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REPORT

of the

Local Board of Health



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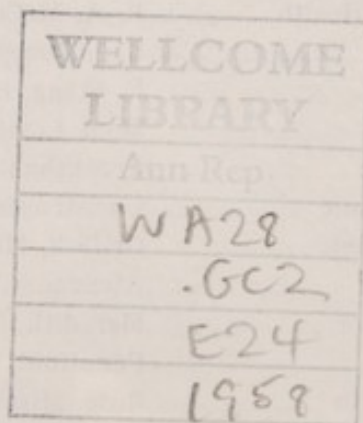


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ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH

Chairman and Members
Local Board of Health
Edmonton, Alberta.

Ladies and Gentlemen:

It is my privilege to present to you the following report for 1958:

The rapid growth of our city continued in 1958. Our population increased by 5.7% and our school population by 7.4%. Numbers of older houses are still crowded by multiple families. There is need for further construction of living accommodation at a cost which will make it available to lower income citizens, particularly those with large families.

In April the Board's new Eastwood Health Centre was opened, and the rapidly increasing use of the services offered has already verified the need for a centre in that area.

Our birth-rate of 33.3 per 1,000 population was the lowest since 1952, although the total of 8,408 babies born was still greater than any previous year. There were 82 sets of twins born to city mothers during the year, and one set of triplets.

The infant death-rate was slightly increased, but remained comparatively low at 22.2 per 1,000 live births.

The marriage-rate of 12.5 per 1,000 citizens is the lowest recorded since 1918. In past years, excepting war-time, the economic welfare of our people appears to have had an important influence on this rate.

The death of 1,565 citizens of all ages gave a decrease in the general death-rate. Cancer and tuberculosis both gave lower rates. Of the 45 citizens dying from automobile accidents, 15 perished inside the city as compared to 18 the previous year. Most of such deaths are preventable, but only when we find some means of impressing upon every citizen his personal responsibility as a pedestrian or driver.

No extensive epidemics of communicable disease occurred during the year. A single case of diphtheria was reported. In six of the past ten years we have had only a single case of this disease, but have yet to achieve a year entirely free from diphtheria. However, this is a far cry from the years when our cases of diphtheria were numbered in their hundreds. A single case of typhoid fever in a baby, acquired from a relative identified as a carrier, and a single case of poliomyelitis in a unprotected 26 year old man were the extent of these diseases.

Another marked increase in attendance at our Health Centres occurred during 1958. We regard these preventive services primarily as a safeguard to the health of babies and pre-school children. A total attendance of 76,531 during the year gives adequate assurance that parents appreciate the value of such protection.

Over 80% of our citizens under 20 years of age have been protected against poliomyelitis. However, not more than 10% of those between the ages of 20 and 40 years have availed themselves of this protection. It will be obvious why a greater percentage of the cases are appearing in the older group across our country.

Our school health services have cared for a rapidly increasing school population which, in turn, has required an increase of personnel in this service. Early identification of physical defects, and immunization where necessary for more than 50,000 pupils, indicates the sizeable task delegated to this division.

The constant supervision of water, milk and other food supplies in restaurants, stores, warehouses, local abattoirs, and on dairy farms is an important contribution by our division of sanitation. Inadequate housing is also one of their still frequent problems.

We are keenly aware that we are part of a larger team. Many of our problems are solved with the help of other City departments. The provincial health services have contributed much material and technical assistance to our efforts, as have various departments of the University of Alberta. To all these, and to the members of this Board for their firm support, we offer our grateful acknowledgment.

Yours truly,

G. M. LITTLE,
Medical Health Officer.

SUMMARY OF STATISTICS

Area of City—44.8 sq. miles

	1958	1957	1956	1955	1954
Population	252,131	238,353	224,003	209,353	197,836
Persons per acre of land	8.7	8.3	7.8	7.3	7.0
Cost per capita	1.53	1.24	1.17	1.16	1.09
School enrolment	50,173	46,682	42,645	39,065	35,585
Natural increase of population	6,843	6,667	6,409	5,861	5,730
BIRTHS					
Total births	12,072	11,513	11,035	10,420	10,061
Resident births only	8,408	8,186	7,821	7,302	7,091
Resident rate per 1000 population	33.3	34.3	35.1	34.8	35.2
STILLBIRTHS					
Total Stillbirths	109	135	135	154	127
Resident stillbirths only	71	86	92	101	84
Resident stillbirths rate per 1000 living births	8.4	10.5	11.7	13.8	11.8
DEATHS					
Total deaths	2,313	2,284	2,191	2,005	1,994
Resident deaths only	1,565	1,519	1,412	1,441	1,361
Resident rate per 1000 population	6.2	6.3	6.3	6.8	6.9
INFANT MORTALITY					
Total deaths under 1 year of age..	304	277	254	237	223
Resident deaths under 1 year of age	187	174	169	163	143
Resident rate per 1000 living births	22.2	21.2	21.6	22.3	20.1
MATERNAL MORTALITY					
Maternal deaths (Resident only)..	2	1	1	3	....
Rate per 1000 living births .....	.023	.012	.012	.04	0
MARRIAGES					
Marriages	3,149	3,121	2,967	2,985	2,996
Rate per 1000 population	12.5	13.1	13.2	14.2	15.1

VITAL STATISTICS

Births	1958	1957	1956	1955	1954
Total births	12,072	11,513	11,035	10,420	10,061
Resident births only	8,408	8,186	7,821	7,302	7,091
Male	4,339	4,106	4,079	3,767	3,664
Female	4,069	4,080	3,742	3,533	3,427
Double Births (Residents only)	82	76	80	79	66
Triple Births (Residents only)..	1	.....	3	4	1
Resident Illegitimate births	374	348	375	354	312
Total Illegitimate births	647	637	603	556	505
Born in Institutions (Residents)	8,401	8,185	7,819	7,301	7,088
Maternal Parentage:					
Canada	6,436	6,476	6,278	5,803	5,709
British Isles	471	361	367	384	399
Europe and Asia	1,388	1,235	1,027	962	827
U.S.A.	105	94	118	124	121
Other Countries	8	20	31	29	35

**RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND ORDER OF BIRTH
1958**

	-20	20-24	25-29	30-34	35-39	40-44	Over 45	Total Number	%
1st Child	555	1,273	675	230	80	14	3	2,830	33.7
2nd Child	128	918	807	391	125	26	1	2,396	28.4
3rd Child	25	377	576	429	183	32	---	1,622	19.3
4th Child	3	72	265	265	161	27	2	795	9.5
5th Child	---	14	135	146	93	23	3	414	4.9
6th Child	---	5	37	63	56	22	---	183	2.2
7th Child	---	---	9	35	36	6	---	86	1.0
8th Child	---	---	10	9	15	4	1	39	.5
9th Child	---	---	3	11	6	5	---	25	.3
10th Child and over	---	---	---	4	6	7	1	18	.2
	711	2,659	2,517	1,583	761	166	11	8,408	100.0%

STILLBIRTHS

	1958	1957	1956	1955	1954
Total Stillbirths	109	135	135	154	127
Resident Stillbirths only	71	86	92	101	84
Male	38	39	50	51	40
Female	33	47	42	50	44
Born in Institutions	71	86	92	101	84
Cause of Foetal Deaths:					
Dystocia	22	27	43	40	37
Prematurity	9	4	3	11	6
Toxemia of Pregnancy	3	3	3	8	3
Syphilis	---	---	---	---	---
Malformation	12	19	8	19	9
Placenta and Membranes	10	24	8	6	14
Traumatism, Overwork	---	---	---	---	---
Other Conditions	9	9	26	17	15

DEATHS

	1958	1957	1956	1955	1954
Total Deaths	2,313	2,284	2,191	2,005	1,994
Resident Deaths only	1,565	1,519	1,412	1,441	1,361
Male	1,002	927	880	873	862
Female	563	592	532	568	499
Resident Rate per 1,000 population	6.2	6.3	6.3	6.8	6.9
Racial Origin:					
Canada	547	602	513	551	515
British Isles	454	443	241	423	426
Europe and Asia	429	352	358	318	289
U.S.A.	109	101	76	100	71
Others	26	21	24	49	60

INFANT MORTALITY

	1958	1957	1956	1955	1954
Total deaths under 1 year of age	304	277	254	237	223
Resident deaths under 1 year of age	187	174	169	163	143
Male	121	92	89	91	80
Female	66	82	80	72	63
Legitimate	176	157	152	150	133
Infant mortality rate per 1,000 living births	22.2	21.2	21.6	22.3	20.1
Racial Origin:					
Canada	154	150	140	135	114
British Isles	9	7	10	7	7
Europe and Asia	21	15	13	16	15
U.S.A.	---	2	2	---	4
Others	3	---	4	5	3

INFANT MORTALITY—1958

	Total	Male	Female	January	February	March	April	May	June	July	August	September	October	November	December	1st Day	1st Week	2nd Week	3rd Week	4th Week	Under 1 Month	1-3 Months	4-6 Months	7-9 Months	10-12 Months	
183.0 Malignant neoplasm of Brain	1	1																								1
231 Neoplasm of unspecified nature of respiratory system	1		1														1				1					
273 Diseases of Thymus gland	1	1							1												1					
344 Late effects of intracranial abscess or pyogenic infection	1	1																			1					
351 Cerebral spastic infantile paralysis	1	1							1												1					
490 Lobar pneumonia	2	1	1		1																1	1	1	1		
491 Broncho pneumonia	6	3	3			2			2													4	1	1	1	
492 Primary atypical pneumonia	1	1				1																				
493 Pneumonia, other and unspecified	1	1				1																				
500 Acute Bronchitis	7	5	2		1	2						1									1	3	2	2	1	
501 Bronchitis, unqualified	2	2					1															1	1	1		
541.1 Ulcer of duodenum with perforation	1	1							1																	
560 Hernia of abdominal cavity without mention of obstruction	3	3				1			2							2	1				3					
570 Intestinal obstruction without mention of hernia	1	1																								
571 Gastro-enteritis, colitis, except ulcerative, age 4 weeks and over	6	4	2		3							1														1
578 Other diseases of intestines and peritoneum	1		1																							
600 Infections of kidney	2	2				1							1													
744 Other diseases	1	1			1																					
750 Monstrosity	1	1																								
751 Spina bifida and meningocele	6	4	2		2	2					1															
752 Congenital hydrocephalus	2	1	1																							
754 Congenital malformations of circulatory system	28	16	12	3	3	1	3	1	3	2	2	2	2	4	2	1	12	2			2	17	7	2	2	
756 Congenital malformations of digestive system	6	5	1		1	1					1	1	1	1	1	1	3				1	4	1	1		
757 Congenital malformations of genito-urinary system	2	1	1							1						2						2				
758 Congenital malformations of bone and joint	2	2																				1				
759 Other and unspecified congenital malformation not elsewhere classified	5	3	2		1			1			1			2		4					5					
760 Intracranial and spinal injury at birth	6	5	1			1				1	1	2			1	3	2	1			6					
761 Other birth injury	7	4	3		1	1				1				1	1	4	3				7					
762 Postnatal asphyxia and atelectasis	33	21	12	1	2	3	2	1	7	5	2	4	3		3	14	16	2			32	1				
763 Pneumonia of newborn	5	3	2		1		1			1					1			1	4		5					

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1958

	Total		Under 1		1-4		5-14		15-19		20-29		30-39		40-49		50-59		60-69		70-79		Over 80		Non-Res.	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
1. Tuberculosis of respiratory system.....	5	2	3	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14		
2. Tuberculosis, all other forms.....	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4		
3. Syphilis and its sequelae.....	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4		
17. All other diseases classified as infective and parasitic	11	5	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5		
18. Malignant neoplasms, including neoplasms of lymphatic and haematopoietic tissues.....	269	164	105	1	4	1	2	2	1	4	1	4	1	3	4	8	16	30	18	48	25	42	25	169		
19. Benign neoplasms and neoplasms of unspecified nature.....	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6		
20. Diabetes Mellitus.....	26	12	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7		
21. Anaemias.....	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
22. Vascular lesions affecting central nervous system.....	162	74	88	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	67		
24. Rheumatic fever.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
25. Chronic Rheumatic heart disease.....	19	10	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5		
26. Arteriosclerotic and degenerative heart disease.....	427	316	111	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5		
27. Other diseases of heart.....	15	8	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
28. Hypertension with heart disease.....	29	9	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6		
29. Hypertension without mention of heart disease.....	10	7	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16		
30. Influenza.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
31. Pneumonia.....	48	25	23	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
32. Bronchitis.....	18	15	3	7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20		
33. Ulcer of stomach and duodenum.....	14	12	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6		
35. Intestinal obstruction and hernia.....	12	8	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12		
36. Gastritis, duodenitis, enteritis and colitis, except diarrhoea of the newborn.....	6	4	2	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2		
37. Cirrhosis of Liver.....	11	7	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5		
38. Nephritis and nephrosis.....	10	3	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8		
39. Hyperplasia of prostate.....	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4		
40. Deliveries and complications of pregnancy, childbirth and the puerperium.....	2	37	28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4		
41. Congenital malformations.....	65	30	16	30	16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4		
42. Birth injuries, postnatal asphyxia and atelectasis.....	46	6	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	36		
43. Infections of the newborn.....	6	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4		
44. Other diseases peculiar to early infancy and immaturity unqualified.....	40	24	16	24	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	25		
45. Senility without mention of psychosis, ill-defined and unknown causes.....	32	26	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20		
46. All other diseases.....	142	98	44	5	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	20		
47. Motor Vehicle accidents.....	45	35	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	77		
48. All other accidents.....	49	31	18	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	23		
49. Suicide and self-inflicted injury.....	23	21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	29		
50. Homicide and operations of war.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
TOTAL.....	1565	1002	563	121	66	11	13	7	9	7	4	31	8	23	21	66	29	134	57	209	75	235	139	158	142	748
	187					24		16		11		39		44		85		191		284		374		300		

PRINCIPAL CAUSES OF DEATH, 1958

	Totals	Male	Female	% of Total Deaths	Rate per 100M Population
420-433 Diseases of Heart	442	324	118	28.2	175.0
140-205 Cancer	269	164	105	17.7	106.0
330-334 Vascular lesions affecting central nervous system	162	74	88	10.3	64.0
750-776 Diseases of early infancy	157	95	62	10.0	61.9
800-999 External causes	119	88	31	7.6	47.6
490-493 Pneumonia	48	25	23	3.0	19.4
440-447 Hypertension	39	16	23	2.4	15.9
260 Diabetes Mellitus	26	12	14	1.6	10.7
500-502 Bronchitis	18	15	3	1.1	7.1
540-541 Ulcer of stomach and Duodenum	14	12	2	.9	5.5
All other diseases	271	177	94		
TOTALS	1,565	1,002	563		

MORTALITY FROM HEART DISEASE

Year	Total Deaths	Deaths from Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1958	1565	442	28.2	175.0
1957	1519	393	25.8	164.0
1956	1412	396	28.0	176.7
1955	1441	363	25.2	173.3
1954	1361	351	25.8	177.4

MORTALITY FROM CANCER

Year	Total Deaths	Deaths from Cancer	Percentage of Total Deaths	Rate per 100M Population
1958	1565	269	17.7	106.6
1957	1519	270	17.7	113.2
1956	1412	259	18.3	115.6
1955	1441	259	17.9	123.7
1954	1361	235	17.2	118.8

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths from This Cause	Percentage of Total Deaths	Rate per 100M Population
1958	1565	162	10.3	64.0
1957	1519	149	9.8	62.5
1956	1412	131	9.2	65.6
1955	1441	146	10.1	69.7
1954	1361	160	11.7	80.9

MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths from Tuberculosis	Percentage of Total Deaths	Rate per 100M Population
1958	1565	8	.05	3.1
1957	1519	18	1.1	7.5
1956	1412	10	.7	4.4
1955	1441	12	.8	5.7
1954	1361	9	.66	4.5

MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths from Pneumonia	Percentage of Total Deaths	Rate per 100M Population
1958	1565	48	3.0	19.4
1957	1519	46	3.0	19.3
1956	1412	51	3.5	22.7
1955	1441	44	3.0	20.9
1954	1361	45	3.3	22.7

MORTALITY FROM EXTERNAL CAUSES

	Total Deaths	Deaths From External Causes	Male	Female	Suicide	Homicide	Automobile Accidents	All other Accidents	Percentage of Deaths	Rate per 100M Population
1958	1565	119	88	31	23	2	45	49	7.6	47.6
1957	1519	123	95	28	22	4	33	64	8.0	51.6
1956	1412	116	82	34	24	3	56	33	8.2	51.7
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

IMMUNIZATION CLINIC

	1958	1957	1956	1955	1954
No. of persons receiving 1st doses	42,859	29,484	15,245	10,524	13,216
No. persons receiving reinforcing doses	7,724	6,960	6,145	5,597	3,858
Total procedures	209,654	144,470	96,601	77,053	69,639
Total attendance	133,090	78,042	42,954	33,709	30,335
Phone calls	18,626	13,996	11,303	5,781	4,854
Out of town persons attending clinics	1,159	863	749	748	999
Student days	242	251	214	222	171
Clinics Held:					
Main clinic	251	251	251	250	250
Average attendance	261	193	97	91	82
South Side Clinic	250	250	251	250	250
Average attendance	100	60	47	44	40
Woodcroft Clinic	250	250	199	---	---
Average attendance	132	58	34	---	---
Eastwood Clinic	187	---	---	---	---
Average attendance	46	---	---	---	---

IMMUNIZATION RECORD

	Immunization Clinics	School Health Service
Diphtheria		
1st dose	7,730	1,308
Re-inforcing doses	7,657	6,296
Total doses	38,685	7,604
Whooping Cough		
1st dose	7,500	
Re-inforcing doses	7,382	
Total doses	37,685	
Tetanus		
1st dose	7,946	1,308
Re-inforcing doses	7,579	6,296
Total doses	39,226	7,604
Typhoid		
1st dose	217	
Re-inforcing doses	65	
Total doses	629	
Smallpox		
Smallpox vaccinations	6,130	5,933
Poliomyelitis		
1st dose	28,567	105
Total doses	81,451	12,636
Cholera		
1st dose	55	
Total doses	97	
Typhus		
1st dose	31	
Total doses	53	
Rocky Mountain Spotted Fever		
1st dose	---	
Total doses	---	
Flu Vaccine		
Total doses	2	
Schick Test	143	

COMMUNICABLE DISEASES, 1954-1958

	1958		1957		1956		1955		1954	
	C	D	C	D	C	D	C	D	C	D
Diphtheria	1	---	11	1	5	---	4	---	3	---
Diphtheria Carrier	4	---	16	---	5	---	---	---	---	---
Dysentery	3	---	---	---	3	---	---	---	---	---
Encephalitis	---	1	1	1	---	---	---	---	---	---
Food Poisoning	1	---	---	---	---	---	---	---	---	---
Measles	669	---	4,069	---	241	---	1,951	---	219	---
Mumps	---	1	---	---	---	---	---	---	---	---
Paratyphoid Fever	1	---	---	---	---	---	1	---	---	---
Poliomyelitis	1	---	8	---	13	---	58	1	75	5
Rubella	568	---	1,329	---	123	---	149	---	132	---
Scarlet Fever and Streptococcal Sore Throat	132	---	202	---	165	---	151	---	210	1
Tuberculosis (Pulmonary) Active	75	5	173	17	150	9	133	8	125	7
Tuberculosis (Pulmonary) Inactive	75	---	---	---	---	---	---	---	---	---
Tuberculosis (Other Forms) Active	11	3	17	1	23	1	22	5	21	2
Tuberculosis (Other Forms) Inactive	3	---	---	---	---	---	---	---	---	---
Typhoid Fever	1	---	1	---	4	---	---	---	1	1
Typhoid Fever Carrier	1	---	---	---	1	---	---	---	---	---
Whooping Cough	233	---	147	---	121	---	300	---	181	---
VENEREAL DISEASE										
Gonorrhoea	1,540	---	1,324	---	1,171	---	1,215	---	1,160	---
Syphilis	37	2	45	3	70	2	76	---	92	2
Morbidity per 1,000 population	3,356	12	7,342	24	2,095	12	4,064	14	2,222	18
Deaths	28.1	---	30.8	---	9.3	---	19.4	---	11.3	---

C—Cases

D—Deaths

COMMUNICABLE DISEASE BY AGE, 1958

Disease	City Cases		Under 1		1/4	5/14	15/19	Over 20	Not Stat-ed	Non-Resi-dents
	Male	Female	Male	Female						
Diphtheria	1	1	1	1	1	1	1	3		3
Diphtheria Carrier	4	3	1	3	3	1	3	3		2
Dysentery	3	1	2	1	3			1		1
Encephalitis	1	1	1	1	319	313	3	8		14
Food Poisoning	669	305	26	364	140	367	19	1		1
Measles	1	1	24	328	44	76	2	18		1
Poliomyelitis	568	240	2	68				1		1
Rubella	132	64	1	1				1		1
Scarlet Fever and Strep. Throat	1	1	1	1				1		1
Typhoid Fever	1	1	1	1				1		1
Typhoid Fever Carrier	1	1	1	1				1		1
Paratyphoid Fever	233	100	28	133	79	121	1	4		7
Whooping Cough	75	38	37	37	11	7	4	53		13
Tuberculosis (Pulmonary) Active	75	35	40	40				75		
Tuberculosis (Pulmonary) Inactive	11	4	7	7				10		
Tuberculosis (Other Forms) Active	3	1	2	2				3		
Tuberculosis (Other Forms) Inactive										
VENEREAL DISEASE										
Gonorrhoea	1,540	823		717		28	252	1,239		21
Syphilis	37	26		11			1	36		
TOTAL	3,356	1,641	82	1,715	596	915	282	1,452	29	45
DEATHS										
Encephalitis	1	1		1				1		
Mumps	1	1		1		1				
Tuberculosis, Pulmonary	5	2		3				5		
Tuberculosis, all other forms	3	2		1				3		
Syphilis	2	2		2				2		
TOTAL	12	7		5		1		11		

COMMUNICABLE DISEASE BY SEASON AND SEX, 1958

	Total	Male	Female	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Non-Resident
Diphtheria	1		1								1	1				3
Diphtheria Carrier	4	1	3								2	2		1		2
Dysentery	3	2	1			1										1
Encephalitis	1						1									
Food Poisoning	669	305	364	55	23	67	99	142	109	40	24	22	15	16	57	14
Measles	1											1				
Poliomyelitis	568	240	328	96	85	78	60	68	59	29	11	14	19	15	34	
Rubella	132	64	68	21	10	13	12	10	10	4	8	2	10	12	20	1
Scarlet Fever & Strep. Throat	1		1		1											1
Typhoid	1		1		1											1
Typhoid Fever Carrier	1		1					1								1
Paratyphoid Fever	1		1													1
Whooping Cough	233	100	133	13	12	22	16	11	37	30	16	36	13	12	15	7
Tuberculosis (Pulmonary)	75	38	37	10	7	3	11	4	8	4	2	11	6	4	5	13
Active																
Tuberculosis (Pulmonary)																
Inactive	75	35	40	13	7	7	4	12	2	7	2	5	6	5	5	
Tuberculosis (Other Forms)	11	4	7	3			2		4		1			1		
Active																
Inactive	3	1	2		1							2				
Tuberculosis (Other Forms)																
VENEREAL DISEASE	1,540	823	717	91	140	89	118	120	143	120	121	146	200	137	115	
Gonorrhoea	37	26	11	5	2	1	3	4	4	4	4	3	3	1	3	
Syphilis																
TOTAL	3,356	1,641	1,715	307	287	281	326	372	376	238	192	245	272	203	254	45
DEATHS																
Encephalitis	1		1												1	
Mumps	1	1						1								
Tuberculosis, pulmonary	5	2	3	1	1			1		1		1		1		
Tuberculosis, all other forms	3	2	1									1	1			
Syphilis	2	2		1												
TOTAL	12	7	5	2	1			1	1	1		2	1	1	1	

TUBERCULOSIS CONTROL

	1958	1957	1956	1955	1954
*Cases—Pulmonary Tuberculosis	150	173	150	133	125
**All other forms of T.B.	14	17	23	22	21
Rates per 100,000 population:					
Pulmonary Tuberculosis	59.5	72.5	66.9	63.5	63.1
All other forms of T.B.	2.2	7.0	10.2	10.5	10.6
Deaths—Pulmonary Tuberculosis	5	17	9	8	7

*Includes 75 Inactive Cases

**Includes 3 Inactive Cases

KINSMEN'S CLUB SERVICE

	1958	1957	1956	1955	1954
Total visits by Nurse	4,466	4,349	4,955	4,333	3,476
Visits to homes	954	1,510	1,927	1,466	1,000
Visits to T.B. cases	915	862	907	805	792
Visits to contact cases	2,421	1,814	1,922	1,702	1,574
Observation, co-operative visits	176	153	199	266	110
Tuberculin tests in homes	1,799	573	1,956	1,500	1,363
CHEST SURVEY: City Hall	7,879	6,922	(8 months)		
Industrial	9,029	2,961			
	16,908	9,883			

SCHOOL HEALTH SERVICES, 1958

In 1958 the total number of pupils attending the Schools served by this staff reached 50,173, an increase of 3,491 over the corresponding previous figure. In all, the Public, Separate and Parochial schools opened approximately 166 new rooms during the year.

The staff of the Service was increased by three full time nurses. The total nursing staff in School Health is thirty-two full time nurses. The appointment of a clerical assistant in 1957 proved to be a successful venture. Nurses were relieved of repetitive documentation and the time thus gained devoted to Public Health nursing. It follows that only a limited amount of such documentation can be performed by non-nursing personnel, however, another clerical assistant was appointed to devote half her time to this useful endeavor.

The year has been almost spectacularly quiet in the communicable disease field. Problem families are fortunately rare, however, one family produced a Diphtheria case and a Diphtheria carrier of school age. These children were not immunized.

The Spring term saw the completion of the Poliomyelitis immunization scheme through the schools. Every school pupil had been offered this protection. Routine Diphtheria and Tetanus immunization and vaccination against Smallpox are recommended in the Fall term.

Routine audiometry of grade four pupils was again instituted in the Fall term. The screening test is that developed in Massachusetts. Referees are given an audiogram by the teacher in charge of the Special Class for the Partially Deaf of the Public School Board.

Fifty-seven pupils, children of indigent parents, who had defective vision, were refracted by ophthalmologists and where necessary provided with glasses at the expense of the Local Board of Health.

Under a similar scheme, 8,040 dental operations were performed by the Dental Division. Five hundred and forty-nine children were rendered dentally sound.

The annual dental survey of children in grades two to eight inclusive revealed that approximately 83 per cent of pupils had defective teeth. The need for Fluoridation of public water supplies continues unabated.

During the summer months, the Department examined 518 children prior to attending summer camps for the economically under privileged.

Five thousand one hundred and ninety-nine grade one pupils were submitted to the Vollmer Patch Skin Test. Eighty-eight pupils were positive and referred to the Tuberculosis Division of the Provincial Health Department for investigation and follow up.

Ninety-three children of school age in this city are receiving penicillin free from the Provincial Health Department for the prophylaxis of strep infection following Rheumatic Fever.

Examinations by Medical Officers:

Complete periodic examinations	14,984
Examinations on special referral	723
Re-examinations	169
Partial examinations	34
Total number of examinations	15,910
*Number of pupils with defects	6,222
Parents invited to examinations	11,469
Parents present at examinations	6,948
Pupils referred to physicians	1,020
Pupils referred to dentists	716
*Excluding teeth	

Examination by Nurses:

Periodic examinations	11,980
Examinations on special referral	31,290
Re-examination	13,236
Partial examinations	119,510
Total number of examinations	177,688
Number of pupils with defects	35,180
Pupils referred to physicians	3,234
Pupils referred to dentists	1,524

School Nursing Services

Home visits	4,441
Consultations with physicians	365
Consultations with teachers	16,855
Consultations with parents	7,725
Consultations with others	2,892
Pupils given first aid	12,646
Lectures and Talks	321
Student days	96

Dental Services

Number of operations	8,040
Number of cases completed	549

Dental Survey (Grade 2 to 8 inclusive)

Number of schools visited	112
Number of children examined	31,128
Number of children with defective teeth	25,092
Number of children without defective teeth	6,036

Dental defects are routinely referred to Family Dentists.

WELL BABY AND PRE-SCHOOL CLINICS—1954 TO 1958

	1958	1957	1956	1955	1954
Total attendance	33,672	28,011	25,413	21,515	20,791
Under 1 year	22,844	19,133	17,767	15,504	15,019
1 to 6 years	10,828	8,878	7,646	6,011	5,772
Out of town	1,292	1,128	959	1,148	1,521
Number of Clinics held					
Main Clinic	250	250	251	250	250
Average daily attendance	40	44	47	55	54
Average monthly attendance	837	916	987	1,141	1,132
South Side Clinic	250	250	251	250	250
Average daily attendance	38	36	34	31	29
Average monthly attendance	782	750	715	652	600
Woodcroft Clinic	250	250	199	.....	.....
Average daily attendance	40	32	25	.....	.....
Average monthly attendance	830	668	525	.....	.....
Eastwood Clinic	187	(Opened April 1st, 1958)			
Average daily attendance	23				
Average monthly attendance	476				
Total average attendance (4 clinics)	135	112	101	86	83
Total average monthly attendance (4 clinics)	2,806	2,334	2,118	1,796	1,733
Total new admissions	7,104	6,320	6,174	5,043	5,029
Under 1 year	5,469	4,712	4,633	3,965	3,931
1 to 6 years	1,635	1,608	1,541	1,078	1,098
Re-admissions	266	269	273	230	222
Discharged	5,623	4,859	5,086	4,002	3,682
No. of active charts transferred	976	498	808	242	312
No. of retired charts transferred	123	79	106	49	54
Total remaining on Roll	17,560	16,079	14,119	13,031	11,990
Home visits	3,473	2,767	2,728	2,693	2,147
Telephone calls	15,078	13,001	10,175	8,274	8,204
Correspondence	38	36	49	50	79
Number seen by Doctor	572	627	819	943	875
Referred to family doctor	596	489	354	265	247
Number of student days	305	251	212	222	287

Physicians were in charge at the Main clinic two afternoons a week and one afternoon a week at the other three clinics.

VICTORIAN ORDER OF NURSES

	1958	1957	1956	1955	1954
Prenatal care	1	1	5	5	30
Prenatal instructions	5	6	26	.....	.....
Postnatal care	6	1	3	4	17
Postnatal instructions	2,156	2,094	1,887	.....	.....
Newborn care	243	203	219	219	230
Newborn instructions	2,071	1,832	2,007	1,735	1,486
Medical and Surgical, etc.	14,657	14,407	9,802	13,040	12,402
Total visits	19,139	18,534	16,544	15,113	14,165
Prenatal clinics held	48	60	35	39	30
Total attendance	1,561	2,052	1,154	.....	.....
Average attendance	32	33	33	22	18

SANITATION

INSPECTIONS:	1958	1957
Dwellings	100	156
Hotels, lodging houses, apartment blocks	528	442
Schools, blocks, public buildings	51	20
Stores, bakeshops, business establishments	3,266	2,845
Restaurants	3,417	3,137
Garbage cans, etc.	146	86
Streets, lanes, yards, dumps, etc.	31	28
Aged homes	9	6
Miscellaneous (including barber shops, beauty parlors, auto courts and service stations)	918	639
Public Health Education lectures	34	.....
	<u>8,500</u>	<u>7,356</u>
Re-inspections	461	442

NOTICES:

Written	133	165
Verbal	3,299	2,673
Garbage	29	41

COMPLAINTS:

Received from public	421	369
Justified	381	327
Received from other departments	10	17
Referred to other departments	17	14
The complaints were made up as follows:		
Garbage, streets, lanes, etc.	125	88
Vermin	36	32
Housing, plumbing and drainage	99	117
Food and drink	61	51
Miscellaneous	100	81

LICENSES:

License applications investigated	3,542	3,358
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PLUMBING:

Sewer and water notices issued	14	25
Extension of time granted	3	15
Plumbing permits issued	4,526	3,777
Plumbing permits issued for old buildings	81	77
Alterations to existing plumbing (fixtures)	2,790	2,042
Privies eliminated through installation of plumbing	81	77
Number of septic tanks installed	8	10

SCAVENGING CLEAN-UP WORK:	1958	1957
Refuse removed during Clean-Up Week (cubic yards)	30,000	26,000

ANIMALS, BARNS, STYES:

Cow owners	24	33
Hog owners	14	16
Goat owners	1	2
Fur farm owners	3	6

FOOD:

Samples submitted to Provincial Laboratory	14	1
Foodstuffs condemned (pounds)	12	3,428

WATER:

Water samples taken	1	6
Negative	1	4
*Positive	---	2
Wells chlorinated	---	---
Wells condemned	---	---

*Wells condemned or further samples taken after chlorination.

POISON GAS FUMIGATION ---

ENFORCEMENT OF REGULATIONS:

*Prosecutions 3

ESTABLISHMENTS CLOSED 1

*One restaurant operator's license was refused. He continued to operate and was prosecuted. None of required improvements were made, so further prosecutions were instituted.

Number of student days 28 40

FOOD INSPECTION

MEATS INSPECTED AND CONDEMNED

BEEF:

	1958	1957	1956
Number of carcasses inspected	7,991	9,823	8,223
Carcasses condemned	15	22	25
Portions condemned	698	962	759
Weight (lbs.) of carcasses and portions condemned	13,165	22,830	21,375

VEAL:

Number of carcasses inspected	1,183	1,711	1,790
Carcasses condemned	1	1	2
Portions condemned	6	31	44
Weight (lbs.) of carcasses and portions condemned	180	280	390

MUTTON:

Number of carcasses inspected	80	80	194
Carcasses condemned	---	---	---
Portions condemned	12	---	47
Weight (lbs.) of carcasses and portions condemned	60	---	195

PORK:

Number of carcasses inspected	11,088	11,131	10,067
Carcasses condemned	1	1	1
Portions condemned	1,149	1,333	1,212
Weight (lbs.) of carcasses and portions condemned	11,165	14,205	13,500

CARCASSES FOUND TO BE INFECTED WITH T.B.

BEEF:

Infected	---	---	1
Percent	---	---	.01

PORK:

Infected	757	1,059	869
Percent	6.83	9.51	8.63

CHIEF CAUSES OF CONDEMNATION, 1958

BEEF:	Carcasses	Portions	Weight (Lbs.)
Abscess	---	587	5,890
Actinomycosis	---	100	2,005
Septicaemia	9	---	3,100
Bruised	2	1	710
Parturient	2	---	750
Miscellaneous (including contamination, black leg, uraemia, etc.)	2	8	710
	<u>15</u>	<u>698</u>	<u>13,165</u>

VEAL:

Abscess	---	2	10
Adhesions	---	4	20
Bruised	1	---	150
	<u>1</u>	<u>6</u>	<u>180</u>

MUTTON:

Parasites	---	12	60
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PORK:

Parasites	---	354	1,770
Septicaemia	4	22	815
Tuberculosis	2	735	7,720
Miscellaneous (including bruised, contamination, parturient, rhinitis)	1	38	860
	<u>7</u>	<u>1,149</u>	<u>11,165</u>

DISEASED ANIMALS

	1958	1957	1956
Beef	689	962	766
Veal	6	29	45
Mutton	12	---	47
Pork	1,095	1,117	1,033
Total amount of meat condemned (lbs.)	24,570	37,315	34,460

*FOODSTUFFS CONDEMNED BY INSPECTORS

Poultry	12	20	15
Damaged by fire, flood, etc.	---	3,408	1,849
Fish	---	---	150
*Pounds	<u>12</u>	<u>3,428</u>	<u>2,014</u>

MILK AND WATER REPORT

INSPECTIONS:

	1958		1957	
	Total No. Premises	No. of Inspections	Total No. Premises	No. of Inspections
Producer-shippers, milk	485	1,270	500	1,020
Producer-shippers, cream	63	81	59	56
Producers—Contacts	---	298	---	317
Pasteurization Plants—Contacts	---	226	---	227
Pasteurization Plants	5	338	5	226
Vehicles	---	466	---	479
Others, Complaints, etc.	---	25	---	12

LICENSES and PERMITS:

Retail milk certificates issued	---	---	---	752
Dairy Licenses issued	---	566	---	559
Dairy Licenses refused	---	---	---	---
Dairy Licenses suspended temporarily	---	11	---	18
Permits issued to cow keepers in the city	---	26	---	36

SAMPLES:

Milk samples taken, retail	---	1,301	---	1,205
Milk samples taken, shippers	---	9,406	---	10,934
Cream samples taken	---	245	---	236
Chocolate Milk samples	---	128	---	130
Ice cream samples	---	---	---	5

TESTS—MILK:

Standard Plate Counts	---	1,301	---	1,205
Coliform tests	---	498	---	495
Phosphatase tests	---	696	---	691
Methylene Blue tests	---	9,406	---	10,934

RESTAURANTS:

Swab tests of utensils	---	1,111	---	1,476
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WATER:

Standard plate counts	---	904	---	297
Coliform tests	---	904	---	297
Chlorine content checks	---	252	---	297
Raw river water plate counts	---	50	---	44

SWIMMING POOLS:

Plate counts	---	395	---	298
Coliform tests	---	395	---	298
Inspections	---	260	---	244
Student days	---	28	---	26



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