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24594



CITY OF CALGARY

DEPARTMENT OF PUBLIC HEALTH

Annual Report for the Year 1960

LOCAL BOARD OF HEALTH FOR THE CITY OF CALGARY

His Worship Mayor H.W. Hays, Chairman

William A. Prowse, M.D. - 1958-61.

Frank L. Woodman - 1960-3

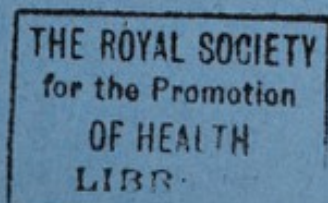
Mrs. Mary Green, 1961-2.

A.H. Nicholson, City Engineer, Ex-officio.

L.C. Allan, Medical Officer of Health, Ex-officio.

Medical Officer of Health, L.C. Allan, M.B., Ch.B., D.P.H.

Asst. Medical Officer of Health, K.A. Barrett, L.R.C.P. & S.I., L.M., D.P.H.



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Tuberculosis - Causes and Prevention
Diphtheria, Measles, Scarlet Fever and
Whooping Cough - Causes and Prevention

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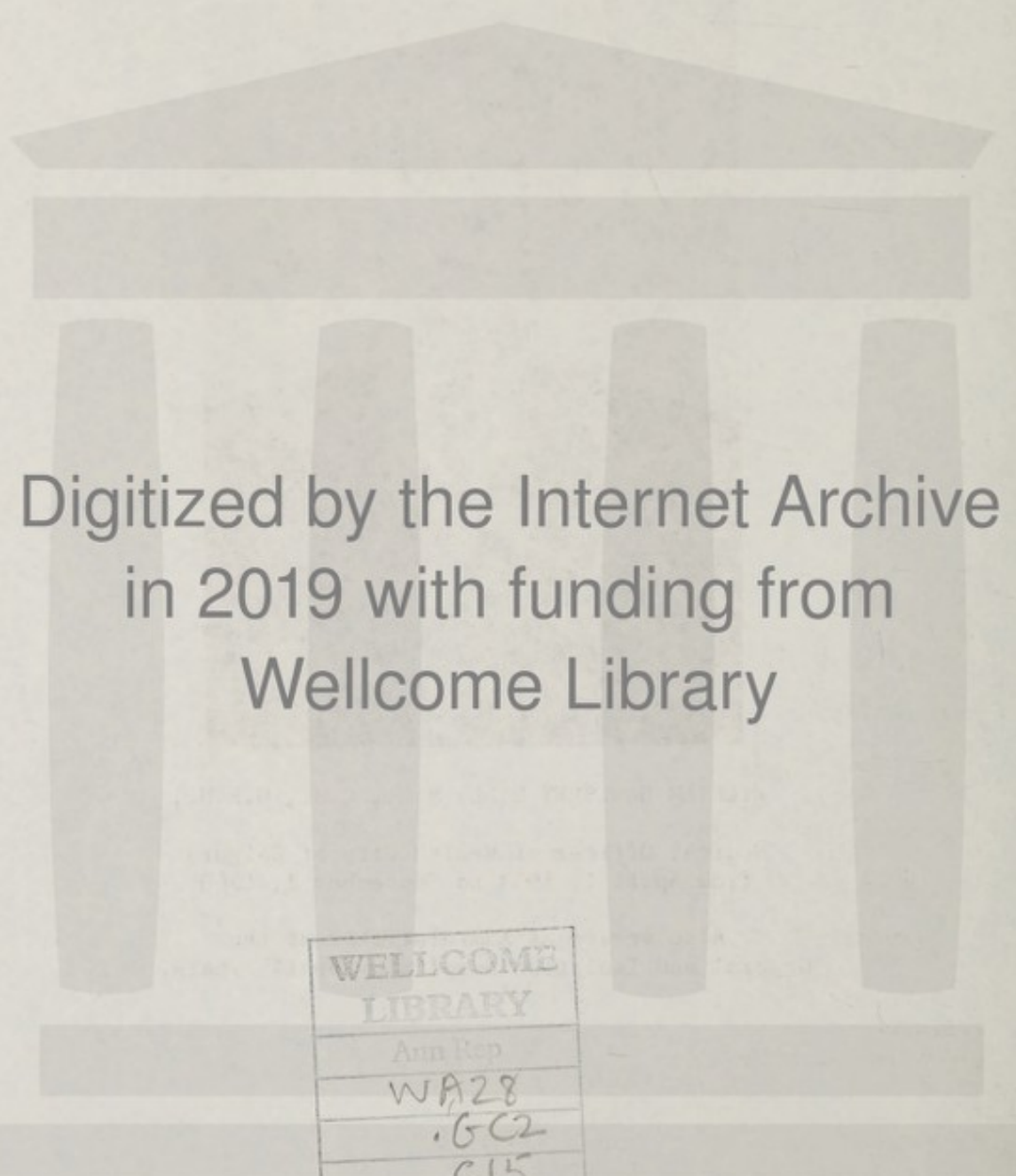
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WILLIAM HAWKSLEY HILL, M.D., C.M., D.P.H.,

Medical Officer of Health City of Calgary
from April 1, 1933 to September 2, 1960

Also served as Administrator of the
General and Isolation Hospitals for 14½ years.



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His Worship the Mayor,
City Commissioners,
Members of City Council.

Gentlemen:

I have the honour to present the annual report and financial statement of the City Health Department for the year 1960.

The civic census taken in March 1960 disclosed that the population had risen to 235,428. The 1959 census was reported as 218,418. In the past year there has been an increase of 17,010 persons. The natural increase in population is represented by the difference between total births in excess of total deaths, i.e. 7,471 births minus 1,527 deaths, or 5,944. This figure is 220 in excess of the natural increase reported in 1959. It should be pointed out that the difference between the over-all population increase (17,010) and the natural increase (5,944) or 11,066 indicates the approximate number of persons who have come from elsewhere to live in Calgary. This is double the figure of the previous year. It would indicate the confidence felt by many in the future prospects of this City.

The figures below show the trend over the last few years since the yearly civic census has been taken.

Year	Census Population	Over-all Increase	% Increase	Natural Increase Residents	+ Previous - Year
1960	235,428	17,010	7.79	5,944	+ 220
1959	218,418	11,587	5.60	5,724	+ 550
1958	206,831	14,254	7.40	5,174	+ 286
1957	192,577	12,485	6.93	4,888	+ 420
1956	180,092	-	-	4,468	-

The rates appearing in the several statistical tables of this report are based on the 1960 civic census.

The number of marriages performed during the year numbered 2,276, denoting a rate of 9.7 per 1000 of population. This is 40 fewer marriages than in the previous year. The marriage rate has been showing a slight downward trend in the last few years, but is still above both the national and provincial average.

Year	Marriages	Rate per 1000 Population
1960	2,276	9.7
1959	2,316	10.6
1958	2,307	11.2
1957	2,185	11.3
1956		11.5

The period of recession observed over the past two years may account for this decline from what had been a pretty constant figure.

The gross number of births registered during the year was 9,071 representing a rate of 38.5 per thousand of population. The gross figure includes births to parents not resident within the city limits of Calgary. The net figure, or the births to city residents only, was 7471, showing a rate of 31.7 per thousand population, slightly below the figure of the previous year. In the total gross figure of births have been included the births of illegitimate babies. A total of 588 children were born out of wedlock during 1960, an increase of 27 over the previous year. The illegitimate birth rate is 6.5% of the gross number of births. Six sets of twins are included in the figure of 588 births. 214 illegitimate births were to mothers of teen age; included in the figure are two sets of twins. 91 of the illegitimate births occurred to mothers who gave a history of a previous marriage.

The number of stillbirths registered throughout the year amounted to 86 gross for a rate of 0.37 per 1000 population. The net figure of stillbirths, residents only was 65 for a rate of 0.28. This figure shows a substantial decline from that recorded in 1958.

Gross deaths registered in the City during 1960 numbered 1848 with a corresponding rate per 1000 of population of 7.8. The net or actual City rate was 6.5 represented by deaths amongst residents of 1527. From the table of causes, it is not possible to differentiate between City and Non-City deaths. The following listing as it appears is based on the gross deaths recorded.

The chief causes of deaths are:

1. Associated disease of the heart and circulatory system	785
2. Cancer - all forms	296
3. Certain diseases of early infancy	117
4. Violent and accidental deaths	108
5. Pneumonia, bronchitis and influenza	57
6. Congenital malformations	40
7. Diabetes	27

42.5% of all mortality occurring in Calgary in 1960 was attributed to causes categorized as the group of cardiovascular-renal diseases. Diseases of the heart and circulatory system showed an increase of 162 over the previous year. Cancer of all forms accounted for 16.0% of deaths, showing a decline over the two previous years. Male deaths all ages numbered 1120 or 59.6% whereas female deaths numbered 728 or 39.4%. Accidents, poisonings and violence accounted for 108 deaths, an increase of two over the previous year. Twice as many males as females died within this category classification. Motor accidents, carbon monoxide poisoning and falls in the most part account for the needless loss of life. Emphasis, by many agencies, is constantly placed before the public on safe driving habits and about the dangers of exhaust gases from gasoline-driven engines. Reference to the classified breakdown of injuries and causes of death will be of considerable interest. In 148 deaths, the cause was given as unknown.

The number of infant deaths registered during 1960 was 190 for a rate of 20.9 per thousand live births. This is a decrease of 17 as recorded for the previous year and an improvement in the rate shown for the previous three years. It is gratifying to note that the rate 20.9 per 1000 is substantially below both the Canadian and Provincial rates as recorded for 1959. Analysis of the 190 deaths of infants in 1960 shows that 67.9% were assigned to prematurity, congenital malformations and birth injuries. These three causes invariably account for the majority of infant deaths. The footnote at the bottom of table No. 6 shows that 49.5% of infant deaths occurred within the first twenty-four hours of life.

Only one maternal death was reported in the current year for a rate of 0.11 per 1000 live births. This is the lowest figure recorded in the City and does great credit to the medical profession. The one maternal death shown was of a city resident.

The number of communicable diseases reported to the Department during the year was 1,955. There were 48 deaths from causes under the communicable diseases classification shown as follows:

Influenza	2
Measles	1
Pneumonia - all forms	40
Poliomyelitis - paralytic	3
Tuberculosis - pulmonary	2
	<hr/>
	48

In 1960, despite an aggressive drive in the promotion of poliomyelitis vaccine inoculation, 39 cases of paralytic poliomyelitis occurred in the City. This is the greatest number of cases of the disease since the introduction of Salk vaccine. The Department set up Salk vaccine inoculation clinics in many of the office blocks in the downtown area to enable adult workers to receive inoculation at their place of business. This effort enabled some 4,000 adults to receive a series of three inoculations without loss of time from their occupation. In practically every instance management welcomed this move and provided excellent facilities for the inoculation teams. Booster Salk vaccine inoculations were administered to the school children in both public and separate schools. Despite considerable publicity in promoting this vaccine measure, a great number of adults still have not bothered to avail themselves of this protection.

Building commenced in the late fall of a new Health Centre which had been long awaited. Although originally planned for the south side of the City, this Health Centre had to be relocated for the North Hill. A most modern and attractive Health Centre located immediately west of the large North Hill Shopping Centre was constructed at a cost of \$50,000.00. The Provincial Government hut on the grounds of the Institute of Technology and Art, which had been rented for the last ten years and had served as the North Hill Health Centre, was due for demolition. The Provincial Government has been most generous in allowing use of this hut to the City Health Department under very favourable financial terms for so long. It is appropriate that this generosity be officially recognized and acknowledged in this annual report. The need for a similar Health Centre to be constructed in the South of the City, where development is most active, is still urgently required.

An amendment to the Health Unit Act by the Provincial Government authorized an entirely new method of payment of Health Grants to the two major cities. A grant in aid of 50¢ per capita for general health purposes, plus 10¢ per capita for preventive dental health services, calculated on the civic census figures of the

previous year resulted in the City receiving a sum of \$131,050.80. This figure is \$47,023.80 in excess of the grant received under the former method of calculation. We are, indeed, grateful to the Senior Government for their most generous contribution to the City Public Health Services.

It is fitting that mention should be made of the retirement of Dr. W. H. Hill. Dr. Hill for the past 28 years has been the City Medical Officer of Health. Under his long direction the City has enjoyed a most favourable health record. Most of the local health regulations in effect and the very high prestige enjoyed by the Health Department have been brought about by his most excellent direction. It is, indeed, an honour and a privilege for me to have been selected to succeed such a man, whose name will be long remembered as one of the pioneers of Public Health in the Province of Alberta.

A very considerable amount of work beyond that usually considered as Public Health practice has been undertaken for other departments, chiefly Welfare, Children's Aid, Police and Personnel. The medical staff also undertakes to conduct the examinations in First Aid for the Civil Defence, Police and Safety Division of the Personnel Department.

The Department is most appreciative of the help, advice and guidance given throughout the year by the following:

His Worship the Mayor, Board of Commissioners and Members
City Council,

Members of the Calgary Public and Separate School Boards,

Superintendents and Staffs of the Provincial Sanatoria
and Mental Hospitals and Institutions,

Alberta and Calgary (Kinsmen's Club) Tuberculosis Assoc.,

Provincial Cancer Clinic,

Victorian Order of Nurses,

Metropolitan Life Insurance Co.,

The Calgary General Hospital and Holy Cross Hospital staffs and

The Calgary Press, Radio and Television Stations and all

Volunteer Workers.

The Medical Officer takes this opportunity to express his sincere thanks to each and every member of the Staff for their loyalty, co-operation and the very excellent and competent manner in which their duties have been discharged on behalf of the citizens of Calgary.

The report contains many other interesting and informative tables which may be of interest to those concerned with public health.

Respectfully submitted,

Leslie C. Allan, M.B., ChB., D.P.H.,
Medical Officer of Health.

ILLEGITIMATE BIRTHS - 1960

Date	City	Out	13	14	15	16	17	18	19	20-24	25-30	31 Plus	1st Child	2nd & Over	Prev. Mrge.	Total
Jan.	36	9		1	1	1		6	4	27	3	2	31	12	4	45
Feb.	28	17			1	1	4	6	10	14	5	4	32	13	5	45
Mar.	47	13				5	1	3	6	32	10	3	37	23	6	60
Apr.	41	12	1		2		5	4	5	20	13	3	34	19	16	53
May	30	10	1	1			5	4	7	9	10	3	29	11	4	40
Jun.	54	18		1		4	13	4	9	25	8	8	49	22	10	72
Jul.	38	11			1	2	3	3	5	22	7	6	30	19	10	49
Aug.	51	13		1	1	4	8	6	5	28	9	2	47	15	9	64
Sep.	31	18			2		2	3	7	20	7	8	32	17	9	49
Oct.	23	9			1	5	1	3	2	14	4	2	21	10	3	32
Nov.	21	18			1	1	1	8	6	12	6	4	24	15	8	39
Dec.	28	12			1		4	4	7	13	8	3	24	16	7	40
TOTAL	428	160	2	4	11	23	47	54	73	236	90	48	390	192	91	588

6 sets of twins

Total Births - 9,071

91 previous marriages

Illegitimates - 588 or 6.5%

Vital Statistics Tables, in accordance
with the form approved by the Canadian
Public Health Association, follow.

VITAL STATISTICS REPORT

Population as shown by Civic Enumeration of 1960 was 235,428

Live Births: 9,071, Rate per 1,000 population - 38.5

Stillbirths: 86, Rate per 1,000 live births - 9.5

Included in the above were 1,600 non-resident births and 21 non-resident stillbirths.

TABLE No. 1

Live Births 1956 - 1960

Year	Population	No. Including non-residents	Rate per 1,000 population	No. Residents only	Rate per 1,000 population
1960	235,428	9,071	38.5	7,471	31.7
1959	218,418	8,781	40.2	7,190	32.9
1958	206,831	7,986	38.6	6,587	31.8
1957	192,577	7,555	39.2	6,243	32.4
1956	180,092	6,978	38.7	5,709	31.7

TABLE No. 2

Stillbirths 1956 - 1960

Year	Population	No. Including non-residents	Rate per 1,000 population	No. Residents only	Rate per 1,000 population
1960	235,428	86	0.37	65	0.28
1959	218,418	84	0.38	75	0.34
1958	206,831	102	0.49	81	0.39
1957	192,577	89	0.45	68	0.35
1956	180,092	78	0.43	63	0.35

MARRIAGES

Number performed in 1960 was 2,276 Rate per 1,000 population - 9.7

DEATHS

From all causes a total of 1,848 deaths were reported, being a rate of 7.8 per thousand population, including 321 deaths of non-residents.

TABLE No. 3

MORTALITY RATE (Exclusive of Stillbirths) - 1956 - 1960

Year	No. deaths including non-residents	Rate per 1,000 population	No. residents only	Rate per 1,000 population
1960	1,848	7.8	1,527	6.5
1959	1,830	8.4	1,466	6.7
1958	1,690	8.2	1,413	6.8
1957	1,651	8.6	1,355	7.0
1956	1,541	8.6	1,241	6.9

TABLE No. 4

Chief causes of deaths, 1958, 1959 & 1960
(total number including non-residents)

Causes of Death	Number of Deaths			Rate per 100,000		
	1960	1959	1958	1960	1959	1958
Diseases of the heart, arteries and kidneys, including apoplexy	785	623	522	333.4	285.2	252.4
Cancer - all forms	296	352	320	125.7	161.2	154.7
Certain diseases of early infancy	117	141	110	49.7	64.5	53.2
Violent & accidental deaths	108	106	86	45.9	48.5	41.6
Pneumonia, bronchitis & influenza	57	59	58	24.2	27.0	28.0
Congenital malformations	40	41	46	17.0	18.8	22.2
Diabetes	27	15	15	11.5	6.9	7.3
Communicable diseases (other than tuberculosis, pneumonia and influenza)	11	6	4	4.7	2.7	1.9
*Tuberculosis - all forms	3	1	1	1.3	0.5	0.5
All other causes	404	486	528	171.6	222.5	255.2
Totals	1,848	1,830	1,690			

* See Table No. 10 and Deaths in Sanatorium

INFANT MORTALITY

The infant mortality rate for the municipality, including deaths of non-residents, is presented in the following tables for the year 1960 and the preceding four years.

TABLE No. 5

Deaths of Infants in the First Year of Life 1956-1960

	1960	1959	1958	1957	1956
Number of infant deaths	190	207	185	184	130
Rate per 1,000 live births	20.9	23.6	23.2	24.4	18.6

Number of deaths of non-residents included in the above:

1960 - 32 1959 - 35 1958 - 29 1957 - 40 1956 - 39

TABLE No. 6

Infant Mortality by Causes of Deaths 1956 - 1960

Causes of Deaths	1960	1959	1958	1957	1956
1. Diarrhoea and enteritis	-	1	4	4	2
2. Pneumonia and influenza	12	13	14	10	5
3. Prematurity	68	100	87	72	65
4. Congenital debility and malformations	37	34	42	51	22
5. Injuries at birth	24	13	6	10	9
6. Acute communicable diseases (whooping cough, diphtheria, measles, scarlet fever, etc.)	2	-	-	-	-
7. Other causes	47	46	32	37	27

Of the 198 infant deaths registered this year, 94 occurred within the first twenty-four hours, 35 within the first week, and 19 occurred within the first month, representing 77.9 percent of the total.

MATERNAL DEATHS

There were no deaths of mothers from puerperal causes in 1960.

TABLE No. 7

Maternal Mortality (Including Non-Residents) 1956 - 1960

Year	Live Births	Number of Maternal Deaths	Rate per 1,000 Live Births
1960	9,071	1	0.11
1959	8,781	2	0.23
1958	7,986	2	0.25
1957	7,555	2	0.26
1956	6,978	2	0.28

Number of deaths of non-residents included in above:

1960	-	0
1959	-	1
1958	-	0
1957	-	1
1956	-	0

TABLE No. 8

Causes of Maternal Deaths - 1960

Cause of Death	Number including non-residents	Residents Only
Abortions (septic and non-septic)	-	-
Accidents of labor (rupture of uterus)	1	1
Puerperal Sepsis	-	-
Puerperal Toxaemias	-	-

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

TABLE No. 9

Communicable Diseases (Residents Only)

Reported Cases and Deaths from Communicable Diseases in 1960

Disease	Cases		0 - 4 Years		5-14 Years		15 & Over		Totals	
	M	F	Cases	Dths	Cases	Dths	Cases	Dths	Cases	Dths
Infectious Hepatitis	21	21	1		21		20		42	
*Influenza						1		1		2
Leprosy	1						1		1	
Measles	618	578	302		888	1	6		1196	1
Meningitis - viral or aseptic	9	5	1		3		10		14	
Paratyphoid Fever 'B'	4	3	2		3		2		7	
*Pneumonia (all forms)				10		1		29		40
Poliomyelitis - paralytic	20	19	19	2	9		11	1	39	3
Rubella	46	64	25		84		1		110	
Salmonella Infections - Group C	1		1						1	
Scarlet Fever & Strep Throat	167	202	52		309		8		369	
Tuberculosis-pulmonary	30	18	8		12		28	2	48	2
-non-pul	6	6	2				10		12	
Typhoid Fever Carrier	1						1		1	
Whooping Cough	54	61	19		95		1		115	
Totals	978	977	432	12	1424	3	99	33	1955	48

* Not Notifiable in 1960

TABLE No. 10

Reported Cases and Deaths from Tuberculosis 1956-60

Year	New Active Cases	Number of Deaths in City	Number of Deaths in Sanatoria	Total Deaths	Rate per 100,000 population
1960	60	3	8	11	4.7
1959	54	1	9	10	4.6
1958	58	1	6	7	3.4
1957	59	1	10	11	5.7
1956	60	1	-	1	0.6

TABLE No. 11

Reported Cases and Deaths From Diphtheria, Measles, Scarlet Fever and Whooping Cough, 1958 - 1960

	Cases			Deaths			Mortality rate per 100,000 population		
	1958	1959	1960	1958	1959	1960	1958	1959	1960
Diphtheria	1	-	-	-	-	-	-	-	-
Measles	1019	821	1196	-	-	1	-	-	42
Scarlet Fever	400	1560	369	1	1	-	.48	.46	-
Whooping Cough	141	182	115	-	-	-	-	-	-

CAUSES OF DEATH BY AGE AND SEX (GROSS) 1960

	Males	Females	Under 24 hours	Under one year	1 to 4 years	5 to 19 years	20 to 39 years	40 to 59 years	60 years and over	TOTALS
1. Infective and Parasitic Diseases	10	7	1	1	2	3	3	5	2	17
2. Neoplasma	169	129				8	17	58	215	298
3. Allergic, endocrine system, metabolic and nutritional diseases	17	23		1		1	3	5	30	40
4. Diseases of the blood and blood-forming organs	5	4				2		4	3	9
5. Mental, psychoneurotic and personality disorders		1							1	1
6. Diseases of the nervous system and sense organs	50	51		2	2	1	1	8	87	101
7. Diseases of the circulatory system	420	256		2	1	1	21	95	556	676
8. Diseases of the respiratory system	55	23		12	1	2	4	8	51	78
9. Diseases of the digestive system	50	34		3			5	18	58	84
10. Diseases of the genito-urinary system	20	9		1		2	3	6	17	29
11. Diseases and complications of pregnancy childbirth and puerperium		1					1			1
12. Diseases of the skin and cellular tissue		3						1	2	3
13. Diseases of the bones and organs of movement	4	3							7	7
14. Congenital malformations	23	17	7	30	1	2				40
15. Certain diseases of early infancy	71	46	83	34						117
16. Symptoms, senility and ill-defined conditions	154	85	2	12			2	39	184	239
17. Accidents, poisonings and violence	72	36		2	7	13	25	14	47	108
Totals	1120	728	93	100	14	35	85	261	1260	1848
Supplementary classifications for Stillbirths	39	47								86

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASE,
INJURIES AND CAUSES OF DEATH

	M	F	City	Out	Totals
002. Pulmonary tuberculosis	2	1	2	1	3
022 Aneurysm of aorta	3		3		3
053.1 Septicaemia and pyraemia: staphylococcus	1	2	2	1	3
053.4 Septicaemia and pyraemia: organism unspecified	1			1	1
057.3 Meningococcal infections: other forms of meningococcal infection		1	1		1
080.0 Acute poliomyelitis: specified as bulbar or polio-encephalitis	2	1	3		3
082 Acute infectious encephalitis	1		1		1
085.2 Measles: without mention of pneumonia	1		1		1
096.9 Other diseases attributable to viruses: other		1	1		1
138.0 Other infective and parasitic diseases: sarcoid of Boeck		1	1		1
141 Malignant neoplasm of tongue	1			1	1
146 Malignant neoplasm of nasopharynx		1	1		1
150 Malignant neoplasm of oesophagus	1	2	3		3
151 Malignant neoplasm of stomach	22	9	25	6	31
152 Malignant neoplasm of small intestine, including duodenum	2		2		2
153 Malignant neoplasm of large intestine, except rectum	13	7	16	4	20
154 Malignant neoplasm of rectum	10	7	14	3	17
155 Malignant neoplasm of biliary passages and of liver (stated to be primary site)		7	5	2	7
156 Malignant neoplasm of liver (secondary and unspecified)	3	3	6		6
157 Malignant neoplasm of pancreas	3	9	10	2	12
160 Malignant neoplasm of nose, nasal cavities, middle ear, and accessory sinuses	1		1		1
161 Malignant neoplasm of larynx	3		3		3
162 Malignant neoplasm of trachea, and of bronchus and lung specified as primary	13	2	10	5	15
163 Malignant neoplasm of lung and bronchus, unspecified as to whether primary or secondary	12	2	10	4	14
170 Malignant neoplasm of breast	1	25	25	1	26
171 Malignant neoplasm of cervix uteri		10	9	1	10
172 Malignant neoplasm of corpus uteri		2	2		2
175 Malignant neoplasm of ovary, Fallopian tube, and broad ligament		6	3	3	6
177 Malignant neoplasm of prostate	22		19	3	22
178 Malignant neoplasm of testis	1			1	1
180 Malignant neoplasm of kidney	4	2	5	1	6
181 Malignant neoplasm of bladder and other urinary organs	5	1	5	1	6
190 Malignant melanoma of skin	1			1	1
191 Other malignant neoplasm of skin	3		3		3
193 Malignant neoplasm of brain and other parts of nervous system	9	6	9	6	15
CARRIED FORWARD	141	108	201	48	249

		M	F	City	Out	Totals
	BROUGHT FORWARD	243	209	359	93	452
342	Intracranial and intraspinal abscess		1	1		1
345	Multiple sclerosis	1	2	2	1	3
350	Paralysis agitans	2		1	1	2
351	Cerebral spastic infantile paralysis	1	1	2		2
352	Other cerebral paralysis	1		1		1
353.2	Epilepsy: status epilepticus		1	1		1
356.0	Motor neurone disease and muscular atrophy: progressive muscular atrophy	2		2		2
356.1	Motor neurone disease and muscular atrophy: amyotrophic lateral sclerosis	2	1	3		3
400	Rheumatic fever without mention of heart involvement		1		1	1
401.1	Rheumatic fever with heart involvement: active rheumatic endocarditis	1		1		1
410	Diseases of mitral valve	1	1	2		2
416	Other heart diseases specified as rheumatic	8	3	7	4	11
420.0	Arteriosclerotic heart disease, including coronary disease: arteriosclerotic heart disease so described	41	32	64	9	73
420.1	Arteriosclerotic heart disease, including coronary disease: heart disease specified as involving coronary arteries	148	42	159	31	190
421.0	Chronic endocarditis not specified as rheumatic: of mitral valve, specified as nonrheumatic	1	1	1	1	2
421.1	Chronic endocarditis not specified as rheumatic: of aortic valve, not specified as rheumatic	1	3	3	1	4
422.1	Other myocardial degeneration: with arteriosclerosis	7	8	14	1	15
422.2	Other myocardial degeneration: other	9	6	15		15
430.0	Acute and subacute endocarditis: acute and subacute bacterial endocarditis	3		1	2	3
433.0	Functional disease of heart: heart block	3		3		3
433.1	Functional disease of heart: other disorders of heart rhythm	5	2	4	3	7
434.0	Other and unspecified diseases of heart: kyphoscoliotic heart disease	1		1		1
434.1	Other and unspecified diseases of heart: congestive heart failure	18	15	25	8	33
434.2	Other and unspecified diseases of heart: left ventricular failure	1	3	4		4
434.3	Other and unspecified diseases of heart: other and unspecified diseases of heart	1			1	1
440	Essential benign hypertension with heart disease	11	13	18	6	24
441	Essential malignant hypertension with heart disease	4	4	7	1	8
442	Hypertensive heart disease with arteriolar nephrosclerosis	5	3	8		8
443	Other and unspecified hypertensive heart disease	2	9	9	2	11
	CARRIED FORWARD	523	361	718	166	884

		<u>M</u>	<u>F</u>	<u>City</u>	<u>Out</u>	<u>Totals</u>
	BROUGHT FORWARD	523	361	718	166	884
444	Essential benign hypertension without mention of heart	16	15	26	5	31
445	Essential malignant hypertension without mention of heart	2	1	3		3
446	Hypertension with arteriolar nephrosclerosis without mention of heart	2	1	2	1	3
447	Other hypertensive disease without mention of heart	3	6	9		9
450.0	General arteriosclerosis: without mention of gangrene	100	69	142	27	169
451	Aortic aneurysm specified as nonsyphilitic, and dissecting aneurysm	2		2		2
452	Other aneurysm, except of heart and aorta		5	2	3	5
453.1	Peripheral vascular disease: thromboangiitis obliterans	1		1		1
454	Arterial embolism and thrombosis	1	1	2		2
456	Other diseases of arteries	2	1	1	2	3
462.1	Varicose veins of other specified sites: varicose veins of oesophagus		1	1		1
463	Phlebitis and thrombophlebitis of lower extremities	1		1		1
464	Phlebitis and thrombophlebitis of other sites	2	1	1	2	3
465	Pulmonary embolism and infarction	8	7	13	2	15
466	Other venous embolism and thrombosis	4		3	1	4
467.2	Other diseases of circulatory system: other and unspecified circulatory diseases	5	2	6	1	7
474	Acute laryngitis and tracheitis	1		1		1
480	Influenza with pneumonia	1		1		1
481	Influenza with other respiratory manifestations, and influenza unqualified		1	1		1
490	Lobar pneumonia	6	2	6	2	8
491	Bronchopneumonia	21	9	22	8	30
492	Primary atypical pneumonia	1		1		1
493	Pneumonia, other and unspecified	5	3	7	1	8
500	Acute bronchitis		1	1		1
501	Bronchitis unqualified	1			1	1
502.0	Chronic bronchitis: bronchitis with emphysema	2		2		2
502.1	Chronic bronchitis: other	2		2		2
513	Chronic sinusitis	1	1	1	1	2
517	Other diseases of upper respiratory tract	1			1	1
521	Abscess of lung	1			1	1
522	Pulmonary congestion and hypostasis	4	4	6	2	8
525	Other chronic interstitial pneumonia	1	1	2		2
526	Bronchiectasis	3		3		3
527.1	Other diseases of lung and pleural cavity: emphysema without mention of bronchitis	4	1	4	1	5
539.1	Diseases of oesophagus: other	1	1	2		2
540.0	Ulcer of stomach: without mention of perforation	2	1	2	1	3
540.1	Ulcer of stomach: with perforation	2	3	3	2	5
	CARRIED FORWARD	732	499	1000	231	1231

		<u>M</u>	<u>F</u>	<u>City</u>	<u>Out</u>	<u>Totals</u>
	BROUGHT FORWARD	732	499	1000	231	1231
541.0	Ulcer of duodenum: without mention of perforation	5		4	1	5
541.1	Ulcer of duodenum: with perforation	3		3		3
543	Gastritis and duodenitis		1	1		1
544.1	Disorders of function of stomach: disorders of gastric motility	2		1	1	2
545	Other diseases of stomach and duodenum	1	1	2		2
550.0	Acute appendicitis: without mention of peritonitis		1		1	1
550.1	Acute appendicitis: with peritonitis	2		1	1	2
560.2	Hernia of abdominal cavity without mention of obstruction: umbilical	1		1		1
560.4	Hernia of abdominal cavity without mention of obstruction: other specified site		2	2		2
561.0	Hernia of abdominal cavity with obstruction: inguinal	2		2		2
561.1	Hernia of abdominal cavity with obstruction: femoral	1		1		1
570	Intestinal obstruction without mention of hernia: mesenteric infarction	1	1	2		2
570.3	Intestinal obstruction without mention of hernia: volvulus	1			1	1
570.5	Intestinal obstruction without mention of hernia: other	1	2	3		3
571.0	Gastro-enteritis and colitis, except ulcerative, age 4 weeks and over: ages between 4 weeks and 2 years		1		1	1
572.0	Chronic enteritis and ulcerative colitis: regional enteritis	1		1		1
572.1	Chronic enteritis and ulcerative colitis: diverticulitis	2		2		2
572.2	Chronic enteritis and ulcerative colitis: ulcerative colitis	1	1	2		2
576	Peritonitis	1		1		1
578	Other diseases of intestines and peritoneum	4	4	6	2	8
580	Acute and subacute yellow atrophy of liver	1		1		1
581.0	Cirrhosis of liver: without mention of alcoholism	7	5	11	1	12
581.1	Cirrhosis of liver: with alcoholism	2	1	3		3
583	Other diseases of liver	2	2	3	1	4
584	Cholelithiasis		4	4		4
585	Cholecystitis without mention of calculi	1		1		1
586	Other diseases of gallbladder and biliary ducts	1	2	2	1	3
587.0	Diseases of pancreas: acute pancreatitis	2	1	3		3
590	Acute nephritis	1			1	1
592	Chronic nephritis	7	4	11		11
593	Nephritis not specified as acute or chronic	2	1	1	2	3
594	Other renal sclerosis	1		1		1
600.0	Infections of kidney: pyelitis, pyelocystitis and pyelonephritis		3	2	1	3
600.2	Infections of kidney: other	1		1		1
603	Other diseases of kidney and ureter	2		2		2
610	Hyperplasia of prostate	5		3	2	5
	CARRIED FORWARD	796	536	1084	248	1332

		<u>M</u>	<u>F</u>	<u>City</u>	<u>Out</u>	<u>Totals</u>
	BROUGHT FORWARD	796	536	1084	248	1332
612	Other diseases of prostate	1		1		1
631	Uterovaginal prolapse		1	1		1
677	Delivery with other trauma		1	1		1
692.2	Other cellulitis and abscess without mention of lymphangitis: of upper arm and forearm		1	1		1
703.7	Other dermatitis: unqualified		1	1		1
704.1	Pemphigus: other		1	1		1
722.0	Rheumatoid arthritis and allied conditions: rheumatoid arthritis	3	3	4	2	6
731	Osteitis deformans	1		1		1
750	Monstrosity	3	2	4	1	5
751	Spina bifida and meningocele	3	2	4	1	5
754.2	Congenital malformations of circulatory system: interventricular septal defect	1	1		2	2
754.3	Congenital malformations of circulatory system: interauricular septal defect		2	1	1	2
754.4	Congenital malformations of circulatory system: other and unspecified malforma- tions of heart	4	3	7		7
754.5	Congenital malformations of circulatory system: coarctation of aorta	4	1	4	1	5
754.6	Congenital malformations of circulatory system; other circulatory malformations	1	1	2		2
755	Cleft palate and harelip		1		1	1
756.0	Congenital malformations of digestive system: congenital hypertrophic pyloric stenosis		1	1		1
756.2	Congenital malformations of digestive system: other	1	2	1	2	3
757.3	Congenital malformations of genito-urinary system: other	2		1	1	2
758.6	Congenital malformations of bone and joint: other congenital malformations of bone and joint	1		1		1
759.0	Other and unspecified congenital malforma- tions, not elsewhere classified: of resp- iratory system	1		1		1
759.3	Other and unspecified congenital malforma- tions, not elsewhere classified: other and unspecified	2	1	3		3
760.0	Intracranial and spinal injury at birth: without mention of immaturity	8	3	6	5	11
760.5	Intracranial and spinal injury at birth: with immaturity	1			1	1
761.0	Other birth injury: without mention of immaturity	4	5	9		9
761.5	Other birth injury: with immaturity	1	2	3		3
762.0	Postnatal asphyxia and atelectasis: without mention of immaturity	6	3	7	2	9
762.5	Postnatal asphyxia and atelectasis: with immaturity	1		1		1
763.0	Pneumonia of newborn: without mention of immaturity	1	1	1	1	2
763.5	Pneumonia of newborn: with immaturity		1	1		1
	CARRIED FORWARD	846	576	1153	269	1422

		<u>M</u>	<u>F</u>	<u>City</u>	<u>Out</u>	<u>Totals</u>
BROUGHT FORWARD		846	576	1153	269	1422
770.0	Haemolytic disease of newborn (erythroblastosis): erythroblastosis, without mention of nervous affection or immaturity	2	1	3		3
772.0	Nutritional maladjustment: without mention of immaturity	2		2		2
773.0	Ill-defined diseases peculiar to early infancy: without mention of immaturity	2	3	4	1	5
773.5	Ill-defined diseases peculiar to early infancy: with immaturity	1	1	2		2
774	Immaturity with mention of any other subsidiary condition	20	12	30	2	32
776	Immaturity unqualified	22	14	31	5	36
780.0	Certain symptoms referable to nervous system and special senses: coma and stupor		4	4		4
780.9	Certain symptoms referable to nervous system and special senses: meningismus	1		1		1
782.4	Symptoms referable to cardiovascular and lymphatic system: acute heart failure, undefined	3	3	6		6
783.1	Symptoms referable to respiratory system: haemoptysis	1		1		1
784.5	Symptoms referable to upper gastro-intestinal tract: haematemesis	3	1	3	1	4
785.2	Symptoms referable to abdomen and lower gastro-intestinal system: jaundice	1		1		1
786.2	Symptoms referable to genito-urinary system: incontinence of urine	1		1		1
788.8	Other general symptoms: pyrexia of unknown origin	1		1		1
790.1	Nervousness and debility: debility and undue fatigue		1	1		1
792	Uraemia unqualified	7	2	8	1	9
794	Senility without mention of psychosis	27	31	56	2	58
795.0	Ill-defined and unknown causes of morbidity and mortality: other and ill-defined conditions	2		2		2
795.3	Ill-defined and unknown causes of morbidity and mortality: found dead (cause unknown)	1		1		1
795.5	Ill-defined and unknown causes of morbidity and mortality: other, unknown and unspecified causes	105	43	135	13	148
E.802	Railway accident involving other and unspecified person	1			1	1
E.810	Motor vehicle traffic accident involving collision with railway train	2			2	2
E.812	Motor vehicle traffic accident to pedestrian	3	3	6		6
E.814	Motor vehicle traffic accident to rider or passenger of motorcycle, in collision with nonmotor vehicle or object	1		1		1
E.815	Motor vehicle traffic accident to rider or passenger of motorcycle in collision with other motor vehicle	2		2		2
CARRIED FORWARD		1057	695	1455	297	1752

	M	F	City	Out	Totals
	1057	695	1455	297	1752
BROUGHT FORWARD					
E.816 Other motor vehicle traffic accident involving two or more motor vehicles	2	1	1	2	3
E.819 Motor vehicle traffic accident involving collision with fixed or unspecified object	1			1	1
E.823 Motor vehicle traffic accident involving running off roadway	3	1	2	2	4
E.824 Other noncollision motor vehicle traffic accident	1			1	1
E.825 Motor vehicle traffic accident of unspecified nature	1	1		2	2
E.830 Motor vehicle nontraffic accident to pedestrian	1		1		1
E.845 Other nonmotor road vehicle accident	1		1		1
E.891 Accidental poisoning by motor vehicle exhaust gas	3	3	5	1	6
E.900 Fall on stairs	5	2	6	1	7
E.902 Other falls from one level to another	3	3	4	2	6
E.903 Fall on same level	8	10	14	4	18
E.904 Unspecified falls		2	1	1	2
E.910 Blow from falling object	3		1	2	3
E.912 Accident caused by machinery	1		1		1
E.916 Accident caused by fire and explosion of combustible material	2	5	7		7
E.919 Accident caused by firearms	3		3		3
E.921 Inhalation and ingestion of food causing obstruction or suffocation	1			1	1
E.922 Inhalation and ingestion of other object causing obstruction or suffocation	1		1		1
E.923 Foreign body entering other orifice		1		1	1
E.929 Accidental drowning and submersion	9		7	2	9
E.950 Therapeutic misadventure in surgical treatment		1		1	1
E.971 Suicide and self-inflicted poisoning by other solid and liquid substances	1		1		1
E.973 Suicide and self-inflicted poisoning by other gases	3		3		3
E.974 Suicide and self-inflicted injury by hanging and strangulation	2	1	3		3
E.975 Suicide and self-inflicted injury by submersion (drowning)		1	1		1
E.976 Suicide and self-inflicted injury by firearms and explosives	6		6		6
E.981 Assault by firearm and explosive	2		2		2
E.983 Assault by other means		1	1		1
FINAL TOTALS					
	1,120	728	1,527	321	1,848

COMMUNICABLE DISEASES REPORTED 1960

In 1960 there were more cases of poliomyelitis in the City than in any year since 1953. In 1953 the City suffered its highest incidence of poliomyelitis cases ever, recording 271 cases. The advent of the use of Salk vaccine, even on a limited trial basis, in 1954 has been a turning point in the history of this much feared communicable disease. With 53 cases reported in 1960, this figure is nearly double that of any year since 1954. Despite widespread publicity to ensure that all persons accept a series of Salk vaccine protective inoculations and more than adequate facilities available for obtaining same, many people both young and old alike have ignored the advice and choose to run an inexcusable risk. In 1960 75% of the reported cases were of the paralytic type. In the early months Type I polio virus was most frequently confirmed, but in the later months Type III polio virus was the more common cause. 53% of the cases reported had not received any Salk vaccine at all. 36% of cases had received three doses of vaccine. In the latter group paralysis was both milder and the complete recovery rate much greater. Three deaths were recorded, two cases of which no Salk vaccine had been administered. The third death occurred in a child who had received three doses of vaccine but was also recorded as suffering from fibrocystic disease. The age group 21+ showed the highest incidence of cases, with males far out-numbering the females. In the under 5 year old the sex incidence was about evenly divided. In general the female adult population is much more conscious of the importance of inoculations and insists on obtaining them. The adult male, who possibly has less opportunity to obtain protective inoculation, is more resistant to this form of disease prevention than the female. A Salk vaccine programme, taking the inoculation to numerous office buildings in the downtown area and offering the series during working hours, with the co-operation of management, resulted in some 4,000 series being completed.

During the latter quarter of the year a 4th or booster dose of Salk vaccine was offered to the entire school population. 28,690 school children were inoculated. The booster dose is advised observing a time interval of four years from the date the first Salk dose was administered. It is estimated that Salk vaccine has been responsible for a reduction of disease incidence of about 85% in the City over the years it has been available.

There are still too many persons who have not yet completed their initial series of inoculation. This vaccine is readily available to all who will take the time and effort to obtain it.

The one case of leprosy was diagnosed in a visiting male student from India. This case was isolated and treated in the General Hospital over a period of many months.

The 48 cases of pulmonary tuberculosis represent an increase of one over the previous year. One early active case of pulmonary tuberculosis in a school child was responsible for seven of his school fellows being admitted to the Sanatorium for treatment. The entire school was given the Mantoux Test and all positive reactors x-rayed and placed under surveillance.

The incidence of scarlet fever and streptococcal sore throat as reported during 1960 was very much down over the previous year when it assumed epidemic proportions.

Other forms of communicable diseases reported during the year did not differ significantly from the incidence of the previous year.

Respectfully submitted,

Leslie C. Allan, M.B., ChB., D.P.H.,
Medical Officer of Health.

CITY OF CALGARY POLIOMYELITIS CASES 1960

	0 - 5		6 - 10		11-20		21 +		Polio Virus Isolated			Aseptic Meningitis	Inoc. Status Doses				Para- lytic	Non Para- lytic	Deaths	Totals
	M	F	M	F	M	F	M	F	Type I	Type II	Type III		1	2	3	Nil				
Jan.		1							1							1	1			1
Feb.		1														1	1			1
Mar.	1						2		2							3	3		1	3
Apr.																				
May																				
June	1								1					1			1			1
July	1	3					1	1	2			1	3	2	1	1	4	2		6
Aug.	4	2	3	1	1	1	2		3		4	3	1	6	7	10	4		1	14
Sept.	2	5			1	3	2	3	2		6	3	1	5	10	12	4		1	16
Oct.	1	1	1	1			4				3	3		4	5	6	3			9
Nov.							1				1		1			1				1
Dec.			1											1			1			1
Total	10	13	5	2	2	5	12	4	11		14	10	1	5	19	28	39	14	3	53

COMMUNICABLE DISEASES REPORTED 1960

City:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Infectious Hepatitis	2	5	4	2	1	2	-	9	2	5	1	9	42
Leprosy								1					1
Measles	114	154	231	180	156	122	35	8	21	46	77	52	1196
Meningitis, viral or aseptic							2	4	4	3		1	14
Paratyphoid 'B'			5	1			1						7
Poliomyelitis - paralytic	1	1	3			1	4	10	12	6	1		39
Rubella (German Measles)	9	10	16	6	23	10	2	5	7	5	12	5	110
Salmonella Group C Inf.	1												1
Scarlet Fever, Strep Throat	45	26	68	36	26	22	6	7	7	21	61	44	369
Tuberculosis - pulmonary	4	9	3	4	10	3	5	1	4		3	2	48
- non-pulmonary	1	1	2		1	1	1	1	2	1		1	12
Typhoid Fever Carrier	1												1
Whooping Cough	10	16	24	12	18	15	2	2	3	7	6		115
Totals	188	221	356	241	235	176	56	47	64	95	161	115	1955

From Out of Town:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Infectious Hepatitis					1								1
Meningitis, viral or aseptic								1	3	1			5
Polio - paralytic	1		1					2	6	2	2	1	15
Tuberculosis - non-pulmonary					1								1
Whooping Cough						1							1
Totals	1		1		2	1		3	9	3	2	1	23

IMMUNIZATION REPORT 1960

	Number of persons given complete treatment by Health Department (Schools not included)	Reinforcing doses given
Completed Diphtheria and Tetanus	150	102
Completed Diphtheria, Tetanus and Pertussis	1,002	2,838
Completed "Quad" (DPT and Polio)	4,100	
Typhoid, Paratyphoid AB	343	
TAB and Tetanus	128	
T.A.B.T.D. - not issued by Prov. Gov't.	29	
Cholera - not issued by Prov. Gov't.	177	
Typhus - not issued by Prov. Gov't.	171	
Rocky Mountain Spotted Fever	15	
Tetanus	32	
Polio Inoculations	18,741	
Miscellaneous Inoculations (Gamma Globulin, Penicillin)	36	

SERA AND VACCINE DISTRIBUTED FOR USE IN CALGARY

Diphtheria Antitoxin, 1,000 units	11
Diphtheria Antitoxin, 40,000 units	1
Diphtheria Toxoid, singles	38
Diphtheria Toxoid, diluted, 4 c.c.	14
Diphtheria Toxoid, Pertussis Vaccine & Tetanus Toxoid - singles	704
Diphtheria Toxoid, Pertussis Vaccine & Tetanus Toxoid - 36 c.c. pkge...	64
Diphtheria Toxoid & Tetanus Toxoid, singles	506
Diphtheria Toxoid & Tetanus Toxoid, 36 c.c. pkge.	127
Diphtheria Toxoid & Pertussis Vaccine, singles	45
Gas Gangrene Antitoxin, vials of 10,000 units	72
Immune Serum Globulin c.c.'s	1,407
Materials for Schick Tests (25 tests)	152
Anti-Measles Serum, 5 c.c. pkge.	1,153
Pertussis, Vaccine, 3 c.c. pkge.	24
Poliomyelitis Vaccine, 10 c.c. pkge.	7,830
Quad (D.P.T. Polio Vaccine) 10 c.c. pkge.	3,235
Rocky Mountain Spotted Fever Vaccine, c.c.'s	142
Smallpox Vaccine, individual capillary tubes	16,944
Staphylococcus Toxoid, 2 c.c. pkge.	105
Staphylococcus Antitoxin 20,000 units	6
Tetanus Antitoxin, 1,500 units	1,029
Tetanus Antitoxin, 20,000 units	6
Tetanus Toxoid, 3 c.c. pkge.	442
Tetanus Toxoid, Paratyphoid & Typhoid Vaccine, 3 c.c. pkge.	316
Tetanus Toxoid, Paratyphoid & Typhoid Vaccine, 25 c.c. pkge.	34
Triad (D.T., Polio Vaccine) 10 c.c. pkge.	527
Typhoid & Paratyphoid Vaccine, singles	76
Typhoid & Paratyphoid Vaccine, 10 c.c. pkge.	93

(All the above material supplied free by the Provincial Government)

REPORT OF INOCULATION CLINICS
FOR 1960

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Inoculations	3358	3450	4247	4120	4876	5168	3418	3771	4085	3783	3293	2073	45642
Vaccinations	700	750	920	804	830	822	181	235	560	758	701	275	7536
Schick Tests	11	4	6	6	4	6	9	17	8	2	7	4	84
Tuberculin Tests			1										1
Swabs Taken						1							1
Total Visits Made	6	1	1	1	1		1	1	1	1	1	1	16
Totals	4075	4205	5175	4931	5711	5997	3609	4024	4654	4544	4002	2353	53280

ADULT POLIO IMMUNIZATION PROGRAMME

Special mobile clinics were set up in 1960 at industrial and commercial sites to carry out an extensive polio immunization programme for the working population. A total of 14,867 inoculations were administered to adults as follows:

1st inoculation	-	5,962
2nd "	-	5,021
3rd "	-	<u>3,884</u>
		14,867

L. C. Allan, Esq., M.B., ChB., D.P.H.,
Medical Officer of Health,
City of Calgary, Alberta.

Dear Sir:

Herewith please find the statistical reports of the work accomplished by the Division of Public Health Inspection. The report embodies such sub-divisions as General District Inspection, Quarantine, Food Control, Meat Inspection, Milk and Dairy Inspection and the Laboratory for the year 1960.

DISTRICT INSPECTION

An increase in the number of inspections is shown, due to the continued expansion of the City, including an increase in business premises catering to public demand. One student inspector was taken on staff in order to cope with added inspectional requirements.

The statistical report follows:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Inspections made	1672	1723	1840	1784	1689	1804	1537	1438	1692	1690	2085	1748	20702
Notices Issued - Written	5	9	15	24	9	15	10	4	6	7	3	4	111
Notices Issued - Verbal	463	492	591	494	460	489	473	456	416	492	533	378	5737
Complaints Received	28	45	84	66	78	63	61	94	52	58	54	30	713
Complaints Justified	23	36	78	56	66	54	50	86	46	45	39	26	605
Prosecutions	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS	2191	2305	2608	2424	2302	2425	2131	2078	2212	2292	2714	2186	27868

QUARANTINE

Total calls show a slight decline from the previous year. The report is as follows:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Quarantined	9	39	29	21	26	34	9	21	30	23	10	10	261
Released	7	6	9	24	10	15	6	1	22	11	2	-	113
TOTALS	16	45	38	45	36	49	15	22	52	34	12	10	374

FOOD CONTROL

Foodstuffs condemned were as follows:

54 gals. ice cream
453 lbs. weiners
11 lbs. steak
200 lbs. potatoes
864 lbs. cream cheese

1071 lbs. hamburger
10 lbs. pork chops
24187 lbs. watermelon
1 qt. oysters
1 chicken

MEAT INSPECTION

The total number of animals submitted for inspection shows a considerable decline from the previous year.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<u>Submitted:</u>													
Beef	167	150	170	154	171	182	192	222	194	168	220	112	2102
Veal	285	245	231	242	215	245	162	233	275	209	290	270	2902
Hogs	87	100	111	104	66	73	52	67	44	70	76	49	899
Sheep and Lamb	7	10	11	1	-	-	14	35	59	21	13	12	183
TOTALS	546	505	523	501	452	500	420	557	572	468	599	443	6086
<u>Condemned:</u>													
Beef	1	$\frac{1}{2}$	$1\frac{1}{2}$		1	1		$\frac{1}{2}$			1		$5\frac{3}{4}$
Veal			1	3			1			1	1		7
Hogs	1	$\frac{1}{2}$		$\frac{1}{2}$						$\frac{1}{2}$		1	3
Sheep and Lamb													
TOTALS	2	$\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{1}{2}$	1	1	1	$\frac{1}{2}$		$1\frac{1}{2}$	2	1	$15\frac{3}{4}$
<u>Portions Condemned:</u>													
Beef heads and tongues	12	4	2	3	3	4	6	9	7	4	7	2	63
Beef hearts	4	4	6	8	4	4	7	12	9	10	12	6	86
Beef livers	24	28	36	28	29	37	33	54	41	21	33	22	386
Beef Kidneys									2				2
Veal heads and tongues	6	2	7	5	3	5	5	3	5	2	4	4	51
Veal hearts	4	2	3	3	3	3	4	1	4	4	1	3	35
Veal livers	11	19	22	33	26	35	21	17	18	8	5	17	232
Hog heads and tongues	8	8	18	11	12	4	3	13	8	7	9	4	105
Hog hearts	4	5	6	5	5	2	4	1	5	3	2	4	46
Hog livers	2	4	11	13	5	8	3	1	7	6	7	6	73
Sheep livers	-	4	-	-	-	-	-	2	4	1	2	-	13
Sheep hearts	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS	75	80	111	109	90	102	86	113	110	66	82	68	1092

DAIRIES AND MILK CONTROL

Close supervision has been maintained over the production, transportation, processing and sale of fluid milk and cream. Statistical reports follow.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Dairy Farm Inspections	88	94	103	129	141	164	97	101	158	161	139	102	1477
Milk Plant Inspections	46	42	47	45	44	52	36	51	46	57	52	39	557
Permits Issued to Dairymen	408	16	2	4	2	7	-	2	2	3	-	3	449
Permits Issued to Cowkeepers	-	-	1	-	-	-	-	-	-	-	-	-	1
Permits issued to Distributors	5	-	-	-	-	-	-	-	-	-	-	-	5
Permits Issued to Milk Plants	5	-	-	-	-	-	-	-	-	-	-	-	5
Permits Issued to Collectors	-	-	-	-	-	-	-	-	35	-	-	-	35
Complaints received	2	-	3	3	4	2	3	4	5	4	3	1	34
Complaints justified	1	-	2	3	2	2	1	2	3	2	1	1	20
Notices issued	79	91	141	128	77	148	62	166	124	128	107	86	1337
Permits suspended		1	5	5	1	6	1	5	6	3	4	1	38
Dairymen's Sediment Tests	696	360	703	701	342	689	346	715	505	662	540	329	6588
Dairymen's Reduc-tase Tests	696	360	703	701	342	689	346	715	505	670	540	329	6596
Special Tests on Producers' samples	7	-	6	4	8	10	4	12	3	4	2	3	63
TOTAL Dairymen's Samples Collected	1399	720	1412	1406	692	1388	696	1442	1013	1336	1082	661	13247
TOTAL Distributors' Samples Collected	144	146	135	148	167	146	117	143	145	149	158	120	1718
TOTAL Samples Collected	1543	866	1547	1554	859	1534	813	1585	1158	1485	1240	781	14965
Milk Condemned - Pounds	760	1120	670	360	780	920	240	460	620	400	240	160	6730
Milk Cans Con-demned - number	17	8	14	12	9	6	-	8	7	6	8	5	100

METHYLENE BLUE TESTS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Grade I	623	294	589	606	289	562	280	498	350	606	472	287	5456
Grade II	46	46	63	60	39	65	45	101	92	46	56	26	685
Grade III	27	20	51	35	14	62	21	116	63	18	12	16	455

SEDIMENT TESTS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Grade I	218	54	172	122	127	115	75	139	107	116	169	72	1486
Grade II	471	289	509	531	204	554	254	550	385	522	351	250	4870
Grade III	7	17	22	48	11	20	17	26	13	24	20	7	232

AVERAGE OFFICIAL PLATE COUNT

Standard	-	5,456	Jersey	-	14,610
Homogenized	-	1,835	Sub Standard Cream	-	9,844
Skim Milk	-	6,062	Whipping Cream	-	19,130
		Part Skim	4,052		

AVERAGE BUTTERFAT CONTENT

Standard	-	3.42%	Jersey	-	4.55%
Homogenized	-	3.43%	Sub Standard Cream	-	10.35%
Part Skim	-	2.06%	Cream	-	34.43%

Total Milk Sales in quarts - 24,619,085

Total Cream Sales in quarts - 1,859,491

Per Capital, per day consumption:

Milk - .573 pints

Cream - .044 pints

LABORATORY

Routine analyses of samples submitted to the Laboratory have been made throughout the year. Swimming Pool samples are now submitted directly to the Provincial Government Laboratory and results are reported to this Department.

The statistical reports are as follows:

Examination of Water Supplies

Water Sample	Number Received	Presum. Lactose 100 c.c.	Presum. Lactose 10 c.c.	Presum. Lactose 1 c.c.	Agar Plate Count	Confirmation (BGB)	Completion	Total
City Water	1116	3348	3348	3348	3348	325	-	13717
Glenmore Plant	734	2202	2202	2202	2202	51	-	8859
Well Water	507	1521	1521	1521	1521	290	-	6374
Miscellaneous	252	756	756	756	756	159	-	3183
Total	2609	7827	7827	7827	7827	825		32133

Examination of Milk and Milk Products

Samples Submitted	Babcock	Phosphatase	Specific Gravity	Total Solids Test	Total Solids not fat Test	TGEM Plate Count	BGB Coliforms	Reductase (raw)	Special Tests on Producers Samples	Total
1495	1056	1066	918	918	918	4485	7475	6325	4	23165

Food and Drink Examinations

Frozen Egg	Bacteria Count	Solids	Miscellaneous	Total
Sheinen	-	-	-	-
A. P. M.	207	68	-	275
C. A. D. P.	33	11	-	44
Commercial Egg Prod.	-	-	-	-
Total	240	79	-	319

Food and Beverage Room Utensils

Plate Count

Beverage Rooms	119
Restaurants	1758
Cocktail Lounges	6
Nursing Homes	4
Misc. Exam. of Cultures	4

1891

GRAND TOTAL

57,508

CONCLUSION

During the month of September 1960, Dr. W. H. Hill, M.D., C.M., D.P.H., officially retired from the position of Medical Officer of Health. We extend to him our thanks and appreciation for his kindly advice and direction over the past many years.

On behalf of the Inspectional staff and the Laboratory staff I express to you our congratulations on your appointment as Medical Officer of Health for the City of Calgary. You may be assured, Sir, of our continued efforts to promote and maintain the health of the public under your guidance.

Respectfully submitted,

W. Pillidge, C.S.I.(C), M.R.S.H.,
Chief Inspector.

L. C. Allan, M.B., ChB., D.P.H.,
Medical Officer of Health,
City of Calgary, Alberta.

Dear Sir:

I herewith submit the report of the Nursing Homes Division for the year 1960.

Two homes discontinued service during the year and one was opened, leaving a total of thirty homes operating at the year's end.

The services of house doctors and a greater number of registered nurses have been secured, accounting for an improvement in medical supervision.

Structural improvement throughout the homes has again been noteworthy.

Beds have been continually filled and all operators must be commended for their interest in a most vital service to the city and community.

A statistical report follows.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Nursing Home Inspections	24	17	28	21	25	31	15		40	22	17	18	258
Permits Cancelled											2		2
Complaints received	1	1	3	2	1	2				1			11
Complaints justified	1		1			1							3
Licenses transferred													
T. B. Visits	13	16	21	7	8								65
TOTALS	39	34	53	30	34	34	15		40	23	19	18	339

Respectfully submitted,

(Miss) Lillian Frank, P.H.N.,
Inspector of Nursing Homes.

L. C. Allan, Esq., M.B., ChB., D.P.H.,
Medical Officer of Health,
City of Calgary, Alberta.

Dear Sir:

It gives me great pleasure to submit the following report which sets out the work accomplished by the School Health Division in the City schools during the year 1960.

The continuing expansion of our City necessitated the annual re-organization of Health Service Districts for the past year. Two extra districts were created increasing our total to thirty-six - this represents an increase of two over the 1959 total when we had thirty-four districts, an increase of five over 1958 when we had a total of thirty-one districts and an increase of seven over 1957 when we had twenty-nine districts. This increase made it necessary to employ two extra Public Health Nurses and one Certified Nursing Aid. With the present rate of growth of the City it is inevitable that more districts will have to be created in 1961. Each district was allocated to a Public Health Nurse who was responsible for carrying out within her area departmental policy relating to the School Health Service, to child conference clinics and community home visiting.

In the course of the year 11,275 school children were given routine physical examinations and their health status was assessed. A further 492 pupils were examined to assess their suitability to take part in competitive sports. The City School System had an average enrollment of 46,071 during the past year. All grade I students and all new entrants, irrespective of grade, had a routine physical examination. All grade X students were examined on a screen system and were also given a health counselling interview with the school nurse. There were 1,345 special request examinations performed and 189 handicapped children were examined. The parents of the 13,301 children examined by the School Medical Officers were invited to be present during the examination to discuss the health of their children. Of the total school population 28% had an examination by a School Medical Officer. 11,009 parents or 82.7% accepted the invitation; in 1959, 54% accepted and in 1958, 55% accepted. Most parents try to be present at these examinations as they can discuss all matters relating to health. This is a service that is very well received by the public. Where no parent is present, a brief summary of the physical findings is recorded on a special form and sent home with the child to the parent. At this time the immunization status of the child is also checked. School nurses also boosted the immunization of all grade I and grade VI students and checked and inoculated where necessary all new entrants to the Calgary School System. Special inoculation sessions were held in all schools between January and June to ensure that all parents were given an opportunity to get children fully protected against diphtheria, whooping cough, tetanus and poliomyelitis. Prior to every immunization and vaccination, written parental consent was obtained. In the course of the year 30,206 doses of Salk poliomyelitis vaccine were given, 5,241 doses of diphtheria-tetanus toxoid were given, 4,586 doses of diphtheria-tetanus-poliomyelitis vaccine were given, one dose of diphtheria toxoid was given and 5,112 vaccinations against smallpox were performed. Of the 11,275 pupils routinely examined by the school physicians, 10,533 or 93.4% were awarded an arbitrary health rating of A; 674 or 5.9% were awarded a B rating and 68 or 1.7% were awarded a C rating. Calgary children continue to enjoy a very good standard of health, I am happy to report.

The following is a summary of defects found by the examining School Medical Officers.

<u>DEFECTS</u>	<u>NUMBER</u>	<u>% OF TOTAL EXAMINED</u>
Ears	185	1.4%
Eyes	540	4.1%
Nose	91	0.7%
Teeth	3,788	28.5%
Glands	301	2.3%
Tonsils and Adenoids	581	4.4%
Speech	96	0.7%
Cardiac	127	1.0%
Pulmonary	75	0.6%
Abdominal	53	0.4%
Hernia	79	0.6%
Genitalia	150	1.1%
Feet	572	4.3%
Orthopaedic	323	2.4%
Endocrine	34	0.2%

Following the above examinations, 770 pupils were referred to their family doctors for treatment or correction of the defects found or for further investigation where indicated. The Department of Health wishes to thank family doctors in the City for reports furnished as the result of these referrals. These reports are of immense value to School Medical Officers when deciding what restrictions should be placed on a pupil. There were 510 pupils referred to the minor ailments clinic at the City Hall during the year. These cases were referred by school nurses for a further medical examination and opinion; of these 100 were referred to their doctors.

The Public Health Nursing Staff continues to be the backbone of our School Health Service and during the past year they did an excellent job to attain sound health and well-being for the pupils. Their work carried them into the schools and into the homes in their effort to get a clearer picture of the medical conditions and the environment.

The following is a summary of some of the more important activities of the Public Health Nursing Staff during the past year.

COMMUNICABLE DISEASES INVESTIGATED

Measles	600
Scarlet Fever	163
Whooping Cough	90
Chickenpox	459
Mumps	447
Rubella	45
Infestations	18
Other Causes	416

The City continued to provide glasses for needy school children in 1960 to ensure that no child would be deprived of the best education possible because of loss of vision. Glasses were only provided after enquiry into the financial state of the parents revealed that they could not provide them themselves. The provision of this very worthwhile service cost only \$326.24 and was money very well spent.

During 1960 the Health Department continued to make available for purchase in all schools an iron-vitamin supplement. This service is very well received by the public. The value of these supplements is in improving the well-being of our students and reduction of vitamin deficiency diseases and anaemias.

As the City continued to extend southward, it was felt there was a need for a well baby centre in that part of the City. So, on January 6, 1960, a centre was opened in the vacated Glenmore School at 82 Ave. S. W. If expansion continues, it may be necessary to have a larger centre in this area - one that would include a child conference clinic, immunization clinic, dental clinic, and suboffice for sanitary inspectors and clerical staff. As the City also expanded a lot in a northwesterly direction and a new university was built in that corner of the City, it was felt that more health services should be provided for the residents of that area. So clinics were held three days per week in the North Hill centre instead of two and the construction of a new well baby clinic was started during the summer months. It is hoped that this building will be opened in the spring of 1961 and the clinic will function five days per week.

The attendance at the Killarney Clinic continues to grow and the clinic now operates one day per week. During the year, the clinic moved from the old site to the junction of Richmond Road and 37 Street S. W. The Renfrew Clinic on the other hand continues to show a decline in attendance and may have to be relocated in 1961. The new centre under construction at the North Hill would be an ideal location as bus connections from the northeast corners of the City to this area are very good.

The Health Department Staff provided 2½ days tuition in public health for each of 93 undergraduate nursing students from the Calgary General Hospital during the year. This short course interests the students in postgraduate public health education and gives them a good idea of the type of work done by a City Health Department and also gives them some idea of social welfare and the various welfare agencies which exist in the City and Province. The Health Department wishes to thank the members of our staff who worked so hard to give these future nurses an insight into preventive medicine.

The Department also wishes to thank those ophthalmologists and optometrists who gave their advice and help in connection with visual defects and various eye defects.

Finally, I should like to thank all members of the staff for the excellent standards maintained throughout the year and you, Sir, for your expert advice and encouragement.

Respectfully submitted,

Kevin A. Barrett, L.R.C.P. & S.I., L.M., D.P.H.,
Assistant Medical Officer of Health.

REPORT OF THE DENTAL CLINIC

The Dental Clinic of the Health Department was without a Dental Director until September when Dr. V. Capogreco was appointed as the new Director. Dr. Capogreco, a graduate of McGill University, has his qualification in Public Health Dentistry. His appointment will add greatly to the program and efficiency of this Department.

Two major changes in policy were introduced during 1960. The Calgary Dental Society volunteered to undertake the dental inspection of all pupils in Grades I, II and III in all the city schools during the 1960-61 school year. Some 90 dentists donated their time to ensure that each child received a dental inspection and report card completed by a dentist. The work got under way in November to examine approximately 16,000 pupils. The results will be fully reviewed in the 1961 report. This survey of school pupils, carried out by the practicing dentists in a city, is believed to be unique in western Canada and points out the fine spirit of co-operation existing between the City of Calgary Dental Clinic and the profession.

With the demand for free dental treatment completely over-running the resources of the Department it became necessary to devise a "means test" to establish eligibility for treatment. Many parents who were well able to seek treatment for their children's teeth through the private dentist resources elected to attend the city dental centre. This was defeating the whole purpose of the Dental Clinic. The object of the Dental Clinic is to provide a treatment source for those children whose family economic circumstances make it impossible for them to afford treatment through the private dentist. A rather unique formula of establishing eligibility was devised which has worked very well. Where the combined family income is in excess of \$1,500. after standard income tax exemptions are deducted, such a family is not eligible for treatment at the Dental Clinic. Where the combined family income is below \$600. after standard income tax exemptions are deducted, such a family is eligible for free treatment. Where the combined family income is between \$600. and \$1,500. after deductions of standard income tax exemptions, a fee of \$1.00 per appointment is levied. This method of selection of cases ensures that the most needy families are adequately catered for.

For the greater part of the year the Clinic operated with only half its approved complement of dentists. Drs. Graham and Chue were appointed to the staff in July. It was not until the Dental Director joined the Department in September that the full complement of dentists was obtained.

SCHOOL DENTAL CLINIC STATISTICS

Total Fillings	4,153	Number of Teeth Treated	5,791
Permanent	1,245	Permanent	1,297
Deciduous	2,908	Deciduous	4,494
Total Extractions	1,637	Completed Cases	893
Permanent	56	Appointments kept	3,694
Deciduous	1,581	Appointments not kept	484
Bases	1,941	Emergencies	48
Space Maintainers	12		

YEARLY COMPARISONS

	1957	1958	1959	1960
Total Fillings	7,323	7,320	5,560	4,153
Total Extractions	2,962	3,449	2,196	1,637
Number of Teeth Treated	10,310	10,491	7,496	5,791
Completed Cases	2,100	2,229	1,528	893

The total work accomplished in the Clinic is below previous years due to shortage of staff for over six months out of the twelve. Dental decay continues to be the greatest single defect found in all general physical examinations. Much time and effort is spent in the schools by the nurses and doctors discussing with the parents and children the importance of good oral hygiene, regular dental inspection and the importance of a diet low in starches and sugars. The general public is too ready to accept dental decay as inevitable and is not fully convinced that prevention is the answer to this problem.

Despite attempting to run the Dental Clinic along private practice lines, with specific appointments for each dentist, much time is still lost by missed appointments. Though missed appointments are down from previous years, it is still a problem to educate the parents to phone in a cancellation in time to arrange an alternative booking.

In the Pre-school Dental Clinic much time and effort is devoted to education of both parents and children in prevention of dental disease. A dentist attends weekly at each of the Well Baby Clinics to counsel parents on prevention of dental decay; to examine the mouths of the pre-school children and to discuss the importance of oral hygiene. A program of applying topical fluorides, 8% stannous fluoride, to the teeth of all children prior to their first treatment appointment was started at the end of the year as a further effort to reduce the ravages of dental decay.

PRE-SCHOOL DENTAL STATISTICS

Total Fillings	4,399	Number of Teeth Treated	5,067
Permanent	101	Completed Cases	1,012
Deciduous	4,298	Appointments kept	3,770
Total Extractions	734	Appointments not kept	434
Permanent	5	Emergencies	117
Deciduous	729	Stannous fluoride applications	18
Miscellaneous	153		

An increasing number of dental educational pamphlets have been given to parents to reinforce personal interview with the dentists during treatment. There is increasing demand for dental treatment for pre-school children. This indicates a greater public awareness of the importance of preserving deciduous teeth which is encouraging.

Until parents assume a greater responsibility for leadership in the home in matters of oral hygiene and insist that teeth are brushed after every meal; see that diet follows Canada's Food Rules and take the children to a dentist every six months progress in combating dental decay will be very slow.

L. C. Allan, Esq., M.B., ChB., D.P.H.,
Medical Officer of Health,
City of Calgary, Alberta.

Dear Sir:

It is my privilege to submit the report of the Infant and Pre-School Clinics for the year 1960.

ATTENDANCE:

Infants	-	20,560	
Pre-School	-	6,303	
			<u>Total - 26,863</u>

NEW CASES:

Infants	-	5,049	
Pre-School	-	1,170	
			<u>Total - 6,219</u>

Of the new cases admitted 62 were from out of town.

ATTENDANCE BY CLINICS:

City Hall	-	7,431	-	open five afternoons a week
Scarboro	-	9,093	-	open five afternoons a week
Killarney	-	2,320	-	open one afternoon a week

The location of Killarney Clinic changed in September from Killarney Evangelical Church to Knox Presbyterian Church thus bringing the Clinic closer to the newer residential districts. Scarboro and Killarney Clinics combined gave a total of 3,711 inoculations for Polio alone.

North Hill	-	3,849	-	open three afternoons a week
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In addition to this total interview count the North Hill Clinic also gave 2,763 inoculations only (not interviewed) and 1,641 inoculations for Polio only.

Renfrew	-	1,085	-	open one afternoon a week
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In addition to this interview count the Renfrew Clinic also gave 771 inoculations only (not interviewed) and 771 inoculations for Polio alone.

Haysboro	-	2,583	-	open two afternoons a week
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In addition to this total interview count the Haysboro Clinic also gave 1,661 inoculations only (not interviewed) and 867 inoculations for Polio only. This is a new district clinic held in Glenmore school .. the first clinic was held January 14th, 1960.

City Shelter	-	508	
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In previous years the clinic totals for North Hill Clinic and Renfrew included both interview totals and "inoculation only" totals. This year the totals indicate interviews only, the "inoculation only" total is shown separately.

INFANT FEEDING COMPARISONS:

Breast	-	1,695	
Bottle	-	14,895	
Others	-	3,970	<u>Total - 20,560</u>

TOTAL NUMBER INTERVIEWED BY DOCTORS:

Infants	-	1,421	
Pre-School	-	1,544	<u>Total - 2,965</u>

Of the total of pre-school examinations, 1,544, 1,094 were found to be O. K.

It should be noted that following the month of March, 1960, the practice of inviting all pre-school children for routine examination was discontinued. For a period of 5½ months several clinics were without a doctor in attendance, consequently the total number of infants and pre-school children examined is less than previous years.

DEFECTS FOUND:

	<u>Infants</u>	<u>Pre-School</u>	<u>Total</u>
Skin	451	75	526
Eyes	66	31	97
Ears	18	26	44
Nose & Throat	41	29	70
Tonsils & Adenoids		74	74
Phimosis	13	2	15
Hernia	49	6	55
Intestinal disturbance	30		30
Chest	50	5	55
Orthopaedic	38	31	69
Congenital condition	7	2	9
Cardiac	4	8	12
Anaemia	13	8	21
Mental Defects	4	2	6
Nutrition	65	7	72
Communicable Disease	2		2
Teeth		972	972

REFERRED TO FAMILY DOCTOR

Infants	98	
Pre-School	88	<u>Total - 186</u>

HOME VISITS IN 1960:

	<u>Baby Visits</u>	<u>Post Natal</u>	<u>Special</u>	<u>Pre-School</u>	<u>Total</u>
Jan. to Mar.	205	2,219	18	1,767	4,209
Apr. to June	214	2,252	13	1,560	4,039
July to Sept.	132	2,540	7	1,676	4,355
Oct. to Dec.	166	1,991	4	1,567	3,728
	<u>717</u>	<u>9,002</u>	<u>42</u>	<u>6,570</u>	<u>16,331</u>

During the year of 1960, 101 students from the Calgary General Hospital have attended the Clinics with the Public Health Nurse with whom they are assigned for a given period.

We would like to express our appreciation to the members of the Junior Service League and the members of the Volunteer Bureau who have given so generously of their time and enthusiastic interest to assist the work of the Clinics.

Once again a special "vote of thanks" for the ladies of the Hounsfield Heights Sewing Club for providing so many lovely quilts for infants' beds. These gifts have been much appreciated by many needy families.

We are also appreciative for the interest of many firms who donate samples of vitamins and other Infant Food products.

Respectfully submitted,

(Miss) Marjorie C. Hulbert, B.Sc., R.N.,
Child Hygiene Clinic,
City of Calgary, Alberta.

Leslie C. Allan, M.B., ChB., D.P.H.,
Medical Officer of Health,
City of Calgary,
Calgary, Alberta.

Dear Dr. Allan:

The following report of the Kinsmen Nursing Service, for the year ending February 28, 1961, is submitted for your information.

This service, carried out from the Chest Clinic - City Hall, is financed by the Christmas Seal Sale, and comes under the direction of the Medical Officer of Health, the Director of Tuberculosis Control and the Medical Superintendent of the Sanatorium.

Regular office hours and a home visiting program are maintained with the many varied duties in the discovery and control of tuberculosis. Visits to all new admissions are made with the tuberculin testing of the contacts. Recent discharges are visited periodically and visits are made to new Inactive cases. Recalls from the Mobile X-Ray Unit and the City Hall Unit are visited if they fail to report.

The families of positive reactor children are urged to report for examination, in search of the source of infection. With the school survey program, these visits are made by the Public Health Nurse in the district concerned. The Nurse in the school organizes the survey, obtaining parental consent, and there are many hours involved. The consistent help received from the Health Department Staff is sincerely appreciated.

Reports on all tuberculin testing, home visiting, changes of address, etc., are forwarded regularly to the Central Tuberculosis Registry, with copies to the Sanatorium. It is necessary for frequent referral to various Social Agencies, the Welfare Department and our Rehabilitation Counselor at the Sanatorium. A monthly lecture is held with the affiliate Student Nurses at the Sanatorium, and a monthly Health Department meeting is attended.

The following table indicates a decided increase in all phases of the work. During the four month period from mid-January to mid-May, there were 3,300 tuberculin tests, nearly the total of last year. There were, however, two major groups that may not occur again for some time. During April it was learned the Mobile X-Ray Unit would be conducting a special area survey. Dr. Davison requested the school population in the area be tuberculin tested. This involved five schools, with consents received for 908. The tests were completed in early May. The response to the follow-up on the families was disappointing.

It was also during April that a case of active tuberculosis was discovered at one City school. The boy was tuberculin tested as a routine contact, following admission of an Aunt to Sanatorium elsewhere. This emphasizes again, the importance of all contacts being checked. Two younger brothers, preschool age, were also admitted. Following our tuberculin testing of the school contacts, five other school children were admitted. 1,370 were tuberculin tested, and during August and September 270 negative reactors that were considered contacts were given repeat tests. This is a total of 1,640. Only the excellent help and co-operation of the Nurse at the school made it possible.

It became evident early in April, due to the heavy tuberculin testing surveys,

that the office hours and home visiting program would be neglected. Help was requested. Mrs. O. Marshall, former Kinsmen Nurse, returned to work two afternoons a week for the month of May. It was felt impossible to carry on with one Nurse and consideration for permanent help was also requested. Mrs. Marshall rejoined our staff in mid-October working half time, and it has been a pleasure having her with us again. The office hours have been extended and the home visiting up to requirements.

WELFARE

Less time was given to Welfare problems this year. Milk assistance was started to nine families and discontinued to ten. Fourteen bottles of vitamins and two of cod liver oil were provided. Food hampers to ten families at Christmas were purchased from the Kinsmen Welfare fund. Mr. Nobbs assisted with the Christmas deliveries and the Kinettes provided gifts for the children. This fund was also used for some assistance with clothing.

The direction and co-operation received from you and the Health Department is sincerely appreciated.

Respectfully submitted,

IRENE H. WALTON,
Nurse-in-Charge,
Chest Clinic, City Hall.

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar 1960 to Feb 1961	Mar 1959 to Feb 1960	Mar 1958 to Feb 1959
Patients visiting office	255	151	189	148	131	149	107	125	162	167	189	146	1,919	1,402	1,324
Homes visited	101	79	118	56	68	89	80	108	139	135	133	73	1,179	1,040	1,061
Other calls - group testing at school, place of business, nursing aides, etc.	16	9	34	9	10	11	12	23	14	27	10	13	188	138	143
No. receiving streptomycin													512	341	224
Tuberculin Tests given - (Mantoux and Heaf)	487	133	1470	1139	148	314	183	638	550	432	509	549	6,552	3,690	3,339

Positive 804
Negative 5,748

1. In office 944
Positive 140

2. Outside office 5,608
Positive 664

(a) Nursing Aides - before and after B.C.G. 768
(b) Staff contacts - 6 places of business 378
(c) Grade X school survey 1,817
(d) Children and staff - Booth Home 77
(e) Contacts at home 20
(f) Contacts at school 1,640
(g) Mobile Unit - special area O. T. survey 908

260 Positive
134 "
102 "
6 "
3 "
84 "
75 "

L. C. Allan, Esq., M.B., ChB., D.P.H.,
Medical Officer of Health,
City of Calgary, Alberta.

Dear Sir:

It is with pleasure that we report the activities of the Chest X-Ray Clinic for the year 1960. This Clinic is sponsored by the Alberta Tuberculosis Association and is financed by the sale of Christmas Seals.

The Clinic is staffed by Alberta Tuberculosis Association staff, namely a technician and a receptionist, and the films are processed and interpreted by the Provincial Department of Public Health at Baker Memorial Sanatorium.

In submitting this report, we are also including the Industrial X-Ray reports completed by the Mobile Unit, operated jointly by the Provincial Department of Public Health and the Alberta Tuberculosis Association. A statistical report follows.

SUMMARY CHEST X-RAY CLINICS CITY OF CALGARY -

Industrial and City Hall - January 1st - December 31st, 1960.

	<u>City Hall</u>	<u>Mobile Unit</u>	<u>TOTAL</u>
Clinic Attendance	10,178	13,554	23,732
Active	6	1	7
Inactive	196	74	270
Hilar &/or Paren. Calcification	-	-	-
Further Examination Requested	206	159	365
Pleurisy Active	-	-	-
Pleurisy Inactive	5	-	5
Non. Tuber. Condition	268	263	531
Total Abnormalities	681	497	1,178

We wish to thank the City of Calgary and your Department, as well as the Provincial Department of Public Health and the Calgary Tuberculosis Association for their excellent co-operation throughout the year.

Respectfully submitted,

M. S. Holme, Technician,
Chest X-Ray Clinic,
City Hall.

VICTORIAN ORDER OF NURSES
CALGARY BRANCH

It is my privilege to present the report of the nursing service of the Calgary Branch of the Victorian Order of Nurses for the year 1960.

It is a good thing to look periodically at one's aims and objectives, and here at the reporting of our 1960 activities, let us look at the aims and objectives of the Victorian Order of Nurses and examine how these have been carried out by the Calgary Branch in the year 1960.

The aims and objectives of the Victorian Order of Nurses, as applied to the branches, are set down in the Order-in-Council of 1954. This Order-in-Council supercedes the Royal Charter of 1897 under which the Victorian Order was organized, and states; as the objects of the Order:

1. To establish, maintain and carry on a visiting nursing service, and to that end engage and direct the activities of nurses and undertake the care of the sick in their homes;
2. Demonstrate nursing methods and aid in the prevention of disease and the maintenance of health;
3. To assist in training nurses in public health nursing;
4. To establish, maintain and elevate standards of nursing service.

"To establish, maintain and carry on a visiting nursing service and to that end engage and direct the activities of nurses and undertake the care of the sick in their homes and demonstrate nursing methods" ... we, in the Calgary Branch, feel this is our primary objective and to support this statement would refer you to the statistical table which terminates this report. Figures can be very cold and inhuman, but the nursing care represented by these figures is not cold and inhuman. It means a skilled professional nurse visiting to administer expert bedside care, whether it be an injection, a bed bath, a dressing or other treatment. We wish we could transport you to a typical home where the V.O.N. nurse is visiting. Here is an elderly woman taking slow steps with the aid of a cane in one hand, and the nurse following closely behind giving encouragement. Not a very dramatic scene until we think of this setting two months ago -- here our patient was lying in bed, paralyzed on one side and very despondent about her future -- she knew she would never get around after this stroke. Two months later she and we knew better, but in those preceding weeks were many discouraging days. The V.O.N. nurse, at the request of the physician, visited almost every day, giving bed baths and exercises to keep the muscles in good tone, and then when movement gradually returned, helping the patient to relearn the use of these muscles. This is a demanding task for both patient and nurse, but as weeks go by the struggle is justified. This illustrates what we mean by skilled nursing care to all members of the community.

Our second object is to aid in the prevention of disease and the maintenance of health. This is carried out in several ways: first, by the health instruction which is a vital part of any visit made to a home by a V.O.N. nurse. It may be in connection with a medical or surgical case or it may be part of our maternity program which includes visits to expectant mothers and to mothers with new babies, or it may be within the formal setting of our pre-natal classes. Whatever the setting we, as a public health agency, feel it is our duty to carry out this educational program to play our part in raising the level of the health of the community.

To quote our third object "to assist in training nurses in public health nursing". The contribution made by this Branch to the nursing education program is for the most part in providing observation periods and field work experience for student nurses and nurses in post-graduate work respectively. Eighty hospital students each spend two and one-half days with us, and five post-graduate students visited us for 47 days, to learn at first hand what is the function of a visiting nurse agency.

Our fourth object is "To establish, maintain and elevate standards of nursing service". At all times are we conscious of the need for the highest standard of nursing care. But we feel that the newest venture of the Calgary Branch definitely falls within this category -- this is our hospital referral program. Towards the latter part of 1960 the decision was made to embark upon a brand-new activity for Calgary -- the provision of a V.O.N. nurse in the Calgary General Hospital to act as a liason between the hospital and the community. It was arranged that one of our nurses spend three hours each day five days a week in the hospital talking with doctors, hospital staff and the patients concerned as to the necessary home nursing care for the patient. We feel this is an important step forward in complete patient care and are happy to provide this service in the Calgary General on a contractual basis. It commenced on 3rd January, 1961, and we are gratified with the progress to date.

In 1960 our service was extended to the Town of Bowness and to the Town of Montgomery as of 1st January, 1961, and it is a source of satisfaction to us to know that these areas are covered by V.O.N. service.

To give you statistics of our service, we would refer you to the end of this report. We feel the figures will tell their own story -- how our calls have increased, with a greater increase in the adult and children's nursing care, which are within the medical and surgical category. It is these visits which demand the most time and effort and these which show how we assisted in the current hospital bed shortage.

Now having related our accomplishments in 1960, we would hasten to correct any impression that we did this alone -- this was only accomplished with the co-operation of the many other community agencies, both official and voluntary as well as the medical profession. It was only with their assistance that we were able to help our patients and we want to express our thanks.

Our Board members, under the able presidency of Mrs. O. H. Might, have offered the utmost in understanding assistance and guidance and I would like to record here my sincere appreciation.

To our staff nurses and to our office secretary may I say thank you for all your diligent and excellent work. There have been many busy and demanding days, but all met with unfailing cheerfulness and untiring skill.

This concludes the annual report of nursing service for the year 1960. It has been a year of constant activity, a year of interest, and, we think, a year of progress.

Respectfully submitted,

(Signed) I. Simister
District Director.

SERVICE STATISTICS

	<u>Nursing Care</u>			<u>Health Inst.</u>		
	<u>1960</u>	<u>1959</u>	<u>1958</u>	<u>1960</u>	<u>1959</u>	<u>1958</u>
Prenatal	26	16	15	38	32	47
Postnatal	43	29	56	1,467	1,602	1,442
Newborn	535	612	582	1,948	2,227	1,980
Infant	26	71	83	654	743	623
Preschool	42	65	151	17	30	39
School	47	172	258	6	17	11
Adult	<u>13,740</u>	<u>12,605</u>	<u>11,668</u>	<u>514</u>	<u>407</u>	<u>379</u>
Total	<u>14,459</u>	<u>13,570</u>	<u>12,813</u>	<u>4,644</u>	<u>5,058</u>	<u>4,521</u>

Total Visits

	<u>1960</u>	<u>1959</u>	<u>1958</u>
Nursing Care	14,459	13,570	12,813
Health Instruction	4,644	5,058	4,521
Pt. Not Seen	393	334	250
On behalf of patient	27	21	37
Home delivery (equivalent visits)	<u>10</u>	<u>5</u>	<u>10</u>
	<u>19,533</u>	<u>18,988</u>	<u>17,631</u>

Number of Patients Visited

	<u>1960</u>	<u>1959</u>	<u>1958</u>
Prenatal	27	29	23
Postnatal	771	830	761
Newborn	781	870	779
Infant	31	38	52
Preschool	22	33	40
School	8	23	24
Adult	<u>847</u>	<u>731</u>	<u>723</u>
	<u>2,487</u>	<u>2,554</u>	<u>2,402</u>

Pay Status of Visits

	<u>1960</u>	<u>1959</u>	<u>1958</u>
Full	4,160	3,974	3,339
Part	3,289	3,880	4,837
Free	7,550	5,993	4,848
No Charge	4,433	5,089	4,567
Insurance	46	14	23
Contract	5	7	16
Govt.	<u>50</u>	<u>31</u>	<u>1</u>
	<u>19,533</u>	<u>18,988</u>	<u>17,631</u>

Attendance at
Pre-natal Class 169 209 205 patients enrolled

FINANCIAL STATEMENT

HEALTH DEPARTMENT (General)

	<u>1960</u>	<u>1959</u>
Salaries	133,390.39	124,653.08
Travelling Expenses	457.00	222.00
Private Car Allowances	6,544.00	4,936.74
Rental - Passenger Cars	2,557.50	5,541.50
Employees' Transit Tickets & Passes	1,239.07	1,105.44
Maintenance & Repair - Equipment	513.32	537.65
Utilities	774.78	628.00
Telephones & Telegrams	302.10	231.97
Laundry Service	622.24	725.76
Milk Inspection	1,028.93	1,028.04
Meat Inspection	40.24	68.36
Fly and Insect Control	13,694.17	7,279.03
Insurance	62.00	291.66
Postage	538.00	634.48
Printing, Stationery & Office Supplies	2,153.81	2,089.86
Janitorial & Housekeeping Supplies	124.94	128.14
Laboratory Materials & Supplies	334.81	663.45
Sundry Materials	342.43	611.25
Drugs - Medical and Clinical (Serums)	269.83	195.60
Chemicals (Disinfectants)	356.27	198.92
Equipment - Laboratory	542.01	432.15
Equipment - Office Machines	-	572.17
Furniture & Furnishings	409.62	1,274.63
Aid to Needy (Milk)	2,062.37	3,291.29
Staff Development and Training	40.00	160.00
Data Processing - Payroll	-	270.93
	<u>\$168,399.83</u>	<u>\$157,772.10</u>

SCHOOL MEDICAL AND DENTAL SERVICES

Salaries	230,426.06	210,596.57
Travelling Expenses	314.00	510.00
Private Car Allowances	4,016.13	2,952.00
Rental - Passenger Cars	5,228.00	3,957.75
Employees' Transit Tickets & Passes	4,018.45	3,795.98
Maintenance & Repair - Equipment	272.83	58.15
Laundry Service	636.25	688.04
Printing, Stationery & Office Supplies	2,568.56	1,956.22
Medical Supplies	2,654.89	1,396.18
Dental Supplies	4,297.84	2,629.76
Sundry Materials	710.82	478.10
Equipment - Medical & Dental	410.94	724.81
Furniture & Furnishings	429.23	753.01
Aid to Needy (Glasses)	326.24	179.85
Staff Development & Training	120.00	111.00
Data Processing - Payroll	-	393.29
	<u>\$256,430.24</u>	<u>\$231,180.71</u>

INFANT AND PRE-SCHOOL CLINICS

	<u>1960</u>	<u>1959</u>
Salaries	14,082.96	11,918.61
Private Car Allowances	240.00	422.00
Rental - Passenger Cars	1,320.00	1,322.50
Employees' Transit Passes & Tickets	274.08	417.04
Rental - Buildings & Property	570.74	838.00
Maintenance & Repair - Buildings & Property	226.25	-
Maintenance & Repair - Equipment	12.77	8.89
Sundry Materials	931.12	141.27
Furniture & Furnishings	843.51	-
North Hill Health Centre - Furnishings & Equipment Fund	10,000.00	
	<u>\$28,501.43</u>	<u>\$15,068.31</u>

SCARBORO HEALTH UNIT

Salaries	5,916.00	5,524.00
Private Car Allowances	360.00	-
Rental - Buildings & Property	305.00	250.00
Maintenance & Repair - Buildings & Property	20.76	467.16
Maintenance & Repair - Equipment	53.21	8.90
Utilities	273.36	229.52
Telephones & Telegrams	106.00	95.25
Laundry Service	211.96	200.35
Janitorial & Housekeeping Supplies	37.58	65.13
Sundry Materials	43.71	61.44
Furniture & Furnishings	126.12	94.72
	<u>\$7,453.70</u>	<u>\$6,996.47</u>

SUMMARY

Health Department - General	168,399.83	157,772.10
School Medical & Dental Services	256,430.24	231,180.71
Infant and Pre-School Clinics	28,501.43	15,068.31
Scarboro Health Unit	7,453.70	6,996.47
	<u>\$460,785.20</u>	<u>\$411,017.59</u>

	<u>1960</u>	<u>1959</u>
Population	235,428	218,418
Receipts from Provincial Health Grants	\$131,050.80	\$84,027.00
Per Capita expenditure - less Grants	1.40	1.50
Per Capita expenditure - not including Grants	1.96	1.88

EXPENDITURE FOR PAST FIVE YEARS

	<u>1960</u>	<u>1959</u>	<u>1958</u>	<u>1957</u>	<u>1956</u>
Total	\$460,785.20	\$411,017.59	\$376,704.06	\$326,799.15	\$295,853.50
Per Capita (not including Grants)	1.96	1.88	1.82	1.70	1.64

