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REPORT

of the

Local Board of Health



THE CITY OF EDMONTON
ALBERTA

1955

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BOARD OF HEALTH, 1955

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Ald. Mrs. J. Douglas

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Dr. D. J. McIntyre, Edmonton and District Dental Society

EX-OFFICIO MEMBERS

Mayor W. Hawrelak

Dr. G. M. Little, M.O.H.

Mr. J. D. A. MacDonald, City Engineer

Catharine Rose, Secretary



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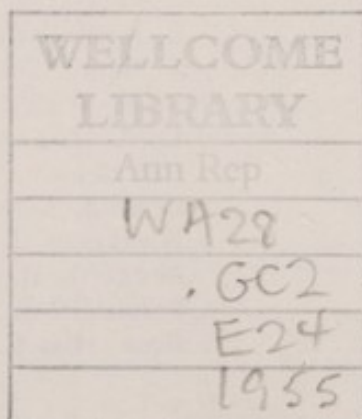
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Asst. Medical Officer of Health.....	G. H. Ball, M.B., Ch.B., D.P.H.
Physician, Chief Pediatrics.....	D. B. Leitch, M.B., F.R.C.P., F.R.C.S.
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Physician, Pediatrics.....	K. Swallow, B.Sc., M.D., R.C.P.S. (C)
Physician, School Health.....	O. B. Bode, M.D., M.R.C.S., L.R.C.P.
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Dental Director, School Health.....	R. A. McCormack, D.D.S.
Dentist, School Health.....	J. Sikora, D.D.S
Dentist, School Health.....	G. N. Waterhouse, D.D.S.
Sr. School Health Nurse.....	Lord, Miss A.
Sr. Nurse, Well Baby Clinic.....	Christensen, Miss S. C.
Sr. Nurse, Inoculation Clinic.....	Griffith, Miss M.
Chief Sanitary Inspector.....	Alexander, L. G., C.S.I., (C)
Milk and Dairy Supervisor.....	Meredith, R. B., C.S.I. (C)
Chief Food Inspector.....	Penniford, K., V.S.
Secretary, Board of Health.....	Rose, Miss C. R.

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Annual Report of the Medical Officer of Health

Chairman and Members
Local Board of Health,
Edmonton, Alberta.

Ladies and Gentlemen:

I have the pleasure of presenting to you the following reports of the various activities of our Board for 1955.

It was a year of expanding services to meet the needs of a population which increased by 11,517 from the previous year. The fall school term found the school population increased by approximately 4,000 children.

We are grateful to the Provincial and Federal Governments for the continuation of public health grants which have been of great assistance in meeting the rapidly increasing demand for public health services.

The Provincial Department of Health, through its various branches, has also been generous in providing us with technical and material assistance.

The general death-rate in our city showed a decrease for the fourth successive year.

Communicable disease incidence was about as anticipated. A limited epidemic of poliomyelitis gave 58 cases with one death. Over 8,800 school children were given their first two doses of poliomyelitis vaccine, and the general reports of this vaccine from across Canada lead us to expect a steady decrease in incidence of this disease.

Four cases of diphtheria during the year serve as a warning that we cannot relax our efforts in providing protection against this treacherous disease.

Both the case-rate and death-rate for tuberculosis showed an increase over the previous year. Skin-testing of all Grade I pupils was instituted, and also X-ray of all new teachers entering the school services, with the assistance of the Tuberculosis Division of the Provincial Health Department. The provincial service, in co-operation with the Alberta Tuberculosis Association, have begun an X-ray survey of the workers in the larger industrial and business institutions of our city. We believe that continuation of these efforts will steadily increase our control of this disease.

The high percentage of school children with decayed teeth continues to be a discouraging condition. A number of cities on our continent have demonstrated the possibility of reducing these defects by nearly two-thirds with fluoridation of community water supplies. In over ten years' experience they have proven this procedure to be free from any suspicion of harmful effect on the human body. There appears to be no intelligent reason for continuing to deny this outstanding protective measure to our children.

Our clinics for immunization, supervision of infants and pre-school children, and dental supervision of school children have accomplished notable

expansion during the year. Unfortunately the new Woodcroft Health Clinic, housing branches of all these services, could not be completed in 1955. However, it will provide a welcome relief to the congestion of our other clinics during 1956.

A further service was instituted in the group-testing of the hearing of Grade IV pupils by audiometer, and two additional grades were included in the dental examinations. The school administrators have given us every co-operation in the organizing of school health services.

Rapid expansion of our city has led to increasing demands upon our services for sanitary supervision of milk, meat, other foodstuffs, housing and general conditions.

The advisory committee, appointed by the Edmonton and District Dental Association, on request from our Board, has been generous with time and advice in planning improvement to our dental services.

Finally, we are happy to acknowledge the strong support and understanding of the Board members, and of the Civic Administration, in our efforts to meet the rapidly increasing public health requirements of our city.

Respectfully submitted,

G. M. LITTLE,
Medical Health Officer.

EXPENDITURES 1955

Salaries	\$201,472.00
Furniture and office machines	9,420.00
Printing and postage	3,001.00
Medical supplies, etc.	2,962.00
Telephones, advertising, uniforms, etc.	2,976.00
Pensions and Insurances	12,567.00
Transportation	10,282.00
Miscellaneous	1,310.00
	<u>\$243,990.00</u>

Cost Per Capita—\$1.16

REVENUE:

Permits, meat inspection	\$ 3,828.00
License Department	1,500.00
Federal and Provincial Grants	76,910.00
	<u>82,238.00</u>

Net Expenditure...\$161,752.00

CLASSIFICATION OF EXPENDITURE 1955

	Administration	Communicable Disease Control	Milk and Dairy Control	Food and Meat Control	Well Baby Clinics	Sanitation	Vital Statistics	School Health Services	Bath House	Total Expenditure
Salaries	\$14,678	\$19,537	\$10,544	\$5,979	\$21,575	\$34,445	\$1,097	\$ 93,610	\$ 7	\$201,472
Furn. & Office Machines	126	1,162	—	—	1,300	—	—	6,382	—	9,420
Medical Supplies, etc.	66	380	48	—	58	50	—	2,399	—	3,001
Printing and Postage	1,357	195	—	5	568	79	13	745	—	2,962
Utilities, Telephones	301	198	59	13	210	76	—	220	—	1,077
Travelling Expenses	350	—	—	—	—	—	—	—	—	350
Advertising	106	—	—	—	—	—	—	—	—	106
Uniforms	—	220	—	—	120	139	—	32	—	511
Transportation	480	452	1,530	300	1,812	2,861	—	2,847	—	10,282
Pensions and Insurances	8,002	—	—	—	—	—	—	4,565	—	12,567
Eye Glasses and Milk	—	—	—	—	—	—	—	932	—	932
Miscellaneous	125	335	16	98	279	30	—	406	21	1,310
	<u>\$25,591</u>	<u>\$22,479</u>	<u>\$12,197</u>	<u>\$6,395</u>	<u>\$25,922</u>	<u>\$37,680</u>	<u>\$1,110</u>	<u>\$112,588</u>	<u>\$28</u>	<u>\$243,990</u>
	10.4%	9.4%	5.0%	2.6%	10.4%	15.4%	.4%	46.1%	.001	100%

SUMMARY OF STATISTICS

Area of City—43.35 sq. miles

	1955	1954	1953	1952	1951
Population	209,353	197,836	183,411	169,196	158,912
Persons per acre of land	7.3	7.0	6.8	6.3	5.9
Cost per capita.....	1.16	1.09	1.11	.88	.55
School enrolment	39,065	35,585	31,578	28,094	24,904
Natural increase of population	5,861	5,730	5,077	4,482	3,922
Births					
Total births	10,420	10,061	9,194	8,309	7,459
Resident births only	7,302	7,091	6,377	5,748	5,055
Resident rate per 1,000 population.....	34.8	35.2	34.7	33.3	31.1
Stillbirths					
Total stillbirths	154	127	150	141	115
Resident stillbirths only	101	84	95	97	79
Resident stillbirths rate per 1,000 living births	13.8	11.8	14.8	16.8	15.5
Deaths					
Total deaths	2,005	1,394	1,954	2,064	1,682
Resident deaths only	1,441	1,361	1,300	1,266	1,133
Resident rate per 1,000 population.....	6.8	6.9	7.0	7.4	7.1
Infant Mortality					
Total deaths under 1 year of age	237	223	218	228	183
Resident deaths under 1 year of age.....	163	143	145	154	117
Resident rate per 1,000 living births.....	22.3	20.1	22.7	26.9	23.1
Maternal Mortality					
Maternal deaths (resident only)	3	0	2	0	1
Rate per 1,000 living births.....	.04	0	.31	0	.19
Marriages					
Marriages	2,985	2,996	2,997	2,818	2,722
Rate per 1,000 population	14.2	15.1	16.3	16.6	17.7

VITAL STATISTICS

Births	1955	1954	1953	1952	1951
Total Births	10,420	10,061	9,194	8,309	7,459
Resident Births Only	7,302	7,091	6,377	5,748	5,055
Male	3,767	3,664	3,288	3,023	2,581
Female	3,533	3,427	3,089	2,725	2,474
Double Births					
(residents only)	79	66	61	51	52
Triple Births					
(residents only)	4	1	—	2	—
Resident					
Illegitimate Births	354	312	284	211	198
Total Illegitimate Births....	556	505	477	386	394
Born in Institutions					
(Residents)	7,301	7,088	6,375	5,744	5,051
Maternal Parentage:					
Canada	5,803	5,709	5,321	4,860	4,475
British Isles	384	399	328	325	223
Europe and Asia	962	827	581	424	250
U. S. A.	124	121	126	121	92
Other Countries	29	35	21	17	15

RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND ORDER OF BIRTH 1955

	-20	20-24	25-29	30-34	35-39	40-44	Over 45	Total Number	%
1st Child	414	1,174	631	229	68	11	1	2,528	34.63
2nd Child	84	765	781	383	113	12	—	2,138	29.28
3rd Child	8	269	512	435	161	25	1	1,411	19.33
4th Child	2	72	194	241	134	34	1	678	9.28
5th Child	—	15	81	110	77	28	2	313	4.28
6th Child	—	1	23	45	35	14	1	119	1.64
7th Child	—	—	8	20	21	10	1	60	.83
8th Child	—	—	2	10	13	7	—	32	.43
9th Child	—	—	1	7	4	3	—	15	.20
10th Child and over	—	—	—	2	3	3	—	8	.10
	508	2,296	2,233	1,482	629	147	7	7,302	100.00

	1955	1954	1953	1952	1951
Stillbirths					
Total Stillbirths	154	127	157	141	115
Resident Stillbirths Only	101	84	100	97	79
Male	51	40	61	37	35
Female	50	44	39	60	44
Born in Institutions	101	84	100	97	79
Cause of Foetal Deaths:					
Dystocia	40	37	46	42	28
Prematurity	11	6	7	7	5
Toxaemia of Pregnancy	8	3	8	4	4
Syphilis	—	—	—	2	1
Malformation	19	9	19	17	—
Placenta and Membranes	6	14	5	13	10
Traumatism, Overwork	—	—	—	—	1
Other Conditions	17	15	15	15	29

	1955	1954	1953	1952	1951
Deaths					
Total Deaths	2,005	1,994	1,954	2,064	1,682
Resident Deaths Only	1,441	1,361	1,300	1,266	1,133
Male	873	862	813	793	675
Female	568	499	487	473	458
Resident Rate per 1,000 population	6.8	6.9	7.0	7.4	7.1
Racial Origin:					
Canada	551	515	460	441	481
British Isles	423	426	410	398	361
Europe and Asia	318	289	271	271	210
U. S. A.	100	71	86	75	73
Others	49	60	73	81	108

	1955	1954	1953	1952	1951
Infant Mortality					
Total deaths under 1 year of age..	237	223	218	228	183
Resident deaths under 1 yr. of age	163	143	145	154	117
Male	91	80	82	93	72
Female	72	63	63	61	45
Legitimate	150	133	131	140	100
Infant mortality rate per 1,000 living births	22.3	20.1	22.7	26.9	23.1
Racial Origin:					
Canada	135	114	128	134	100
British Isles	7	7	6	5	8
Europe and Asia	16	15	10	10	3
U. S. A.	—	4	1	1	4
Others	5	3	—	4	2

756	Congenital Malformations of digestive system	7	4	3	1	3	1	1	1	1	1	1	1	1	2	3	2	2								
757	Congenital Malformations of genito-urinary system	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2								
759	Other and unspecified congenital Malformations	4	3	1	1	1	1	1	1	1	1	1	1	1	2	3	1	3								
760	Intracranial and spinal injury at birth	9	7	2	1	1	1	1	1	1	3	1	1	7	1	8	1	8								
761	Ohter birth injury	4	4	1	1	2	1	1	1	1	1	1	1	4	4	4	1	4								
762	Postnatal asphyxia and atelectasis	15	10	5	2	2	1	2	3	1	1	1	1	3	8	6	14	1								
763	Pneumonia of newborn	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2								
764	Diarrhoea of newborn	3	2	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3								
767	Umbilical Sepsis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
769	Neonatal disorders arising from maternal toxæmia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
770	Haemolytic disease of newborn (erythroblastosis)	5	2	3	1	2	1	1	1	1	1	1	1	2	2	5	5	5								
771	Haemorrhagic disease of newborn	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2								
774	Immaturity with mention of any other subsidiary condition	11	5	6	3	3	2	1	1	1	1	1	1	8	2	10	1	10								
775	Immaturity subsidiary to some other cause	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
776	Immaturity unqualified	32	17	15	1	3	6	1	2	5	3	4	3	4	24	7	32	32								
780	Certain symptoms referable to nervous system and special senses	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
795	Ill-defined, and unknown causes of morbidity and mortality	3	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2								
921	Inhalation, ingestion of food causing obstruction or suffocation	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
983	Assault by other means	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
TOTALS.....		163	91	72	12	12	20	7	19	19	14	12	5	12	13	18	69	35	7	6	3	120	21	14	5	3

PRINCIPAL CAUSES OF DEATH, 1955

		Total	Male	Female	% of Total Deaths	Rate per 100M Population
420-434	Diseases of the heart.....	363	257	106	25.2	173.3
140-205	Malignant neoplasm.....	259	136	123	17.9	123.7
330-334	Vascular lesions affecting central nervous system.....	146	75	71	10.1	69.7
750-776	Diseases of early infancy.....	132	75	57	9.1	63.0
800-999	External causes.....	115	86	29	7.9	54.9
440-447	Hypertension.....	53	20	33	3.6	25.3
490-493	Pneumonia.....	44	23	21	3.0	20.9
260	Diabetes Mellitus.....	32	14	18	2.1	15.7
581	Cirrhosis of Liver.....	13	10	3	.9	6.2
610	Hyperplasia of Prostate.....	12	12	.....	.8	5.7
	All other diseases.....	272	165	107		
	TOTALS	1,441	873	568		

MORTALITY FROM HEART DISEASE

Year	Total Deaths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1955	1441	363	25.2	173.3
1954	1361	351	25.8	177.4
1953	1300	353	26.9	191.7
1952	1266	320	23.7	189.1
1951	1133	280	24.7	176.2

MORTALITY FROM CANCER

Year	Total Deaths	Deaths From Cancer	Percentage of Total Deaths	Rate per 100M Population
1955	1441	259	17.9	123.7
1954	1361	235	17.2	118.8
1953	1300	212	16.3	114.5
1952	1266	213	17.7	125.8
1951	1133	191	16.0	120.2

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths From This Cause	Percentage of Total Deaths	Rate per 100M Population
1955	1441	146	10.1	69.7
1954	1361	160	11.7	80.9
1953	1300	128	9.9	69.5
1952	1266	110	8.7	59.1
1951	1133	126	10.2	79.3

MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths From Tuberculosis	Percentage of Total Deaths	Rate per 100M Population
1955	1441	12	.8	5.7
1954	1361	9	.66	4.5
1953	1300	13	1.0	7.0
1952	1266	13	1.02	7.6
1951	1133	13	1.1	8.1

MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths From Pneumonia	Percentage of Total Deaths	Rate per 100M Population
1955	1441	44	3.0	20.9
1954	1361	45	3.3	22.7
1953	1300	50	3.8	27.7
1952	1266	41	3.2	24.2
1951	1133	42	3.7	26.4

MORTALITY FROM EXTERNAL CAUSES

Year	Total Deaths	Deaths From External Causes	Male	Female	Suicide	Homicide	Automobile Accidents	All Other Accidents	Percentage of Deaths	Rate Per 100M Population
1955	1441	115	86	29	17	6	30	62	7.9	54.9
1954	1361	104	81	23	17	...	32	55	7.6	53.5
1953	1300	112	85	27	13	4	42	53	8.6	60.8
1952	1266	107	79	28	13	1	41	52	8.4	57.3
1951	1133	91	65	26	11	1	32	47	7.1	57.3

IMMUNIZATION

IMMUNIZATION CLINIC

	1955	1954	1953	1952	1951
No. of persons receiving 1st doses	16,121	13,216	10,405	8,969	8,688
No. persons receiving re-inforcing doses	5,597	3,858	2,981	2,598	2,731
Total procedures	77,053	69,639	50,417	42,808	41,185
Total attendance	33,709	30,335	23,132	19,928	19,770
Phone Calls	5,781	4,854	3,235	2,397	.....
Out-of-town persons attending clinics	748	999	769	627	.....
Student days	222	171	164	231	.....
Clinics held:					
Main clinic—clinics held	250	250	250	249	248
Average attendance	91	82	76	80	80
South Side Clinic—clinics held	250	250	162	.....	.....
Average attendance	44	40	25	.....	.....

IMMUNIZATION RECORD, 1955

	Immunization Clinics	School Health Services	Private Physicians
Diphtheria			
1st dose	4,980	1,462	98
Re-inforcing doses	4,611	5,452	
Total doses	22,412	9,242	
Whooping Cough			
1st dose	4,808		95
Re-inforcing doses	4,394		
Total doses	21,506		
Tetanus			
1st dose	5,616		94
Re-inforcing doses	4,000		
Total doses	23,320		
Scarlet Fever			
1st dose	83		
Re-inforcing doses	115		
Total doses	488		
Typhoid			
1st dose	227		30
Re-inforcing doses	40		
Total doses	684		
Smallpox			
Smallpox vaccinations	4,332	6,914	273
Poliomyelitis			
1st dose	306	8,823	
Total doses	736	17,769	
Cholera			
1st dose	21		
Total doses	38		
Typhus			
1st dose	14		
Total doses	29		
Others			
1st dose	8		
Total doses	8		
Dick Test	19		
Schick Test	82		

COMMUNICABLE DISEASES, 1955 - 1951

	1955		1954		1953		1952		1951	
	C	D	C	D	C	D	C	D	C	D
Diphtheria.....	4	...	3	...	1	...	1	...	1	...
Dysentery.....	...	...	...	...	...	...	1	...	...	...
Encephalitis.....	...	...	...	...	1	...	2	2	1	...
Food Poisoning.....	...	...	...	...	...	...	3	...	4	...
Measles.....	1951	...	219	...	4088	1	484	...	3114	...
Paratyphoid.....	1	...	...	...	2	...	1	...	...	...
Poliomyelitis.....	58	1	75	5	322	16	95	7	9	0
Rubella.....	149	...	132	...	2019	...	397	...	180	...
Scarlet Fever and Streptococcal Sore Throat.....	151	...	210	1	651	1	1470	...	523	...
Tuberculosis (Pulmonary).....	133	8	125	7	112	13	139	9	91	13
Tuberculosis (Other Forms).....	22	5	21	2	25	...	20	4	31	...
Typhoid Fever.....	...	...	1	1	...	...	...	...	1	...
Whooping Cough.....	300	...	181	...	269	...	197	1	345	...
Venereal Disease:										
Gonorrhoea.....	1215	...	1160	...	1043	...	1053	...	757	...
Syphilis.....	76	...	92	2	48	...	48	2	63	2
TOTALS	4064	14	2222	18	8581	32	3915	25	5138	15
Morbidity per 1000 population—	19.4		11.3		62.9		23.1		33.0	
C—Cases D—Deaths										

Deaths from Communicable Diseases were 14 or .97% of the 1,441 City deaths, during the year 1955.

Of the 14 deaths 13 were due to Tuberculosis (all forms). One death was due to Acute Poliomyelitis.

Venereal disease accounted for 1,291 or 32% of the communicable diseases reported in 1955. Measles accounted for 1951 or 48% of communicable diseases in 1955.

COMMUNICABLE DISEASE BY SEASON AND SEX, 1955

	Total	Male	Female	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Non-Resi- dent
Diphtheria	4	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	1	2
Diphtheria Carriers .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Measles	1951	1033	918	156	297	492	335	306	199	59	24	15	7	11	10	38
Paratyphoid Fever	1	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Poliomyelitis	58	31	27	.....	.....	.....	.....	1	2	10	23	12	4	4	1	59
Rubella	149	69	80	18	17	31	15	8	2	11	12	7	7	16	5	.....
Scarlet Fever, Streptococcal Sore Throat	155	70	85	17	17	18	12	10	34	6	4	5	10	16	6	5
Tuberculosis (Pulmonary)	133	71	62	13	10	9	9	15	14	11	8	13	11	14	6	.....
Tuberculosis (Other forms)	22	12	10	2	1	1	3	3	1	3	1	3	1	2	1	.....
Whooping Cough	300	128	172	15	15	26	34	41	42	32	39	28	11	9	10	21
Veneral Disease:																
Gonorrhoea	1215	703	512	98	94	87	86	90	90	98	111	134	74	116	137	.....
Syphilis	76	44	32	2	8	3	2	7	4	2	5	11	12	8	12	.....
TOTAL	4064	2163	1901	361	459	667	497	481	387	232	227	228	137	199	189	126
DEATHS:																
Tuberculosis (all forms)	13	7	6	2	.....	.....	.....	5	.....	2	.....	.....	.....	2	.....	.....
Poliomyelitis	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
TOTAL	14	7	7	2	.....	.....	.....	5	.....	2	.....	1	.....	2	.....	.....

COMMUNICABLE DISEASE BY AGE, 1955

	City Cases	Male	Female	Under 1	1/4	5/14	15/19	Over 20	Not stated	Non- resi- dents
Diphtheria	4	2	2	....	1	1	....	2	....	2
Diphtheria Carriers .....	....	....	....	....	....	....	....	....	....	1
Measles	1951	1033	918	77	789	1051	8	18	8	38
Paratyphoid Fever	1	....	1	....	....	....	....	1	....	....
Poliomyelitis	58	31	27	3	11	16	5	23	....	59
Rubella	149	69	80	14	47	70	3	15	....	....
Scarlet Fever, Streptococcal Sore Throat	155	70	85	2	44	103	2	1	1	5
Tuberculosis (Pulmonary)	133	71	62	1	3	4	6	116	3	....
Tuberculosis (Other forms)	22	12	10	....	4	2	1	14	1	....
Whooping Cough	300	128	172	53	117	121	5	4	....	21
Veneral Disease:										
Gonorrhoea	1215	703	512	....	....	1	130	1072	12	....
Syphilis	76	44	32	....	....	....	12	62	2	....
TOTAL.....	4064	2163	1901	150	1016	1369	172	1330	27	126
DEATHS										
Tuberculosis 'all forms)	13	7	6	....	1	....	1	11	....	....
Poliomyelitis	1	....	1	....	....	....	1	....	....	....
TOTAL.....	14	7	7	....	1	....	2	11	....	....

SCHOOL HEALTH SERVICES

During 1955 the total school population covered by the School Health Services increased by nearly 4,000 pupils to 39,007 pupils. There were 110 Elementary, Junior High and High Schools.

The school nursing staff was increased by two nurses full time.

In general the standard of health of the pupils was good. The environmental conditions of the pupils within the schools continued to improve.

Seventy children were refracted by ophthalmologists and where necessary supplied with glasses.

The final results of the field trial of the Salk Poliomyelitis vaccine in 1954 indicated that a considerable degree of protection against Poliomyelitis was thus available. In 1955 the vaccine was further improved, and 8,823 pupils received two immunizing doses. These children will receive a third dose in 1956.

Through the co-operation of the Tuberculosis Division of the Provincial Government, all new teachers entering the employment of the Public and Separate School Boards were checked by x-ray for the presence of this disease. A parallel survey by skin testing was instituted amongst Grade I pupils. No proven active cases of Tuberculosis have been found.

Audiometric group testing of hearing was introduced in the fall of last year. The Massachusettes Hearing Test is that utilized. Grade IV pupils were selected as most suitable. Forty-one pupils of 1,089 pupils tested failed the test and were referred for further examination.

One case of diphtheria in a 13 year old pupil was reported during the year. This child had not been immunized.

The annual dental survey was extended to include grades 7 and 8, grades 2 to 8 inclusive being examined. Once again the high incidence of dental decay in school children was revealed. The recently published report of the Provincially appointed committee of the Research Council of the University of Alberta adequately illustrates that a means of alleviating this problem is at hand. In Western civilization where refined carbohydrates are in constant usage, fluoridation is a necessity. Meanwhile the establishment of the Dental Division was increased by two half time dentists and two dental assistants. Construction of a new Health Department building in the Woodcroft area began in the spring of 1955. A third dental clinic will be housed in this building.

Examinations by Medical Officers:

Complete periodic examinations	11,546
Examinations on special referral	804
Re-examinations	299
Partial examinations	84
Total number of examinations	12,733
*Number of pupils with defects	5,223
Parents invited to examinations	8,645
Parents present at examinations	4,972
Pupils referred to physicians	692
Pupils referred to dentists	647

*Excluding teeth)

Examinations by Nurses:

Periodic examinations	13,159
Examinations on special referral	19,988
Re-examinations	7,115
Partial examinations	95,892
Total number of examinations	136,154
Number of pupils with defects	25,656
Pupils referred to physicians	1,979
Pupils referred to dentists	1,482

School Nursing Services

Home visits	4,127
Consultations with physicians	146
Consultations with teachers	9,654
Consultations with parents	4,912
Consultations with others.....	1,418
Pupils given first aid	9,423
Lectures and Talks	672
Student days	72

Dental Services

Number of operations	2,662
Number of cases completed	223

Dental Survey

Number of schools visited	74
Number of children examined	17,051
Number of children with defective teeth	14,005
Number of children without defective teeth.....	3,046

ISOLATION HOSPITAL, 1955

Four hundred and ninety-seven patients were admitted to the Isolation Hospital during 1955. There were 4 deaths.

Admissions to hospital:

Scarlet Fever	20	Whooping Cough	53
Diphtheria	5	Meningitis (Meningococcic)	4
Diphtheria Carrier	1	Mumps	4
Poliomyelitis	103	Chickenpox	24
Streptococcic Sore Throat.....	7	Others	176
Measles	95		

DEATHS:

Poliomyelitis	1
Meningitis	2
Abscesses	1

(Outside cases included in above figures).



TUBERCULOSIS CONTROL

	1955	1954	1953	1952	1951
Cases—Pulmonary Tuberculosis	133	125	112	139	91
All other forms of T.B.	22	21	25	20	31
Rates—Pulmonary Tuberculosis	63.5	63.1	51.4	77.4	57.0
All other forms of T.B.	10.5	10.6	13.6	12.2	—
Deaths—Pulmonary Tuberculosis	8	7	13	9	13
All other forms of T.B.	5	2	—	10	8
Non-resident—All other forms of T.B.....	—	—	—	2	3
Mobile X-ray Clinic	—	—	—	101,965	9,902

Kinsmen's Club Service

Total visits by Nurse	4,333	3,476	3,913	5,200	4,739
Visits to T.B. cases	865	792	933	1,060	140
Visits to contact cases	1,702	1,574	1,474	2,522	1,786
Observation, Co-operative visits	266	110	298	296	315
Tuberculin tests in homes	1,500	1,363	580	943	423

WELL BABY AND PRE-SCHOOL CLINICS—1951 to 1955

	1955	1954	1953	1952	1951
Total attendance	21,515	20,791	17,611	14,851	14,453
Under 1 year	15,504	15,019	12,906	10,931	10,408
1 to 6 years	6,011	5,772	4,705	3,720	4,045
Out-of-town	1,148	1,521	1,442	1,089	1,232
Number of Clinics held:					
Main Clinic	250	250	250	250	249
Average attendance	55	54	57	59	58
Average monthly attendance	1,141	1,132	1,179	1,238	1,205
South Side Clinic	250	250	250	250	249
Average daily attendance	31	29	21	—	—
Average monthly attendance	652	600	432	—	—
Total average daily attendance	86	83	70	59	58
Total average monthly attendance	1,796	1,733	1,611	1,238	1,205
Total new admissions	5,043	5,029	4,578	3,814	3,605
Under 1 year	3,965	3,931	3,518	3,066	2,842
1 to 6 years	1,078	1,098	1,060	748	763
Re-admissions	230	222	247	158	153
Discharged	4,002	3,682	3,741	3,741	3,406
Active charts transferred from Main Clinic	164	257	500	—	—
Retired cards transferred from Main Clinic	49	54	68	—	—
Active charts transferred to Main Clinic	78	55	11	—	—
Total remaining on Roll	13,031	11,990	10,643	9,817	9,744
Home visits	2,693	2,147	2,517	2,216	1,992
Telephone calls	8,274	8,204	6,136	4,431	4,140
Correspondence	50	79	111	79	102
Number seen by Doctor	943	875	823	605	552
Referred to family doctor	265	247	211	157	137
Number of student days	222	287	168	232	185

Physicians were in attendance at both clinics two afternoons each week to provide medical examination for children where this was indicated.

VICTORIAN ORDER OF NURSES

	1955	1954	1953	1952	1951
Prenatal	5	30	34	14	43
Postnatal	4	17	12	7	—
Newborn care	219	230	285	273	322
Newborn instruction	1,735	1,486	1,630	2,690	1,369
Medical and surgical	13,040	12,402	10,416	8,031	7,608
Total visits	15,113	14,165	12,367	11,131	10,536
Prenatal clinics	39	30	18	20	36
Average attendance	22	18	18	19	16

SANITATION

INSPECTIONS:

	1955	1954
Dwellings	216	234
Hotels, lodging houses, apartment blocks.....	631	605
Schools, blocks, public buildings	6	15
Stores, bakeshops, business establishments.....	2,909	2,723
Restaurants	3,197	3,006
Garbage cans, etc.....	146	225
Streets, lanes, yards, dumps, etc.	21	37
Miscellaneous (including barber shops, beauty parlors, auto courts)....	737	668
	7,863	7,513
Re-inspections	558	401

NOTICES:

Written	144	129
Verbal	3,274	2,670
Garbage	40	92

COMPLAINTS:

Received from public	451	420
Justified	399	375
Received from other departments	11	9
Referred to other departments	28	30
The complaints were made up as follows:		
Garbage, streets, lanes, etc.	150	133
Vermin	53	37
Housing, plumbing and drainage.....	131	152
Food and drink.....	53	38
Miscellaneous.....	64	60

LICENSES:

License applications investigated	3,512	3,402
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PLUMBING:

Sewer and water notices issued	29	20
Extension of time granted.....	8	4
Plumbing permits issued	4,146	3,957
Plumbing permits issued for old buildings	125	114
Alterations to existing plumbing (fixtures).....	1,212	1,654
Privies eliminated through installation of plumbing.....	125	114
Number of septic tanks installed	8	6

DISINFESTING STATION:

This group is now cared for by the Provincial Welfare Department.

SCAVENGING CLEAN-UP WORK:

	1955	1954
Refuse removed during Clean-Up Week (cubic yards)....	19,000	17,500

ANIMALS, BARNS, STYES:

Cow owners	57	77
Hog owners	21	25
Goat owners	6	4
Fur farm owners.....	11	16

FOOD:

Samples submitted to Provincial Laboratory	7	8
Foodstuffs condemned (pounds)	5,074	744

WATER:

Water samples taken	9	17
Negative	7	12
*Positive	2	5
Wells chlorinated	0	4
Wells condemned	1	1
*Wells condemned or further samples taken after chlorination.		

HOUSING:

Necessary notices were issued in connection with overcrowding, vermin and other unsanitary conditions in 216 dwellings and 631 hotels, lodging houses, apartment blocks, etc.

POISON GAS FUMIGATION:

Vermin was eliminated from six establishments by the use of hydrocyanic acid gas.

ENFORCEMENT OF REGULATIONS:

Prosecutions.....	—	3
Number of student days	74	109

FOOD INSPECTION

MEATS INSPECTED AND CONDEMNED

Beef:	1955	1954	1953
Number of carcasses inspected.....	7,544	7,868	4,628
Carcasses condemned	35	29	12
Portions condemned	562	585	331
Weight (lbs.) of carcasses and portions condemned	20,580	21,565	10,005
Veal:			
Number of carcasses inspected	1,330	1,193	1,733
Carcasses condemned	—	2	5
Portions condemned	27	24	29
Weight (lbs.) of carcasses and portions condemned	160	340	1,735
Mutton:			
Number of carcasses inspected	251	299	250
Carcasses condemned	1	—	1
Portions condemned	20	18	3
Weight (lbs.) of carcasses and portions condemned	160	95	80
Pork:			
Number of carcasses inspected	9,352	8,500	6,731
Carcasses condemned	9	8	7
Portions condemned	1,152	1,483	1,648
Weight (lbs.) of carcasses and portions condemned	14,740	21,410	25,630
Totals:			
Number of carcasses inspected.....	18,477	17,860	13,342
Carcasses condemned	45	39	25
Portions condemned	1,761	2,110	2,011
Weight (lbs.) of carcasses and portions condemned	35,640	43,410	37,450

CARCASSES FOUND TO BE INFECTED WITH T.B.

Beef:			
Infected	—	1	6
Percent	0.	.01	.13
Pork:			
Infected	896	1,264	967
Percent	9.58	14.87	14.36

CHIEF CAUSES OF CONDEMNATION, 1955

Beef:	Carcasses	Portions	Weight (lbs.)
Abscess	—	409	4,095
Actinomycosis	—	144	2,880
Emaciation	6	—	2,075
Jaundice	2	—	600
Parturient	2	—	745
Septicaemia	20	—	8,265
Miscellaneous (including blackleg, extensive bruising, icterus, uraemia, etc.)	5	9	1,920
	35	562	20,580
Veal:			
Abscess	—	12	60
Actinomycosis	—	5	50
Adhesions	—	10	50
		27	160
Mutton:			
Adhesions	—	1	5
Parasites	—	19	95
Moribund	1	—	60
	1	20	160
Pork:			
Contamination	—	107	1,605
Parasites	—	141	735
Septicaemia	4	1	745
Tuberculosis	2	896	11,085
Miscellaneous (adhesions, bruised, emacia- tion, extensive bruising, rhinitis)	3	7	570
	9	1,152	14,740

DISEASED ANIMALS

	1955	1954	1953
Beef	578	544	230
Veal	27	21	23
Mutton	21	18	4
Pork	856	1,073	1,336
Total amount of meat condemned (lbs.)	35,640	43,410	37,450

FOODSTUFFS CONDEMNED BY INSPECTORS

Meat	—	500	—
Poultry	24	69	76
Cheese	—	—	174
Damaged by fire, flood, etc.	4,300	150	3,412
Sundries	750	25	—
	5,074	744	3,662

MILK AND WATER REPORT

	1955		1954	
	Total No. Premises	No. of Inspections	Total No. Premises	No. of Inspections
Inspections:				
Producer-distributors, raw milk	1	2	1	2
Producer-shippers, milk	505	916	493	939
Producer-shippers, cream	50	68	62	102
Producers—Contacts		276		289
Vehicles		611		493
Pasteurization Plants—Contacts		211		264
Pasteurization Plants	5	216	5	203
Others, Complaints, etc.		17		11
Milk Cans Condemned		58		
Licenses and Permits:				
Retail milk certificates issued		575		578
Dairy Licenses issued		560		548
Dairy Licenses refused		—		2
Dairy Licenses suspended temporarily		31		22
Permits issued to cow keepers in the city		75		98
Samples:				
Milk samples taken, retail		1,178		1,023
Milk samples taken, shippers		11,362		10,260
Cream samples taken		230		185
Special Milk samples		—		20
Chocolate Milk samples		132		88
Ice cream samples		20		36
TESTS—Milk:				
Standard plate counts		1,178		1,023
Coliform tests		237		240
Phosphatase tests		673		550
Methylene blue tests		11,362		10,260
Butterfat tests		89		64
Restaurants:				
Swab tests of utensils		1,839		1,348
Water:				
Standard plate counts		270		255
Coliform tests		270		227
Chlorine content checks		270		255
Raw river water plate counts		32		35
Swimming Pools:				
Plate counts		231		177
Coliform tests		231		177
Inspections		230		217
Student Days		74		109



