. This change over from Health Department supervision to army staffing became effective in February.

The audiometer survey conducted by Mrs. Clarke, embraces all children in Grade IV. The audiometer in use is the one provided by the Kinsmen Club.

Multiple vitamin tablets were again secured and distributed at cost price throughout the schools. Parents, on the whole, are very willing to avail themselves of this popular dietary supplement. A total of 456 half pints of milk were issued free to undernourished school children.

Dr. M.H. West who had been associated with the Infant Clinic and the School Health Service on a temporary basis, concluded her work on 31st December.

The success of the work mentioned in this report is largely attributable to the high spirit of co-operation existing between all staff members.

Respectfully submitted,

LESLIE C. ALLAN, M.B. Ch.B., D.P.H., Assistant Medical Officer of Health.

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

Dear Sir:

The following is a report of the activities of the Infant and Pre-School Clinic for the year 1949.

Attendance: Infants 9.026 Pre-School 3.028 Total 12.054

210 cases were from outside the City. These do not have the services of the doctors.

1,147 complete physical examinations were given to children between the ages of three and four years. Of these 659 were found to be 0.K.
183 didnot keep appointments for these examinations.

New cases: Infants 1.711 Pfe-School 630. Total 2,341

This is a record year in the attendance at the clinic since its inception, and was 547 over any previous year.

Auxiliary Clinics: In March a branch clinic was commenced at the School for Nursing Aides in the North-West part of the City. The nursing aides were given instruction in assisting, in exchange for the use of two rooms. One Public Health Murse from the Infant Clinic, one Public Health Murse from the Immunization Clinic and one doctor, attend every two weeks. Attendance since opening has been 591. This figure is included in the main report.

In January the R.C.A.M.C sent a Public Health Nurse to work in the Health Department for one month to observe our methods. In May an Infant and Pre-School Clinic was started at Currie Barracks with their doctor and nurse in attendance, meeting once each week. The attendance has been 304 which is included in main report.

Present enrollment at all clinics is Infants 2,671 Pre-School 7,300 Total 9,971 1,706 were transferred from Infant to Pre-School Clinic and 1,769 were discharged for school.

The number interviewed by doctors was 3,559 and by nurses 8,563

Visits:	To homes	6,740	Private Hospital Inspections	60
	Investigations re	e Insulin 14	Relief investigations	1
	Other visits	147	Total visits made	6,962

Feedings: Breast 1,433 Bottle 3,785 Others 3,808

D.C1 - C 2.			
Defects found:			(00
Nose and throat	448	Teeth	688
Skin	213	Phimosis	110
Eyes	168	Ears	93
Nutrition	23	Hernia	132
Intestinal	50	Orthopedic	184
Chest	85	Mentally deficient	5
Congenital malformations	7		

Communicable diseases found at Measles Rubella (German Measles) Mumps	clinic: 4 2 1	Chickenpox Whooping Cough	
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Sixty seven children found with defects were referred to their family physicians.

Dental cases treated were 893. Dental appointments not kept were 93

Eye, Ear, Mose and Throat Specialist:

Operations: Tonsils and Adenoids 73 Refractions for glasses 31

Treatments of the eyes 887 Treatments of the ears 387

Treatments of the nose and throat 237 Individual cases treated 302

Student From the Calgary General Hospital

" " " 38 for half a day each
Holy Cross Hospital 3 for one day each
University Hospital Edmonton
R. C. A. M. C. Currie Bks.
School for Mursing Aides 170 for half a day each

Donations: We are indebted to the Good Cheer Club, the Friendship Knitting Club, and many private individuals for donations of clothing and other supplies.

Various firms have donated generous supplies of cod liver oil and other preparations for infants.

During the year a total of 9,567 letters were sent out in connection with the work of the Infant and Pre-School Clinic.

Outside

Two nurses took part in a Child Welfare Institute sponsored by Organizations: the Council of Social Agencies.

One nurse spoke to the senior class at the Calgary General Hosp.

One nurse spoke on the work of the clinics over Radio C.F.C.N.

One nurse addressed a meeting of the Girl Guides.

Staff Changes:

In August, Miss Isobel Reesor left on leave of absence to take a post-graduate course at Columbia University, New York, under the Federal Government Grants scheme for education of personnel. Her position is being filled by Miss F. M. Moore who was transferred from the School Mursing Division.

In October, Miss Edith McLean resigned in order to be married. Her position has been filled by Miss V. J. Polley, a Public Health Murse, formerly with the Provincial Department of Health.

At the end of December, Dr. W. H. West left and her work has been taken over by Dr. L. C. Allan, D.P.H, recently appointed Assistant Medical Officer of Health.

Respectfully submitted,

M. F. LAVELL.

Public Health Turse.

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

Dear Sir:

I respectfully submit a report of the work done at the Chest Clinic in the City Hall for the year 1949.

Number of clinics held Number X-Ray'd at General Hosp: Tuberculin tests given in office Tuberlin tests outside office	1391	Number of patients Adults Children Home visits made	examined: 341 	393 632
Office calls	1678	Other calls		258

There was an increase of 333 tuberculin tests given in the office and 621 tests given outside the office as compared with the previous year.

The number of new cases of tuberculosis discovered at this clinic was three "active" and nine "inactive".

NEW EXAMINATIONS			Number	Contacts
3 m.3 3		n+4+ra	3	-
1 Tuberculosis - pulmo		nactive	9	2
2 Suspect - or observe		nactive	21	10
3 Mon-tuberculous disc			28	8
4 No disease	110	33		
5 Incomplate - or not	3	1		
J Incomplate - of not	Journal of		174	54
RE-EXAMINATIONS				
1 Pulmonary tuberculo	sis		86	26
(a) Ex-San able		working	25 2	
,,,		not working		
unab	le to wor	k: working	5	
		not working	-	
(b) Others, ab	le to wor	k; working	42 18	
		not working	10 4	
una	ble to wo	rk: working	6 2	
		not working_	_= _=	
			86 26	
2 Suspect or observat	ion		17 14	
3 Mon-tuberculous dis	ease		28 L	
4 No disease			76 52	2
5 Incomplete or not y	et diagno	sed _	3	
		-	124 7	-
		Total	384	151
Disposition of previous cases:				10
Suspect	14	Definite tuber	culosis	10
No disease	10			
Number of tests and x-rays:			n	1
T.B.Tests: Positive	121	Sputum Tests:	Positive	51
Negative	90		Negative	360
No report	4	Total x-rays		,00

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The Annual Sale of Christmas Seals operated by the Kinsmen's Club, under the direction of Mrs. J. Coggan, has been completed and we are informed that the sum of \$37,510.67 was realized therefrom.

May I take this opportunity on behalf of the Kinsmen's Club and myself, to express our sincere thanks and appreciation of the wonderful cooperation and advice so readily given at all times. I would like also to express our hearty thanks to all members of your staff for their splendid assistance given throughout the year.

Yours very truly,

OLIVE A. CURRIE. R.N.

Murse in charge Chest Clinic. City Hall.

agreed a between the first the day of the form a return to be a few or the contract of? Alternation of the dealers and the last the section of the section is . Talone of beatliful new to. oft. 13 to see Industry the state of the world of the contract of the state of the st - authorization definishes and a format the potential form the property over the two parties a area advises at ania and a lacer I about the remarks after or very exthe restriction of the state of the transfer of the contract o . they are they are Yours year taning CLAVE A. CURALD. A. I. with the street Object Olderde. Older Death.

VICTORIAN ORDER OF NURSES

ANNUAL REPORT for 1949

Dr. W. H. Hill. Medical Officer of Health.

Dear Sir:

This is the 40th Annual Report of the Mursing Activities of the Calgary Branch of the Victorian Order of Murses.

The year 1949 was a year of progress. There are now 108 branches of our organization established in Canada. A total of 127,327 patients were given service in 1949.

In our local branch 3,344 patients were visited, an increase of 180 over 1948. 12,879 visits were made. The increase is found in the medical, surgical and chronically ill group. These patients receive general bedside care, treatments and dressings and administration of hypodermic medication under the direction of the attending physician. This is a time consuming group. Thirty-six per cent of visits were made to these patients. 1680 visits were made to the chronically ill group, an increase of 215 over 1948.

Sixty-one per cent of the total visits were for maternity service. There was only one home confinement during the year. 1040 mothers with new babies were visited. In most cases several demonstration baths were given. Weekly visits are made for six weeks to insure the importance of proper care and continued medical supervision.

Pre-Natal classes were held weekly in the V.O.Y Offices. A total of 42 classes were held and 152 patients were enrolled.

Pre-natal visiting in the homes was restricted due to demands on our staff for other nursing service.

Student affiliation for field experience was provided for eight post-graduate students from the University of Alberta and seven undergraduates from the Calgary General and Holy Cross Hospitals.

Our staff consists of five nurses with three cars at their disposal. Four of our members joined the staff since September last. We are expecting further changes in 1950.

In 1949, 34.9% were full-pay visits, 7.9% were part-pay visits, 4.2% insurance visits, and 48.5% were free visits. A patient is never refused service because of inability to pay. The fee is arranged by the nurse on her visit according to the amount the patients are able to pay.

The following is a statistical review of new cases and visits made:

1110 10210.1	New	Visits	Supervision of Medical and	Surgical.
	Cases	Made	Pneumonia	22
Medical	779	4885	Tuberculosis and other	73
Surgical	97		communicable	175
Pre-natal	222	205	Cancer	
Obstetrical	1043	2236	Chronic	1680
New born	1162	4174	Medical and Surgical	2935
Health supervision	41	1291		
Not seen		88	San annual a	

Respectfully submitted, Helen G. Irving. Murse in charge.

A MANTON O STORY THE STATE OF DELIG. PERSONAL. seel Officer of Health. SCHOOL OF THE STANDARD OF STAN to and stood Section of the ending agreement follows a section of the party of TWENT OF THE SEASON OF THE CONTRACT OF THE PROPERTY OF THE PRO of the second se is the compared the second of the control of the core. ner solution is recommended to the solution of sartog state, sary sakati Othis; algertar, senda, of sare, sare, . PARA TANO PARA DO OROSTORA DE TROTES AIX NI .. cospeta o vestenes seconos o respesión de la compania del compania de la compania de la compania del compania de la compania del la compania de la compania del compania del compania del compania del compania del compania del com aly one, the most speaker asker, describer 1945 - baker etters. par erra togosq-lo: sagaregati ega togosque, togosque togosque de sagaregati erre ena Terliend: A: .psv1/17) ": Q.7 ods:n1; vfrags: high even panelp, letterenta, .boilesse, state, applicate, St. Letterenta, .boilesse, state, applicate, St. Letterenta, .boilesse, state, applicate, St. Letterenta, .boilesse, state, applicate, .co. rece on administrate of the body to the body to a superior of the superior of contact and the street of the contract of the state of th consideration of the present of the standard o . Detrop it release to appearant dispersonant authority to a telego these will nationages english telephotopy bonts lives egg beniet, eredges two to w In 1969, 36.90 were fall-way risits, 7.5% new part-pay risites. 25 insurance wholes, and 45.50 years from wishes. A position as manor referri

The Collowing is a statistical curies of pow cases and wishes raders

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					1949	1948	
HEALTH DEPARTMENT (General		ALO LOO (O	Ann -/2 /a				
Salaries					\$43,432.69	\$39,061.69	
Sera, Vaccine, etc					204.43	203.54	
Disinfectants		139.72	83.18				
Laboratory Charges (1,200.00					
Auto Maintenance and	Allowances				3,703.75		
Sundries					598.75	569.79	
Printing and Station	ery				472.55		
Postage	- and Miales				345.67	494.47	
Transit System Passe Isolation Ambulance		ts			173.50	383.75 94.00	
					305.31		
Milk Inspection Expe		1			892.50		
Milk to Undernourish		Ly					
Meat Inspection Expe	nses				24.01	83.25	
Office Equipment	- h = 7 - \ A = = = =	. 1 Danman			207.20	196.30	
New Equipment (Autom	oblie) Annu	ai Paymen	16		311.54	311.54	
					52 .323.14	48,096.30	
SCHOOL MEDICAL AND DENTAL	SERVICES						
Salaries					56,337.10	44,720.62	
Medical and Dental S	upplies and	Equipmen	nt		2,700.21	2,927.75	
Grasses for Indigent					304.25	268.17	
Milk for Undernouris					2,577.54		
Transit System Passe					572.55	476.68	
Auto Allowances					1,125.00	1,020.00	
Printing and Station	ery				571.70	603.16	
						50.500.50	
INFANT AND PRE-SCHOOL CLIN					64.188.35	52,568.50	
	10				7.718.96	6,818.68	
Salaries (Nurses) Transit System Passes and Tickets					235.40	165.00	
			+: -+				
Services of E.E.N & T Specialist and Dentist					3,440.00	3,735.00 79.83	
Sundries					84.00	84.00	
Auto Allowance (Garage rent for one)				04.00	04.00		
					11,502.12	10,882,51	
SUMMARY						10	
Health Department (General)						48,096.30	
School Medical and Dental Services						52,568.50	
Infant and Pre-School	l Clinic				11.502.12	10,882,51	
				5	128.013.61	\$111.547.31	
Population					106,000	100,044	
Per Capita Expenditu	re				120.7¢	111.4¢	
Tel Capita Expenditure							
EXPENDITURE FOR PAST FIVE YEARS							
	1949	1948		1947	1946	1945	
Total 128					93,563.54	78,453.82	
Per capita	120.7¢	111.4¢		101.7¢			
	C- 2010	#120				013 61	

Amended appropriation for 1949 was \$129,443.50 Expended \$128,013.61 Credit balance for the year 1949 was \$1,429.89

CONTRACTOR OF THE PARTY OF (LEGERATIVE WITH (General) PD。SE4。E4条 98, 100, 955 34,463 beers, Margins, ered St. 865 19. 808; L 09, 995, 4 (१९५: प्राची ११) १० अमार्थि इप 25. QUA: E WARRING TAK MENANGANAN 62.605 The same WANTE THE PER 9 . 5. 11 57.114 38.566 800, Q=15 STABLE HIS SHOPE STATE A 68,068 43,480 N. 100 THE TOTAL PROPERTY AND ASSESSED THE 1.42 1 1 10 11,230 35 CL, SEO, PA Extract which the total Egi on 6 to 5 95. TEE. 95 13, 300, 9 31, 486 31,959,5 Andrews the sufficient fright page Description from the feet to the first to the first to the feet to 11, 808 55.845 1136613 total const 96,751,1 (6)、(4)号。于 97, 179 M. 194.... A TORRALL POR DOLLAR The state of the second 20, 848, 8 98,848,9 83.468 90, 201 90, PES, E 3,140,00 EB. 98 25.68 tess and tess exercity approach the same 99,45 13. 10. 11 MARCH X. encircul (Estadol) temptinged differences AI, ESE, SE CE, AND SE CE, AND SE 21 PRI, HA PARTY TORON - DIS THE THE 24,000,41 10161078211 Portision & ber debite meent that 19,808, tox 18,548,111 fe-E10,801 8, 274, 89 47.03 120.76 111.46 101.78 stigns us I



