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REPORT

of the

Local Board of Health



THE CITY OF EDMONTON
ALBERTA

1962

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ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH

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

Madam and Gentlemen:

I present herewith for your consideration the annual report of the services of the Local Board of Health for the year 1962.

The population of Edmonton was recorded at 294,967 in 1962, an increase of 18,949 people. Of this number, 7,043 was a natural increase, the remainder being due to the amalgamation of Beverly with the city and a relatively small number who immigrated to the city.

The neonatal death rate was 14.3, the stillbirth rate 10.3, the infant mortality rate 18.3 and the maternal mortality rate .23. This infant mortality rate was the lowest level of infant deaths recorded in Edmonton. Accepting the fluctuations inevitably found in relatively small numbers such as these, the trend nevertheless shows a satisfactory fall in death rates.

The leading causes of death remained as in previous years—diseases of the heart, cancer and vascular lesions of the central nervous system. Over 7% of the deaths were due to external causes. Excluding homicide and suicide, these were all "accidental" deaths and therefore were preventable. This is a tremendous waste of people for want of a little foresight.

Incidentally, there appears to be a fairly consistent relative and actual rise in the number of suicides over the years. In 1962, 31 such deaths were recorded.

1962 was the first complete recent year of record of cases of infectious hepatitis—164 cases in all. Presently there is an unexplained world-wide increase in infectious hepatitis. There is always a high undiscovered parallel incidence of carriers and in consequence the control of sporadic cases is extremely difficult. Attempts are now being directed to the development of a satisfactory vaccine, which would doubtless obtain wide usage.

No cases of diphtheria were recorded during the year. Few cases of viral meningitis were identified and although an occasional poliomyelitis carrier was incidentally found, the city was poliomyelitis free. As our citizens reap the rewards of this persistence in poliomyelitis immunization, correspondingly confidence in these vaccines becomes stronger.

While measles was epidemic in the early part of the year, it was not so extensive as in previous epidemic years.

The 335 cases of whooping cough represented the highest number of cases reported in the last ten years. Generally the diagnosis was clinical and bacteriological support proved extremely difficult.

In the field of sanitation, consistent supervision was maintained and conditions are reasonably satisfactory. Some concern is being felt with regard to the conditions in various boarding and lodging houses. Supporting legislation is very weak, control is therefore difficult and progress relatively slow.

The milk and water division and the meat and food inspection divisions operated at normal levels. The transfer of one packing plant to Federal Government inspection enabled a more intensive supervision of meat processing and vending establishments.

Formal health education is expanding. An annual crusade against smoking was instituted in the Junior High Schools. The spring and fall foodhandling courses were continued and were well attended.

On behalf of the department I wish to formally acknowledge the assistance so freely given by many individual citizens, by the various medical, para-medical and nursing services, by voluntary and governmental agencies and by the news media in the field of local government health service.

I am also happy to record our appreciation of the support of the Local Board of Health and the civic administration in handling the ever increasing demands on the Health Department in this growing city.

Finally, I must commend the individual members of the Health Department for their consistent and conscientious efforts in the promotion of the health of the citizens of Edmonton.

Yours truly,
G. H. BALL, M.B., Ch.B., D.P.H.,
Medical Officer of Health.

SUMMARY OF STATISTICS

Area of City—68.67 square miles

	1962	1961	1960	1959	1958
Population	294,967	276,018	269,314	260,733	252,131
Persons per acre of land	8.4	7.5	7.4	8.8	8.7
Cost per capita	1.96	1.76	1.75	1.63	1.53
School enrolment	66,970	61,555	57,490	53,490	50,173
Natural increase of population	7,043	6,701	6,986	6,889	6,843

BIRTHS

Total Births	12,593	12,458	12,847	12,425	12,072
Resident Births only	8,857	8,428	8,705	8,599	8,408
Resident rate per 1000 population	30.02	30.4	32.3	32.9	33.3

STILLBIRTHS

Total stillbirths	142	128	142	138	109
Resident stillbirths only	91	89	92	84	71
Resident stillbirths rate per 1000 living births	10.3	10.5	10.5	9.8	8.4

DEATHS

Total deaths	2,652	2,536	2,552	2,460	2,313
Resident deaths only	1,814	1,726	1,737	1,710	1,565
Resident rate per 1000 population	6.1	6.2	6.5	6.5	6.2

INFANT MORTALITY

Total deaths under 1 year of age	294	337	326	275	304
Resident deaths under 1 year of age	162	200	199	168	187
Resident rate per 1000 living births	18.3	23.7	22.8	19.5	22.2

NEONATAL DEATHS

Resident deaths under 28 days	127	147	152	130	130
Rate per 1000 living births	14.3	17.4	17.4	15.1	15.4

MATERNAL MORTALITY

Maternal deaths (Resident only)	2	1	0	2	2
Rate per 1000 living births	.23	.11	.00	.23	.23

MARRIAGES

Marriages	3,208	3,112	3,471	3,270	3,149
Rate per 1000 population	10.9	11.2	12.5	12.3	12.5

REGISTERED VITAL STATISTICS

BIRTHS	1962	1961	1960	1959	1958
Total Births	12,593	12,458	12,847	12,425	12,072
Resident births only	8,857	8,428	8,705	8,599	8,408
Male	4,507	4,348	4,518	4,389	4,339
Female	4,350	4,080	4,187	4,210	4,069
Double Births (Resident only)	84	80	101	82	82
Triple Births (Resident only)	—	—	3	1	1
Resident Illegitimate births	603	496	463	474	374
Total Illegitimate births	869	806	788	770	647
Born in Institutions (Residents)	8,857	8,426	8,702	8,598	8,401

Maternal Parentage

Canada	7,063	6,764	6,898	6,645	6,436
British Isles	339	364	365	431	471
Europe and Asia	1,310	1,170	1,305	1,399	1,388
U.S.A.	123	110	112	105	105
Other Countries	22	20	25	19	8

RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND ORDER OF BIRTH

		1962								Over	Total	%					
		14	15	19	20	24	25	29	30	34	35	39	40	44	44	Total	%
1st	Child	8	712	1,374	466	145	67	10	—	2,782	31.3						
2nd	Child	—	184	1,075	712	307	111	27	2	2,418	27.3						
3rd	Child	—	28	458	630	373	129	37	1	1,656	18.7						
4th	Child	—	—	163	330	289	155	29	2	968	10.9						
5th	Child	—	—	26	158	166	109	39	4	502	5.7						
6th	Child	—	—	15	56	89	60	28	2	250	2.8						
7th	Child	—	—	—	24	50	48	14	2	138	1.6						
8th	Child	—	—	—	4	25	21	12	—	62	.7						
9th	Child	—	—	—	4	11	13	7	3	38	.5						
10th	Child	—	—	—	—	—	—	—	—	—	—						
	and over	—	—	—	1	8	20	14	—	43	.5						
		8	924	3,111	2,385	1,463	733	217	16	8,857	100%						

STILLBIRTHS

	1962	1961	1960	1959	1958
Total Stillbirths	142	128	142	138	109
Resident Stillbirths only	91	89	92	84	71
Male	45	42	40	50	38
Female	48	47	52	34	33
Born in Institutions	91	88	92	84	71

Cause of Foetal Deaths

Dystocia	5	14	9	27	22
Prematurity	9	8	10	6	9
Toxemia of Pregnancy	5	5	—	2	3
Syphilis	—	—	—	—	—
Malformation	8	20	8	16	12
Placenta and Membranes	26	20	17	12	10
Traumatism, Overwork	—	—	—	—	—
Other Conditions	38	22	31	21	9

DEATHS

	1962	1961	1960	1959	1958
Total Deaths	2,652	2,536	2,552	2,460	2,313
Resident Deaths only	1,814	1,726	1,737	1,710	1,565
Male	1,143	1,101	1,087	1,035	1,002
Female	671	625	650	675	563
Resident Rate per 1,000 population	6.1	6.2	6.5	6.5	6.2

Racial Origin

Canada	579	558	487	453	547
British Isles	575	481	538	523	454
Europe and Asia	529	521	489	481	429
U.S.A.	105	114	113	96	109
Others	26	53	110	157	26

PRINCIPAL CAUSES OF DEATH, 1962

		Total	Male	Female	% of Total Deaths	Rate per 100 M Population
420 - 434	Diseases of heart	556	389	167	30.6	188.4
140 - 205	Cancer	342	201	141	18.8	115.9
330 - 334	Vascular lesions affecting central nervous system	202	116	86	11.1	68.4
750 - 776	Diseases of early infancy	141	81	60	7.7	47.7
800 - 999	External causes	133	91	42	7.3	45.0
490 - 491	Pneumonia	66	46	20	3.6	22.3
— 260	Diabetes mellitus	30	14	16	1.6	10.1
440 - 447	Hypertension	23	7	16	1.3	7.7
410 - 416	Chronic Rheumatic heart disease	18	10	8	.9	6.1
500 - 502	Bronchitis	14	11	3	.8	4.7
	All other diseases	289	177	112		
TOTAL		1814	1143	671		

MORTALITY FROM HEART DISEASE

Year	Total Deaths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1962	1814	556	30.6	188.4
1961	1726	557	32.3	201.1
1960	1737	531	30.6	197.1
1959	1710	485	28.3	186.0
1958	1565	442	28.2	175.0

MORTALITY FROM CANCER

Year	Total Deaths	Deaths From Cancer	Percentage of Total Deaths	Rate per 100M Population
1962	1814	342	18.8	115.9
1961	1726	306	17.8	111.2
1960	1737	349	20.1	129.5
1959	1710	291	17.0	111.6
1958	1565	269	17.7	106.6

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths From This Cause	Percentage of Total Deaths	Rate per 100M Population
1962	1814	202	11.1	68.4
1961	1726	177	10.3	64.1
1960	1737	175	10.1	64.9
1959	1710	187	10.9	71.1
1958	1565	162	10.3	64.0

MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths From Tuberculosis	Percentage of Total Deaths	Rate per 100M Population
1962	1814	3	.16	1.0
1961	1726	6	.34	2.2
1960	1737	7	.14	3.3
1959	1710	14	.82	5.3
1958	1565	8	.05	3.1

MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths From Pneumonia	Percentage of Total Deaths	Rate per 100M Population
1962	1814	66	3.6	22.3
1961	1726	75	4.3	27.1
1960	1737	46	2.6	17.0
1959	1710	65	3.8	24.7
1958	1565	48	3.0	19.4

MORTALITY FROM EXTERNAL CAUSES

	Total Deaths	Deaths From External Causes	Male	Female	Suicide	Homicide	Automobile Accidents	All Other Accidents	Percentage of Deaths	Rate Per 100 M Population
1962	1814	133	91	42	31	3	40	59	7.3	45.0
1961	1726	124	87	37	25	1	37	61	7.2	44.9
1960	1737	138	102	36	19	4	47	68	10.1	51.2
1959	1710	130	100	30	24	2	45	59	7.6	49.8
1958	1565	119	88	31	23	2	45	49	7.6	47.6

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1962

		Under 1		1-4		5-14		15-19		20-29		30-39		40-49		50-59		60-69		70-79		over 80		Non-Resi- dents			
		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	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9				
2	Tuberculosis, all other forms	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5				
3	Syphilis and its sequelae	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4				
4	Typhoid Fever	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
10	Meningococcal Infections	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
17	All other diseases classified as infective and parasitic	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7				
18	Malignant neoplasms, including neoplasms of lymphatic and haematopoietic tissues	342	201	141	3	1	5	3	2	1	2	1	5	7	12	20	29	27	47	23	68	36	28	22	207		
19	Benign neoplasms and neoplasms of unspecified nature	11	4	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	10		
20	Diabetes Mellitus	30	14	16	1	1	1	1	1	1	1	1	2	2	4	2	1	4	4	3	3	4	2	1	11		
21	Anaemias	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2		
22	Vascular lesions affecting central nervous system	202	116	86	1	1	1	1	1	1	1	3	3	5	5	1	4	5	24	21	41	30	38	28	72		
23	Non-meningococcal meningitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3		
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	18	10	8	1	1	1	1	1	1	1	2	2	2	2	2	3	4	3	3	2	2	2	2	14		
26	Arteriosclerotic and degenerative heart disease	536	376	160	1	1	1	1	1	1	1	4	4	1	20	2	48	12	84	19	130	64	89	62	129		
27	Other diseases of the heart	20	13	7	1	1	1	1	1	1	2	1	2	1	1	1	1	1	2	1	4	1	3	2	9		
28	Hypertension	17	4	13	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1	6	1	7			
29	Hypertension without mention of heart	6	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4		
30	Influenza	5	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	33		
31	Pneumonia	66	46	20	6	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	16	3	13	10	2		
32	Bronchitis	14	11	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1	2	2		
33	Ulcer of stomach and duodenum	11	6	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4	1	1		
34	Appendicitis	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7		
35	Intestinal obstruction and hernia	14	7	7	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1		
36	Gastritis, duodenitis, enteritis, colitis, except diarrhoea of newborn	6	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1		
37	Cirrhosis of liver	8	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11		
38	Nephritis and nephrosis	12	7	5	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	3	1	3	1	3		
39	Hyperplasia of prostate	7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	3	3	2	2		
40	Deliveries, complications of pregnancy, childbirth and the puerperium	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3		
41	Congenital malformations	48	26	22	23	17	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	61		
42	Birth injuries, postnatal asphyxia and atelectasis	40	24	16	24	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	27		
43	Infections of newborn	3	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5		
44	Other diseases peculiar to early infancy, and immaturity unqualified	50	29	21	29	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30		
45	Senility, without mention of psychosis, ill-defined and unknown causes	37	28	9	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	2	7	4	5		
46	All other diseases	157	95	62	2	2	2	2	1	1	1	1	1	1	7	13	3	22	5	32	16	15	24	94			
47	Motor vehicle accidents	40	28	12	1	1	1	1	2	13	4	4	1	1	1	4	2	1	1	1	1	1	1	1	16		
48	All other accidents	59	37	22	2	2	1	2	7	7	9	1	2	4	2	3	3	1	2	2	2	1	3	12	26		
49	Suicide	31	25	6	1	1	1	1	4	4	7	7	1	1	5	2	2	1	2	2	1	1	1	1	5		
50	Homicide and operations of war	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
TOTAL		1,814	1,143	671	97	65	15	14	15	7	8	2	33	14	39	20	61	43	118	66	211	86	335	178	211	176	838
				162	29		22		10		47		59		104		187		297		513		387				

INFANT MORTALITY

	1962	1961	1960	1959	1958
Total deaths under 1 year of age	294	341	326	275	304
Resident deaths under 1 year of age	162	201	199	168	187
Male	97	124	125	103	121
Female	65	77	74	65	66
Legitimate	144	194	183	161	176
Infant mortality rate per 1,000 living births	18.3	23.7	22.8	19.5	22.2
Racial Origin					
Canada	140	161	148	124	154
British Isles	8	7	15	14	9
Europe and Asia	12	30	31	30	21
U.S.A.	2	2	4	—	—
Others	—	1	1	—	3

INFANT MORTALITY, 1962

	SEX		BY MONTH												BY AGE										
	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
057.1 Acute and unspecified meningococemia	2	2			1					1	1											1	1		1
082 Acute infectious encephalitis	1	1	1					1		1												1			
331 Cerebral haemorrhage																									
343 Encephalitis, myelitis, and encephalomyelitis (except acute infectious)	1	1				1																		1	
434 Other and unspecified diseases of heart	2	1	1											1	1			1			1		1		
491 Bronchopneumonia	1	1																							
492 Primary atypical pneumonia	6	4	2	1		1		1			1	1	1									3	3		1
493 Pneumonia, other and unspecified	1	1																							
500 Acute bronchitis	2	1	1									1	2									1	1		
501 Bronchitis, unqualified	1	1																							
525 Other chronic interstitial pneumonia	1	1						1															1		
560 Hernia of abdominal cavity without mention of obstruction	3	1	2		2									1		2	1				3				
570 Intestinal obstruction without mention of hernia	2	1	1			1								1						1	1	1			
571 Gastro-enteritis, colitis, except ulcerative, aged 4 weeks and over	1	1									1				1								1		
583 Other diseases of liver	1		1																						
587 Diseases of pancreas	1										1														
750 Monstrosity	5	1	4		2				1	1				1		4		1		1	5				1
751 Spina bifida and meningocele	5	3	2		3											1					2	3			
752 Congenital hydrocephalus	3	2	1								1				1	2						1			
754 Congenital malformations of circulatory systems	17	10	7	1	1		1	1	1	2	2	2	2	2	2	3	5	3	2		13	3	1		
756 Congenital malformations of digestive system	3	1	2				1	2									2			2	1				
757 Congenital malformations of genito-urinary system	3	3											2		1	1		1		2	2		1		
759 Other and unspecified congenital malformations	3	2	1				1	1			1					3				3					
760 Intracranial and spinal injury at birth	1	1										1													
761 Other birth injury	7	3	4			2		1		1	1	1	1			7					7				
762 Postnatal asphyxia and atelectasis	33	21	12	3	4	3	2	3	1	2		6	5	4	18	12	3				33				
763 Pneumonia of newborn	3	2	1					1					2			1					3				
770 Haemolytic disease of newborn (erythroblastosis)	2	1	1			1			1							1	1			2					
772 Nutritional maladjustment	1	1		1															1		1				
773 Ill-defined diseases peculiar to early infancy	17	9	8	1	2	6		1			1			4	2	9	8				17				
774 Immaturity without mention of any subsidiary condition	1	1						1																	
776 Immaturity unqualified	29	17	12		6	3	4	3	1	2	2	3		1	4	22	7				1				
924 Accidental mechanical suffocation in bed and cradle	2	2								1			1									1			
TOTAL	162	97	65	7	21	18	12	17	5	10	12	9	16	19	16	75	36	9	5	2	127	19	11	3	2

COMMUNICABLE DISEASES, 1958 - 1962

	1962		1961		1960		1959		1958	
	C	D	C	D	C	D	C	D	C	D
Brucellosis	1	...	...	...	...	...	...	...	...	...
Diarrhoea of the Newborn	5	...	...	...	...	...	...	...	...	...
Chickenpox	...	...	...	...	...	1	...	...	...	...
Diphtheria	...	...	...	...	...	...	...	...	1	...
Diphtheria Carriers	...	...	...	...	...	...	1	...	4	...
Dysentery	4	...	2	...	2	...	1	...	3	...
Dysentery Carrier	...	...	...	...	1	...	...	...	...	...
Encephalitis	...	...	...	...	...	...	...	...	...	1
Food Poisoning	88	...	25	...	4	...	10	...	1	...
Infectious Hepatitis	164	...	...	...	...	...	...	...	...	...
Measles	2,817	...	1,184	...	1,820	2	1,061	1	669	...
Meningitis A (Polio virus)	...	...	1	...	6	...	...	...	...	...
Meningitis B (Coxsackie virus)	1	...	4	...	1	...	...	...	...	...
Meningitis D (Others and unspecified)	11	...	7	...	18	...	...	...	...	...
Meningitis - Meningococcal	1	...	...	...	...	...	...	...	...	...
Mumps	...	...	...	...	...	...	...	...	...	1
Paratyphoid Fever	2	...	1	...	1	...	...	...	1	...
Polio myelitis	...	...	5	...	46	3	6	...	1	...
Rubella	126	...	92	...	210	...	223	...	568	...
Scarlet Fever and Strep Throat	267	...	284	...	596	...	387	...	132	...
Tuberculosis (Pulmonary) Active	55	2	54	5	51	6	72	12	75	5
Tuberculosis (Pulmonary) Inactive	70	...	66	...	57	...	67	...	75	...
Tuberculosis (Other Forms) Active	15	1	20	1	12	1	25	2	11	3
Tuberculosis (Other Forms) Inactive	4	...	6	...	1	...	5	...	3	...
Typhoid Fever	...	...	6	...	2	...	...	...	...	...
Typhoid Fever Carrier	2	...	3	...	1	...	...	...	1	...
Whooping Cough	335	...	62	...	76	...	168	...	233	...
Veneral Diseases:										
Gonorrhoea	2,702	...	1,928	...	1,740	...	1,716	...	1,540	...
Syphilis	53	5	47	2	74	2	65	1	37	2
Morbidity per 1,000 population	6,723	8	3,797	8	4,719	16	3,807	16	3,356	12
C—Cases D—Deaths	22.7		12.1		17.5		14.5		28.1	

COMMUNICABLE DISEASE BY WEEKS, 1962

	Total	Male	Female	1 - 4	5 - 8	9 - 12	13 - 16	17 - 20	21 - 24	25 - 28	29 - 32	33 - 36	37 - 40	41 - 44	45 - 48	49 - 52	Non-Residents
Brucellosis	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea of the Newborn	5	3	2	...	...	...	...	...	2	...	...	...	...	2	...	...	...
Diphtheria (Ear)	...	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	1
Dysentery	4	1	3	...	1	...	...	...	1	...	...	...	...	...	...	...	8
Food Poisoning	88	42	46	1	1	...	...	...	2	1	4	67	7	3	2	...	18
Infectious Hepatitis	164	82	82	...	15	15	9	11	21	11	8	21	4	13	21	15	15
Measles	2,817	1,423	1,394	1,103	781	351	179	126	87	40	26	15	9	34	45	21	34
Meningitis B (Coxsackie virus)	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Meningitis D (Other and unspecified)	11	8	3	...	...	...	1	1	1	...	1	1	...	1	1	4	7
Meningitis - Meningococcal	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1
Paratyphoid Fever	2	1	1	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Paratyphoid Fever Carrier	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rubella	126	63	63	27	27	9	6	12	11	2	2	1	5	5	10	9	...
Scarlet Fever and Strep Throat	267	137	130	31	30	27	29	16	6	6	4	3	4	28	41	42	1
Tetanus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculosis (Pulmonary) Active	55	30	25	10	4	3	2	10	...	3	7	2	...	4	5	5	...
Tuberculosis (Pulmonary) Inactive	70	39	31	9	4	7	5	5	1	3	13	6	2	8	3	4	...
Tuberculosis (Other forms) Active	15	8	7	1	2	1	3	2	...	...	2	1	2	1	...	...	...
Tuberculosis (Other forms) Inactive	4	3	1	1	...	...	...	2	...	...	...	1	...	...	...	...	...
Typhoid Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Typhoid Fever Carrier	2	1	1	...	...	...	...	...	...	...	...	...	1	...	...	1	...
Whooping Cough	335	151	184	2	2	11	1	16	44	21	26	67	68	31	25	21	24
VENEREAL DISEASES:																	
Gonorrhoea	2,702	1,534	1,168	166	144	151	176	215	201	197	234	224	266	211	281	236	...
Syphilis	53	36	17	1	6	8	9	1	3	6	1	5	4	3	2	4	...
TOTAL	6,723	3,564	3,159	1,352	1,019	583	421	418	381	290	328	414	374	344	436	363	113
DEATHS:																	
Tuberculosis (Pulmonary)	2	1	1	...	...	1	1	...	...	...	...	...	...	...	...	...	...
Tuberculosis (Others)	1	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Syphilis	5	4	1	2	...	...	...	1	...	...	...	...	1	1	...	...	...
TOTAL	8	5	3	2	...	1	1	1	1	...	...	...	1	1	...	...	...

COMMUNICABLE DISEASE BY AGE, 1962

	Total	Male	Female	Under 1	1 - 4	5 - 9	10 - 14	15 - 19	20 - 39	40 - 59	60 & Over	Not Stated	Non-Resident
Brucellosis	1	...	1	...	...	...	...	...	...	1	...	...	...
Diarrhoea of the Newborn	5	3	2	5	...	...	...	...	...	...	...	...	...
Diphtheria (Ear)	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery	4	1	3	...	2	...	...	...	1	...	...	...	1
Food Poisoning	88	42	46	5	12	2	...	3	28	19	1	...	8
Infectious Hepatitis	164	82	82	...	7	23	24	27	66	13	4	...	18
Measles	2,817	1,423	1,394	67	1,115	1,544	76	5	9	1	...	...	15
Meningitis B (Coxsackie virus)	1	1	...	...	...	1	...	...	...	...	...	...	34
Meningitis D (Other & unspecified) ..	11	8	3	1	...	5	1	1	3	...	...	...	1
Meningitis - Meningococcal	1	1	...	...	1	...	...	...	...	...	...	...	7
Paratyphoid Fever	2	1	1	...	1	...	...	...	...	...	...	...	1
Paratyphoid Fever Carrier	...	...	...	...	...	...	...	...	...	...	...	...	1
Rubella	126	63	63	17	35	47	15	6	6	...	...	...	...
Scarlet Fever and Strep Throat	267	137	130	...	55	95	21	43	53	...	...	...	...
Tetanus	...	...	...	...	...	...	...	...	...	...	...	...	1
Tuberculosis (Pulmonary) Active	55	30	25	...	11	2	2	3	19	10	7	1	...
Tuberculosis (Pulmonary) Inactive	70	39	31	...	...	...	...	1	29	23	15	2	...
Tuberculosis (Other forms) Active	15	8	7	...	...	...	...	...	9	6	...	...	...
Tuberculosis (Other forms) Inactive ..	4	3	1	...	...	...	...	...	2	...	2	...	...
Typhoid Fever	...	...	...	...	...	...	...	...	...	...	...	...	1
Typhoid Fever Carrier	2	1	1	...	...	...	...	...	...	...	2	...	...
Whooping Cough	335	151	184	42	109	145	29	5	3	2	...	...	24
VENEREAL DISEASES:	...	...	...	...	...	...	...	...	...	...	...	...	...
Gonorrhoea	2,702	1,534	1,168	...	...	...	4	387	2,272	...	...	39	...
Syphilis	53	36	17	...	...	...	...	1	50	...	...	2	...
TOTAL	6,723	3,564	3,159	137	1,348	1,865	172	482	2,550	75	50	44	113
DEATHS:	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculosis (Pulmonary)	2	1	1	...	...	...	...	...	1	...	1	...	...
Tuberculosis (Others)	1	...	1	...	...	...	...	...	...	1	...	...	...
Syphilis	5	4	1	...	...	...	...	...	...	1	4	...	...
TOTAL	8	5	3	...	...	...	...	...	1	2	5	...	...

TUBERCULOSIS CONTROL

There has been a marked increase in service in this field consequent to the attachment of a Kinsmen Club supported Tuberculosis Nurse to this department. More intensive case finding surveys have been possible. Meanwhile the Kinsmen Club nursing service from the Sanatorium has continued to give valuable service to individual patients, their families and contacts. Co-operation with the Tuberculosis Division and the Alberta Tuberculosis Association has been excellent.

There is no doubt that the consistent efforts of the years in Tuberculosis control are gradually achieving their objective. Viewed over five-year terms, the incidence of reported cases of Tuberculosis is falling, while the deaths from Pulmonary Tuberculosis among city residents in 1962 were at the all time low of two.

Cases:-	1962	1961	1960	1959	1958
*Pulmonary Tuberculosis	125	120	108	139	150
**All other forms of T.B.	19	26	13	30	14
Rates per 100,000 population:					
Pulmonary Tuberculosis	42.3	43.3	40.1	53.3	59.5
All other forms of T.B.	6.4	9.4	4.0	11.5	5.5
Deaths:-					
Pulmonary Tuberculosis	2	5	6	12	5
All other forms of T.B.	1	1	1	2	3
*1962 total includes 70 Inactive cases.					
**1962 total includes 4 Inactive cases.					

KINSMEN'S CLUB TUBERCULOSIS SERVICE

	1962	1961	1960	1959	1958
Total visits by nurses	3,398	4,171	2,813	3,100	4,466
Visits to homes	831	1,030	635	733	954
Visits to T.B. cases	625	820	578	688	915
Visits to contact cases	1,759	2,128	1,535	1,583	2,421
Observation	183	68	65	96	176
Tuberculin tests in homes	524	729	2,604	709	1,799

*SURVEYS, Heaf Gun:-

Barber shops and Beauty salons	485
Positive	255
Students	7,677
Positive	147
Teachers	1,034
Positive	240
Edmonton Transit System employees	364
Positive	155

CHEST SURVEYS:-

City Hall	8,462	6,984	9,898	9,934	7,879
Industrial Surveys	279	16,734	10,956	10,123	9,029
Unemployment Insurance Building	2,881	2,171	....	....	....
Edmonton East .....	....	....	4,775	....	....
Chest Survey Totals	11,622	25,889	25,629	20,057	16,908

*New service—from April 1, 1962.

IMMUNIZATION CLINICS

Five such clinics operate each day of the week in the regional health centres.

During the years 1957-1960, large numbers of citizens received Salk poliomyelitis vaccine. The consequent low incidence of poliomyelitis has been paralleled by a marked reduction in the adults attending for this purpose—a disappointing and indeed, dangerous situation.

The high usage of clinic service by parents for the immunization of their children continues. Increased overseas travel has increased the demand for the necessary immunization and additional sessions have been required.

Excluding temporary fluctuations, there has been a steady and satisfying increase in demand for these services.

	1962	1961	1960	1959	1958
No. of persons receiving					
1st doses	29,527	23,050	29,564	59,203	42,859
No. of persons receiving					
reinforcing doses	7,649	10,961	7,905	8,267	7,724
Total procedures	222,939	203,193	237,948	269,640	209,654
Total attendance	91,794	80,301	116,443	159,610	133,090
Phone calls	41,488	22,006	23,337	21,579	18,626
Out of town persons					
attending clinics	1,558	1,350	1,323	2,184	1,184
Student days	273	294	276	275	242
Clinics Held:-					
Main clinic	250	251	252	250	251
Average attendance	111	99	187	291	261
South Side Clinic	250	251	251	250	250
Average attendance	52	46	78	119	100
Woodcroft Clinic	250	251	251	250	250
Average attendance	96	91	114	148	132
Eastwood Clinic	250	251	251	250	187
Average attendance	58	46	63	79	46
Idylwyld Clinic	250	251	152	(Opened June 1, 1960)	
Average attendance	50	37	35		

IMMUNIZATION RECORD, 1962

	Immunization Clinics	School Health Service
Diphtheria		
1st dose	9,022	15
Re-inforcing doses	9,703	3,280
Total doses	45,262	3,305
Whooping Cough		
1st dose	8,559	
Re-inforcing doses	7,818	
Total doses	41,782	
Tetanus		
1st dose	9,948	15
Re-inforcing doses	9,609	3,280
Total doses	47,632	3,305
Typhoid		
1st dose	1,082	
Re-inforcing doses	201	
Total doses	3,119	
Smallpox		
Smallpox vaccinations	16,638	
Poliomyelitis		
1st dose	10,800	13
Re-inforcing doses	13,282	8,272
Total doses	53,375	8,285
Cholera		
1st dose	288	
Total doses	551	
Typhus		
1st dose	136	
Total doses	281	
Others		
Total doses	18	
Schick Test	496	

WELL BABY AND PRE-SCHOOL SERVICE

In each of the five regional health centres, an infant and pre-school health clinic operates each day.

Attendance has continued at a high level. New admissions equalled 90% of the number of births to city residents in 1962.

In the spring an advisory service was offered to child-caring institutions. Wide acceptance was promptly achieved. 149 nurseries, kindergartens, play-schools, institutions and foster homes were registered and to these, 579 visits were made by the district nursing service.

	1962	1961	1960	1959	1958
Total attendance	39,233	39,201	37,783	36,458	33,672
Under 1 year	24,088	24,396	23,582	23,314	22,844
1 to 6 years	15,145	14,805	14,201	13,144	10,828
Out of town	1,809	2,378	2,394	1,844	1,292
Number of Clinics held:					
Main Clinic	250	251	251	250	250
Average daily attendance	25	27	32	37	40
Average monthly attendance	530	566	676	772	837
South Side Clinic	250	251	251	250	250
Average daily attendance	25	25	29	37	38
Average monthly attendance	520	513	612	764	782
Woodcroft Clinic	250	251	251	250	250
Average daily attendance	38	42	41	43	40
Average monthly attendance	799	869	865	892	830
Eastwood Clinic	250	251	251	250	187
Average daily attendance	38	34	33	29	23
Average monthly attendance	783	703	610	611	476
Idylwylde Clinic	250	251	154	(Opened June 1, 1960)	
Average daily attendance	31	29	24		
Average monthly attendance	638	617	500		
Total average attendance (5 clinics)	157	156	151	146	135
Total average monthly attendance (5 clinics)	3,269	3,267	3,149	3,038	2,806
Total new admissions	7,982	7,657	7,823	7,548	7,104
Under 1 year	6,163	5,938	6,051	5,774	5,469
1 to 6 years	1,819	1,719	1,772	1,774	1,635
Re-admissions	486	445	358	386	266
Discharged	6,702	6,959	6,511	5,826	5,623
No. of active charts transferred	922	992	1,278	756	976
No. of retired charts transferred ..	160	168	159	138	123
Total remaining on Roll	23,773	21,493	20,794	19,282	17,560
Home visits	4,529	4,907	4,633	4,140	3,473
Telephone calls	25,425	22,280	18,305	16,696	15,078
Phenylketonuria tests	9,026	7,738	7,852	....	....
Number seen by doctor	715	681	678	654	572
Referred to family doctor	773	739	690	631	596
Number of student days	420	373	326	364	305

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

CLINICS FOR FOUR-YEAR-OLDS

In October a new type of morning clinic was introduced in the regional offices for selected children whose fourth birthday fell in 1962.

The clinic staff comprised a doctor, district nurse, dentist, dental assistant and a lay volunteer (supplied through the courtesy of the Central Volunteer Bureau).

Each child was weighed and measured, had his visual acuity tested with an illiterate E chart, and was examined by a doctor and a dentist. Pertinent findings were discussed with the mother who was also advised by the nurse on her child's immunization programme. Health education literature was available and selected brochures on nutrition were given to all attending parents.

Children were referred to their family physicians or dentists and home visits by a public health nurse for follow-up of defects were arranged as deemed necessary.

By the end of the year 24 such clinics had been conducted. They have been well received by the public and should grow steadily in popularity. A statistical summary follows. The work of the dental team is covered separately in the report of the Dental Division.

General Statistics:-

Parents invited	289
Parents present	254
Total No. of examinations	259
Children with defects	157

Defects Found:-

Skin and Hair	9
Ear, Nose and Throat	41
Cervical Glands	8
Speech	5
Cardiovascular System	13
Lungs	4
Hernia	5
Development	6
Orthopedic	28
Psychological	6
Endocrine Glands	5
Urogenital	7
Other Conditions	9

Vision Testing:-

Of the 259 children tested, ten were found to have a visual acuity poorer than 6/12 in one eye.

SCHOOL HEALTH SERVICES, 1962

At the beginning of the 1962-63 academic year 66,970 students attended 148 city schools and public health services were provided by 48 district nurses of the Health Department. These figures include Beverly, for which the Local Board of Health assumed responsibility on April 1st.

Periodic examinations by the medical officers covered grades I, V and X, and all entrants to the school system. The grade V examinations were omitted in about half the schools and increased emphasis was placed on the early detection and follow-up of defects. A number of groups of under-privileged children were examined in the summer before leaving for camping holidays.

Audiometric screening of all grade IV students continued. Of those surveyed, 778 or 7.6% required individual testing and, for about a third of this group, audiograms were made and the parents interviewed if possible.

Ophthalmic examinations and spectacles, where necessary, were provided for 115 children of indigent parents, and a further nine were assisted with spectacle repairs.

The immunization programme was maintained at the normal level. Reinforcing doses of triad (diphtheria, tetanus and poliomyelitis combined) were given in grades I, V and IX, and smallpox vaccination was offered in grades II and VIII. Primary immunizing courses against diphtheria and tetanus and against poliomyelitis were administered to the small group starting school without this protection. At the end of the year much effort was spent on preparations for the impending general administration of oral poliomyelitis vaccine.

Measles reached epidemic proportions in January and February. It is a pleasure to note the continued absence of poliomyelitis and diphtheria in children of school age.

Tuberculin testing was carried out in grades I, V and X. Prior to the summer holidays Vollmer Patch Tests were applied. After that a change was made to the A. and H. Multiple Puncture Apparatus, Mark IV, for routine testing. All positive reactors and their contacts were referred to the Tuberculosis Division of the Provincial Health Department for further investigation.

Four new cases of tuberculosis in school children were notified.

In connection with a multitude of health problems 8,966 home visits were made, a considerably higher annual total than ever previously recorded.

With the co-operation of the Lady Aberdeen League, a scheme was set up for the month of June whereby needy school children and their families might be referred to a central depot where a large stock of summer clothing was available for distribution. This worked out well and the project was put on a continuing basis in September, both summer and winter clothing being handled.

Education by film strips, brochures and talks concerning the causal relationship between cigarette smoking and cancer of the lung was energetically carried on at the junior high level.

Eleven monthly staff meetings were held at which a wide range of public health topics—diseases of the eye, poor posture, public health dentistry, phenylketonuria, cystic fibrosis, Sabin vaccine, and home visiting—were studied and discussed.

Examinations by Medical Officers

Complete periodic examinations	15,610
Examinations on special referral	709
Re-examinations	472
Total number of examinations	16,791
Number of pupils with defects	6,295
Parents invited to examinations	11,118
Parents present at examinations	6,181
Pupils referred to physicians	657
Pupils referred to dentists	491

Examinations by Nurses

Periodic examinations	46,754
Examinations on special referral	32,835
Re-examinations	11,085
Partial examinations	166,411
Total number of examinations	257,085
Number of pupils with defects	43,311
Pupils referred to physicians	4,976
Pupils referred to dentists	2,627

Audiometric Tests

Number group-tested	6,785
Failures	519
Number tested individually	778
Referred for audiogram	226
Referred for audiogram (other than through school survey)	7
Repeat audiogram	2

Tuberculin Tests

Vollmer Patch Tests	10,787
Positive	217
Heaf Tests	7,677
Positive	147

School Nursing Services

Home visits	8,966
Consultations with physicians	427
Consultations with teachers	16,104
Consultations with parents	11,250
Consultations with others	4,747
Pupils given first aid	12,262
Lectures and Talks	537
Students for field work	180

REGISTER OF PHYSICALLY HANDICAPPED CHILDREN

This register at the end of 1962 contained 1,693 cards pertaining to children living in Edmonton. As the pre-school part of the register was only begun recently it is not yet as comprehensive as the part covering school age children.

Those with records classified as active were being reviewed at appropriate intervals, while it was felt that the inactive group required no further follow-up.

No cards were raised for children who, although physically handicapped, were judged not to need periodic supervision. Accordingly the figures available do not generally have any statistical value as regards incidence.

The two tables below give a breakdown by numbers and percentages of the cases on record.

Disability	Pre-School			School		
	Active	Inactive	Total	Active	Inactive	Total
Orthopedic						
Congenital	34	19	53	9	24	33
Muscular Dystrophy	—	—	—	14	1	15
Osteochondroses	1	—	1	10	11	21
Rheumatoid Arthritis	3	—	3	9	1	10
Post Traumatic	5	5	10	2	1	3
Miscellaneous	—	—	—	16	9	25
			67			107
Infective and Parasitic						
Poliomyelitis	1	—	1	35	33	68
Tuberculosis—Respiratory	—	1	1	19	23	42
—Bone and Joint	—	—	—	1	3	4
—Other	—	—	—	7	3	10
Other	—	—	—	3	3	6
			2			130
Neoplastic						
Benign—Haemangioma	2	—	2	2	1	3
—Other	3	—	3	—	3	3
Malignant—Central Nervous System	1	—	1	5	1	6
—Leukaemia	—	—	—	1	—	1
—Other	2	—	2	5	—	5
			8			18
Allergic, Endocrinal, Metabolic and Nutritional						
Asthma	3	1	4	26	34	60
Diabetes	—	—	—	35	5	40
Other—Allergic	—	2	2	9	4	13
—Endocrinal	—	1	1	8	3	11
—Metabolic and Nutritional	6	—	6	8	2	10
			13			134
Diseases of Blood and Blood Primary Organs						
Haemophilia	—	—	—	7	1	8
Purpura	—	—	—	1	1	2
Miscellaneous	—	1	1	3	3	6
			1			16
Mental, Psychoneurotic and Personality Disorders						
	33	2	35	31	18	49
Diseases of the Nervous System						
Cerebral Palsy	15	1	16	66	27	93
Epilepsy	11	1	12	95	27	122
Hydrocephalus	1	2	3	5	2	7
Spina Bifida and Meningocele	4	—	4	2	6	8
Other	6	1	7	15	8	23
			42			253

Disability	Pre-School			School		
	Active	Inactive	Total	Active	Inactive	Total
Diseases Involving Loss of Special Senses						
Eyes—Cataract	3	3	6	5	6	11
—Glaucoma	—	—	—	4	1	5
—Strabismus	10	1	11	28	25	53
—Other	5	1	6	31	27	58
Ears—Impaired Hearing	3	—	3	51	27	78
—Other	2	—	2	3	1	4
			28			209
Diseases of Circulatory System						
Congenital	23	2	25	46	14	60
Rheumatic Fever	2	1	3	136	96	232
Other	22	2	24	12	7	19
			52			311
Diseases of Respiratory System	2	3	5	7	2	9
Diseases of Digestive System						
Coeliac Disease	11	4	15	4	4	8
Hare Lip and/or Cleft Palate	11	4	15	7	3	10
Hirschsprung's Disease	—	1	1	2	4	6
Megacolon	1	—	1	—	—	—
Other	3	1	4	1	6	7
			36			31
Diseases of Genito-Urinary System	11	1	12	18	7	25
Congenital Malformations	19	8	27	16	31	47
Birth Injuries	1	1	2	—	—	—
Speech Defects	1	1	2	13	6	19
Other	1	—	1	8	3	11

GROUP	Percent of Total	
Orthopedic	20.1	7.9
Infective and Parasitic	0.6	9.5
Neoplastic	2.4	1.3
Allergic, Endocrinal, Metabolic and Nutritional	3.9	9.8
Diseases of Blood and Blood Primary Organs	0.3	1.1
Mental, Psychoneurotic and Personality Disorders	10.5	3.6
Diseases of the Nervous System	12.6	18.0
Diseases Involving Loss of Special Senses	8.4	15.3
Diseases of Circulatory System	15.6	22.8
Diseases of Respiratory System	1.5	0.7
Diseases of Digestive System	10.8	2.3
Diseases of Genito-Urinary System	3.6	1.8
Congenital Malformations	8.1	3.5
Birth Injuries	0.6	—
Speech Defects	0.6	1.3
Other	0.3	0.7

DENTAL DIVISION

School Dental Examinations

The school dental teams completed the dental examinations in 111 schools and examined 30,554 school children in grades 1, 2, 3, 4, 6 and 8 only. There were 18,781 (61.4%) children with dental decay and 9,288 (30.4%) with no dental defects.

Number of schools completed	111
Number of children examined	30,554
Number of children with dental decay	18,781 (61.4%)
Number of children requiring prophylaxis	2,159 (7%)
Number of children requiring a space maintainer	2,889 (9.1%)
Number of children with an orthodontic problem	1,497 (4.9%)
Number of children with no dental defects	9,288 (30.4%)

Dental Clinical Treatment Services

This service is extended to the school children of the marginal wage earning group. For this group even a modest medical or dental expense presents a financial hardship. There is no direct cost to parents or guardians of needy children who receive dental treatment at the City Dental Clinics.

Dental Treatment Service Summary

	Cent.	W.E.	S.S.	E.E.	IDY.	Total
Number of appointments made	595	572	983	702	395	3,247
Number of appointments missed	66	62	114	61	32	335
Number of silver amalgams	633	603	1,181	922	588	3,927
Number of silicate fillings	157	75	188	284	95	799
Number who received prophylaxis		33	3	8	11	55
Number of extractions	270	196	313	180	134	1,093
Miscellaneous operations	16	19	26	2	6	69
Number of emergencies	55	19	41	15	7	137
Number of children completed	154	129	258	190	91	822
Number of children on waiting list ..	17	3	65	73	20	178

Pre-School Dental Program

As a result of the pre-school pilot study undertaken in 1961 a preventive dental health service was instituted in the fall of 1962 at the 4 year old child health conference. This service basically comprises of the following:

- Dental examination by appointment, in one of the regional dental clinics.
- Parent or Guardian Counselling—while the child is in the dental chair the parent or guardian is given an opportunity to observe the dental condition of the child. Emphasis is placed on the prevention of dental caries and where dental treatment is indicated the parent or guardian is advised to take the child to the family dentist as early as possible.
- Prophylaxis and Topical Stannous Fluoride Application—is administered to those children who will benefit most from this service, particularly those who have never been to a dentist and/or who for financial reasons cannot avail themselves of this service at a private dental office.

Pre-School Dental Service Summary

	Cent.	IDY.	S.S.	E.E.	Total
Number of appointments made	66	71	71	67	275
Number of appointments missed	8	8	4	5	25
Number of children under care of a family dentist	38	51	61	46	196
Number of children with no family dentist	21	12	6	16	56
Number of children referred to a dentist	14	8	6	13	41
Number of children who received stan- nous fluoride and prophylaxis	19	13	12	8	52
Number of eligible children on the wait- ing list	11	14	9	22	56
Children with no dental caries					39%
Average number of fillings per child					1.2%
Children with carious teeth					60%
Average number of carious teeth per child					2.1%
Children who had molars extracted					11%
Children who require a space maintainer					4.5%
Children who have an orthodontic problem					14%

VICTORIAN ORDER OF NURSES

	1962	1961	1960	1959	1958
Prenatal care	7	4	3	....	1
Prenatal instructions	102	125	1	3	5
Postnatal care	27	8	14	10	6
Postnatal instructions	2,025	2,250	2,169	2,130	2,156
Newborn care	116	149	118	69	243
Newborn instructions	3,651	2,151	2,191	2,116	2,071
Medical and Surgical, etc.	13,123	14,254	14,814	14,902	14,657
Total visits	19,051	18,937	19,310	19,230	19,139
Prenatal clinics held	85	78	48	49	48
Enrolment	161	268	177	397	....
Total attendance	1,061	837	1,177	1,406	1,561
Average attendance	12	11	25	30	32

SANITATION

	1962	1961
Inspections:		
Dwellings	11	15
Hotels, lodging houses, apartment blocks	351	378
Schools, blocks, public buildings	146	87
Stores, bakeshops, business establishments	1,719	1,936
Restaurants	3,111	3,235
Garbage cans, etc. ....	....	5
Streets, lanes, yards, dumps, etc.	6	....
Homes for the aged	12	2
Miscellaneous (including barber shops, beauty parlors, auto courts, service stations, etc.)	709	781
Public Health Education lectures	33	28
Re-inspections	6,098	6,477
	86	118
Notices:		
Written	91	48
Verbal	2,934	1,913
Complaints:		
Received from public	407	545
Justified	377	419
Received from other departments	6	3
Referred to other departments	9	13
The complaints were made up as follows:		
Garbage, streets, lanes, etc.	57	72
Vermis	38	61
Housing, plumbing and drainage	98	74
Food and drink	76	57
Miscellaneous	138	185
Licenses:		
License applications investigated	4,275	3,850
Plumbing:		
Sewer and water notices issued .....	....	4
Extension of time granted .....	....	1
Plumbing permits issued	3,873	3,769
Plumbing permits issued for old buildings	14	27
Alterations to existing plumbing (fixtures)	2,181	2,550
Privies eliminated through installation of plumbing	14	27
Number of septic tanks installed	3	8
Animals, Barns, Stys:		
Cow owners	3	4
Hog owners	4	8
Goat owners .....	....	1
Food:		
Samples submitted to Provincial Laboratory	10	6
Foodstuffs condemned lbs.—Damaged by fire, flood, etc.	59,520	1,218
Foodstuffs condemned lbs.—Poultry	54	5
Water:		
Water samples taken	10	5
Negative	10	3
*Positive .....	....	2
Wells chlorinated	1	....
*Wells condemned or further samples taken after chlorination.		
Other:		
Prosecutions	1	....
Number of student days	17	22

FOOD INSPECTION

MEATS INSPECTED AND CONDEMNED

Beef:		Carcasses Condemned	Portions Condemned	Weight (lbs.)
Abscess .....		....	453	4,530
Septicemia		10	....	4,315
Actinomycosis .....		....	87	1,790
Moribund		1	....	1,100
Others		8	14	3,345
Total inspected, 1962	4,889	19	554	15,080
Total inspected, 1961	5,738	13	559	11,785
Total inspected, 1960	6,533	17	656	14,285

Veal:

Actinomycosis .....		....	1	10
Adhesions .....		....	9	45
Parasites .....		....	1	5
Total inspected, 1962	213	....	11	60
Total inspected, 1961	647	6	8	40
Total inspected, 1960	974	....	18	100

Mutton:

Abscess .....		....	5	25
Parasites .....		....	1	5
Total inspected, 1962	64	....	6	30
Total inspected, 1961	79	....	....	....
Total inspected, 1960	46	....	5	25

Pork:

Tuberculosis .....		....	828	8,280
Parasites .....		....	886	4,430
Moribund		1	....	400
Septicemia		1	....	190
Others		1	3	150
Total inspected, 1962	12,466	3	1,717	13,450
Total inspected, 1961	19,076	2	1,994	17,140
Total inspected, 1960	18,703	3	2,000	16,210

DISEASED ANIMALS

	1962	1961	1960
Beef	545	550	648
Veal	11	8	25
Mutton	6	....	5
Pork	1,422	1,931	1,849
Total amount of meat condemned (lbs.)	28,620	28,965	30,620

CARCASSES FOUND TO BE INFECTED WITH T.B.

Beef:			
Infected .....	....	1	....
Percent .....	....	.02	....
Pork:			
Infected	810	1,177	1,157
Percent	6.02	6.86	6.18

MILK AND WATER REPORT

	1962		1961	
	Total No. Premises	No. of Inspections	Total No. Premises	No. of Inspections
Inspections:				
Producer-shippers, milk	461	1,231	456	1,157
Producer-shippers, cream	50	117	59	86
Producers-Contacts		132		204
Pasteurization Plants-Contacts		202		206
Pasteurization Plants	6	236	6	222
Vehicles		558		489
Others, Complaints, etc.		12		11
Licenses and Permits:				
Retail milk certificates issued		726		712
Dairy Licenses issued		511		515
Dairy Licenses refused .....		....		1
Dairy Licenses suspended temporarily .....		....		1
Permits issued to cow keepers in the city		5		4
Samples:				
Milk samples taken, retail		757		1,193
Milk samples taken, shippers		4,735		5,696
Cream samples taken		225		230
Chocolate milk samples		34		62
Ice cream samples .....		....		....
Tests:—Milk				
Standard plate counts		1,000		1,193
Coliform tests		1,000		1,193
Phosphatase tests		863		1,108
Methylene blue tests		4,735		5,696
*Butterfat tests		999		1,193
Restaurants:				
Swab tests of utensils		91		487
Water:				
Standard plate counts		1,374		1,056
Coliform tests		1,374		1,056
Chlorine content checks		684		256
Raw river water plate counts		106		54
Swimming Pools:				
Plate counts		922		730
Coliform tests		922		730
Inspections		310		247
Student days .....		....		5

EXPENDITURES, 1962

Salaries	\$460,092.00
Furniture and Office Supplies	6,445.00
Milk and Glasses	1,855.00
Medical Supplies	4,251.00
Printing, Postage and Stationery	7,266.00
Transportation and cars	14,836.00
Telephones, advertising and travelling	3,147.00
Uniforms	1,142.00
Miscellaneous	4,646.00
Insurances and Pensions	24,494.00
Space and Maintenance	50,476.00
	\$578,650.00

Cost per Capita — \$1.96

CLASSIFICATION OF EXPENDITURES, 1962

	Adminis- tration	Communi- cable Disease Control	Milk and Dairy Supervisor	Food and Meat Control	Well Baby Clinics	Sanitation	Vital Statistics	School Health Services	Dental Division	Bathhouse Attendant	Total Expendi- tures
Salaries	\$22,551	\$48,482	\$13,598	\$10,515	\$58,827	\$55,442	\$1,505	\$214,366	\$34,575	\$239	\$460,092
Furniture and Office supplies	1,101	522	35	...	197	29	...	3,983	578	...	6,445
Milk and glasses	...	...	...	...	...	...	...	1,855	...	...	1,855
Medical Supplies	77	803	57	...	240	17	...	1,721	...	...	4,251
Printing, Postage and Stationery	1,592	684	2	11	561	295	27	3,337	757	...	7,266
Transportation and cars	480	411	1,862	420	1,474	3,093	...	6,286	810	...	14,836
Telephones, Advertising and Travel ..	771	567	140	...	622	288	...	444	315	...	3,147
Uniforms	...	270	33	...	342	132	...	301	64	...	1,142
Miscellaneous	2,479	584	16	37	499	295	...	41	695	...	4,646
Insurances and Pensions	12,261	...	...	...	...	...	...	12,233	...	...	24,494
Space and Maintenance	4,603	14,929	...	...	14,922	...	...	8,471	7,551	...	50,476
Totals	\$45,915	\$67,252	\$15,743	\$10,983	\$77,677	\$59,591	\$1,532	\$253,038	\$46,680	\$239	\$578,650
	7.9%	11.6%	2.8%	1.9%	13.4%	10.3%	.3%	43.6%	8.1%	.1%	100%



NAME	RANK	REGIMENT	COMPANY
JOHN A. BROWN	CAPTAIN	1ST REGT. N.Y.	1ST
JAMES H. BROWN	MAJOR	2ND REGT. N.Y.	2ND
WILLIAM H. BROWN	LIEUTENANT	3RD REGT. N.Y.	3RD
EDWARD H. BROWN	CAPTAIN	4TH REGT. N.Y.	4TH
FRANCIS H. BROWN	MAJOR	5TH REGT. N.Y.	5TH
GEORGE H. BROWN	LIEUTENANT	6TH REGT. N.Y.	6TH
HENRY H. BROWN	CAPTAIN	7TH REGT. N.Y.	7TH
JACOB H. BROWN	MAJOR	8TH REGT. N.Y.	8TH
JOHN H. BROWN	LIEUTENANT	9TH REGT. N.Y.	9TH
JAMES H. BROWN	CAPTAIN	10TH REGT. N.Y.	10TH
WILLIAM H. BROWN	MAJOR	11TH REGT. N.Y.	11TH
EDWARD H. BROWN	LIEUTENANT	12TH REGT. N.Y.	12TH
FRANCIS H. BROWN	CAPTAIN	13TH REGT. N.Y.	13TH
GEORGE H. BROWN	MAJOR	14TH REGT. N.Y.	14TH
HENRY H. BROWN	LIEUTENANT	15TH REGT. N.Y.	15TH
JACOB H. BROWN	CAPTAIN	16TH REGT. N.Y.	16TH
JOHN H. BROWN	MAJOR	17TH REGT. N.Y.	17TH
JAMES H. BROWN	LIEUTENANT	18TH REGT. N.Y.	18TH
WILLIAM H. BROWN	CAPTAIN	19TH REGT. N.Y.	19TH
EDWARD H. BROWN	MAJOR	20TH REGT. N.Y.	20TH
FRANCIS H. BROWN	LIEUTENANT	21ST REGT. N.Y.	21ST
GEORGE H. BROWN	CAPTAIN	22ND REGT. N.Y.	22ND
HENRY H. BROWN	MAJOR	23RD REGT. N.Y.	23RD
JACOB H. BROWN	LIEUTENANT	24TH REGT. N.Y.	24TH
JOHN H. BROWN	CAPTAIN	25TH REGT. N.Y.	25TH
JAMES H. BROWN	MAJOR	26TH REGT. N.Y.	26TH
WILLIAM H. BROWN	LIEUTENANT	27TH REGT. N.Y.	27TH
EDWARD H. BROWN	CAPTAIN	28TH REGT. N.Y.	28TH
FRANCIS H. BROWN	MAJOR	29TH REGT. N.Y.	29TH
GEORGE H. BROWN	LIEUTENANT	30TH REGT. N.Y.	30TH
HENRY H. BROWN	CAPTAIN	31ST REGT. N.Y.	31ST
JACOB H. BROWN	MAJOR	32ND REGT. N.Y.	32ND
JOHN H. BROWN	LIEUTENANT	33RD REGT. N.Y.	33RD
JAMES H. BROWN	CAPTAIN	34TH REGT. N.Y.	34TH
WILLIAM H. BROWN	MAJOR	35TH REGT. N.Y.	35TH
EDWARD H. BROWN	LIEUTENANT	36TH REGT. N.Y.	36TH
FRANCIS H. BROWN	CAPTAIN	37TH REGT. N.Y.	37TH
GEORGE H. BROWN	MAJOR	38TH REGT. N.Y.	38TH
HENRY H. BROWN	LIEUTENANT	39TH REGT. N.Y.	39TH
JACOB H. BROWN	CAPTAIN	40TH REGT. N.Y.	40TH



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