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REPORT

of the

Local Board of Health



THE CITY OF EDMONTON

ALBERTA

1951



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Sanitary Inspector.....	Overton, L. B., C.S.I. (C.)
Sanitary Inspector.....	Powell, E. C., C.S.I. (C.)
Meat Inspector.....	Morrison, Dr. D. M., V.S.
Milk and Dairy Supervisor.....	Meredith, R. B., C.S.I. (C.)
Dairy Inspector.....	Burdess, G., C.S.I. (C.)
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Stenographer.....	Craig, Miss I.
Stenographer.....	Hansch, Miss P.
Clerk.....	Davey, Mrs. F.
Clerk.....	Lang, Miss F.

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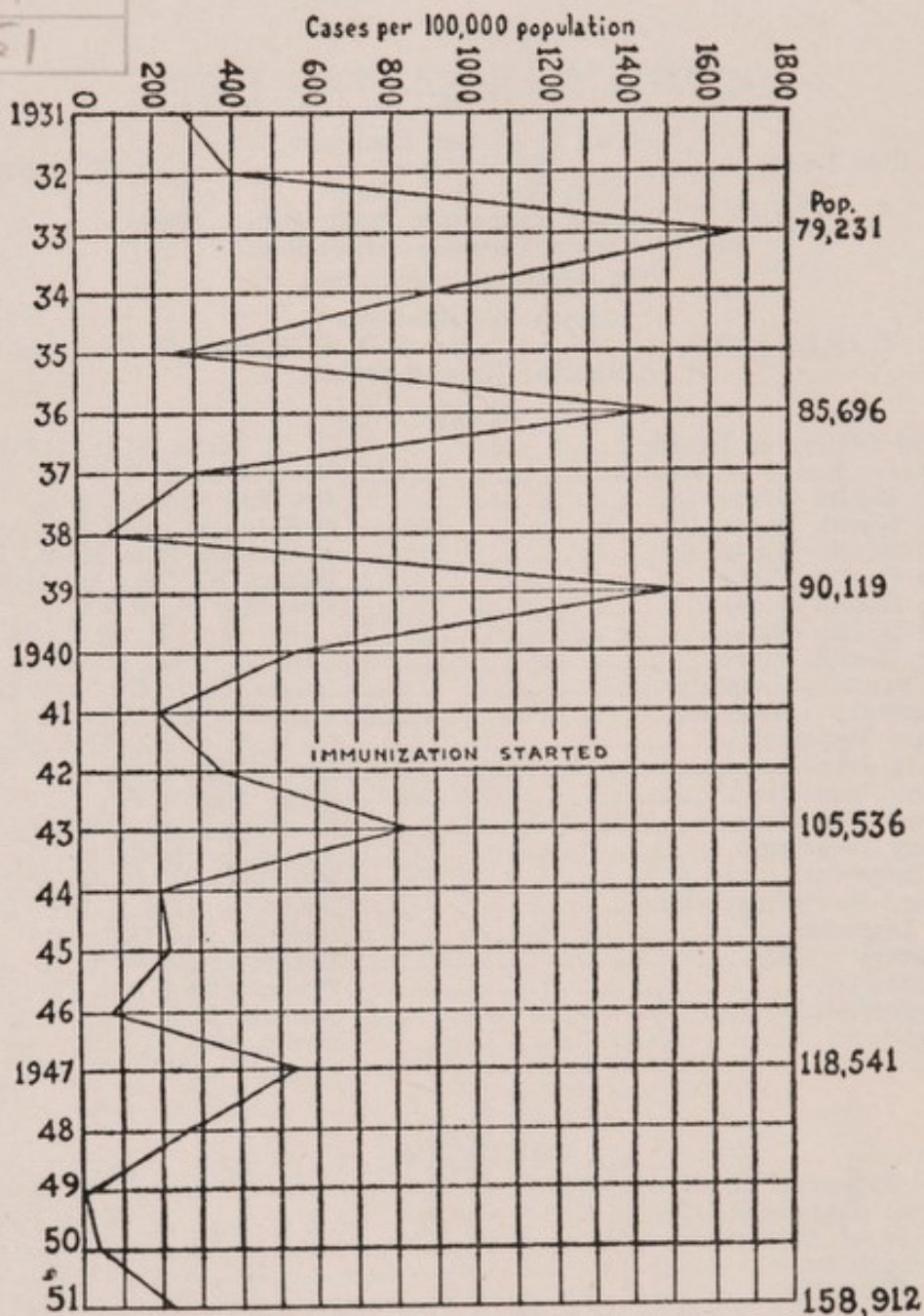
1951

LOCAL BOARD OF HEALTH

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WHOOPING COUGH MORBIDITY

EDMONTON, 1931 - 1951



This disease has been characterized by a high peak of incidence every third year until Sauer-type vaccine was introduced in 1942. Since that time these peaks are markedly lowered and are further apart. This has occurred during a period of rapid increase and overcrowding in our population.

Annual Report of the Medical Officer of Health

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

Ald. Mrs. Field and Gentlemen:

Following is a report of the activities of our Board and certain other health agencies of our City during 1951:

BIRTHS:

Resident births numbered 5,055; being an increase of 433 over 1950. The ratio of births to population showed no significant change.

DEATHS:

Resident deaths numbered 1,133; being a slight actual decrease from the previous year. Our two greatest causes of death, heart disease and cancer, both showed a decrease in number. This is an encouraging circumstance in view of the considerable increase in population during this period.

Our infant mortality rate of 23.1 per 1,000 living births was the lowest ever attained in the City, and amongst the lowest of this continent.

More than one-third of the deaths from accidents were caused by motor vehicles. In this, as in many of our community problems, regulation can produce only limited results until we promote in our citizens a sense of individual responsibility.

COMMUNICABLE DISEASE:

The total of communicable disease was reduced from the previous year. The single case of typhoid fever was from drinking untreated river water. The raw water of the North Saskatchewan at this point is not safe for drinking until purified. For the same reason, it is unsafe for swimming.

A peak was expected in the number of cases of whooping cough during 1951. The accompanying graph shows the progressive reduction in these peaks since an effective whooping cough vaccine became available in 1952.

A single case of diphtheria prevented us from having a perfect year in this regard.

A reduction of venereal disease during these times of rapid industrial development was a tribute to the Provincial Division of Social Hygiene clinics.

Our clinics showed a slight reduction in attendance during 1951 due apparently to unusually unsettled weather during the summer months. However, attendance at our Well Baby and Pre-school clinic was 14,453 for the year, and 1,992 home visits were made to problem cases and very young babies. Plans are being considered for decentralization of this service.

Attendance of our Inoculation Clinic was 19,770. It is in good part due to the efforts of this clinic that whooping cough is gradually following diphtheria into the class of rare diseases.

SANITATION:

Sanitary hazards have been steadily eliminated, and there are now few areas in our City open to complaint. However, there is a great deal of rubbish such as candy wrappers, cigarette boxes and other papers continually thrown on our streets by careless citizens. This material does not constitute a serious health hazard, but is untidy and objectionable. It is impossible for City services to keep our streets free of this rubbish without the co-operation of citizens generally.

The sanitary condition of restaurants, stores and other food-handling establishments has shown steady improvement as indicated by the results of over 1,200 bacteriological tests made on utensils used in these places.

The sanitation of rooming houses and certain other dwellings still presents many problems. To correct overcrowding of living space and occupation of substandard dwellings requires that other acceptable accommodation be available to citizens living under such conditions. Unfortunately, our City has not yet arrived at this happy state. It is still a very formidable problem. Many citizens have complained of such undesirable premises in their neighborhood. It is obvious that the answer cannot lie in attempting to enforce regulations which are impossible on account of lack of housing. Yet we must persist in our efforts to solve this problem, for it is closely bound up with the mental and physical health and also the happiness of many citizens.

Daily samples of our water supply have been examined. Early in the year, a number of cases of typhoid fever occurred in people drinking raw water from the river upstream from the City. The fact that no case occurred amongst the citizens using our municipal water supply is a tribute to the effectiveness of the city water treatment plant.

Our veterinarian condemned 34,000 pounds of diseased meats during the year. The greatest single cause continues to be tuberculosis in pork, which accounted for over 18,000 pounds.

Inspection of the 436 dairy farms in our milk shed was maintained, as well as supervision of local dairy plants. The results of over 11,000 tests made on milk samples indicates a high level of safety in our milk supply.

GENERAL:

During the last nine months of 1952 the Provincial Government made available to us substantial sums of money for public health purposes. These grants were derived from both provincial and federal funds. It is heartening that these senior governments should recognize our needs and are willing to help us meet them with such tangible support. The funds have permitted us to strengthen and extend health services to our citizens. The grants are continuing.

Our City has reached a size at which we must gradually decentralize certain health services in order to serve our people adequately.

Our population is a comparatively healthy one. Our climate, given adequate food, clothing and shelter, is a healthy one and to many of us the most desirable for year-round living. Our hospitals and medical services are amongst the best in the land. We are attempting to make our preventive health services as effective as modern medical science and a well trained staff of health workers can accomplish.

Many very difficult problems are presented to all such services by the rapid increase in our population; but with the co-operation of citizens, tintured perhaps by a little tolerance, we believe that Edmonton can become known as a most healthy and happy place to live.

Respectfully submitted,

G. M. LITTLE,
MEDICAL OFFICER OF HEALTH.

EXPENDITURES

	1951	1950
1. Salaries	\$ 68,943.91	\$ 62,299.35
2. Supplies	2,158.66	1,766.74
3. Transportation	5,031.44	5,135.17
4/6. Telephones, Sundries, Uniforms	4,274.78	1,906.17
7. Pensions	6,468.36	4,788.87
REVENUE	\$ 86,877.15	\$ 75,896.30
Permits	\$ 238.25	
Meat Inspection	719.40	
Prov. Govt. Grant	23,853.78	
License Dept.	1,500.00	
	\$26,311.43	5,122.75
	\$ 60,565.72	\$ 70,773.55
Cost per Capita		
Local Board of Health	\$ 86,877.15 .55c	\$ 75,896.30 .51c
School Medical Services	63,060.00	47,264.48
	\$149,937.15 .94c	\$123,160.78

EXPENDITURE CLASSIFIED—1951

	Administration	Communicable Disease	Dairy Inspection	Food Inspection	Public Health Nursing	Sanitation	Vital Statistics	Bath House	TOTALS
1. Salaries	\$12,454.88	\$10,793.05	\$7,210.17	\$4,902.30	\$ 9,721.16	\$22,482.05	\$1,195.10	\$185.20	\$68,943.91
2. Supplies	1,365.31	210.54	45.16		231.84	153.48	53.84	98.49	2,158.66
3. Transportation	480.00	854.78	1,057.64	300.00	657.65	1,681.37			5,031.44
4. Telephones	149.72	65.76	38.79	17.76	65.76	70.80			408.59
5. Sundries	2,616.46	463.28	44.53	30.48	349.97	28.05			3,532.77
6. Uniforms				35.70	184.86	112.86			333.42
7. Pensions	6,468.36								6,468.36
	\$23,534.73	\$12,387.41	\$8,396.29	\$5,286.24	\$11,211.24	\$24,528.61	\$1,248.94	\$283.69	\$86,877.15
	27.2%	14.3%	9.7%	6.1%	12.9%	28.2%	1.5%	.3%	100%

SUMMARY OF STATISTICS

Area of City, 26,778 acres including 1,000 acres of water and 2,147 acres in Parks.

	1951	1950	1949	1948	1947
Population	158,912	148,861	137,469	126,609	118,541
Persons per acre of land	5.9	5.4	5.0	4.7	4.4
Cost per capita .....	.54	.51	.52	.51	.46
School enrolment	24,904	23,306	21,452	19,859	19,071
Natural increase of population	3,922	3,481	3,282	2,935	2,920
Births					
Total births	7,459	6,813	6,514	5,928	6,019
Resident births only	5,055	4,622	4,246	3,938	3,838
Resident rate per 1,000 population	31.1	31.3	30.8	31.1	32.3
Stillbirths					
Total stillbirths	115	82	97	90	109
Resident stillbirths only	79	59	57	54	62
Resident stillbirth rate per 1,000 living births	15.5	12.8	13.4	13.7	16.1
Deaths					
Total deaths	1,682	1,694	1,556	1,609	1,482
Resident deaths only	1,133	1,141	964	1,003	819
Resident rate per 1,000 population	7.1	7.6	7.0	7.9	7.7
Infant Mortality					
Total deaths under 1 year of age	183	196	161	204	201
Resident deaths under 1 year of age	117	118	99	126	123
Resident rate per 1,000 living births	23.1	25.5	23.3	31.9	32.0
Maternal Mortality					
Maternal deaths (city only)	1	1	2	1	1
Rate per 1,000 living births .....	.19	.21	.47	.25	.27
Marriages					
Marriages	2,722	2,649	2,539	2,490	2,374
Rate per 1,000 population	17.7	17.2	18.4	19.6	20.0

VITAL STATISTICS

	1951	1950	1949	1948	1947
Total births	7,459	6,813	6,514	5,928	6,019
Resident births only	5,055	4,622	4,246	3,938	3,838
Male	2,581	2,357	2,197	2,121	2,008
Female	2,474	2,265	2,049	1,817	1,830
Double births	52	43	44	42	39
Resident illegitimate births	198	196	211	188	145
Total illegitimate births	394	390	441	436	373
Born in institutions	5,051	4,621	4,239	3,934	3,829
Maternal Parentage:					
Canada	4,475	4,156	3,769	3,463	3,095
British Isles	223	209	245	290	473
Europe and Asia	250	155	146	114	161
U.S.A.	92	68	87	62	92
Other Countries	15	4	9	9	17

RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND ORDER OF BIRTH

	-20	20-24	25-29	30-34	35-39	40-44	45	Number	%
1st Child	275	878	512	161	58	8	—	1,892	37.4
2nd Child	39	522	619	287	103	20	—	1,590	31.6
3rd Child	4	151	362	252	131	16	1	917	18.1
4th Child		33	113	138	80	17	1	382	7.6
5th Child		9	33	46	49	12	2	151	3.0
6th Child			11	20	27	6	—	64	1.3
7th Child			1	7	17	2	1	28	.5
8th Child			2	4	7	2	—	15	.3
9th Child					5	2	1	8	.1
10th and over				1	4	3		8	.1
TOTAL	318	1,593	1,653	916	481	88	6	5,055	100%

Stillbirths

	1951	1950	1949	1948	1947
Total stillbirths	115	82	97	90	109
Resident stillbirths only	79	59	57	54	62
Male	35	21	31	30	31
Female	44	38	26	24	31
Born in institutions	79	59	57	54	62
Cause of Foetal deaths:					
Dystocia	28	21	21	13	23
Prematurity	5	5	6	8	6
Toxaemia of pregnancy	4	6	6	7	5
Malformation	—	10	13	8	9
Placenta and membranes	10	5	9	6	8
Traumatism and overwork	1	1	—	—	1
Syphilis	2	1	—	1	—
Other conditions	29	10	7	11	10

Deaths

	1951	1950	1949	1948	1947
Total deaths	1,682	1,694	1,556	1,609	1,482
Resident deaths only	1,133	1,141	964	1,003	913
Male	675	695	580	600	553
Female	458	446	384	403	365
Resident rate per 1,000 population	7.1	7.6	7.0	7.9	7.7

Racial Origin

	1951	1950	1949	1948	1947
Canada	481	384	295	282	279
British Isles	361	381	346	399	355
Europe and Asia	210	224	180	197	196
U.S.A.	73	64	54	65	40
Others	108	88	88	60	48

Infant Mortality

	1951	1950	1949	1948	1947
Total deaths under 1 year of age	183	196	161	204	201
Resident deaths under 1 year of age	117	118	99	126	123
Male	72	66	50	80	72
Female	45	52	49	46	51
Legitimate	100	114	91	113	106
Infant mortality rate per 1,000 living births	23.1	25.5	23.3	31.9	32.0

INFANT MORTALITY, 1951

	SEX		BY MONTH												BY AGE										
	Male	Female	January	February	March	April	May	June	July	August	September	October	November	December	1st Day	1st Week	2nd Week	3rd Week	4th Week	Total Under 1 Month	1-3 Months	4-6 Months	7-9 Months	10-12 Months	
057 Meningococcal infections	1	1												1							1				
212 Benign neoplasm of respiratory system.....	1	1	1	1																	1				
229 Benign neoplasm of other and unspecified organs	1	1	1																		1				
434 Other and unspecified diseases of heart	1	1											1									1			
473 Acute Tonsillitis	1	1										1									1				
480/1 Influenza	2	1	1							1		1									1				
490/3 Pneumonia	8	5			2	1				1	1	3									4	2	2		
501 Bronchitis unqualified	1	1			1																		1		
570/1 Other diseases of intestines and peritoneum	3	1				1					1	1					1	1		1	1		1		
751 Spina bifida and meningocele	2	1			1			1									1	1		2					
752 Congenital hydrocephalus	4	2		2				1		1					1		1	1				2			
753 Other congenital malformations or nervous system	2	2				1						1													
754 Congenital malformations of circulatory system	7	4	2	2					1			1	2	1	1	1			1	3	2	1	1		
756 Congenital malformations of digestive system	3	2	1		1						1	1			1		2			3					
757 Congenital malformations of genitourinary system	1	1										1					1			1					
758 Congenital malformations of bone and joint	1	1								1									1						
759 Other and unspecified congenital malformations	5	3	2				2			1										1					
760 Intracranial and spinal injury at birth.....	2	2			1					1					2	3	1			4		1			
761 Other birth injury	2	2	1		1										1	1	1			2					
762 Postnatal asphyxia and atelectasis.....	26	21	2	1	2	2	3	1	3	3	2	1	4	2	16	7	1	1		25	1				
763 Pneumonia of newborn	3	2	1											2	2	2				2					
769 Neonatal disorders arising from maternal toxæmia	1	1		1											1					1					
770 Haemolytic disease of newborn.....	2	1				1	1									2				2					
771 Haemorrhagic disease of newborn.....	1	1					1								1					1					
774 Immaturity with mention of any other condition	2	2		1		1									1		1			2					
776 Immaturity unqualified	24	19	3	4			1	6	3	1	1		3	2	17	4	2			23	1				
780 Certain symptoms referable to nervous system	1	1						1																	
795 Ill-defined and unknown causes	1	1										1									1			1	
916 Accident caused by fire	1	1										1												1	
921 Inhalation and digestion of food causing suffocation	3	1	2		1						1			1		1			1	2	1				
924 Accidental mechanical suffocation in bed or cradle	4	2	2					1			1		2								4				
TOTALS	117	72	45	8	12	10	7	10	9	8	9	8	13	12	11	44	20	9	3	79	20	11	7		

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1951

	Total		Under 1		1-5		5-14		15-19		20-29		30-39		40-49		50-59		60-69		70-79		80 & over	
	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.....	13	9	4						1				1		4	2	2	1	2					
3. Syphilis and Sequelae.....	2	2															1				1			
10. Meningococcal infections.....	2	1	1	1									1						1					
17. All other diseases classified as infective and parasitic.....	2	2																						
18. Malignant Neoplasms.....	191	96	95						1	3	2	4	6	7	9	19	18	33	26	21	23	9	10	
19. Benign and unspecified Neoplasms.....	6	3	3	2					1	1	1	1	1	1				1	1					
20. Diabetes Mellitus.....	15	7	8						1	1	1	1	1	1				1	1	3	3	1	2	
21. Anaemias.....	5	3	2	1														2		1	1			
22. Vascular lesions affecting central nervous system.....	126	57	60									2		5	2	5	8	20	15	15	25	10	19	
23. Nonmeningococcal meningitis.....	1		1																1					
24. Rheumatic fever.....	2	1	1															1						
25. Chronic rheumatic heart disease.....	13	6	7									2	2		1	2		2	2	1			1	
26. Arteriosclerotic and degenerative heart disease.....	258	180	78		1								4		9	3	29	7	52	22	53	22	32	24
27. Other disease of heart.....	22	11	11	1									1				1	4	2	3	6	1	3	
28. Hypertension with heart disease.....	34	17	17														4	3	5	8	7	2	5	
29. Hypertension without mention of heart.....	15	11	4										1			1	1	2	1	5	1	2		
30. Influenza.....	4	2	2	1	1																1	1		
31. Pneumonia.....	42	24	18	3	5	1	1	1				1	1		1			5	2	8	4	4	5	
32. Bronchitis.....	6	6	2	1	1																	2	2	
33. Ulcer of stomach and duodenum.....	8	6	2										1					1	3		2	1		
34. Appendicitis.....	2	2			1																1			
35. Intestinal obstruction and hernia.....	10	5	5	1											1			2	1	1	2	1	1	
36. Gastritis, duodenitis, enteritis and colitis except diarrhoea of the newborn.....	4	1	3	2															1	1				
37. Cirrhosis of liver.....	4	2	2																		1	2		
38. Nephritis and nephrosis.....	11	8	3						1				1		2		1	1	1	2		2		
39. Hyperplasia of prostate.....	5	5																	1		2		2	

Abridged International Classification of Cause of Death, 1951 (Continued)

	Total	M	F	Under 1	1-5	5-14	15-19	20-29	30-39	40-49	50-59	60-69	70-79	80 & over
				M	F	M	F	M	F	M	F	M	F	M
40. Complications of pregnancy, childbirth and puerperium.....	1	...	1	...	...	...	...	...	1	...	...	...	...	...
41. Congenital malformations	28	15	13	14	11	...	...	1	...	...	...	...	...	...
42. Birth injuries, postnatal asphyxia, and atelectasis	30	21	9	21	9	...	...	...	...	...	1	...	...	...
43. Infections of the newborn	3	2	1	2	1	...	...	...	...	...	...	...	...	...
44. Other diseases of early infancy, and immaturity un-qualified	30	23	7	23	7	...	...	...	...	...	...	...	...	...
45. Senility without mention of psychosis, ill-defined, and unknown causes	18	7	11	1	1	...	...	...	1	...	...	...	...	...
46. All other diseases	129	75	54	...	1	3	1	2	2	6	3	4	12	3
47. Motor vehicle accidents	32	28	4	...	1	2	1	8	...	2	...	...	6	3
48. All other accidents	47	32	15	3	5	2	1	5	...	2	1	1	3	2
49. Suicide and self-inflicted injury	11	5	6	...	...	...	1	...	1	2	1	...	2	2
50. Homicide and operations of war.....	1	...	1	...	...	...	...	...	1	...	...	...	...	...
Totals	1133	675	458	72	45	7	4	5	12	4	18	13	29	18
										37	26	82	49	165
										94	157	108	92	90

PRINCIPAL CAUSES OF DEATH, 1951

		Total	Male	Female	% of Total Deaths	Rate per 100M Population
410-434	Diseases of the heart.....	280	191	89	24.7	176.2
140-205	Malignant neoplasms, including neoplasms of lymphatic and haematopoietic tissues.....	191	96	95	16.0	120.2
330-334	Vascular lesions affecting central nervous system.....	126	57	69	10.2	79.3
800-999	External causes.....	91	65	26	7.1	57.3
750-776	Diseases of early infancy.....	91	61	30	7.1	57.3
440-447	Hypertension.....	49	28	21	4.3	30.8
490-493	Pneumonia.....	42	24	18	3.7	26.4
269	Diabetes Mellitus.....	15	7	8	1.3	9.4
001-008	Tuberculosis of respiratory system.....	13	9	4	1.1	8.1
590-594	Nephritis and Nephrosis.....	11	8	3	.8	6.9
	All other diseases.....	224	129	95		
		1133	675	458		

MORTALITY FROM HEART DISEASE

Year	Total Deaths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1951	1133	280	24.7	176.2
1950	1141	291	25.5	195.4
1949	964	287	29.7	208.7
1948	1003	291	29.0	238.5
1947	918	260	25.9	219.3

MORTALITY FROM CANCER

Year	Total Deaths	Deaths From Cancer	Percentage of Total Deaths	Rate per 100M Population
1951	1133	191	16.0	120.2
1950	1141	203	17.7	136.4
1949	964	159	16.4	115.6
1948	1003	160	15.9	126.3
1947	918	143	15.5	120.6

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths From This Cause	Percentage of Total Deaths	Rate per 100M Population
1951	1133	126	10.2	79.3
1950	1141	124	10.7	84.2
1949	964	101	12.5	74.1
1948	1003	113	11.1	89.2
1947	918	85	9.2	71.7

MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths From Tuberculosis	Percentage of Total Deaths	Rate per 100M Population
1951	1133	13	1.1%	8.1
1950	1141	22	1.9	14.9
1949	964	25	2.5	18.1
1948	1003	33	3.2	26.0
1947	918	28	3.0	23.6

MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths From Pneumonia	Percentage of Total Deaths	Rate per 100M Population
1951	1133	42	3.7	26.4
1950	1141	39	3.4	26.0
1949	964	47	4.8	41.4
1948	1003	48	4.7	38.7
1947	918	56	6.1	47.2

MORTALITY FROM EXTERNAL CAUSES

Year	Total Deaths	Deaths From External Causes	Male	Female	Suicide	Homicide	Automobile Accidents	Other Accidents	Percentage of Deaths	Rate Per 100M Population
1951	1133	91	65	26	11	1	32	47	7.1	57.3
1950	1141	98	71	27	14	5	29	50	8.5	65.8
1949	964	73	57	16	10	3	20	40	7.4	53.0
1948	1003	57	40	17	6	....	17	34	5.6	45.8
1947	918	56	46	10	8	....	17	31	6.1	47.2

IMMUNIZATION RECORD, 1951

	Board of Health	Edmonton Public School Board	Edmonton Sep. School Board	Private Physicians
Diphtheria				
1st dose	3,178	772	292	213
Re-inforcing doses	431	2,608	—	—
Total doses	11,178	4,522	546	....
Whooping Cough				
1st dose	3,157	....	....	205
Re-inforcing doses	2,818	....	....	....
Total doses	13,438	....	....	....
Scarlet Fever				
1st dose	366	....	....	11
Re-inforcing doses	242	....	....	....
Total doses	1,877	....	....	....
Tetanus				
1st dose	3,204	....	....	124
Re-inforcing doses	7	....	....	....
Total doses	10,568	....	....	....
Typhoid				
1st dose	74	....	....	12
Re-inforcing doses	23	....	....	....
Total doses	217	....	....	....
Smallpox				
Smallpox vaccinations	2,270	1,692	248	692
Cholera				
1st dose	3	....	....	....
Total doses	5	....	....	....
Typhus				
1st dose	3	....	....	....
Total doses	6	....	....	....
Rocky Mountain Spotted Fever				
1st dose	5	....	....	....
Total doses	13	....	....	....
Dick test	74	....	....	2
Schick test	15	....	....	2
Anti-Measles serum	....	....	....	67

IMMUNIZATION CLINIC

	1951	1950	1949	1948
No. of persons receiving first doses	8,688	9,235	10,703	7,325
No. of persons receiving re-inforcing doses	2,731	2,847	2,949	2,970
Total procedures	41,185	36,216	37,910	27,837
Attendance	19,770	21,624	24,811	18,177
No. of clinics held	248	250	249	249
Average attendance	80	86	100	73

During the year there were 124 student days.

COMMUNICABLE DISEASES, 1951 - 1946

	1951		1950		1949		1948		1947	
	C	D	C	D	C	D	C	D	C	D
Chickenpox.....	2,154	....	1,327	....	1,209	....	927	....	1,468	....
Diphtheria.....	1	....	1	....	2	1	2	....	6	....
Diphtheria carriers.....	....	....	2	....	2	....	12	....	4	....
Dysentery.....	2	....	1	....	3	....	2	1	....	....
Encephalitis.....	1	....	5	2	....	....	....	....	3	1
Erysipelas.....	11	....	14	....	17	....	22	....	17	....
Food Poisoning.....	4	....	5	....	5	....	....	....	....	....
Influenza.....	....	4	....	3	....	3	....	....	....	2
Hepatitis (infectious).....	5	....	1	....	....	....	....	....	1	....
Malaria.....	....	....	....	....	1	....	....	....	3	....
Measles.....	3,114	....	465	1	3,080	1	1,285	....	925	....
Meningitis (Meningococcic).....	3	....	2	....	5	....	2	1	2	....
Mononucleosis (infectious).....	3	....	5	....	5	....	....	....	1	....
Mumps.....	759	....	2,345	....	424	1	196	1	300	....
Paratyphoid.....	....	....	....	....	....	....	7	....	1	....
Paratyphoid carrier.....	....	....	....	....	....	....	1	....	....	....
Pneumonia (lobar).....	....	7	....	9	....	6	....	2	....	5
Poliomyelitis.....	9	....	38	2	28	....	88	6	....	....
Ringworm (microsporon audouini)...	3	....	10	....	7	....	....	....	....	....
Ringworm (others).....	....	....	1	....	4	....	....	....	....	....
Rubella.....	180	....	2,604	....	788	....	118	....	87	....
Scarlet Fever.....	514	....	499	2	121	....	83	....	79	....
Septic Sore Throat.....	9	....	29	1	7	....	2	....	1	....
Trachoma.....	....	....	....	....	1	....	....	....	....	....
Tuberculosis (Pulmonary).....	91	13	114	19	91	23	140	26	98	20
Tuberculosis (other forms).....	31	....	23	3	12	2	....	7	5	8
Typhoid Fever.....	1	....	....	....	1	....	1	....	....	....
Typhoid carriers.....	....	....	....	....	1	....	....	....	....	....
Undulant Fever.....	....	1	4	....	2	....	1	....	9	....
Vincent's Angina.....	9	....	12	....	4	....	9	....	7	....
Whooping Cough.....	345	....	30	....	3	....	364	2	628	2
Venereal Disease—										
Gonorrhoea.....	757	....	824	....	703	....	808	....	666	....
G. C. Vaginitis.....	....	....	....	....	....	....	....	....	8	....
Syphilis.....	63	2	43	5	83	4	95	5	104	5
Type Undetermined.....	....	....	....	....	....	....	16	....	4	....
	8,069	27	8,303	47	6,590	41	4,181	51	4,423	48
Morbidity per 1,000 population.....	5.07	....	55.7	....	47.8	....	33.0	....	37.2	....
C—Cases.	D—Deaths.									

Communicable disease was responsible for 27 or 2.5% of the 1,133 City deaths during 1951.

Of these 27 deaths, 22 were over 20 years of age. 13 died from Pulmonary Tuberculosis and 2 from Syphilis.

37.2% or 3,114 cases of communicable disease were Measles; Chickenpox accounted for 2,154 or 26.6%; Scarlet Fever 514 cases or 6.3%, and Whooping Cough 345 or 4.2%.

	No. of Cases	Percent of Cases	No. of Deaths	Percent of Deaths
Pre-school cases—1 to 5 years.....	2,871	35.5%	4	14.8%
School cases —6 to 14 years.....	3,821	47.4%	1	3.0%
Over 14.....	1,294	16.0%	22	82.2%
Age not stated.....	71	.9%	....	....
Armed forces.....	12	.2%	....	....

COMMUNICABLE DISEASE BY SEASON AND SEX, 1951

	Total	Male	Female	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Out- Side
Chickenpox.....	2154	1039	1115	253	151	123	130	172	203	231	107	88	180	260	256	10
Diphtheria.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Dysentery.....	2	2	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
Encephalitis.....	1	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Erysipelas.....	11	6	5	4	.....	1	.....	.....	1	1	2	.....	1	1	.....	4
Food Poisoning.....	4	4	.....	.....	.....	.....	.....	.....	1	1	2	.....	.....	.....	.....	.....
Hepatitis (Infectious).....	5	3	2	.....	.....	3	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Measles.....	3114	1523	1591	13	55	99	335	924	981	429	116	51	18	39	54	30
Meningitis (mening.).....	3	1	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	1	2
Mononucleosis (Infections).....	3	3	.....	.....	.....	.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....
Mumps.....	759	374	385	190	162	134	96	39	31	16	10	19	11	22	29	12
Paratyphoid.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Polioomyelitis.....	9	5	4	.....	.....	.....	.....	.....	.....	1	4	4	.....	.....	.....	10
Ringworm (microsporan audouini).....	3	3	.....	.....	.....	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....
Rubella.....	180	91	89	16	13	8	19	21	25	7	10	22	23	9	7	4
Scarlet Fever.....	514	247	267	72	36	67	40	44	33	13	26	38	55	37	53	71
Septic Sore Throat.....	9	4	5	3	1	2	1	.....	.....	.....	.....	.....	2	.....	.....	1
Tuberculosis (other forms).....	31	20	11	.....	2	1	7	.....	9	4	1	3	.....	2	2	3
Tuberculosis (pulm.).....	91	47	44	.....	5	7	5	15	11	12	4	13	3	11	5	8
Typhoid.....	1	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
Vincent's Angina.....	9	3	6	.....	.....	1	.....	.....	.....	1	.....	4	.....	3	.....	3
Whooping Cough.....	345	159	186	5	3	20	50	44	26	28	41	37	44	28	19	19
Veneral Disease.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gonorrhoea.....	757	494	263	68	40	66	86	59	39	62	84	46	49	70	88	.....
Syphilis.....	63	26	37	.....	20	3	3	6	2	3	8	3	3	3	9	.....
TOTALS.....	8069	4056	4013	625	488	536	776	1328	1364	809	415	329	389	487	523	184
DEATHS	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Influenza.....	4	2	2	.....	.....	.....	1	.....	.....	.....	1	.....	2	.....	.....	.....
Lobar Pneumonia.....	7	5	2	.....	1	1	.....	.....	.....	1	.....	.....	3	.....	1	.....
Syphilis.....	2	2	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Tuberculosis (pulmonary).....	13	9	4	1	1	.....	1	1	1	1	1	4	.....	.....	2	.....
Undulant Fever.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
TOTALS.....	27	19	8	1	2	2	2	1	1	2	2	5	5	.....	4	.....

COMMUNICABLE DISEASE BY AGE, 1951

	City Cases	Male	Female	Under 1	1/4	5/14	15/19	Over 20	Not Stated	Armed Forces	Non- resident
Chickenpox.....	2,154	1,039	1,115	116	730	1,205	34	56	13	...	10
Diphtheria.....	1	1	...	...	1	...	...	...	...	...	...
Dysentery.....	2	2	...	...	1	1	...	...	...	...	...
Encephalitis.....	1	1	...	...	...	...	...	1	...	...	1
Erysipelas.....	11	6	5	1	...	1	...	9	...	...	4
Food Poisoning.....	4	4	...	...	...	...	...	2	...	2	...
Hepatitis (Infectious).....	5	3	2	...	...	3	1	...	...	1	...
Measles.....	3,114	1,523	1,591	109	1,326	1,595	14	40	27	3	30
Meningitis (mening.).....	3	1	2	2	...	1	...	...	...	...	2
Mononucleosis (Infectious).....	3	3	...	...	...	...	2	1	...	...	...
Mumps.....	759	374	385	5	159	451	51	90	2	1	12
Paratyphoid.....	...	...	...	...	...	...	...	...	...	...	2
Poliomyelitis.....	9	5	4	...	3	3	...	3	...	...	10
Ringworm (Microsporum audouinii).....	3	3	...	...	...	1	1	...	...	1	...
Rubella.....	180	91	89	16	74	63	11	12	2	2	4
Scarlet Fever.....	514	247	267	...	119	343	24	28	...	...	71
Septic Sore Throat.....	9	4	5	...	1	3	3	2	...	...	1
Tuberculosis (Pulmonary).....	91	47	44	...	...	2	7	65	17	...	8
Tuberculosis (other forms).....	31	20	11	1	2	3	3	20	2	...	3
Typhoid.....	1	...	1	...	...	...	...	1	...	...	4
Undulant Fever.....	...	...	...	...	...	...	...	...	...	...	...
Vincent's Angina.....	9	3	6	...	7	1	...	...	...	1	3
Whooping Cough.....	345	159	186	55	141	143	5	1	...	...	19
Venereal Disease.....	...	...	...	...	...	...	...	...	...	...	...
Gonorrhoea.....	757	404	253	...	2	2	91	656	6	...	...
Syphilis.....	63	26	37	...	...	...	8	52	2	1	...
TOTALS.....	8,059	4,056	4,013	305	2,566	3,821	255	1,039	71	12	184

DEATHS

Influenza.....	4	2	2	2	...	...	...	2	...	...	...
Lobar Pneumonia.....	7	5	2	1	1	...	...	5	...	...	...
Syphilis.....	2	2	2
Tuberculosis (Pulmonary).....	13	9	4	1	12
TOTALS.....	1	1	1

TOTALS

TOTALS.....	27	19	8	3	1	...	1	22
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ISOLATION HOSPITAL

Seven hundred and fifty-five patients were admitted to the Isolation Hospital during 1951. There were 39 outpatients and 2 patients died.

The admissions to the hospital were for the following causes:

Scarlet fever	402	Erysipelas	13
Diphtheria	1	Measles	73
Poliomyelitis	19	Rubella	6
Meningitis (mening.)	8	Whooping Cough	53
Tuberculosis	13	Chickenpox	17
Typhoid Fever	5	Mumps	31
Paratyphoid	2	Septic sore throat	7
Encephalitis	2	Vinent's Angina	4
		Others	97

SCHOOL MEDICAL SERVICES

	Public School Board	R.C. Separate School Board
Complete examinations	7,793	1,730
Number reported with defects	2,934	461
Number reported without defects	4,859	1,269
Parents present at examinations	3,846	1,096
Home visits by nurses	692	131
Talks to classes	37	....

TUBERCULOSIS CONTROL

	1951	1950	1949	1948
Cases—Pulmonary Tuberculosis	91	114	91	140
All other forms	31	23	12	....
Deaths—Pulmonary Tuberculosis	13	19	23	26
All other forms .....	....	3	2	7
*Rate—Pulmonary Tuberculosis	57.0	70.	66.1	110.6
All other forms	8.1	15.4	8.9	....
Nonresident Pulmonary Tuberculosis	8	....	13	12
Nonresident all other forms of T.B.	3	2	....	1
Mobile X-ray Clinic	9,902	....	....	61,699

Kinsmen's Club Service

Total visits by nurse	4,739	2,007	1,986	2,585
Visits to T.B. cases	740	693	610	709
Visits to contact cases	1,786	1,063	1,102	1,596
Observation visits	315	251	220	240
Tuberculin tests made in homes	423	....	....	....

*Rate per 100,000 population.

WELL BABY AND PRE-SCHOOL CLINIC

	1951	1950	1949	1948	1947
Number of clinics	249	250	249	232	240
Attendance under 1 year.....	10,408	10,954	10,429	9,594	10,260
Attendance over 1 year of age....	4,045	4,368	4,823	3,793	1,690
Total attendance	14,453	15,322	15,272	13,387	11,950
Average attendance	58	61	61	58	50
New admissions under 1 year.....	2,842	2,869	2,768	2,417	2,564
New admissions over 1 year.....	763	723	829	784	511
Re-admissions	153	113	121	123	109
Referred to Family Doctor.....	137	170	135	112	107
Out-of-Town cases	1,232	886	....	....	....
New admissions from Out-of-Town	457	370	356	335	225

3,406 were discharged due to school age or non-attendance, this leaves 9,755 on the active roll.

Medical examinations were under the supervision of Dr. D. B. Leitch. 522 children were examined by the doctor.

1,992 home visits were made to problem cases and very young babies.

During the year there were 185 student days.

VICTORIAN ORDER OF NURSES

	1951	1950	1949	1948	1947
Pre-natal visits	43	84	165	295	171
Obstetrical (nursing care)	7	....	9	6	11
Obstetrical (advice)	1,187	1,145	1,353	1,470	1,447
Newborn (nursing care)	322	432	559	711	754
Newborn (health supervision).....	1,369	1,474	1,576	1,358	1,303
Other visits	7,608	5,615	5,157	5,609	3,922
Total visits	10,536	8,750	8,819	8,449	7,602
Pre-natal clinics	36	35	....	50	50
Total attendance	572	393	391	550	528
Average attendance	16	11	....	11	10
Mothers enrolled	104	100	58	114	115

SANITATION

INSPECTIONS:

	1951	1950
Dwellings	314	216
Hotels, lodging houses, apartment blocks.....	313	271
Schools, blocks, public buildings	20	67
Stores, bakeshops, business establishments	4,056	4,053
Restaurants	3,391	3,025
Garbage cans, etc.	518	417
Streets, lanes, yards, dumps, etc.	87	79
Miscellaneous	563	785
	9,262	8,913
Re-inspections	387	465

NOTICES:

Written	209	287
Verbal	1,671	569
Garbage	128	63

COMPLAINTS:

Received from public	556	545
Justified	490	438
Received from other departments	17	23
Referred to other departments	80	46

The complaints were made up as follows:

Garbage, streets, lanes, etc.	189	204
Vermin	43	32
Housing, plumbing and drainage	212	188
Food and drink	53	52
Miscellaneous	59	69

LICENSES:

License applications investigated	3,185	2,936
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PLUMBING:

Sewer and water notices issued	12	11
Sewer and water installed, buildings removed, etc.	14	14
Extension of time granted	18	23
Plumbing permits issued	2,531	3,383
Plumbing permits issued for old buildings	97	41
Alterations to existing plumbing (fixtures)	1,324	1,241
Privies eliminated through installation of plumbing	97	41
Number of septic tanks installed	4	6

DISINFESTING STATION:

Baths	3,052	3,539
Verminous	1	3
Scabies	73	89
Disinfested	74	91
No. of Men Washing Clothes	2,254	2,683
Units Washed	6,762	8,049

SCAVENGING CLEAN-UP WORK:

Refuse removed during Clean-up Week (cubic yards).....	12,130	11,766
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ANIMALS, BARNS, STYES:

Cow owners	118	171
Hog owners	57	51
Goat owners	13	15
Fur farm owners	56	62

FOOD:

Samples submitted to Provincial Laboratory.....	3	2
Foodstuffs condemned (lbs.)	5,200	3,573

WATER:

Water samples taken	8	33
Negative	2	9
*Positive	6	3
*Suspicious		
For fluorine	13	21
Wells chlorinated	3	2
Wells placarded	2	1

*—Wells condemned or further samples taken after chlorination.

HOUSING:

Necessary notices were issued in connection with vermin, overcrowding and other insanitary conditions which were checked in 314 dwellings and 313 hotels, lodging houses, apartment blocks, etc.

POISON GAS FUMIGATION:

Hydrocyanic acid gas eliminated vermin from two establishments.

ENFORCEMENT OF REGULATIONS:

Prosecutions
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FOOD INSPECTION

MEATS INSPECTED AND CONDEMNED

Beef	1951	1950	1949
No. of carcasses inspected	2,634	2,618	2,763
Carcasses condemned	28	8	21
Portions condemned	299	191	234
Weight (lbs.) of carcasses and portions condemned	17,340	7,305	13,380
Veal:			
No. of carcasses inspected	961	1,642	2,168
Carcasses condemned	6	4	4
Portions condemned	26	49	69
Weight (lbs.) of carcasses and portions condemned	1,515	1,755	1,955
Mutton:			
No. of carcasses inspected	112	225	404
Carcasses condemned	4	5	9
Portions condemned	18	5	15
Weight (lbs.) of carcasses and portions condemned	405	345	645
Pork:			
No. of carcasses inspected	3,762	3,572	2,798
Carcasses condemned	15	17	21
Portions condemned	1,253	1,210	834
Weight (lbs.) of carcasses and portions condemned	18,580	18,607	15,660
Totals:			
No. of carcasses inspected	7,469	8,057	8,133
Carcasses condemned	53	34	55
Portions condemned	1,596	1,455	1,152
Weight (lbs.) of carcasses and portions condemned	37,840	28,012	31,720

CARCASSES FOUND TO BE INFECTED WITH T.B.

Beef:			
Infected	8	8	18
Percent .....	.30	.30	.65
Pork:			
Infected	722	729	556
Percent	19.19	20.41	19.83

CHIEF CAUSES OF CONDEMNATION, 1951

Beef:	Carcasses	Portions	Weight Lbs.
Abscess		107	1,720
Abscess multiple	4	1	1,520
Actinomycosis	3	127	3,875
Bruised	4	7	1,590
Emaciation	3		1,175
Peritonitis	3		1,275
Septicaemia	3		1,875
Pneumonia	4		1,575
Miscellaneous (adhesions, jaundice, parasites, T.B., black leg, contamination, not bled dying condition)	4	57	2,735
	<u>28</u>	<u>299</u>	<u>17,340</u>

Veal:

Abscess		18	230
Actinomycosis		3	50
Pneumonia	6		1,180
Miscellaneous (jaundice, parasites, adhesions)		5	55
	<u>6</u>	<u>26</u>	<u>1,515</u>

Mutton:

Abscess multiple	2		120
Bruised		15	150
Peritonitis	1		75
Miscellaneous (pneumonia, parasites)	1	3	60
	<u>4</u>	<u>18</u>	<u>405</u>

Pork:

Abscess multiple	1		230
Adhesions		84	1,245
Bruised	1	12	595
Contamination		158	2,415
Parasites		205	830
Tuberculosis	4	773	11,885
Arthritis	4	1	605
Pneumonia	3		370
Miscellaneous (abscess, jaundice, skin disease, odor and emaciation, rhinitis inf.)	2	20	405
	<u>15</u>	<u>1,253</u>	<u>18,580</u>

DISEASED ANIMALS

	1951	1950	1949
Beef	271	184	221
Veal	26	43	62
Mutton	6	5	16
Pork	995	910	657
Total amount of meat condemned	37,840	28,012	31,640

FOODSTUFFS CONDEMNED BY INSPECTORS

Fruit and vegetables .....	.....	.....	13
Meat .....	.....	12	185
Poultry	111	154	108
Damaged by fire, flood, etc.	4,951	3,407	27,334
Sundries	138	.....	48
Total (lbs.)	5,200	3,573	27,688



MILK AND WATER REPORT

	1951		1950	
	Total No. Premises	No. of Inspections	Total No. Premises	No. of Inspections
Inspections:				
Producer-distributors, raw milk	1	4	1	23
Producer-shippers, milk	436	953	404	1,165
Pasteurization Plants	4	182	4	168
Vehicles	—	181	.....	215
Others, complaints, etc.	10	.....	14
Licenses and Permits:				
Retail milk certificates issued	580	.....	568
Dairy Licenses issued	436	.....	404
Dairy Licenses refused	7	.....	12
Dairy Licenses suspended temporarily	101	.....	73
city	132	.....	211
Permits issued to cow keepers in the
Samples:				
Milk samples taken, retail	1,182	.....	780
Milk samples taken, shippers	9,027	.....	8,672
Cream samples taken	191	.....	145
Special Milk samples	13	.....	32
Chocolate Milk samples	89	.....	98
Ice cream samples	33	.....	14
TESTS—Milk:				
Standard plate counts	1,182	.....	780
Coliform tests	267	.....	213
Phosphatase tests	605	.....	621
Methylene Blue tests	9,074	.....	14,804
Butterfat tests	167	.....	133
Sediment tests
Restaurants:				
Swab tests of utensils	1,236	.....	975
Water:				
Standard plate counts	282	.....	292
Coliform tests	282	.....	292
Chlorine content checks	265	.....	257
Raw river water plate counts	36	.....	27
Swimming Pools:				
Plate counts	166	.....	142
Coliform tests	166	.....	142
Inspections	131	.....	77



MILK AND WATER REPORT

MILK		WATER	
Sample No.	Quantity	Sample No.	Quantity
1	100	1	100
2	100	2	100
3	100	3	100
4	100	4	100
5	100	5	100
6	100	6	100
7	100	7	100
8	100	8	100
9	100	9	100
10	100	10	100
11	100	11	100
12	100	12	100
13	100	13	100
14	100	14	100
15	100	15	100
16	100	16	100
17	100	17	100
18	100	18	100
19	100	19	100
20	100	20	100
21	100	21	100
22	100	22	100
23	100	23	100
24	100	24	100
25	100	25	100
26	100	26	100
27	100	27	100
28	100	28	100
29	100	29	100
30	100	30	100
31	100	31	100
32	100	32	100
33	100	33	100
34	100	34	100
35	100	35	100
36	100	36	100
37	100	37	100
38	100	38	100
39	100	39	100
40	100	40	100
41	100	41	100
42	100	42	100
43	100	43	100
44	100	44	100
45	100	45	100
46	100	46	100
47	100	47	100
48	100	48	100
49	100	49	100
50	100	50	100
51	100	51	100
52	100	52	100
53	100	53	100
54	100	54	100
55	100	55	100
56	100	56	100
57	100	57	100
58	100	58	100
59	100	59	100
60	100	60	100
61	100	61	100
62	100	62	100
63	100	63	100
64	100	64	100
65	100	65	100
66	100	66	100
67	100	67	100
68	100	68	100
69	100	69	100
70	100	70	100
71	100	71	100
72	100	72	100
73	100	73	100
74	100	74	100
75	100	75	100
76	100	76	100
77	100	77	100
78	100	78	100
79	100	79	100
80	100	80	100
81	100	81	100
82	100	82	100
83	100	83	100
84	100	84	100
85	100	85	100
86	100	86	100
87	100	87	100
88	100	88	100
89	100	89	100
90	100	90	100
91	100	91	100
92	100	92	100
93	100	93	100
94	100	94	100
95	100	95	100
96	100	96	100
97	100	97	100
98	100	98	100
99	100	99	100
100	100	100	100



