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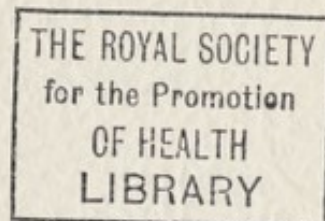
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The City of Calgary

**DEPARTMENT OF PUBLIC HEALTH**

**ANNUAL REPORT 1965**

**LOCAL BOARD OF HEALTH FOR THE CITY OF CALGARY**

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Dr. G. K. Higgins

Mrs. M. Green

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

Deputy Medical Officer of Health, Agnes E. O'Neil, M.D., D.P.H.

RCB/35 (ae)



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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 the financial statement of the City Health Department for the year 1965.

The Civic Census taken during the month of January disclosed that the population had been enumerated as 311,116 persons. The over-all increase in population for 1965 is 16,192 for a percentage increase of 5.5%. Included in this total are the 9,116 persons living in Bowness, which became part of the City of Calgary on August 15th, 1964. As the Town of Bowness only formed part of greater Calgary for a period of four and one-half months in 1964, its population was not included in the statistical calculations for that year. The natural increase of population over the past sixteen months numbered 5,253, (i.e. 7,235 births minus 1,982 deaths). This figure represents a decrease of 482 persons from that recorded in the previous year. It should be pointed out that the difference between the over-all population increase (16,192) and the natural increase (5,253) or 10,939 represents the approximate number of persons who have come from other places to swell the City population. In actual fact, 9,116 can be assigned to the Town of Bowness at the time of its annexation to Calgary, so that the actual increase in population coming from other centres is only 1,823 for the year under review.

The figures below show the trend over the last five years.

<u>Year</u>	<u>Census Population</u>	<u>Over-all Increase</u>	<u>% Increase</u>	<u>Natural Increase Residents</u>	<u>+ Previous - Year</u>
1965	311,116	16,192	5.5	5,253	- 482
1964	294,924	17,949	6.5	5,735	- 517
1963	276,975	7,907	2.94	6,252	+ 72
1962	269,068	27,393	11.33	6,180	+ 372
1961	241,675	6,247	2.65	5,808	- 136

The rates appearing in the statistical tables of the report are based on the 1965 Civic Census population of 311,116 persons.

The number of marriages recorded during the year numbered 2,673 for a rate of 8.6 per thousand population. This figure represents an increase of 192 marriages over the previous year and a continuation of the upward trend which commenced last year. The influence of the low birth rate during the years of World War II has run its course. It is expected that in the years to follow there will be a noticeably steady rise in the number of marriages recorded in the City.





<u>Year</u>	<u>No. of Marriages</u>	<u>Rate per 1,000 Population</u>
1965	2,673	8.6
1964	2,481	8.4
1963	2,171	7.8
1962	2,345	8.7
1961	2,331	9.6

The gross number of births registered in the City during 1965 totalled 7,895 for a rate of 25.4 per 1,000 population. This figure includes births to females not normally residents within the City boundaries. In 1965 there were 7,235 births registered for a rate of 23.2 per 1,000 population to actual City residents. This net figure is a decrease of 453 births from that recorded in the previous year and a decrease of 797 from the all-time high figure recorded in 1963 of 8,032. There has been a decided and steady fall in the birth rate over the last several years. This trend, which is quite evident locally, is in keeping with a pattern also occurring in other centres. There is little doubt that this trend is due to an increasing interest in methods of contraception and to the use of contraceptive pills by women in the reproductive age groups. It is of interest to note that in comparison to the birth rate of 23.2 per 1,000 in 1965, the corresponding rate a decade ago was reported in the City as 34.8.

Included in the total births, 7,895, are 911 illegitimate babies representing 11.54% of all births occurring in the City hospitals. 750 illegitimate births were recorded to females actually domiciled within the City boundaries or 10.37% of the net total of 7,235. This figure of 750 is an increase over the previous year (692) of 58 or an increase over the previous year of 8.4%. 161 illegitimate babies were born in the City of Calgary but registered to non-resident females. This is an increase in number over the previous year (142) of 19 or an increase of 13.4% over the previous year. From the accompanying Table it will be seen that in the age group 14 - 19 there were 353 illegitimate births to girls classed as teenagers, 377 such births in the 20 - 24 year age group.

The number of illegitimate births shows a steady and substantial rise each year and is nearly double that recorded ten years ago (5.8%). This City is not by any means unique in this pattern. It is a matter of some concern, however, that 10.37% of the total births in the City are registered without the name of a father. This steady rise in the illegitimate birth rate coincides with the increase of married women coupling a career with that of a mother and homemaker. Parental control within the home is possibly surrendered at an earlier age than it used to be to the young people of today. Youth is exposed to situations in the increasing tempo of life it is ill prepared to meet. An increase in leisure time, greater freedom with the family automobile, earlier physical maturity and the restless quest for doing things for "kicks" are without doubt some of the factors responsible for the ever rising figures.





ILLEGITIMATE BIRTHS - 1965

Month	City	Out	14	15	16	17	18	19	20-24	25-30	31+	1st Child	2nd & Over	Prev. Mrge.	Total
Jan.	42	11	1		3	5	4	1	22	*12	5	32	21	8	53
Feb.	57	14	1	5	3	7	7	10	26	6	6	49	22	7	71
Mar.	70	20	1	5	1	10	10	14	32	15	2	60	30	11	90
Apr.	55	12		1	1	4	9	11	*30	5	6	43	24	9	67
May	67	20		1	3	9	9	13	35	8	9	62	25	11	87
June	75	11	1	1	5	5	9	*11	31	11	12	58	28	17	86
July	52	8		1	2	4	4	*9	29	6	5	44	16	10	60
Aug.	78	10		2	7	8	10	8	*39	7	7	58	30	18	88
Sept.	66	19	1	1	2	9	11	7	37	9	8	58	27	10	85
Oct.	53	15		1	2	3	6	*12	32	10	2	44	24	11	68
Nov.	61	11			2	7	10	10	29	9	5	53	19	11	72
Dec.	74	10		1	4	5	*8	*15	35	11	5	56	28	17	84
Total	750	161	5	19	35	76	97	121	377	109	72	617	294	140	911

\* There were eight sets of twins. 140 mothers were previously married.

1965 Illegitimate Births - 911 or 11.54% of all births in the City  
750 or 10.37% recorded as City residents

1964 Illegitimate Births - 834 or 9.76% of all births in the City  
692 or 9.00% recorded as City residents

VITAL STATISTICS REPORT

Population as shown by Civic enumeration in January 1965 was 311,116.

Gross Live Births	- 7,895	Rate per 1,000 population	- 25.4
Gross Stillbirths	- 93	Rate per 1,000 Live Births	- 11.8

Net Live Births - City Residents	- 7,235	Rate per 1,000 population	- 23.2
Net Still Births- City Residents	- 79	Rate per 1,000 Live Births	- 10.9

Included in the above were 660 non-resident births and 14 non-resident stillbirths.

POPULATION - 1961

Age Group	Male	Female	Total
0-4	1,200	1,100	2,300
5-9	1,100	1,000	2,100
10-14	1,000	900	1,900
15-19	900	800	1,700
20-24	800	700	1,500
25-29	700	600	1,300
30-34	600	500	1,100
35-39	500	400	900
40-44	400	300	700
45-49	300	200	500
50-54	200	100	300
55-59	100	50	150
60-64	50	20	70
65-69	20	10	30
70-74	10	5	15
75-79	5	2	7
80-84	2	1	3
85-89	1	0	1
90-94	0	0	0
95-99	0	0	0
100+	0	0	0
Total	10,000	9,000	19,000

These figures are based on the 1961 Census of India. The population of the city is estimated to be 19,000. The population of the district is estimated to be 1,00,000. The population of the state is estimated to be 10,00,000. The population of the country is estimated to be 100,00,000.

POPULATION - 1951

Population as shown by 1951 Census - 1,00,000. The population of the city is estimated to be 10,000. The population of the district is estimated to be 1,00,000. The population of the state is estimated to be 10,00,000. The population of the country is estimated to be 100,00,000.



The gross number of stillbirths registered during the year was 93 for a rate of 11.8 per 1,000 births. The net figure of 79 represents residents only for a rate of 10.9 per 1,000 live births. This year for the first time in five years the upward trend has been reversed. It is a family tragedy when the months of anticipation of the new baby expected in the home are saddened where the birth event results in a dead child.

Gross deaths during the year 1965 from all causes numbered 2,252. This figure includes deaths of persons not actually residents of the City. When converted into a rate per 1,000 population the figure is 7.2. Total deaths recorded in the registered statistics over the year are actually 15 fewer than in the previous year. The net deaths or deaths recorded as occurring in persons resident within the City limits numbered 1,982 for a rate of 6.4 per 1,000 population. The death rate remains remarkably constant though showing a slight decline over the previous year with 29 fewer deaths recorded. Deaths of non-residents numbered 270 persons.

The following Table shows the chief causes of death and is based on the gross deaths recorded.

The Chief Causes of Deaths Are:

1. Diseases of the heart and circulatory system (code numbers A 79 to A 86) accounted for 600 deaths. Vascular lesions affecting the central nervous system (code number A 70) accounted for 250 deaths.	600 + 250 =	850
2. Neoplasms - all forms (code numbers A 44 - A 60)		461
3. Violent and accidental deaths (code numbers AE 138- AE 149)		170
4. Diseases of the respiratory system (code numbers A 87 - A 97) including pneumonia, bronchitis, emphysema, bronchiectasis, etc.		164
5. Diseases of the digestive system (code numbers A 99 to A 107) including peptic ulcers, herniae, cirrhosis of liver, cholecystitis and cholelithiasis, etc.		110
6. Certain diseases of early infancy (code numbers A 130 - A 135) including birth injuries, infections and prematurity		98
7. Congenital malformations (deaths in all age groups)		47
8. Diseases of the genito-urinary tract (code number A 108 - A 114) including nephritis, pyelitis, renal calculi, prostatic hypertrophy, etc.		43
9. Diabetes mellitus (code number A 63)		32





Deaths from Communicable Diseases:

1. Tuberculosis, pulmonary and non-pulmonary (including deaths in Sanatoria)	7
2. Measles	3
3. Septicaemia and pyaemia	3
4. Meningococcal Infection	1
5. Acute Infectious Encephalitis	1
6. Late effects of acute Poliomyelitis	1
7. Salmonella Infection	1
8. Infectious Hepatitis	1
9. Acute fulminating bacteraemia and toxæmia	1

Diseases involving the heart and circulatory system together with vascular lesions of the central nervous system accounted for 37.7% of all mortality during the year. Diseases in this group showed a slight rise in incidence (850) over the same classification in the previous year (832). Total deaths in these categories for actual City residents numbered 755 representing a figure of 38.1% of the total City deaths. Diseases affecting the cardiovascular system remain solidly on top of the list of conditions responsible for ending life. Heart disease occurs generally in the period from middle adult life to old age. With the increasing life expectancy there will be a greater number of persons at risk in this age group; consequently the number of deaths attributable to this category will not tend to diminish. Much sound advice is given daily in the doctor's consulting room on how to stave off heart disease. Pamphlets distributed by the Heart Foundation, articles in magazines and newspapers refer constantly to the evils of cigarette smoking, to the dangers of becoming overweight and of not indulging in a regular regime of physical exercise. The commonest cause of overweight is undoubtedly from overeating and from adopting improper food habits. Coronary heart disease is taking an increasing toll of human life, especially amongst the adult males. Heavy cigarette smoking, high blood pressure and physical inactivity have been shown to be associated with the significantly increasing incidence of this disease. Everyone should indulge in some form of simple physical exercise or take part in some form of recreational activity. It is only in this way that the heart and circulation retains its tone over the years. Too many people continue to drive everywhere in their automobiles, or to rely on the elevator taking them up to their office. A good brisk walk, or simply climbing several flights of stairs daily during the week are good preventive measures in warding off heart ailments.

Malignant diseases of all forms accounted for 20.5% of deaths and remain unchanged from the previous year. There were 403 deaths due to



Psychological Aspects of the Problem

1. Introduction and background
2. Statement of the problem
3. Review of literature
4. Methodology
5. Results and discussion
6. Conclusions
7. References
8. Appendixes
9. Bibliography

The purpose of this study is to investigate the psychological aspects of the problem of the... (text continues with a detailed description of the study's objectives, methodology, and findings, including a discussion of the results and their implications for the field of psychology).

It is hoped that the results of this study will contribute to the understanding of the psychological aspects of the problem and provide a basis for further research in this area.

neoplastic conditions in persons designated as City residents with total deaths due to this condition recording 20.3% of all deaths. With increasing longevity the incidence of death from these conditions will continue to rise. Early diagnosis provides the only hope for a successful outcome. Many forms of cancer are often too far advanced before the sufferer consults a physician.

Each year continuing evidence is presented of the high incidence of death due to cancer of the lung. During 1965 there were 54 deaths ascribed to this condition for an over-all rate of 23.9 per 1,000 deaths. This is actually a decrease of seven deaths from that recorded in the previous year. Deaths due to lung cancer for City residents numbered 48, or two less than in 1964, for a rate of 24.2 per 1,000 deaths. Males far outnumber the females where this condition is concerned. There were 41 males and seven females recorded as dying from a cancerous condition in the various areas of the pulmonary system. The ratio remains very constant each year, about six males for every one female. Tobacco consumption shows no evidence of decline despite frequent reports and warnings of its potential danger being widely reported in the press and magazine articles. The Department has made a point of having the film "Smoking and You" shown to all school pupils in the junior and senior high schools by the School Nurse as part of a continuing campaign to brief the up-coming generation of the dangers of cigarette smoking. To those who continue to smoke, let me again emphasize the necessity of accepting a chest x-ray each year. Only by early detection by means of x-ray may the victims of lung cancer have even a slim chance of successful cure.

Violent and accidental deaths during the year totalled 170, a figure unchanged from the previous year. 142 victims were City residents with 28 deaths recorded as out-of-town. Deaths in this broad category in City residents account for 7.6% of all deaths recorded. This represents a very substantial number of potential workers denied the opportunity of fulfilling their rightful role in life and a shocking loss of earning potential within the community. 30 deaths were recorded as due to motor vehicle accidents or 1.5% of all deaths. Doctors and nurses in hospital are called upon to devote a staggering amount of time in attempting to patch up and salvage human bodies severely mutilated as the result of motor vehicle accidents each year. Despite wide publicity through the press and news media about each motor vehicle accident or fatality, the toll continues to creep upwards year by year. During the year 1965 the age group showing the highest incidence of death was 25-44 years, closely followed by the 45-64 year group recording 16 and 13 deaths respectively. Out of 29 deaths in these age groups, the figures recorded are 26 males and three females. Although mental health experts declare that experience and judgment are lacking before the age of 25 years, it would appear that those in age groups credited with these assets are not utilizing them properly.

Accidental falls accounted for 36 deaths with 26 recorded as being of the female sex and City residents over the age of 65 years. Despite campaigns carried on on a year-round basis to make the public safety conscious, to exercise every precaution and respect for firearms and water, every year sees an awful toll and needless loss of life from these causes. Drownings and





deaths from firearms amounted to seven in the current year. Suicides and self-inflicted injuries numbered 33 in City residents. Deaths ascribed to ill-defined and unknown causes numbered 146 in 1965. This number represents deaths of persons usually not under the care of a doctor. With only a sketchy medical history being available to a physician called to see a body after death, without an autopsy it is impossible to assign the actual cause of death to a defined classification. If autopsies were performed on such cases this figure would be considerably less and the statistics more accurate.

In 1965 there were 170 deaths of infants in their first year of life representing a rate of 21.5 per 1,000 live births. This figure includes 15 non-resident infant deaths. The 155 deaths of infants to City residents represents a net infant mortality rate of 21.4 per 1000 live births. Gross infant deaths are 31 fewer than in 1964. Prematurity, congenital malformations and birth injuries account for over 65.3% of the deaths in this category. This figure remains fairly constant over the years. 71 infant deaths or 41.8% occurred in the first twenty-four hours after delivery. 118 or 69.9% of deaths occurred within the first week of delivery and 130 or 76.4% occurred during the first month.

There was only one death due to childbirth in residents of this City in the current year. The gross maternal death rate is 0.13 per 1,000 live births and is a credit to the skill of the medical profession.

Communicable disease reported to the Department during 1965 totalled 3,945. This is a decrease of 4,105 cases from the previous year (8,050). There was not a high incidence of Rubella reported in 1965 as in the previous year. Measles was more prevalent with 2,793 cases being reported and three deaths recorded attributable to this common childhood ailment. Family contacts of Red Measles below age three years received Gamma Globulin inoculations from the Health Nurse, in an attempt to modify the severity of the attack in the case of direct contacts. The increasing use of Live Measles Vaccine by the medical profession is having a beneficial effect in sparing many children the danger of an attack of this disease. Measles, although often lightly regarded by the general public, has a serious complication, encephalitis, which may leave a child with extensive brain damage. Every effort should be made by parents to have all young children immunized against this condition by their family doctor when they attain the age of one year.

There were two cases of Diphtheria recorded during the year, one in a boy in the age group 5-14 years and the other in a middle-aged women. There were three Diphtheria carriers identified. There were no deaths from this relatively uncommon condition.

The incidence of Infectious Hepatitis reported during the year numbered 150 cases with one death. The number of cases of this disease was higher than recorded in 1964 (118 cases). For every frank case of this disease diagnosed, there are probably five subclinical cases that go unrecognized and act as a reservoir of infection within the community. Attention to personal hygiene and sanitary practices both in the home and at work offer the best protection against this diabolical condition. Gamma Globulin inoculations were given to all family contacts by the Public Health Nurse in an effort to halt the spread within the family. Reporting of this disease is believed to be fairly accurate, as unless reported to the





Department Gamma Globulin is not available for family contacts.

There were 25 cases of Pulmonary Tuberculosis and eight cases of Non-Pulmonary Tuberculosis admitted for treatment to the Sanatorium from City residents during the year. Pulmonary Tuberculosis with a rate of 8.03 cases per 100,000 is the lowest ever recorded. Although no longer the scourge of former years, it is by no means a disease of the past. Its incidence is higher in males than females in a ratio of two to one. Much time and effort is spent by the nursing staff in the follow-up of ex-patients to keep their regular follow-up x-ray appointments. Any patients who have been under treatment for Tuberculosis should be resigned and happy to accept a yearly chest x-ray both for their own safety and that of their immediate family. It is a well accepted fact that 10% of "cured" cases of Tuberculosis break down in subsequent years. Surely this is sufficient reason to take the time to have a yearly chest x-ray at the City Hall X-Ray Unit, especially as the facilities are available on a daily basis the year round and provided free of charge by the Alberta Tuberculosis Association. Much has been written about a broadening of the base of health services. The provision of a free chest x-ray by the Alberta Tuberculosis Association at no cost has long been provided for the common good. It is a great pity that so large a segment of the general public and the industrial and commercial firms do not make use of the diagnostic services provided. Far too few of the general public and industrial firms will take the time to have an x-ray of the thorax as a measure to safeguard themselves against diseases of the chest. Parents readily consent to having their children receive a Tuberculin test in the grades covered in the schools, yet only about 3.5% of the adult population make use of the chest x-ray facilities in a single year.

Cases of Aseptic Meningitis numbered 12.

There were no cases of Poliomyelitis reported. It is now ten years since the mass field trial of the Salk Polio Vaccine was announced to the world. A vigorous programme of immunization against Poliomyelitis was adopted in this City in 1955 and in subsequent years. Through the widespread use of protective vaccines administered to the present generation it is most encouraging to report that this condition is largely a disease of the past.

The incidence of Venereal diseases reported remained remarkably steady with a total of 662 cases being recorded. This was an increase of only two cases from the previous year. However, the incidence of the more serious disease Syphilis showed a three-fold increase over the year 1964 with 40 cases reported. 18 cases of primary Syphilis occurred in males, whereas the total cases of secondary Syphilis numbered 18, with 11 cases diagnosed in females. Venereal diseases are much more readily apparent in the male and consequently present for treatment earlier than in the female.

Confirmed cases of Gonorrhoea during 1965, as reported by the Provincial Division of Venereal Disease Control, numbered 662 for a rate of 213 per 100,000 of population. This represents an increase of but two cases over the previous year. The rate of Gonorrhoea was recorded as 223 per 100,000 in 1964. The rate figure recorded in the present year represents a





slight decrease in incidence of this disease in the current year.

Cases of all forms of Syphilis numbered 40 (13 cases in 1964) for a rate of 12.8 per 100,000, a decided increase from the rate of 4.4 per 100,000 recorded in 1964. Primary and secondary cases of this disease, each numbering 18 cases, reflect the upward trend in this disease being reported throughout the world in the last several years. Although this trend had not been previously noted in Calgary, the case incidence in 1965 falls into line with the upward trend in other major centres. Syphilis in an infectious form is a serious disease and every effort is made to locate and examine relevant contacts. The anatomical differences between the sexes result in the earlier discovery and diagnosis of the primary lesions of Syphilis in the male (18 cases), whereas in the female, advancement of the condition with its more general signs of rash and enlargement of the lymphatic glands of the secondary stage facilitates later diagnosis in the female (11 cases). The Provincial Government maintains a walk-in Social Hygiene diagnostic and treatment centre in the City. All cases of Venereal disease receive free treatment. There is no excuse for anyone neglecting to have a sore or a discharge in the region of the genital organs checked and investigated without delay.

The increasing number of chemical substances used as medicaments, household cleaners, pesticide products and solvents kept in homes today account to a large extent for the cases of accidental poisonings that occur in homes, especially homes with a number of young children. Accidental poisonings continue to increase and account for a lot of emergency cases being admitted to hospitals. From the report of the Provincial Poison Control Services there were 3,632 incidents of poisoning in the Province in 1965 and 90 deaths. Both the Calgary General Hospital and the Holy Cross Hospital run emergency poison control centres from which doctors may obtain information about the multiplicity of organic and inorganic substances having poisonous properties when taken internally. Every year new complex organic products are manufactured which have an application in the day-to-day work of housekeeping within the home, but add extra hazards to the life and safety of young inquisitive children. There were 1,321 poisoning incidents in Calgary during 1965 with ten deaths ascribed to poisoning of an accidental nature. By far the highest incidence of accidental poisoning incidents occur in the age group 0-4 years resulting from young children having access to drugs and household chemicals which are improperly stored and left within the reach of young children. Poisoning is a problem of exposure and often happens when dangerous chemicals and poisons are kept in unmarked bottles or dishes, when medicines such as aspirin or tranquilizers are left lying around. Every accidental poisoning incident is an indictment of the parental supervision provided in the home. A safe home is the first step in prevention of such accidents. Educating children in safety depends to a great extent on the way the parents behave. Parental supervision means never letting down your guard when cooking, answering the telephone or when visiting or being visited. Because there are more hazardous substances in common use within the four walls of the home today, parents have to be aware of this fact and be prepared to exercise great supervision and vigilance over young children if tragedy is to be seriously averted. It should be noted that on an average three to four cases daily of accidental poisoning are seen in the Calgary Hospitals the year round.





REPORT OF THE PROVINCIAL POISON CONTROL SERVICES FOR 1965

Accidental Poisonings in the Province of Alberta in 1965

Categories	0 - 4 yrs.		5 - 14 yrs.		15-24 yrs.		25-44 yrs.		45 yrs. and over		Total	
	Cases	D.	Cases	D.	Cases	D.	Cases	D.	Cases	D.	Cases	D.
A. Drugs & Med. for Ext. Use	138	-	7	-	9	-	4	-	5	-	163	-
B. Drugs & Med. for Int. Use	1,550	1	80	-	261	2	259	6	89	15	2,239	24
C. Household Chemicals	544	-	22	-	8	-	10	-	11	-	595	-
D. Industry, Auto & Fuel	119	3	30	-	40	6	65	24	42	24	296	57
E. Poisonous Plants & Venomous Animals	19	-	7	-	1	-	1	-	1	-	29	-
F. Pesticides	131	-	25	-	6	1	6	1	17	3	185	5
G. Tobacco & Alcohol	13	-	7	-	6	-	10	3	-	-	36	3
H. Miscellaneous	57	-	7	-	9	-	11	1	5	-	89	1
Totals	2,571	4	185	-	340	9	366	35	170	42	3,632	90

Accidental Poisonings in Calgary - 1965

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Calgary General Hospital	74	72	62	57	66	54	80	68	70	78	87	65	833
Holy Cross Hospital	46	21	52	24	49	45	41	53	38	36	43	40	488
Totals	120	93	114	81	115	99	121	121	108	114	130	105	1,321

REPORT OF THE BOARD OF HEALTH FOR THE YEAR 1902

San Francisco, California, January 1, 1903

DISEASE	1902		1901		1900		1899		1898		1897		1896		1895		1894		1893		1892		1891		1890		1889		1888		1887		1886		1885		1884		1883		1882		1881		1880		1879		1878		1877		1876		1875		1874		1873		1872		1871		1870		1869		1868		1867		1866		1865		1864		1863		1862		1861		1860		1859		1858		1857		1856		1855		1854		1853		1852		1851		1850		1849		1848		1847		1846		1845		1844		1843		1842		1841		1840		1839		1838		1837		1836		1835		1834		1833		1832		1831		1830		1829		1828		1827		1826		1825		1824		1823		1822		1821		1820		1819		1818		1817		1816		1815		1814		1813		1812		1811		1810		1809		1808		1807		1806		1805		1804		1803		1802		1801		1800		1799		1798		1797		1796		1795		1794		1793		1792		1791		1790		1789		1788		1787		1786		1785		1784		1783		1782		1781		1780		1779		1778		1777		1776		1775		1774		1773		1772		1771		1770		1769		1768		1767		1766		1765		1764		1763		1762		1761		1760		1759		1758		1757		1756		1755		1754		1753		1752		1751		1750		1749		1748		1747		1746		1745		1744		1743		1742		1741		1740		1739		1738		1737		1736		1735		1734		1733		1732		1731		1730		1729		1728		1727		1726		1725		1724		1723		1722		1721		1720		1719		1718		1717		1716		1715		1714		1713		1712		1711		1710		1709		1708		1707		1706		1705		1704		1703		1702		1701		1700		1699		1698		1697		1696		1695		1694		1693		1692		1691		1690		1689		1688		1687		1686		1685		1684		1683		1682		1681		1680		1679		1678		1677		1676		1675		1674		1673		1672		1671		1670		1669		1668		1667		1666		1665		1664		1663		1662		1661		1660		1659		1658		1657		1656		1655		1654		1653		1652		1651		1650		1649		1648		1647		1646		1645		1644		1643		1642		1641		1640		1639		1638		1637		1636		1635		1634		1633		1632		1631		1630		1629		1628		1627		1626		1625		1624		1623		1622		1621		1620		1619		1618		1617		1616		1615		1614		1613		1612		1611		1610		1609		1608		1607		1606		1605		1604		1603		1602		1601		1600		1599		1598		1597		1596		1595		1594		1593		1592		1591		1590		1589		1588		1587		1586		1585		1584		1583		1582		1581		1580		1579		1578		1577		1576		1575		1574		1573		1572		1571		1570		1569		1568		1567		1566		1565		1564		1563		1562		1561		1560		1559		1558		1557		1556		1555		1554		1553		1552		1551		1550		1549		1548		1547		1546		1545		1544		1543		1542		1541		1540		1539		1538		1537		1536		1535		1534		1533		1532		1531		1530		1529		1528		1527		1526		1525		1524		1523		1522		1521		1520		1519		1518		1517		1516		1515		1514		1513		1512		1511		1510		1509		1508		1507		1506		1505		1504		1503		1502		1501		1500		1499		1498		1497		1496		1495		1494		1493		1492		1491		1490		1489		1488		1487		1486		1485		1484		1483		1482		1481		1480		1479		1478		1477		1476		1475		1474		1473		1472		1471		1470		1469		1468		1467		1466		1465		1464		1463		1462		1461		1460		1459		1458		1457		1456		1455		1454		1453		1452		1451		1450		1449		1448		1447		1446		1445		1444		1443		1442		1441		1440		1439		1438		1437		1436		1435		1434		1433		1432		1431		1430		1429		1428		1427		1426		1425		1424		1423		1422		1421		1420		1419		1418		1417		1416		1415		1414		1413		1412		1411		1410		1409		1408		1407		1406		1405		1404		1403		1402		1401		1400		1399		1398		1397		1396		1395		1394		1393		1392		1391		1390		1389		1388		1387		1386		1385		1384		1383		1382		1381		1380		1379		1378		1377		1376		1375		1374		1373		1372		1371		1370		1369		1368		1367		1366		1365		1364		1363		1362		1361		1360		1359		1358		1357		1356		1355		1354		1353		1352		1351		1350		1349		1348		1347		1346		1345		1344		1343		1342		1341		1340		1339		1338		1337		1336		1335		1334		1333		1332		1331		1330		1329		1328		1327		1326		1325		1324		1323		1322		1321		1320		1319		1318		1317		1316		1315		1314		1313		1312		1311		1310		1309		1308		1307		1306		1305		1304		1303		1302		1301		1300		1299		1298		1297		1296		1295		1294		1293		1292		1291		1290		1289		1288		1287		1286		1285		1284		1283		1282		1281		1280		1279		1278		1277		1276		1275		1274		1273		1272		1271		1270		1269		1268		1267		1266		1265		1264		1263		1262		1261		1260		1259		1258		1257		1256		1255		1254		1253		1252		1251		1250		1249		1248		1247		1246		1245		1244		1243		1242		1241		1240		1239		1238		1237		1236		1235		1234		1233		1232		1231		1230		1229		1228		1227		1226		1225		1224		1223		1222		1221		1220		1219		1218		1217		1216		1215		1214		1213		1212		1211		1210		1209		1208		1207		1206		1205		1204		1203		1202		1201		1200		1199		1198		1197		1196		1195		1194		1193		1192		1191		1190		1189		1188		1187		1186		1185		1184		1183		1182		1181		1180		1179		1178		1177		1176		1175		1174		1173		1172		1171		1170		1169		1168		1167		1166		1165		1164		1163		1162		1161		1160		1159		1158		1157		1156		1155		1154		1153		1152		1151		1150		1149		1148		1147		1146		1145		1144		1143		1142		1141		1140		1139		1138		1137		1136		1135		1134		1133		1132		1131		1130		1129		1128		1127		1126		1125		1124		1123		1122		1121		1120		1119		1118		1117		1116		1115		1114		1113		1112		1111		1110		1109		1108		1107		1106		1105		1104		1103		1102		1101		1100		1099		1098		1097		1096		1095		1094		1093		1092		1091		1090		1089		1088		1087		1086		1085		1084		1083		1082		1081		1080		1079		1078		1077		1076		1075		1074		1073		1072		1071		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DEATHS FROM ACCIDENTAL POISONING IN CALGARY - 1965

	0-14 yrs.		15-24 yrs.		25-44 yrs.		45 yrs. & Up		Total
	M.	F.	M.	F.	M.	F.	M.	F.	
A. Drugs & Medicines for Internal Use (barbiturates, meprobamate, teophylline)		1				2			3
B. Drugs for Internal Use (codeine and teophylline) + alcohol							2		2
C. Car Exhaust Fumes (carbon monoxide poisoning)					1		3		4
D. Methyl Alcohol Ingestion					1				1
Total		1			2	2	5		10

DEATHS FROM INTENTIONAL POISONING (SUICIDE) IN CALGARY - 1965

	0-24 yrs.		25-44 yrs.		45-64 yrs.		65 yrs. & Up		Total
	M.	F.	M.	F.	M.	F.	M.	F.	
A. Drugs & Medicines for Internal Use (barbiturates)				1					1
B. Household Chemicals (mouse poison - strychnine)			1						1
C. Natural Gas						1			1
D. Car Exhaust Fumes (Carbon monoxide poisoning)			5	2	4				11
Total			6	3	4	1			14

There were 21 other suicides caused by gunshot wounds, drowning, hanging, jumping, etc.



# STATE OF NEW YORK

District	1911				1912				Total
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
1. District of Columbia									
2. District of Columbia									
3. District of Columbia									
4. District of Columbia									
5. District of Columbia									
Total	1	1	1	1	1	1	1	1	4

# STATE OF NEW YORK

District	1911				1912				Total
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	
1. District of Columbia									
2. District of Columbia									
3. District of Columbia									
4. District of Columbia									
5. District of Columbia									
Total	1	1	1	1	1	1	1	1	5

There were 11 other districts created by special act, 1911.

The bottle-type refrigerated water cooler, from which City water adjusted to 1.00 p.p.m. of fluoride is dispensed, has now been in service in the Department for well over 18 months. It is interesting to note that during this time not one observation about fluoride altering the taste or appearance of the water has been registered by anyone who has sampled the water. This drinking fountain is very well patronized. It offers positive proof to every one in Calgary that the addition of fluoride ion to 1.00 p.p.m. in no way alters the taste or appearance of drinking water.

A great deal of time and effort has been expended by Inspectors in compiling a register of all commercial enterprises and apartment buildings in the City utilizing incinerators as a means of disposing of any forms of waste materials occurring on their premises. With the coming into force of the Air Pollution Regulations in 1966 all commercial-type incinerators must receive a compliance certificate issued by the Provincial Board of Health. All single-chambered boiler-type incinerators will be eliminated.

From the monthly readings obtained from the automatic smoke recording machines supplied by the Provincial Health Department, it has been noted that the average of smoke pollution readings showed a slight upward trend over the previous year. On many days during the winter months a decided smoke pall may be observed hanging over that part of the City situated in the valley of the Bow River. Although this smoke pall cannot be coupled with any form of physical discomfort, it is significant to note that it is most pronounced during the period prior to a "chinook". The south-easterly wind flow coupled with the warm air mass traps the smoke resulting from City activities and prevents its normal dispersion by the westerly wind flow. Only when the "chinook" actually breaks through is the smoke haze adequately dispersed by the strong westerly wind currents. Similar climatic influences to those believed responsible for the air pollution problems affecting Los Angeles occur in the Calgary area. Now is the time to institute controls on all sources of smoke pollution occurring within the City to prevent future problems.

Acting on information received from the United States, plastic novelty drink coolers and teething rings containing water were analyzed both by the Department Laboratory and the Provincial Laboratory of Public Health. These novelties originated in Hong Kong and had been filled with fresh water from a most doubtful source insofar as its purity was concerned. From the samples analyzed many contained vast numbers of organisms of the pseudomonas group together with vegetable debris. As these varied novelties presented a potential danger to health should they be defective or be punctured and the contents expelled, it was decided to have them withdrawn from further sale to the public. Excellent co-operation was received from all store owners and managers in this move and no incident of sickness directly attributable to use of these novelties was recorded.

During the year the Department provided field work experience for Dental Auxiliaries and again provided opportunity for Nurses in training in the General Hospitals to receive a period of observation and instruction with the Public Health Nursing staff.





The Department would again wish to pay tribute to the volunteer ladies who give of their time to assist the Nurses in the Well Baby Clinics and act as recorders.

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  
of 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 Association,  
Provincial Cancer Clinic,  
Provincial Guidance Clinic,  
Provincial Social Hygiene Clinic,  
Victorian Order of Nurses,  
Metropolitan Life Assurance Company,  
Provincial Department of Health,  
The Director and Staff of the Provincial Laboratory of  
Public Health, Southern Branch,  
Calgary General Hospital and Holy Cross Hospital Staffs,  
The Calgary Press, Radio and Television Stations and to the  
many volunteer workers in the City.

In closing this report, a word of thanks must go to all the members of the staff of this Department because without their loyalty, co-operation and the hard endeavour with which their duties have been carried out, the Medical Officer of Health would have no accomplishments to report.

Respectfully submitted,

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



COMMUNICABLE DISEASES REPORTED IN 1965

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Aseptic Meningitis	2							1	6	3			12
Bacillary Dysentery		2					1	1			1		5
Diphtheria											2		2
Diphtheria Carrier											2	1	3
Equine Encephalitis									1				1
Infectious Hepatitis	13	20	21	21	11	7	3	14	5	13	9	13	150
Measles	300	423	751	448	283	189	43	11	50	115	87	93	2,793
Pertussis	10	4		1	5	1	1	21	6	10	4	5	68
Rubella	117	136	78	71	71	58	3	5	8	17	46	46	656
Salmonella Infection	1		5	2	8		3	3	3	2	4	18	49
Scarlet Fever & Streptococcal Sore Throat	26	24	18	5	16	5	1	2	6	28	27	15	173
Tuberculosis, Pulmonary	1	2	1	5	3	4	1	1	1	1	2	3	25
Tuberculosis, Non-Pulmonary		2	1		2			1	2				8
Totals	470	613	875	553	399	264	56	60	88	189	184	194	3,945

COMMUNICABLE DISEASES, NOT NOTIFIABLE IN THE PROVINCE OF ALBERTA,  
REPORTED BY PUBLIC HEALTH NURSES IN CALGARY SCHOOLS DURING 1965

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Chickenpox	116	62	70	38	60	35	12	22	33	70	165	111	794
Mumps	296	262	258	124	77	58	11	13	33	39	84	63	1,318
Totals	412	322	328	162	137	93	23	35	66	109	249	174	2,112



TABLE 1. SUMMARY OF DATA FOR 1961

Area	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Alaska	10	15	20	25	30	35	40	45	50	55	60	65	480
British Columbia	12	18	22	28	32	38	42	48	52	58	62	68	510
Canada	15	20	25	30	35	40	45	50	55	60	65	70	580
Greenland	8	10	12	15	18	20	22	25	28	30	32	35	250
Iceland	5	7	8	10	12	15	18	20	22	25	28	30	180
Norway	10	12	15	18	20	22	25	28	30	32	35	38	280
Sweden	12	15	18	20	22	25	28	30	32	35	38	40	300
Switzerland	15	18	20	22	25	28	30	32	35	38	40	42	320
United Kingdom	18	20	22	25	28	30	32	35	38	40	42	45	350
United States	20	22	25	28	30	32	35	38	40	42	45	48	380
West Germany	15	18	20	22	25	28	30	32	35	38	40	42	300
Yugoslavia	10	12	15	18	20	22	25	28	30	32	35	38	250
<b>Total</b>	<b>100</b>	<b>120</b>	<b>140</b>	<b>160</b>	<b>180</b>	<b>200</b>	<b>220</b>	<b>240</b>	<b>260</b>	<b>280</b>	<b>300</b>	<b>320</b>	<b>2,110</b>

NOTE: The figures in this table are based on the data for 1961 as reported by the various countries. The figures are in thousands of metric tons.

Area	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Alaska	10	15	20	25	30	35	40	45	50	55	60	65	480
British Columbia	12	18	22	28	32	38	42	48	52	58	62	68	510
Canada	15	20	25	30	35	40	45	50	55	60	65	70	580
Greenland	8	10	12	15	18	20	22	25	28	30	32	35	250
Iceland	5	7	8	10	12	15	18	20	22	25	28	30	180
Norway	10	12	15	18	20	22	25	28	30	32	35	38	280
Sweden	12	15	18	20	22	25	28	30	32	35	38	40	300
Switzerland	15	18	20	22	25	28	30	32	35	38	40	42	320
United Kingdom	18	20	22	25	28	30	32	35	38	40	42	45	350
United States	20	22	25	28	30	32	35	38	40	42	45	48	380
West Germany	15	18	20	22	25	28	30	32	35	38	40	42	300
Yugoslavia	10	12	15	18	20	22	25	28	30	32	35	38	250
<b>Total</b>	<b>100</b>	<b>120</b>	<b>140</b>	<b>160</b>	<b>180</b>	<b>200</b>	<b>220</b>	<b>240</b>	<b>260</b>	<b>280</b>	<b>300</b>	<b>320</b>	<b>2,110</b>

VENEREAL DISEASE REPORT - 1965

	Gonorrhoea All Forms		Syphilis Congenital		Syphilis Acquired Primary		Syphilis Acquired Secondary		Syphilis Acquired Latent		Syphilis Acquired Tertiary		Syphilis Type Undetermined	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
January	40	6												
February	39	6												
March	58	8			1									
April	36	6												
May	45	9			2		1	1						
June	57	10			3									
July	54	7			3									
August	56	10			3			1						
September	38	5			2		2	1						
October	48	2					1	1	1					
November	68	7			3		2	4		1				
December	44	3			1		1	3	1	1				
Total	583	79			18		7	11	2	2				
Male + Female	662				18		18		4					





LIVE BIRTHS 1961 -1965

Out of 7,895 live-born babies registered in 1965, 659 were premature (the weight recorded as 5½ lbs. or less) - this represents 8.3% of all births

Year	Population	Births Incl. Non-Residents	Rate per 1,000 Population	Births-Res. Only	Rate per 1,000 Population
1965	311,116	7,895	25.4	7,235	23.2
1964	294,924	8,545	29.0	7,688	26.1
1963	276,975	9,084	32.8	8,032	29.0
1962	269,068	9,006	33.5	7,932	29.5
1961	241,675	9,047	37.4	7,388	30.6

STILLBIRTHS 1961 -1965

Year	No. of stillbirths Incl. Non-Residents	Rate per 1,000 Live Births Gross	Stillbirths Residents Only	Rate per 1,000 Live Births Net
1965	93	11.8	79	10.9
1964	107	12.5	96	12.5
1963	96	10.6	83	10.3
1962	92	10.2	79	9.9
1961	89	9.8	66	8.9

MARRIAGES

Number performed in 1965 in the City of Calgary was 2,673. Rate per 1,000 population - 8.6

DEATHS AND MORTALITY RATE (EXCLUSIVE STILLBIRTHS) 1961 - 1965

From all causes a total of 2,252 deaths were reported, being a rate of 7.2 per 1,000 population, including 270 deaths of non-residents

Year	No. of Deaths Incl. Non-Residents	Rate per 1,000 Population	No. of Deaths Residents Only	Rate per 1,000 Population
1965	2,252	7.2	1,982	6.4
1964	2,267	7.7	1,953	6.6
1963	2,072	7.5	1,780	6.4
1962	2,084	7.7	1,752	6.5
1961	1,921	7.9	1,580	6.5



CHIEF CAUSES OF DEATHS, 1963, 1964 & 1965  
(TOTAL NUMBER INCLUDING NON-RESIDENTS)

Causes of Death	Number of Deaths			Rate per 100,000		
	1965	1964	1963	1965	1964	1963
Diseases of the heart, arteries and kidneys, including apoplexy	882	869	814	283.5	294.6	293.9
Neoplasm - all forms	461	465	433	148.2	157.7	156.3
Violent and accidental deaths	170	170	122	54.6	57.6	44.0
Pneumonia, bronchitis and influenza	126	128	103	40.5	43.4	37.2
Certain Diseases of early infancy	98	133	115	31.5	45.1	41.5
Congenital malformations	47	40	40	15.1	13.6	14.4
Diabetes Mellitus	32	28	13	10.3	9.5	4.7
Communicable diseases (other than TB, pneumonia and influenza)	12	4	1	3.8	1.4	0.3
* Tuberculosis - all forms	7	14	15	2.2	4.7	5.4
All other Causes	419	427	427	134.7	144.8	154.2
* Totals	2,254	2,278	2,083			

\* These numbers include deaths of Calgary residents in TB Sanatoria outside City limits.

INFANT DEATHS AND MORTALITY RATE 1961 - 1965  
FIRST YEAR OF LIFE ONLY

	1965	1964	1963	1962	1961
Number of Infant Deaths	170	201	187	198	223
Rate per 1,000 Live Births	21.5	23.5	20.6	22.0	24.6
<p>Number of deaths of non-residents included in the above: 1965 - 15; 1964 - 21; 1963 - 31; 1962 - 37; 1961 - 51.</p>					



TABLE 1. SUMMARY OF DATA FOR 1961-1962  
(Values are in thousands of dollars)

Category of Goods	Number of Months		Value of Goods		Percentage of Total	
	1961	1962	1961	1962	1961	1962
Food and kindred lines	100	100	100.0	100.0	100.0	100.0
Apparel - all lines	100	100	100.0	100.0	100.0	100.0
Household and personal durables	100	100	100.0	100.0	100.0	100.0
Household and personal nondurables	100	100	100.0	100.0	100.0	100.0
Transportation and communication	100	100	100.0	100.0	100.0	100.0
Recreation, education, and health	100	100	100.0	100.0	100.0	100.0
Government	100	100	100.0	100.0	100.0	100.0
Exports	100	100	100.0	100.0	100.0	100.0
Imports	100	100	100.0	100.0	100.0	100.0
Total	100	100	100.0	100.0	100.0	100.0

1. These figures are based on data for the year 1961-1962.  
2. These figures are based on data for the year 1961-1962.

TABLE 2. SUMMARY OF DATA FOR 1961-1962  
(Values are in thousands of dollars)

Category of Goods	Number of Months		Value of Goods		Percentage of Total	
	1961	1962	1961	1962	1961	1962
Food and kindred lines	100	100	100.0	100.0	100.0	100.0
Apparel - all lines	100	100	100.0	100.0	100.0	100.0
Household and personal durables	100	100	100.0	100.0	100.0	100.0
Household and personal nondurables	100	100	100.0	100.0	100.0	100.0
Transportation and communication	100	100	100.0	100.0	100.0	100.0
Recreation, education, and health	100	100	100.0	100.0	100.0	100.0
Government	100	100	100.0	100.0	100.0	100.0
Exports	100	100	100.0	100.0	100.0	100.0
Imports	100	100	100.0	100.0	100.0	100.0
Total	100	100	100.0	100.0	100.0	100.0

INFANT MORTALITY BY CAUSES OF DEATHS - 1961-1965

Of the 170 infant deaths registered in 1965, 71 occurred within the first twenty-four hours of life, 47 deaths occurred after twenty-four hours but within the first week of life, and 12 deaths occurred after one week of life but within the first month of life; combined they represent 76.5% of the total infant deaths.

Causes of Deaths	1965	1964	1963	1962	1961
Immaturity and ill-defined diseases of early infancy	71	94	71	70	73
Congenital Malformations	37	27	31	42	42
Postnatal asphyxia and Atelectasis	11	22	23	26	17
Pneumonia and Other Infections	11	17	13	16	19
Haemolytic Disease of the Newborn	3	2	6	3	7
Injuries at Birth	3	4	5	1	14
Accidents	5	2	1	2	1
All Other Causes	29	33	37	38	50
Total	170	201	187	198	223

MATERNAL MORTALITY (INCLUDING NON-RESIDENTS)

1961 - 1965

One maternal death occurred in Calgary as a result of severe kidney damage due to toxæmia of pregnancy. There were no deaths of mothers due to puerperal causes in 1965.

Year	Live Births	Number of Maternal Deaths		Rate per 1,000 Live Births
		Resident	Non-Resident	
1965	7,895	1	-	0.13
1964	8,545	-	1	0.12
1963	9,084	1	-	0.11
1962	9,006	-	1	0.11
1961	9,047	1	-	0.11





CAUSES OF MATERNAL DEATHS - 1965

Causes of Death	Number Including Non-Residents	Residents Only
Abortions (Septic and Non-Septic)	-	-
Toxaemias of Pregnancy	1	1
Accidents of Labour and Delivery	-	-
Puerperal Sepsis	-	-
Puerperal Toxaemias	-	-
Other Puerperal Causes	-	-

REPORTED CASES AND DEATHS FROM COMMUNICABLE DISEASES (RESIDENTS ONLY) - 1965

Disease	Cases		0 - 4 yrs.		5 - 14 yrs.		15 yrs. & Up		Total	
	M	F	Cases	Dths.	Cases	Dths.	Cases	Dths.	Cases	Dths.
Aseptic Meningitis	8	4	-	-	8	-	4	-	12	-
Bacillary Dysentery	-	5	1	-	4	-	-	-	5	-
Diphtheria	1	1	-	-	1	-	1	-	2	-
Diphtheria Carrier	2	1	-	-	3	-	-	-	3	-
Equine Encephalitis	-	1	-	-	-	-	1	-	1	-
Infectious Hepatitis	71	79	3	-	53	-	94	1	150	1
Measles	1408	1385	653	2	2115	1	25	-	2793	3
Pertussis	36	32	27	-	39	-	2	-	68	-
Rubella	298	358	81	-	534	-	41	-	656	-
Salmonella Infection	29	20	20	-	8	-	21	1	49	1
Scarlet Fever & Strep Throat	69	104	26	-	131	-	16	-	173	-
Tuberculosis, Pulmonary	16	9	2	-	1	-	22	4	25	4
Tuberculosis, Non-Pulmonary	2	6	-	-	1	-	7	1	8	1
Totals	1940	2005	813	2	2898	1	235	7	3945	10

OTHER REPORTED CASES OF DEATHS CLASSIFIED AS INFECTIVE

Meningococcal Infection	-	1	-	-	-	1
Acute Fulminating Bacteraemia and Toxaemia	-	-	-	1	-	1
Septicaemia and Pyaemia	-	1	-	2	-	3
Acute Infectious Encephalitis	-	-	-	1	-	1
Late Effects of Acute Poliomyelitis	-	-	-	1	-	1





**COMMUNICABLE DISEASES  
NOT NOTIFIABLE IN THE PROVINCE OF ALBERTA**

	<u>Cases</u>	<u>Deaths</u>
Mumps (all age groups)	1,318	-
Chickenpox (all age groups)	794	-

**REPORTED CASES AND DEATHS FROM TUBERCULOSIS 1961 - 1965**

Year	New Active Cases	Number Died In Calgary	Number Died In Sanatoria	Total Deaths	Rate per 100,000 Population
1965	33	5	2	7	2.2
1964	46	3	11	14	4.7
1963	41	4	11	15	5.4
1962	46	1	6	7	2.6
1961	45	2	8	10	4.1

**REPORTED CASES AND DEATHS FROM CHICKENPOX, DIPHTHERIA,  
INFECTIOUS HEPATITIS, MEASLES, MENINGOCOCCAL MENINGITIS,  
PERTUSSIS, SALMONELLA INFECTION, ETC. 1963 - 1965**

Communicable Disease	Cases			Deaths			Mortality Rate per 100,000 Population		
	1963	1964	1965	1963	1964	1965	1963	1964	1965
Chickenpox	1,060	1,195	794	-	2	-	-	0.68	-
Diphtheria	-	-	2	-	-	-	-	-	-
Infectious Hepatitis	169	118	150	1	1	1	.36	.34	.32
Measles	1,960	1,041	2,793	-	-	3	-	-	1.0
Meningococcal Meningitis	2	1	1	-	1	1	-	.34	.32
Pertussis	444	136	68	-	-	-	-	-	-
Salmonella Infection	23	7	49	-	-	1	-	-	.32





CAUSES OF DEATH BY AGE AND SEX (GROSS) 1965

	Male	Female	Under 1 yr.	1-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & Up	Totals
1. Infective and parasitic diseases	11	6	-	2	3	-	2	5	5	17
2. Neoplasms - all forms	265	196	1	5	5	7	32	145	266	461
3. Allergic, endocrine system, metabolic and nutritional diseases, diseases of the blood and blood-forming organs	35	15	2	-	-	3	7	9	29	50
4. Mental, psychoneurotic and personality disorders	2	2					1	2	1	4
5. Diseases of the nervous system and sense organs	143	132	2	4	1	3	9	36	220	275
6. Diseases of the circulatory system	361	239	-	1	-	4	19	106	470	600
7. Diseases of the respiratory system	105	59	6	2	-	-	5	28	123	164
8. Diseases of the digestive system	64	46	2	1	1	2	8	28	68	110
9. Diseases of the genito-urinary system	28	15	2	-	-	1	4	6	30	43
10. Deliveries and complications of pregnancies, childbirth and puerperium	-	1	-	-	-	1	-	-	-	1
11. Diseases of the skin and cellular tissue; diseases of the bones and organs of movement	5	6	-	-	-	1	-	6	4	11
12. Congenital malformations	22	25	37	3	4	1	-	1	1	47
13. Certain diseases of early infancy	53	45	97	-	-	-	-	1	-	98
14. Symptoms, senility and ill-defined conditions	138	63	16	2	1	-	7	56	119	201
15. Accidents, poisonings and violence	107	63	5	9	6	14	43	37	56	170
Totals	1,339	913	170	29	21	37	137	466	1,392	2,252
Stillbirths	49	44								





CAUSES OF DEATH

Intermediate List of 150 Causes

List No.	Cause of Death	Sex	Total	Residents	Non-Res.	Age at Death						
						Under 1 yr.	1-4	5-14	15-24	25-44	45-64	65 yrs. & over
A 1	Tuberculosis of respiratory system	M F	4	4	-					1	2	1
A 5	Tuberculosis, all other forms	M F	1	1	-							1
A 13	Paratyphoid Fever and other Salmonella Infections	M F	1	1	-						1	
A 20	Septicaemia and Pyaemia	M F	3	2	1			1				2
A 23	Meningococcal Infection	M F	1	1	-			1				
A 29	Acute Infectious Encephalitis	M F	1	1	-						1	
A 30	Late Effects of Acute Poliomyelitis and Acute Infectious Encephalitis	M F	1	1	-					1		
A 32	Measles	M F	1 2	1 2	- -		1 1					
A 32	Infectious Hepatitis	M F	1	1	-							1
A 43	All other diseases classified as infective and parasitic	M F	1	1	-						1	
A 44	Malignant neoplasm of buccal cavity and pharynx	M F	9 3	7 3	2 -						4 2	5 1
A 45	Malignant neoplasm of oesophagus	M F	3	3	-					1	1	1
A 46	Malignant neoplasm of stomach	M F	29 13	23 13	6 -					1 2	11 2	17 9
A 47	Malignant neoplasm of intestine except rectum	M F	19 27	16 24	3 3				1	2	1 4	15 23
A 48	Malignant neoplasm of rectum	M F	12 8	8 8	4 -						5	7 8
A 49	Malignant neoplasm of larynx	M F	3	3	-					1		2
A 50	Malignant neoplasm of trachea, bronchus and lung, not specified as secondary	M F	47 7	41 7	6					1	20 6	26 1
	Carried Forward		197	172	25		2	3	1	10	61	120





List No.	Cause of Death	Sex	Total	Residents	Non-Res.	Age at Death						
						Under 1 yr.	1-4	5-14	15-24	25-44	45-64	65 yrs. & over
	Brought Forward		197	172	25		2	3	1	10	61	120
A 51	Malignant neoplasm of breast	M										
		F	43	41	2					5	22	16
A 52	Malignant neoplasm of cervix uteri	M										
		F	13	13	-					3	4	6
A 53	Malignant neoplasm of other and unspecified parts of uterus	M										
		F	5	5	-						2	3
A 54	Malignant neoplasm of prostate	M	37	32	5						4	33
		F										
A 55	Malignant neoplasm of skin	M	1	1	-							1
		F	4	4	-					1		3
A 56	Malignant neoplasm of bone and connective tissue	M	4	4	-						3	1
		F	2	1	1						2	
A 57	Malignant neoplasm of all other and unspecified sites	M	68	56	12			2	1	7	20	38
		F	45	40	5		2	1	1	2	18	21
A 58	Leukaemia and aleukaemia	M	19	16	3		2	1		1	4	11
		F	8	8			1		1	2	1	3
A 59	Lymphosarcoma and other neo- plasms of lymphatic and haematopoietic system	M	13	9	4				2	1	2	8
		F	17	14	3			1	1	2	6	7
A 60	Benign neoplasms and neo- plasms of unspecified nature	M	1	1	-	1						
		F	1	-	1						1	
A 62	Thyrotoxicosis with or without goiter	M	1	1								1
		F										
A 63	Diabetes mellitus	M	22	20	2				1	5	5	11
		F	10	10					1		2	7
A 64	Avitaminosis and other deficiency states	M										
		F	1	1	-							1
A 65	Anaemias	M	3	3	-							3
		F	1	1	-							1
A 66	Allergic disorders; all other endocrine, metabolic and blood diseases	M	9	8	1	2			1	1	2	3
		F	3	3						1		2
A 67	Psychoses	M										
		F	1	1	-							1
A 68	Psychoneuroses and dis- orders of personality	M	2	2	-						2	
		F	1	1						1		
A 70	Vascular lesions affecting central nervous system	M	135	118	17		1			1	29	104
		F	115	106	9					5	4	106
A 71	Non-meningococcal meningitis	M										
		F	1	1	-	1						
	Carried Forward		783	693	90	4	8	8	10	48	194	511





List No.	Cause of Death	Sex	Total	Residents	Non-Res.	Age at Death						
						Under 1 yr.	1-4	5-14	15-24	25-44	45-64	65 yrs. & over
	Brought Forward		783	693	90	4	8	8	10	48	194	511
A 72	Multiple Sclerosis	M										
		F	3	3	-						2	1
A 73	Epilepsy	M	1	1	-	1						
		F	4	4	-				1	2		1
A 77	Otitis Media and Mastoiditis	M										
		F	1		1		1					
A 78	All other diseases of the nervous system and sense organs	M	7	4	3		2	1	2		1	1
		F	8	8	-					1		7
A 79	Rheumatic Fever	M	4	4	-					1	3	
		F	1		1		1					
A 80	Chronic Rheumatic Heart Disease	M	12	10	2				2	1	6	3
		F	14	9	5				1	2	9	2
A 81	Arteriosclerotic and degenerative heart disease	M	272	250	22					8	65	199
		F	161	148	13					3	8	150
A 82	Other diseases of heart	M	17	14	3						2	15
		F	14	12	2				1		1	12
A 83	Hypertension with heart disease	M	14	12	2						2	12
		F	18	15	3						2	16
A 84	Hypertension without mention of heart	M	7	6	1						2	5
		F	7	7	-							7
A 85	Diseases of Arteries	M	29	21	8					3	5	21
		F	22	20	2						1	21
A 86	Other diseases of circulatory system	M	6	3	3					1		5
		F	2	2	-							2
A 87	Acute upper respiratory infections	M	1	1	-	1						
		F										
A 88	Influenza	M	1	1	-							1
		F	1	1	-							1
A 89	Lobar Pneumonia	M	3	3	-						2	1
		F	2	2	-					1		1
A 90	Bronchopneumonia	M	41	36	5	1	1			1	4	34
		F	29	28	1	1					1	27
A 91	Primary atypical, other, and unspecified Pneumonia	M	21	19	2	1					5	15
		F	13	12	1	1					1	11
A 92	Acute Bronchitis	M	3	3	-					1	1	1
		F	2	2	-	1	1					
	Carried Forward		1524	1354	170	11	14	9	17	73	317	1083





List No.	Cause of Death	Sex	Total	Residents	Non-Res.	Age at Death						
						Under 1 yr.	1-4	5-14	15-24	25-44	45-64	65 yrs. & over
	Brought Forward		1524	1354	170	11	14	9	17	73	317	1083
A 93	Bronchitis, Chronic and un-qualified	M	16	14	2					1	5	10
		F	4	3	1						1	3
A 95	Empyema and abscess of lung	M	2	1	1					1		1
		F										
A 97	All other respiratory diseases	M	17	15	2						2	15
		F	8	8	-						6	2
A 99	Ulcer of stomach	M	6	5	1						2	4
		F	5	4	1					1	1	3
A 100	Ulcer of duodenum	M	10	8	2					2	1	7
		F	3	3	-							3
A 101	Gastritis and duodenitis	M	2	2	-							2
		F	1		1		1					
A 102	Appendicitis	M	2	2	-						1	1
		F	1	1	-				1			
A 103	Intestinal obstruction and hernia	M	11	5	6	2		1			1	7
		F	11	11	-						4	7
A 104	Gastro-enteritis and colitis, except diarrhoea of the newborn	M	5	4	1					2		3
		F	4	4					1			3
A 105	Cirrhosis of liver	M	12	11	1						8	4
		F	10	10						1	4	5
A 106	Cholecystitis and cholelithiasis	M	5	2	3					1	2	2
		F	4	3	1						1	3
A 107	All other diseases of the digestive system	M	11	7	4						2	9
		F	7	6	1					1	1	5
A 108	Acute Nephritis	M	1	1	-	1						
		F	2	2	-					1		1
A 109	Chronic, other, and unspecified Nephritis	M	9	8	1					2		7
		F	7	6	1	1			1	1	1	3
A 110	Infections of kidney	M	7	7	-						3	4
		F	4	3	1						1	3
A 111	Calculi of urinary system	M	2	2	-							2
		F										
A 112	Hyperplasia of prostate	M	6	2	4							6
		F										
A 114	Other diseases of genito-urinary system	M	3	1	2							3
		F	2	2	-						1	1
	Carried Forward		1724	1517	207	15	15	10	20	87	365	1212

Year	Group of Books	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010	2020	2030	2040	2050	2060	2070	2080	2090	2100	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	2210	2220	2230	2240	2250	2260	2270	2280	2290	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	2510	2520	2530	2540	2550	2560	2570	2580	2590	2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	2710	2720	2730	2740	2750	2760	2770	2780	2790	2800	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	2910	2920	2930	2940	2950	2960	2970	2980	2990	3000	3010	3020	3030	3040	3050	3060	3070	3080	3090	3100	3110	3120	3130	3140	3150	3160	3170	3180	3190	3200	3210	3220	3230	3240	3250	3260	3270	3280	3290	3300	3310	3320	3330	3340	3350	3360	3370	3380	3390	3400	3410	3420	3430	3440	3450	3460	3470	3480	3490	3500	3510	3520	3530	3540	3550	3560	3570	3580	3590	3600	3610	3620	3630	3640	3650	3660	3670	3680	3690	3700	3710	3720	3730	3740	3750	3760	3770	3780	3790	3800	3810	3820	3830	3840	3850	3860	3870	3880	3890	3900	3910	3920	3930	3940	3950	3960	3970	3980	3990	4000	4010	4020	4030	4040	4050	4060	4070	4080	4090	4100	4110	4120	4130	4140	4150	4160	4170	4180	4190	4200	4210	4220	4230	4240	4250	4260	4270	4280	4290	4300	4310	4320	4330	4340	4350	4360	4370	4380	4390	4400	4410	4420	4430	4440	4450	4460	4470	4480	4490	4500	4510	4520	4530	4540	4550	4560	4570	4580	4590	4600	4610	4620	4630	4640	4650	4660	4670	4680	4690	4700	4710	4720	4730	4740	4750	4760	4770	4780	4790	4800	4810	4820	4830	4840	4850	4860	4870	4880	4890	4900	4910	4920	4930	4940	4950	4960	4970	4980	4990	5000	5010	5020	5030	5040	5050	5060	5070	5080	5090	5100	5110	5120	5130	5140	5150	5160	5170	5180	5190	5200	5210	5220	5230	5240	5250	5260	5270	5280	5290	5300	5310	5320	5330	5340	5350	5360	5370	5380	5390	5400	5410	5420	5430	5440	5450	5460	5470	5480	5490	5500	5510	5520	5530	5540	5550	5560	5570	5580	5590	5600	5610	5620	5630	5640	5650	5660	5670	5680	5690	5700	5710	5720	5730	5740	5750	5760	5770	5780	5790	5800	5810	5820	5830	5840	5850	5860	5870	5880	5890	5900	5910	5920	5930	5940	5950	5960	5970	5980	5990	6000	6010	6020	6030	6040	6050	6060	6070	6080	6090	6100	6110	6120	6130	6140	6150	6160	6170	6180	6190	6200	6210	6220	6230	6240	6250	6260	6270	6280	6290	6300	6310	6320	6330	6340	6350	6360	6370	6380	6390	6400	6410	6420	6430	6440	6450	6460	6470	6480	6490	6500	6510	6520	6530	6540	6550	6560	6570	6580	6590	6600	6610	6620	6630	6640	6650	6660	6670	6680	6690	6700	6710	6720	6730	6740	6750	6760	6770	6780	6790	6800	6810	6820	6830	6840	6850	6860	6870	6880	6890	6900	6910	6920	6930	6940	6950	6960	6970	6980	6990	7000	7010	7020	7030	7040	7050	7060	7070	7080	7090	7100	7110	7120	7130	7140	7150	7160	7170	7180	7190	7200	7210	7220	7230	7240	7250	7260	7270	7280	7290	7300	7310	7320	7330	7340	7350	7360	7370	7380	7390	7400	7410	7420	7430	7440	7450	7460	7470	7480	7490	7500	7510	7520	7530	7540	7550	7560	7570	7580	7590	7600	7610	7620	7630	7640	7650	7660	7670	7680	7690	7700	7710	7720	7730	7740	7750	7760	7770	7780	7790	7800	7810	7820	7830	7840	7850	7860	7870	7880	7890	7900	7910	7920	7930	7940	7950	7960	7970	7980	7990	8000	8010	8020	8030	8040	8050	8060	8070	8080	8090	8100	8110	8120	8130	8140	8150
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List No.	Cause of Death	Sex	Total	Residents	Non-Res.	Age at Death						
						Under 1 yr.	1-4	5-14	15-24	25-44	45-64	65 yrs. & over
	Brought Forward		1724	1517	207	15	15	10	20	87	365	1212
A 116	Toxaemias of pregnancy and the puerperium	M F	 1	 1					1			
A 122	Arthritis and spondylitis	M F	2 2	2 2							2 1	 1
A 124	Osteomyelitis and periostitis	M F	1 	1 							1	
A 126	All other diseases of skin and musculoskeletal system	M F	2 4	2 4					1		2	1 2
A 127	Spina bifida and meningocele	M F	2 2	1 2	1	1 1		1 1				
A 128	Congenital malformations of circulatory system	M F	8 9	8 7		8 8					1	
A 129	All other congenital malformations	M F	12 14	9 10	3 4	9 10		2 3		1		1
A 130	Birth injuries	M F	4 	4 		3					1	
A 131	Postnatal asphyxia and atelectasis	M F	5 6	4 5	1 1	5 6						
A 132	Infections of the newborn	M F	2 3	2 3		2 3						
A 133	Haemolytic disease of the newborn	M F	 3	 2	 1	 3						
A 134	All other defined diseases of early infancy	M F	2 2	2 2		2 2						
A 135	Ill-defined diseases peculiar to early infancy, and immaturity unqualified	M F	40 31	37 29	3 2	40 31						
A 136	Senility without mention of psychosis	M F	25 20	20 18	5 2							25 20
A 137	Ill-defined and unknown causes of morbidity and mortality	M F	113 43	106 40	7 3	9 7	1 1			5 2	40 16	58 16
AE 138	Motor Vehicle Accidents	M F	38 8	28 2	10 6		3 1		6 1	15 1	11 2	3 1
AE 140	Accidental poisoning	M F	7 3	6 3	1		1			2 2	2	3
AE 141	Accidental falls	M F	12 29	10 26	2 3			1		2		9 27
	Carried Forward		2179	1915	264	166	25	18	30	116	445	1379





List No.	Cause of Death	Sex	Total	Residents	Non-Res.	Age at Death						
						Under 1 yr.	1-4	5-14	15-24	25-44	45-64	65 yrs. & over
	Brought Forward		2179	1915	264	166	25	18	30	116	445	1379
AE 142	Accidents caused by machinery	M F	2	1	1					1	1	
AE 143	Accidents caused by fire and explosion of combustible material	M F	4 4	4 3				1 1		1 1	1	1 2
AE 144	Accidents caused by hot substance, corrosive liquid, steam and radiation	M F	1	1								1
AE 145	Accidents caused by firearm	M F	2	2					1		1	
AE 146	Accidental drowning and submersion	M F	4 1	4 1			2				1 1	1
AE 147	All other accidental causes	M F	13 6	11 6	2	1 3		1 2	2 1	5	1	3
AE 148	Suicide and self-inflicted injury	M F	24 11	22 11	2				3	6 7	11 3	4 1
AE 149	Homicide and injury purposely inflicted by other persons (not in war)	M F									1	
	Totals		2252	1982	270	170	29	21	37	137	466	1392

List No.	Cause of Death	Sex	Total	Established	Non-established	Age at Death						Total
						7-1	1-10	11-15	16-20	21-25	26-30	
	Brought Forward		2179	1915	264	166	25	18	30	116	445	1379
AE 142	Accidents caused by machinery	M F	2	1	1					1	1	
AE 143	Accidents caused by fire and explosion of combustible material	M F	4 4	4 3	1			1	1	1	1	3
AE 144	Accidents caused by hot substances, corrosive liquids, steam and radiation	M F	1	1								1
AE 145	Accidents caused by firearm	M F	2	2					1		1	
AE 146	Accidental drowning and submersion	M F	4 1	4 1			2				1	1
AE 147	All other accidental causes	M F	13 6	11 6	2	1 3	1 2	1	2	2	1	3
AE 148	Suicide and self-inflicted injury	M F	24 11	22 11	2				3	6 7	11 3	4 1
AE 149	Homicide and injury purposely inflicted by other persons (not in war)	M F	1	1							1	
	Totals		2252	1982	270	170	29	31	37	137	466	1392



IMMUNIZATION REPORT

IMMUNIZATIONS ADMINISTERED BY HEALTH DEPARTMENT TO INFANTS

	<u>Doses</u>	<u>Reinforcing Doses Or Completed</u>
Diphtheria	11,996	557
Pertussis	11,876	547
Tetanus	11,997	557
Salk (Polio Vaccine)	12,011	524
Typhoid-Paratyphoid AB	3	-
Cholera	-	1

Smallpox, primary vaccinations - 2,266; smallpox, revaccinations - 15  
Gamma Globulin - 237

IMMUNIZATIONS ADMINISTERED BY HEALTH DEPARTMENT TO PRE-SCHOOL  
CHILDREN

	<u>Doses</u>	<u>Reinforcing Doses or Completed</u>
Diphtheria	4,132	8,905
Pertussis	3,629	6,273
Tetanus	4,153	8,923
Salk (Polio Vaccine)	5,050	6,107
Sabin (Oral Feedings)	4,988	3,804
Typhoid-Paratyphoid AB	139	61
Typhus	29	32
Cholera	11	17

Rocky Mountain Spotted Fever - 2

Smallpox, primary vaccinations - 2,220; Smallpox, revaccinations - 1,264

Gamma Globulin - 711



IMMUNIZATIONS ADMINISTERED BY HEALTH DEPARTMENT TO SCHOOL CHILDREN

	<u>Doses</u>	<u>Reinforcing Doses or Completed</u>
Diphtheria	2,640	7,107
Pertussis	23	8
Tetanus	3,347	12,348
Salk (Polio Vaccine)	1,997	1,934
Sabin (Oral Feedings)	5,546	6,135
TAB	577	401
Typhus	22	15
Cholera	22	13

Reaction Tests - 7; Schick Tests - 334; Rocky Mountain Spotted Fever - 10

Smallpox, primary vaccinations - 2,271; Smallpox, revaccinations - 3,882

Gamma Globulin - 167

IMMUNIZATIONS ADMINISTERED BY HEALTH DEPARTMENT TO ADULTS

	<u>Doses</u>	<u>Reinforcing Doses or Completed</u>
Diphtheria	71	68
Pertussis	1	2
Tetanus	1,267	1,049
Salk (Polio Vaccine)	1,501	857
Sabin (Oral Feedings)	2,615	2,653
TAB	1,744	1,505
Typhus	344	344
Cholera	300	339

Diluted Diphtheria - 8; Schick Tests - 119; Rocky Mountain Spotted Fever - 32

Gamma Globulin - 413

Smallpox, primary vaccinations - 302; Smallpox, revaccinations - 5,412





SABIN VACCINE UTILIZATION - 1965

Category	Estimated Population	No. eligible on Jan. 1/65 for one dose only of Sa- bin Vaccine	No. eligible on Jan. 1/65 for two doses of Sabin Vac- cine	No. of 1st doses given during 1965 program	No. of 2nd doses given during 1965 program		
					After 1st dose in 1964 or earlier	After 1st dose in 1965	2nd doses Total
Pre-School Children (Including Infants)	50,000	6,216	25,000	4,988	1,406	2,398	3,804
School Children	77,564	1,200	10,000	5,546	1,708	4,427	6,135
Adult Males	90,067	300	20,000	606	313	309	622
Adult Females	93,485	1,000	30,000	2,009	971	1,065	2,036
Total	311,116	8,716	85,000	13,149	4,398	8,199	12,597
							25,746
							4,045
							1,228
							11,681
							8,792

TABLE 1. MECHANICAL PROPERTIES

Material	Tensile Properties		Compression Properties		Flexure Properties		Notes
	Yield Strength (ksi)	Tensile Strength (ksi)	Compressive Strength (ksi)	Modulus of Elasticity (ksi/in <sup>2</sup> )	Flexure Strength (ksi)	Flexure Modulus (ksi/in <sup>2</sup> )	
Aluminum 2024-T3	42	58	48	10.0	45	10.0	Extruded
Aluminum 7075-T6	74	83	78	10.8	75	10.8	Extruded
Aluminum 6061-T6	37	45	38	10.0	40	10.0	Extruded
Aluminum 5052-H32	23	32	24	10.0	25	10.0	Extruded
Aluminum 3003-H14	12	17	13	10.0	15	10.0	Extruded
Aluminum 1100-H14	8	12	9	10.0	10	10.0	Extruded
Aluminum 99.5% Al	0.01	0.01	0.01	10.0	0.01	10.0	Pure Aluminum



SERA AND VACCINE DISTRIBUTED FOR USE IN CALGARY

Diphtheria Antitoxin, 1,000 units .....	7
Diphtheria Antitoxin, 40,000 units .....	6
Diphtheria Toxoid, singles .....	50
Diphtheria Toxoid, diluted 4 cc. ....	10
Diphtheria Toxoid, Pertussis Vaccine & Tetanus Toxoid, singles ...	635
Diphtheria Toxoid & Tetanus Toxoid, singles .....	1,226
Diphtheria Toxoid & Tetanus Toxoid, 6 x 6 cc. pkge. ....	95
Gas Gangrene Antitoxin, vials of 10,000 units .....	40
Immune Sera Globulin cc.'s .....	4,263
Materials for Schick Tests (25 tests) .....	180
Poliomyelitis Vaccine, 10 cc. pkge. ....	721
BIAD (Tetanus, Polio Vaccine), 10 cc. pkge. ....	116
TRIAD (DT-Polio Vaccine), 10 cc. pkge. ....	590
QUAD (DPT-Polio Vaccine), 10 cc. pkge. ....	3,027
Rocky Mountain Spotted Fever Vaccine, 3 cc. pkge. ....	11
Sabin Poliovirus Vaccine, 20 doses .....	100
Sabin Poliovirus Vaccine, 100 doses .....	270
Smallpox Vaccine, singles .....	2,058
Smallpox Vaccine, 10's .....	2,695
Staphylococcus Toxoid, 2 cc. pkge. ....	162
Staphylococcus Antitoxin 20,000 units .....	1
Tetanus Antitoxin, 1,500 units .....	329
Tetanus Antitoxin, 20,000 units .....	1
Tetanus Toxoid, 30 cc. pkge. ....	206
Tetanus Toxoid, 3 cc. pkge. ....	776



Tetanus Toxoid, Paratyphoid & Typhoid Vaccine, 3 cc. pkge. ....	171
Tetanus Toxoid, Paratyphoid & Typhoid Vaccine, 25 cc. pkge. ....	90
Typhoid & Paratyphoid Vaccine, singles .....	96
Typhoid & Paratyphoid Vaccine, 10 cc. pkge. ....	120
(all the above material supplied free by the Provincial Government)	
Cholera Vaccine, 2½ cc. pkge. ....	114
Cholera Vaccine, 10 cc. pkge. ....	54
Typhus Vaccine, 3 cc. pkge. ....	254
Typhus Vaccine, 30 cc. pkge. ....	10

A thorough survey of waste disposal plants in all municipal establishments in the City was started in September and will continue until late 1938 before it is completed. Upon completion this survey will give us information on all municipal installations in the City and would greatly assist us in the elimination of the insanitary areas for the benefit of the population which these insanitary areas now pose as a menace to the City.

The City and Municipal Councils Programme was started on this year to co-operate with the City Department. It was started with the aim of having a survey of the City and to have a plan of action for the improvement of the City. The first lecture of the programme was given on the subject of "The City and the Future" and was attended by a large number of people. The second lecture was given on the subject of "The City and the Future" and was attended by a large number of people. The third lecture was given on the subject of "The City and the Future" and was attended by a large number of people.

Mr. J. Sullivan, Public Health Officer, visited a total of 442 sick during the winter months 1938.

A series of lectures were given in the Food Service Classes at Jarvis School and Normal School as well as to the students of the Food Service Course at the Southern Alberta Institute of Technology. Lectures were also given to small groups of persons of various ages at the restaurants in the City. In addition, the inspectors participated in lectures and panel discussions at various meetings and conventions held by the Restaurant Association and the Dairy Associations.

The food inspection was completed with the food service stands on the campus prior to the opening. However, by noon on the opening March, nearly all stands had been opened. Over the years the methods employed in supervising these stands at the University have resulted in a higher grade of healthful food being offered to the public and a great improvement in the food-selling service.



151	.....	.....
98	.....	.....
98	.....	.....
170	.....	.....
	.....	.....
118	.....	.....
94	.....	.....
254	.....	.....
10	.....	.....

Dr. L. C. Allan,  
Medical Officer of Health,  
Health Department,  
City of Calgary.

Dear Sir:

Once again it is my privilege and pleasure to present to you the past year's record of accomplishment of the Inspectional Division and the Laboratory. I would also like to take this opportunity of expressing the appreciation of the personnel under my supervision as well as my own for your assistance and guidance during this past year.

In addition to their regular work, the Public Health Inspectors made an excellent effort in attempting to clean up the lanes of garbage cans and burning barrels. This was a monumental task, and with so many callbacks and reinspections the job of completely covering the City was not finished.

A thorough survey of waste disposal methods of all commercial establishments in the City was started in September and will continue well into 1966 before it is completed. Upon completion this survey will give us information on all commercial incineration in the City and should greatly assist us in the enforcement of the Regulations for the Control of Air Pollution when these Regulations come into effect on September 15th, 1966.

The Fly and Mosquito Control Programme was carried on this year in co-operation with the Parks Department. In discussions with yourself and Mr. Boothman it was decided that by co-ordinating the work a much better coverage would be obtained, and by using the personnel of the Parks Department a savings in the duplication of manpower would be obtained. The large numbers of mosquitoes presented an unusual degree of annoyance to the citizens with resulting complaints. The use of a fogging machine which was loaned to the Parks Department assisted greatly in the control of mosquitoes.

Mr. J. Saville, Pigeon Control Officer, trapped a total of 462 birds during the summer season 1965.

A series of lectures were given to the Food Service Classes at James Fowler and Bowness School as well as to the students of the Food Service Course at the Southern Alberta Institute of Technology. Lectures were also given to small groups of personnel of several of the restaurants in the City. In addition, the Inspectors participated in lectures and panel discussions at various meetings and conventions held by the Restaurant Association and the Dairy Associations.

The usual troubles were encountered with the food service stands at the Stampede prior to the opening. However, by noon on the opening Monday nearly all these had been overcome. Over the years the methods employed in supervising these stands at the Stampede have resulted in a higher grade of foodstuffs being offered to the public and a great improvement in the food-handling methods.

Dr. J. E. Allen,  
Federal Officer of Health,  
Health Department,  
City of Calgary.

Dear Sir:

Now again to the activities and progress in regard to the past year's work of the Laboratory of the Health Department. I would like to say a few words in regard to the progress of the Laboratory and the progress of the Health Department in the past year.

In addition to the regular work, the Health Department has made an excellent effort in the past year in the work of the Laboratory. This work has been done in the past year and has been very successful. The work has been done in the past year and has been very successful.

A summary of the work of the Laboratory in the past year is given in the following table. The work has been done in the past year and has been very successful. The work has been done in the past year and has been very successful.

The following table shows the work of the Laboratory in the past year. The work has been done in the past year and has been very successful. The work has been done in the past year and has been very successful.

Dr. J. E. Allen, Federal Officer of Health, signed a total of 100 birds during the past year.

The following table shows the work of the Laboratory in the past year. The work has been done in the past year and has been very successful. The work has been done in the past year and has been very successful.

The following table shows the work of the Laboratory in the past year. The work has been done in the past year and has been very successful. The work has been done in the past year and has been very successful.



During the year five Inspectors successfully completed a correspondence course in Environmental Sanitation which was given by the Extension Department of the University of Utah. These Inspectors are to be congratulated on their interest and effort. Mr. N. L. Bruce successfully completed a Training Course in Supervisory Methods in Municipal Administration.

The addition of Mr. D. Seeley and Mr. A. T. Tulloch to the inspectional staff is greatly appreciated and has filled two vacancies. They have fitted in well with the work of the Department and are doing a very good job.

The Dairy Plant Inspector and the two Dairy Farm Inspectors have worked most effectively in upgrading the quality of milk in the City. The change-over to bulk shipping has presented many unexpected problems, as has the multitude of different packaging of the final product. These problems were tackled in cooperation with management of the dairy plants and for the most part a solution has been found.

The Laboratory Technicians should be given credit for doing a most efficient and effective job. 62,199 laboratory tests were done in 1965, whereas the total for 1964 was 66,680 tests. Tests were made on City water, well water, raw milk, pasteurized milk, turtle water and dishes and utensils of restaurants, nursing homes and beverage rooms. In addition, chemical tests were made on the water from wells within the City.

The following statistical reports are submitted for your information.

Respectfully submitted,

J. Crichton, C.S.I. (C), M.R.S.H.,  
Chief Inspector.

During the year 1955 the Institute successfully completed a series of experiments in the field of the study of the behavior of the human body. These experiments were carried out in the laboratory of the Institute of Human Physiology, U.S.S.R. Academy of Sciences, and the results are being published in the journal "Voprosy Psichologii".

The Institute of Human Physiology, U.S.S.R. Academy of Sciences, is a leading scientific institution in the field of the study of the human body. It has a long and distinguished history, and its researches are of great importance for the development of the science of human physiology.

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The following experimental results are reported in the present report.

### Experimental results

I. Introduction, 2. Results, 3. Discussion, 4. Conclusion.

DISTRICT INSPECTIONS  
DETAILED REPORT - 1965

	<u>Number Established as of December/65</u>	<u>Number of Inspections Made</u>
Abattoirs	1	8
Air Pollution	10	812
Ambulances	5	34
Amusement Arcade	1	2
Apartment Blocks	209	408
Apiaries	6	13
Auction Mart	1	4
Auto Courts	68	257
Aviaries	2	10
Bakeries	92	1,207
Barber Shops	213	784
Basement Rooms		51
Basement Suites		68
Baths	9	20
Beauty Parlors	249	973
Beverage Rooms	38	276
Billiard Halls	30	143
Boarding Nurseries	2	3
Boarding Houses	2	10
Bottling Works	10	52
Bowling Alleys	11	98
Breweries	2	13
Butchers	153	993
Cabarets	28	57
Camp Grounds	3	21
Candy Manufacturing	2	10
Canneries	2	30
Caterers	34	206
Chickens		75
Chicken Slaughter Houses	4	10
Chinchilla Farms	1	3
Clubs	27	82
Cocktail Lounges	35	273
Concessions	65	835
Dairy Bars	20	198
Day Nurseries	34	92
Departmental Stores	23	217
Dogs		10
Dry Cleaners	72	187
Dry Cleaners - Coin	23	87





	<u>Number Established as of December /65</u>	<u>Number of Inspections Made</u>
Factories	44	197
Feed Lots	21	163
Fish Markets	2	13
Fish Wholesale	2	7
Food Packaging		47
Fur Farms	6	51
Garages	558	124
Garbage		1,396
Groceries	346	2,393
Halls	114	128
Hatcheries	7	7
Hawkers	37	37
Home Occupations	57	47
Honey Processing		1
Horses	12	19
Horse Meat Packers	1	4
Hospitals	6	10
Hostels	1	7
Hotels	41	97
Housing		926
Housing Survey		338
Ice Cream & Soft Drinks	248	597
Ice Manufacturers	4	
Incinerators		278
Institutions	21	16
Kennels (Boarding)	9	23
Kennels (Registered)	7	34
Kindergartens	104	239
Lanes		764
Laundries	39	72
Laundries - Coin	34	183
Locker Plants	8	48
Meat Processing	13	114
Miscellaneous		3,438
Mobile Canteens	34	21
Noxious Gases		72
Nursing Homes	19	65
Office Buildings		81





	<u>Number Established as of December/65</u>	<u>Number of Inspections Made</u>
Parking Lots		9
Pest Control		169
Pet Shops	17	80
Pigeons		166
Pigeon Lofts	55	136
Pig Farms	10	81
Plumbing		19
Poultry Keeper	12	60
Rendering Plants	2	29
Restaurants & Drive-Ins	433	5,247
Riding Academies	1	17
Rodents		34
Roller Rinks	1	8
Rooming Houses	22	77
Sanitary Landfill	2	1
Septic Tanks	42	42
Sewage Disposal		76
Slaughter Houses	4	35
Shopping Centres	15	33
Staff Cafeterias	35	152
Swimming Pools - Private	19	44
Swimming Pools - Public	12	133
Swimming Pools - Semi-Private	17	124
Theatres	16	26
Toilet Accommodations		92
Trailer Courts	15	128
Trailers		166
Truck Terminals	6	7
Unsightly Premises		565
Used Car Lots	97	34
Warehouses	55	160
Waste Disposal		1,299
Waste Disposal Grounds	2	142
Weeds		125
Wells	460	460

#### MISCELLANEOUS PROCEDURES

O.P.C. Beverage Rooms	221	Swimming Pools (Chemical)	11
O.P.C. City Water	7	Wells (Chemical)	148
O.P.C. Cocktail Lounges	143	Complaints	1,789
O.P.C. Hospitals	8	Complaints Call Back	1,423
O.P.C. Nursing Homes	35	Notices - Verbal	5,058
O.P.C. Restaurants	2,674	Notices - Written	838
O.P.C. Wells	263	Planning Applications	456
O.P.C. Swimming Pools	5		



MISCELLANEOUS PROCEDURES (Continued)

Requests for Inspections	473
Written Reports	1,300
Letters	254
Lectures	67

CONDEMNED:-

- 1 House
- 1 Accessory Building
- 2 Basement Suites
- 6 Basement Rooms

CONDEMNED FOODSTUFFS:-

- 350 lbs. Vegetables
- 100 lbs. Various Meats
- 155 lbs. Fish

and 3 truck-loads of foodstuffs which were smoke damaged - approximately 2,500 lbs.



MISCELLANEOUS RECEIPTS (Continued)

Amount for Expenses	4.75
Office Supplies	1.50
Travel	1.25
Postage	.50

EXPENSES

1. Office
2. Necessary Printing
3. Telephone
4. Postage

EXPENSES (Continued)

500 lbs. Vaseline
100 lbs. Various Goods
100 lbs. Flour

and 2 bags of Cornmeal, which were sold at approximately \$1.00 per bag.

MEAT INSPECTION

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<u>Submitted:</u>													
Beef	307	259	231	222	271	291	232	314	280	264	309	234	3,214
Veal	215	172	256	173	275	193	143	162	225	223	241	242	2,520
Hogs	38	31	16	11	9	9	4	5	10	28	28	22	211
Sheep & Lamb	15	1		27	15	11	19	53	12	1	37		191
TOTALS	575	463	503	433	570	504	398	534	527	516	615	498	6,136
<u>Condemned:</u>													
Beef					2		1						3
Veal					1							1	2
Hogs	1					1							2
Sheep & Lamb													
TOTALS	1				3	1	1					1	7
<u>Portions Condemned:</u>													
Beef Heads and Tongues	2		1	1	1	1	2	1	1	2		1	13
Beef Hearts	3	1	7			1		1	3	5		2	23
Beef Livers	74	66	59	80	89	103	92	96	87	86	46	56	934
Veal Heads and Tongues	1												1
Veal Hearts		1			1					1	1		4
Veal Livers	10	17	27	15	53	53	31	22	19	10	6	9	272
Hog Heads and Tongues	3			2									5
Hog Hearts											1		1
Hog Livers	1		1				2	2		1			7
Sheep Livers				5	3			1					9
TOTALS	94	85	95	103	147	158	127	123	110	105	54	68	1,269





DAIRIES AND MILK CONTROL

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Dairy Farm Inspections	54	92	104	115	105	108	32	57	115	102	89	74	1,047
Milk Plant Inspections	28	32	30	30	32	35	16	18	28	33	29	31	342
Permits Issued to Dairymen	278	1	1	1		3		2	3	2	2	3	296
Permits Issued to Cowkeepers													
Permits Issued to Distributors	5												5
Permits Issued to Milk Plants	4												4
Permits Issued to Collectors	39												39
Complaints Received	2			1	2	2	2	2	1	3	1		16
Complaints Justified	2			1	1	2			1	2	1		10
Notices Issued	149	158	211	60	115	175	118	165	126	198	247	114	1,836
Permits Suspended								1	1		1		3
Dairymen's Sediment Tests		48	38							72	33		191
Dairymen's M.Q.T. Tests	143	176	362	272	142	101				72			1,268
Dairymen's S.P.C. & Reductase Tests	506	387	675	534	426	649	399	625	386	399	634	378	5,998
Dairymen's Samples Collected	649	611	1075	806	568	750	399	625	386	543	667	378	7,457
Distributors' Samples Collected	206	190	247	194	178	224	253	319	226	236	254	209	2,736
Total Samples Collected	855	801	1322	1000	746	974	652	944	612	779	921	587	10,193



METHYLENE BLUE TESTS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Grade I	351	312	603	501	339	383	189	300	221	211	246	139	3,795
Grade II	68	21	15	4	41	141	111	167	93	99	212	151	1,123
Grade III	84	43	43	1	32	112	93	143	72	84	165	88	960

SEDIMENT TESTS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Grade I		21	19							18	8		66
Grade II		9	14							23	8		54
Grade III		18	5							31	17		71

AVERAGE OFFICIAL PLATE COUNT

Glass Bottles

Standard	4,000
Homogenized	<3,000
Homogenized $\frac{1}{2}$ gals.	<3,000
Skim	<3,000
Partly Skim (2 %)	<3,000
Partly Skim $\frac{1}{2}$ gals.	<3,000
Jersey	7,500
Substandard Cream	<3,000
Whipping Cream	5,000
Chocolate	<3,000

Cartons

Standard	4,000
Homogenized	<3,000
Homogenized $\frac{1}{2}$ gals.	<3,000
Skim	<3,000
Partly Skim	<3,000
Partly Skim $\frac{1}{2}$ gals.	<3,000
Substandard Cream	3,000
Whipping Cream	6,000
Chocolate	3,000

AVERAGE BUTTER FAT CONTENT

Standard	3.41
Homogenized	3.39
Skim	0.06
Partly Skim	2.13

Jersey	4.63
Substandard Cream	10.22
Whipping Cream	35.40
Chocolate	2.39

Total Milk Sales in Quarts 31,052,263  
 Total Cream Sales in Quarts 1,918,348  
 Per capita, per day consumption:-

Milk - .547 pints  
 Cream - .034 pints



MONTHLY SALES DATA

Grade	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Grade 1	100	110	120	130	140	150	160	170	180	190	200	210	1,750
Grade 2	80	90	100	110	120	130	140	150	160	170	180	190	1,400
Grade 3	60	70	80	90	100	110	120	130	140	150	160	170	1,050

MONTHLY DATA

Grade	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Grade 1	10	11	12	13	14	15	16	17	18	19	20	21	175
Grade 2	8	9	10	11	12	13	14	15	16	17	18	19	140
Grade 3	6	7	8	9	10	11	12	13	14	15	16	17	105

MONTHLY PHYSICAL DATA COST

Grade	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Grade 1	100	110	120	130	140	150	160	170	180	190	200	210	1,750
Grade 2	80	90	100	110	120	130	140	150	160	170	180	190	1,400
Grade 3	60	70	80	90	100	110	120	130	140	150	160	170	1,050

MONTHLY PHYSICAL DATA COST

Grade	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Grade 1	10	11	12	13	14	15	16	17	18	19	20	21	175
Grade 2	8	9	10	11	12	13	14	15	16	17	18	19	140
Grade 3	6	7	8	9	10	11	12	13	14	15	16	17	105

Total Sales 1,750  
Total Cost 1,050  
Total Profit 700  
Total Sales 1,750  
Total Cost 1,050  
Total Profit 700

EXAMINATION OF WATER SUPPLIES

Water Samples	Number Received	Presum. Lactose 100 cc.	Presum. Lactose 10 cc.	Presum. Lactose 1 cc.	Agar Plate Count	Confirmation (BGB)	Total
City Water	1,233	2,598	354	354	2,598	479	6,383
Glenmore Plant	775	2,072	1,566	1,458	1,954	359	7,409
Swimming Pools	11	33	21	21	28	7	110
Well Water	963	2,706	2,340	2,340	2,496	1,240	11,122
Miscellaneous	285	842	810	810	783	706	3,951
Total	3,267	8,251	5,091	4,983	7,859	2,791	28,975

EXAMINATION OF MILK SAMPLES

Number of Samples Received	Babcock	Phosphatase	Specific Gravity	Total Solids Test	Total Solids Not Fat Test	TGEM Plate Count	BGB Coliforms	Reductase (Raw)	Plate Count on Producers' Samples	Total
2,338	403	349	338	335	335	5,441	11,690	2,317	3,796	25,004

Special Milk Investigation ..... 141

Tests on Store Milk ..... 2,513

MISCELLANEOUS TESTS

Plate counts on restaurant and beverage room utensils - 3,157

Tests on Foods and Drinks - 281

Chemical Tests on Water - 2,074

Tests on Urine - 54

5,566

GRAND TOTAL 62,199

TABLE 1. SUMMARY OF DATA FOR THE

Year	1950	1951	1952	1953	1954	1955	1956	1957
1. Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2. ...	...	...	...	...	...	...	...	...
3. ...	...	...	...	...	...	...	...	...
4. ...	...	...	...	...	...	...	...	...
5. ...	...	...	...	...	...	...	...	...
6. ...	...	...	...	...	...	...	...	...
7. ...	...	...	...	...	...	...	...	...
8. ...	...	...	...	...	...	...	...	...
9. ...	...	...	...	...	...	...	...	...
10. ...	...	...	...	...	...	...	...	...

TABLE 2. SUMMARY OF DATA FOR THE

Year	1950	1951	1952	1953	1954	1955	1956	1957
1. Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
2. ...	...	...	...	...	...	...	...	...
3. ...	...	...	...	...	...	...	...	...
4. ...	...	...	...	...	...	...	...	...
5. ...	...	...	...	...	...	...	...	...
6. ...	...	...	...	...	...	...	...	...
7. ...	...	...	...	...	...	...	...	...
8. ...	...	...	...	...	...	...	...	...
9. ...	...	...	...	...	...	...	...	...
10. ...	...	...	...	...	...	...	...	...

TABLE 3. SUMMARY OF DATA FOR THE

TABLE 4. SUMMARY OF DATA FOR THE

TABLE 5. SUMMARY OF DATA FOR THE

TABLE 6. SUMMARY OF DATA FOR THE

TABLE 7. SUMMARY OF DATA FOR THE



Dr. Leslie C. Allan,  
Medical Officer of Health,  
City of Calgary.

Dear Dr. Allan:

I wish to submit a report of Public Health Nursing Services to Nursing Homes and Homes for the Aged for 1965.

Miss L. M. Young, R.N., resigned as a Nursing Home Inspector of the City Health Department on March 31st, 1965. She was succeeded by Mrs. Ina M. Gotfried, P.H.N., appointed on March 23rd, 1965.

There are three categories of institutions which have been inspected by the Nursing Home Inspector of the City of Calgary. They are:

1. The Contract Nursing Homes as included and described in the Alberta Nursing Home Plan established in April 1964. (There were 13 Contract Nursing Homes in Calgary with a capacity of 1,207 patients and an occupancy of 1,083 patients at the end of 1965)
2. The Private Nursing Homes which are not in the Alberta Government Contract Scheme. (There were four private nursing homes in January 1965; however, only one remained open by the end of 1965 with a capacity of 19 patients and an occupancy of 18.)
3. The Homes for the Aged. (There were four homes for the aged with a capacity of 180 guests and an occupancy of 154 guests at the end of 1965.)

#### Private Nursing Homes

During the year 1965, changes have occurred in the status of some of the private nursing homes:

Central Park Lodge, a private nursing home, became a contract nursing home;

Mount Royal Nursing Home, Dana Nursing Home and Bowness Nursing Home were closed during 1965, although the Bowness Nursing Home quarters continue to be used as an annex to Bowcrest Nursing Home;

33 visits were made to these private nursing homes.

#### Homes for the Aged

Among the homes for the aged some changes have occurred:

Rundle Lodge has made alterations which reduce its licensed capacity to 43 guests.

Sunset Lodge, with accommodation for 49 guests, has operated during this year with an average of approximately 30 guests.





Calgary Old Folks Home will remain in operation into 1966 until Scottish Nursing Home construction is completed. All guests will be transferred to this Nursing Home.

Maintenance of these old buildings continues to receive the careful attention of their managements.

42 visits were made to the homes for the aged.

For the first group, the contract nursing homes, a Director of Nursing Home Services was appointed by the Provincial Department of Health in January, 1965. To her, our Calgary Nursing Home Inspector gradually transferred her responsibility for inspecting contract nursing homes within the City of Calgary. However, 44 visits to contract nursing homes were still made by our Inspector who included these in a detailed inspection and survey of food service in all nursing homes in the City. Problems encountered requiring further surveillance or action were referred to the Chief Health Inspector, City of Calgary. Facilities developing under the contract nursing homes programme promise to be excellent.

For elderly couples who are not disabled there are the following homes: Eastern Star Homes; Bow Valley Lodges; Jacques Lodges; Elbow Valley Lodges.

There is still a need for better care and assistance to senior citizens who choose to remain as long as possible in their own homes. Partially this need is met by the Victorian Order of Nurses who provide by their visits nursing care to those who are under the treatment of a physician. The "Meals on Wheels" project which was started by the United Church in the fall of 1965 deserves praise for its contribution to meet a real need. An extended home help programme (visiting housekeeping services) is urgently required for senior citizens living in their own homes.

The District Public Health Nurse has much to offer in geriatric care through her recognition of the need, her knowledge of community resources and her ability to counsel. This aspect of Public Health Service must be considered in our future programme.

Respectfully submitted,

(Mrs.) Eileen V. Jones,  
Director of Public Health Nursing.





Dr. Leslie C. Allan,  
Medical Officer of Health,  
City of Calgary.

Dear Dr. Allan:

It is my privilege to present the report of the child health services of the Calgary Health Department for the year 1965.

We continue to visit newborns and their mothers shortly after their return home from hospital.

There were 8,447 new admissions to our Child Health Centres in 1965 consisting of 5,070 infants and 3,417 pre-school children. There were 26,655 visits (other than first visits) - 10,011 by infants and 16,644 by pre-school children. Thus, the average child admitted to our Clinics comes four more times. As seen in the following tables, our clinics are used by all social classes since the number of admissions is even higher than the number of births to City residents. We explain the excess over 100% by the use of our facilities by migrants and residents from surrounding areas, and this latter would have been greater just before the annexation of the Town of Bowness in August 1964.

Infant Attendance	ATTENDANCE AT CHILD HEALTH CENTRES						
	1959	1960	1961	1962	1963	1964	1965
New	4,598	5,049	4,801	5,846	6,015	5,351	5,070
Old	15,235	15,511	17,468	18,427	17,800	13,183	10,011
Total Infant Attendance	19,833	20,560	21,269	24,273	23,815	18,534	15,081

Pre-School Attendance	1959	1960	1961	1962	1963	1964	1965
New	1,389	1,170	1,422	2,018	2,112	3,172	3,417
Old	6,003	5,133	5,532	8,557	9,867	15,467	16,644
Total Pre-School Attendance	7,392	6,303	6,954	10,575	11,979	18,639	20,061

NEW ENROLLMENTS EXPRESSED AS A PERCENTAGE OF BIRTHS MINUS DEATHS

Births minus	7,190	7,471	7,388	7,932	8,032	7,688	7,235
Infant Deaths	<u>172</u>	<u>158</u>	<u>172</u>	<u>161</u>	<u>156</u>	<u>180</u>	<u>155</u>
	7,018	7,313	7,216	7,771	7,876	6,508	7,080
New Infants plus	4,598	5,049	4,801	5,846	6,015	5,351	5,070
Pre-Schoolers Enrolled	<u>1,389</u>	<u>1,170</u>	<u>1,422</u>	<u>2,018</u>	<u>2,112</u>	<u>3,172</u>	<u>3,417</u>
	5,987	6,219	6,223	7,864	8,127	8,523	8,487
New Infants Plus Pre- Schoolers Expressed as a % of Births Minus Deaths	85%	85%	86%	101%	103%	130%	120%





ATTENDANCE BY CLINICS

<u>Infants</u>	<u>City Hall</u>	<u>Bowness</u>	<u>Forest Lawn</u>	<u>Haysboro</u>	<u>North Hill</u>	<u>Killarney</u>	<u>Scarboro</u>	<u>Wildwood</u>	<u>Total</u>
Attendance	3,076	674	1,272	2,257	3,634	973	2,977	218	15,081
Admissions	856	217	408	784	1,477	306	946	76	5,070
On Breast	93	46	40	139	219	36	125	15	713
On Bottle	763	171	368	645	1,258	270	821	61	4,357
<u>Pre-School</u>									
Attendance	3,606	989	1,806	4,812	5,277	864	2,415	292	20,061
Admissions	470	296	290	914	777	173	442	55	3,417
Doctor's Examinations	224	268	194	318	607	233	365	106	2,315
Doctor's Days	74	27	48	64	96	40	66	19	434
Total Attendance	6,682	1,663	3,078	7,069	8,911	1,837	5,392	510	35,142
No. of Clinic Days	242	49	140	204	242	50	242	20	1,189
Average Attendance	27.6	33.9	21.9	34.6	36.8	36.7	22.3	25.5	29.5

Our Scarboro Centre at Scotland Street and 17th Avenue is very much smaller than our North Hill, Haysboro or City Hall accommodation, yet it serves a very large area and population. Postnatal home visits done in the districts are listed below to indicate the population served in these areas.

Scarboro	-	2,203	postnatal visits
North Hill	-	2,104	" "
City Hall & Bowness	-	1,489	" "
Haysboro	-	1,085	" "
Forest Lawn	-	728	" "

Because of the smallness of the Scarboro Clinic and office quarters, this district office cannot have a stenographer or receptionist. The Public Health Nurse Supervisor has to do the clerical work and is interrupted in her nursing work by the telephone. The waiting room is often overcrowded. (The Nurses based in one of these Clinics work in that Clinic and out in a district and are under the super-





vision of the Supervisor of Public Health Nursing in that Clinic and area).

Another measure introduced in our other Clinics has, because of limited space and arrangement, not been possible in our Scarboro Clinic. This has been for the Nurse interviewing the mother about feeding, etc. also to give the immunization. This eliminates a second wait by the little family and leads to more considerate and warmer human treatment of the public by our staff.

Although it has been proven that, in general, breast fed infants are more resistant to gastro-intestinal infections and to respiratory infections, the level of sanitation, care and nutrition in our community is such that serious illness or death of an infant from these causes is infrequent. Thus, fear of infection is not a powerful factor in motivating Calgary mothers to nurse their babies. Incidence of breast cancer is a little less in those who have nursed babies than among those who have not. Yet, among the 5,000 admissions of infants to our Child Health Centres in 1965, fewer than one-seventh were breast fed (the great majority of babies come for the first time to our Clinic at ages under five months).

Breast Fed Infants	713
Bottle Fed Infants	<u>4,357</u>
Total Number Of Infants Admitted In 65	5,070

It might be thought that we were in a position to change this ratio. However, by the time the infant comes to the Clinic the decision has been made by the parent. A little more effort might be made at the time of the home visit to the newborn to encourage persistence with breast feeding. Yet at this time the mother is following the advice of her own physician or paediatrician, who would in particular cases have very good reason to consider as interference our strong urging to breast feed.

Prenatal classes begun in 1964 were continued in 1965. These are classes of instruction in diet, exercises and relaxation beneficial for expectant mothers. They are also designed to foster a good attitude to and care of the baby and the family as a whole. Although we were pleased to have attendance representing all socio-economic groups, we have been disappointed in the results of our efforts to have classes in Forest Lawn and Bowness. We did in these areas make special efforts visiting the practising physicians and others involved in the local community life as well as some expectant mothers who were hesitant about coming. We are not getting in our prenatal classes a proportion of the lower economic groups nearly so high as their proportion in the general population. In fact, there will be no justification for continuing these classes if this attendance does not grow in the next two to three years.

In 1965 there were 112 expectant mothers who attended the ten series of eight prenatal classes at one of our Centres (North Hill, Haysboro, Forest Lawn or Bowness). We should mention that in the City, under other auspices, there are series of prenatal classes held at hospitals and at medical office buildings. One of the reasons for our entering this field was to make this service available in the more outlying districts at a fee which would not





deter even the poorest.

The school population served in 1965 was 77,564, consisting of:

61,994 pupils belonging to the Public School System  
and  
14,744 pupils belonging to the Separate School System, plus  
62 Seventh Day Adventist School  
78) Jewish Schools  
290)  
118 Calgary Christian Reformed  
206 Christine Meikle  
72 Emily Follensbee  
77,564

The City is divided into fifty-six nursing districts.

It will be noted that the two schools for retarded children are now among those to whom we give service.

In 1965, the Calgary Public School Board approved a policy making more use than formerly of skin testing as a means of screening their staff for Tuberculosis.

- a) Now the Calgary Public School Board requires a pre-employment chest x-ray (or written agreement to have this within one month of employment).
- b) Annual skin testing for Tuberculosis of negative reactors.
- c) Chest x-ray of positive reactors every two years.
- d) Compliance with Division of TB Control, Department of Public Health Recommendations, for follow-up x-rays in the case of those employees recently converting from a negative reactor to positive, or of any recovered from a tuberculous illness, or contacts of active cases.

The school staff takes advantage of the Public Health Nurse's presence and has the skin test at the time the Grade I or Grade IX pupils are being done.

The statistics this year will not present an accurate statistical picture of the rate of positive reactors since some teachers were done voluntarily in February at the Teachers' Convention, some were done after the new policy took effect and others will not be done until January and February 1966 when the Grade IX pupils are to be done; but it looks as if the rate of positive reactors





in the staffs of the Calgary schools is about 25%.

Calgary School Board and Calgary Separate School Board staffs in 1965 were composed of:

Calgary Separate Schools - teachers, secretaries and caretakers - 700

Calgary Public Schools - teaching staff	2,670 )	
- caretakers	444 )	- 3,282
- office staff in schools	168 )	
- main office staff	314	
- visiting teachers, psychologists, etc.	<u>15</u>	
	3,611	

Total Whom We Covered Or Tried To Cover With Skin Tests or X-Rays	<u>3,982</u>
--	--------------

<u>TUBERCULIN TESTS DONE - SCHOOL BOARD STAFF</u>	<u>Positive Reactors</u>
1) at Mobile Unit at Teachers' Convention in February 1965 - (1,839 done) but only 1,679 reported	670
2) by Health Department Nurses at schools - done and reported - <u>1,452</u>	<u>167</u>
Total done that were reported <u>3,131</u>	<u>837</u>

X-RAYS - SCHOOL BOARD STAFF

At Mobile Unit at Teachers' Convention in Feb. 1965	-	2,066
At City Hall	-	<u>653</u>
Total X-Rays Done		<u>2,719</u>

The urine test for diabetes previously done routinely on Grade I pupils has been dropped for the reason that, in the previous year, when 9,480 tests were done, only seven were positive and of those only one proved to lead to the discovery of a case of diabetes.

We have for years done audiometer testing on pupils referred by the Teacher who may suspect a hearing defect. We have found valuable the extension of the routine audiometer testing. Now, in addition to a test on each Grade III pupil, one is performed on any child in the elementary grades who is repeating a grade or who has been put into the "slow stream". This has led to the finding of a significant number of hitherto unsuspected cases of marked deafness and measures were taken to see that the handicap was offset by things such as immediate ear specialist care, hearing aid and more sympathetic handling.



Although in 1965 the cases of venereal disease which were officially reported gave no reason to believe that Calgary was sharing in the great rise of teenage venereal disease reported elsewhere in North America, there has been other evidence of changing standards of behaviour in this age group, viz. the rising rate of illegitimate births. Three new films for youth and parents on the subject of venereal disease were viewed by our Department, tested for teenage and parent reaction. The Calgary Public School administrative staff made plans to study the suitability of introducing one or more of these films through their regular classes to all pupils of high school age or before leaving school.

Otherwise, our programme in the schools is the same as reported in detail in last year's Annual Report.

Statistics follow on work done in the schools, communicable diseases reported in school-age children by Doctors and Nurses. Statistics were not this year collected on immunization status of children on entry to Grade I and in May in Grade VI. It is our intention next year again to do this to compare with 1964.

#### SCHOOL HEALTH SERVICES IN 1965

##### 1. Physicians' Report

No. of children examined on referral by teacher, parent or nurse of child	900
No. of these referred to family doctor, dentist or eye examiner	298
No. of children examined as routine new admissions to school other than Grade I	3,210
No. of these referred to doctor, dentist or eye examiner	1,181

##### Routine Grade 1 Examinations Only - - - - - 7,746

No. of these - Health Grade A	6,767
No. of these - Health Grade B	925
No. of these - Health Grade C	54
No. of these referred to family doctor	480
No. of these referred to dentist	1,935
No. of these referred to eye examiner	229

##### Defects Found In Routine Grade 1 Examinations

History of repeated Eczema, Asthma or Hay Fever	217
Skin	301
Nutrition	231
Speech	108
Ears	218
Eyes	313
Nose	91
Throat	390





Teeth	1,821
Glands (lymph)	175
Glands (endocrine)	10
Heart	347
Respiratory	109
Abdomen - hernia	57
- gastro-intestinal	15
- urinary	24
- genital	97
Ortho - posture	127
- feet	786
- other	87
Nervous System	64
Mental Health	68
Urine	8
Hemoglobin	110

Consultations - 434; first-aid administered - 85.

Number of children examined whose parents were present - 6,161.

School Children Examined <u>at City Hall</u>	49
Referred to family physician	31
Free Glasses provided	31
Hearing Threshold Tests	250
Showing Hearing Loss	110
Referred to Ear Specialist	77

## II. Nurses' Report

Nurses' inspections	42,472
No. of Vision Tests	54,726
Referred re Vision	6,356
No. of Audiometer Tests	8,462
Referred re Hearing	369
No. of Dental Inspections	30,836
Requiring Dental Treatment	8,678
Referred to Senior Medical Officer	373
Referred to Family Physician	3,395
First-aid	17,044
Exclusions	2,613
Telephone Calls	22,289

### Conferences With:

Doctors	1,272
Teachers	21,353
Parents	8,409
Students	35,372
Supervisors	2,043
Other Agencies	827

### Visits:

School Children	5,232
TB Contacts	124
Acute Communicable Disease	149
Investigation Re Complaint	71





Tests Performed:

Glucose Tests 6,568  
No. Positive 8

Meetings:

Attended 1,118  
Addressed 187

SCHOOL TUBERCULIN TESTS - GRADE 1

No. of Grade 1 Pupils in Schools	Tuberculin Tests Accepted	% Accepting Tests	Tuberculin Tests Positive	% Found Positive Reactors
8,529	7,886	92.4	19	0.2

The group of 19 positive reactors includes 5 BCG.

SCHOOL TUBERCULIN TESTS - MISCELLANEOUS

(Other Ages Not Previously Tested)

Tuberculin Tests Done	Tuberculin Tests Positive	% Found Positive Reactors
242	13	5.4

The group of 13 positive reactors includes:

7 BCG (Indians)  
3 Immigrants

SCHOOL TUBERCULIN TESTS - GRADE IX

No. of Grade IX Pupils in Schools Separate & Public	Tuberculin Tests Accepted	% Accepting Tests	Tuberculin Tests Positive	% Found Positive Reactors
4,959	4,545	91.6	214	4.7

The group of 214 positive reactors includes:

9 previous positive reactors  
13 BCG  
47 Immigrants (BCG 11 + previous positive reactors 3)



## SCHOOL TUBERCULIN TESTS - GRADE X (SEPARATE SCHOOLS ONLY)

No. of Grade X Pupils	Tuberculin Tests Accepted	% Accepting Tests	Tuberculin Tests Positive	% Found Positive Reactors
626	520	83.0	36	6.9

The group of 36 positive reactors includes:

3 previous positive reactors
2 BCG
11 immigrants

## IMMUNIZATION OF SCHOOL CHILDREN

		<u>Doses</u>	<u>Completed</u>
Diphtheria		2,640	7,107
Pertussis		23	8
Tetanus		3,347	12,348
Salk		1,997	1,934
Sabin		5,546	6,135
TAB		577	401
Typhus		22	15
Cholera		22	13
Reaction Tests	7	Rocky Mountain Spotted Fever	10
Schick Tests	334	Smallpox, primary vaccinations	2,271
Gamma Globulin	167	Smallpox, revaccinations	8,882

## COMMUNICABLE DISEASES REPORTED FOR THE AGE GROUP 5-19 YEARS IN 1965

Aseptic Meningitis	8	Salmonella Infections	9
Diphtheria	1	Scarlet Fever	135
Diphtheria Carrier	3	Tuberculosis, Non-Pulmonary	2
Dysentery, Bacillary	4	Tuberculosis, Pulmonary	1
Infectious Hepatitis	73	Whooping Cough	41
Measles	2,125		
Rubella	558		

Our Department this year has provided supervisonal field observation for students as follows:-

<u>Nursing or Other School</u>	<u>Students</u>	<u>Time Each</u>	<u>Total Time</u>
Calgary General Hospital	94	1 day	94
Holy Cross Hospital	22	$\frac{1}{2}$ day	11
University of Alberta			
Public Health Nursing	7	14	98
University of Alberta			
Dental Hygiene	2	10	20
<b>Total</b>	<b>125</b>		<b>223</b>





In concluding this report I wish to express sincere appreciation for the assistance and co-operation of the many persons and agencies with whom we work. We are especially appreciative of the willing work of our staff and of the guidance and interest of our Medical Officer of Health.

Respectfully submitted,

Agnes E. O'Neil, M.D., D.P.H.,  
Assistant Medical Officer of Health.





Dr. L. C. Allan,  
Medical Officer of Health,  
Health Department,  
City of Calgary.

Dear Sir:

It is with pleasure that I submit the report of the Dental Division for the year 1965.

During the year the Premier of the Province announced that legislation would be introduced at the next session of the legislature to enable local authorities to fluoridate drinking water supplies if a simple majority favoured that measure in the area. It is hoped that this legislation will pass and that this long delayed preventive measure will at last be made available to the children who will be the future leaders and citizens of this City and Province.

As of September applicants for treatment are requested to produce documentary evidence that the combined family taxable income for the previous year did not exceed \$500.00. This would mean that a man and wife with one child could earn up to approximately \$3,000.00 and still would be eligible to have the child treated at a City Dental Clinic.

Preventive services, which are becoming more and more the primary function of our Division, are available, without a means test, to all preschool children and Grade I children. Topical fluoride application ("painting") is available to all preschool and Grade I children. Parents should see that all children in this category use this service.

As you are aware, dental inspections are done on all Grade II and Grade III children by the Public Health Nurses. Dental inspections are performed on the Grade I children by the School Medical Officer at the time of the school medical examination. Referral slips are sent home in most cases advising the parents to consult the family dentist. The Dental Hygienists may visit the schools of both the Public and Separate Systems on an invitational basis. Their services in the schools are limited to teacher consultation and direct classroom teaching. It would be preferable, of course, if the hygienists could perform all their services in the schools, but a simple exercise in mental arithmetic should convince the majority of people that it is simply impractical even to contemplate such a move until an adequate supply of hygienists are made available.

However, in spite of the lack of sufficient numbers of Hygienists, our Division did endeavour to carry out an educational programme in both the School Systems. It is to be hoped that from this modest start the presence of the Dental Hygienist in the classroom will become a regular and more frequent event. Sixty schools were visited by the Dental Hygienists under this programme.

It should be borne in mind that families in the \$500.00 taxable income bracket may not be able to provide dental services for their children over Grade III. I do feel that the Dental Division should make provision to examine for and correct any defects in those children until at least that child





is in a position to provide these services for himself. I would suggest that initially the age limit could be raised so that all children up to and including Grade VI should have access to our Clinics for full treatment services, providing, of course, that the family can satisfy the means test. Provision should, of course, be made for older pupils as is done at the moment.

Staffing is generally a problem in any Dental Clinic; Calgary is no exception. It is time that responsible leaders took a long, close look at this problem. Is money involved? I do think that one could be justified in saying "yes" to that question, especially when one looks at the simple fact that there is a \$5,000.00 differential between what dentists receive in most Dental Clinics and what they would receive for equal services in the field of private endeavour. It could, I believe, be legitimately argued that administrators are using depression years' thinking when computing their values they are placing on the so-called security aspect of civic or civil service positions. It could be further argued that the seeming perpetuation of this reasoning is not in line with sound planning and it does make it extremely difficult, if not impossible, for supervisors to recruit and retain competent, energetic staff.

In the field of Dental Hygiene we are now at the crossroads. Civic Government and Provincial Government will have to realize that if programmes are to be carried out, staff must be available. The present system of bursary assistance and the reluctant return in service may have been acceptable to start with, but if salaries and working conditions are not on the same level and maintained at the levels that are available elsewhere, then we are going to end up in the same position as we now find ourselves in the Dental Field. We have been fortunate in obtaining the services of Hygienists. Mrs. Reece was with us full time for the year. Mrs. Platt returned to University to obtain her B.Ed. degree and was engaged part time by our Division. Mrs. Watson resigned as of September 1965. Miss Perkins, a 1965 graduate, joined our staff on a full-time basis as of June 1965. Miss Logie resigned as of September 1965 to return to University.

Dentists on staff during the year were Drs. Willey, Dey, Moffatt and Keith. Dr. Turner came on staff in February 1965 and retired as of the end of July 1965. Dr. De Ridder came on staff on a full-time basis as of August 1st, 1965.

I would like to take this opportunity to thank you, Sir, for your help during the year. I would also like to thank all the other members of the Health Department for their help and co-operation during the year.

A summary of work performed in the Dental Clinics is set out as follows-1964 figures are given for comparison.

Respectfully submitted,

T. M. Curry, B.D.S., D.D.S., D.D.P.H.,  
Director of Dental Services.





TABLE NO. I  
SCHOOL DENTAL CLINIC STATISTICS

	<u>1965</u>	<u>1964</u>
Total Extractions	1,058	1,705
Permanent	115	139
Deciduous	943	1,566
Total Fillings	5,288	4,703
Permanent	2,485	2,266
Deciduous	2,803	2,437
Miscellaneous Procedures	8,365	9,904
Bases	4,437	4,911
Prophylaxis	2,780	3,588
X-Rays	664	699
Periodontal Treatment	22	315
Crowns	357	261
Space Maintainers	92	77
Ortho Appliances	13	53
Number of Teeth Treated	6,703	6,687
Permanent	2,600	2,411
Deciduous	4,103	4,276
Clinic Cases	6,956	8,431
Completed	3,538	4,325
Unfinished	3,418	4,106
Fluoride Applications	2,778	3,431
Parent & Child Education	6,768	8,143
Emergency Treatments	110	230
Examinations	2,827	1,425
Appointments Paying	6,795	8,290
Appointments Free	161	141
Missed Appointments (Paying)	177	260
Missed Appointments (Free)	11	6





TABLE NO. II  
PRE-SCHOOL DENTAL CLINIC STATISTICS

	<u>1965</u>	<u>1964</u>
Total Extractions	495	537
Permanent	3	6
Deciduous	492	531
Total Fillings	3,338	2,681
Permanent	290	182
Deciduous	3,048	2,499
Miscellaneous Procedures	9,040	8,618
Bases	2,980	3,064
Prophylaxis	5,032	4,281
X-Rays	487	587
Periodontal Treatment	40	114
Crowns	428	375
Space Maintainers	69	45
Ortho Appliances	4	152
Number of Teeth Treated	4,261	3,573
Permanent	293	184
Deciduous	3,968	3,389
Clinic Cases	8,052	6,630
Completed	5,685	4,280
Unfinished	2,367	2,350
Fluoride Applications	5,032	3,550
Parent & Child Application	7,898	6,106
Emergency Treatments	177	192
Examinations	5,150	835
Appointments (paying)	7,976	6,550
Appointments (Free)	76	80
Missed Appointments (Paying)	144	134
Missed Appointments (Free)	10	16



Dr. Leslie C. Allan,  
Medical Officer of Health,  
City of Calgary.

Dear Dr. Allan:

It is with pleasure that I submit the Nursing Service Report for the year ending February 28th, 1966.

The Chest Clinic, located in the Health Department of the City Hall, is financed by the Christmas Seal Sale. Supervision is received from the Medical Officer of Health, the Provincial Director of Tuberculosis Control and the Superintendent of the Sanatorium.

The following statistical report covers the work of two Nurses.

Home Visits . . . . . 1,280 Other Visits . . . . . 114

Clinic Attendance . . . . . 2,468 Streptomycin Injections . . . . 416

Tuberculin Tests:

1. At home, at work, etc.	Total	Positive
(a) Nursing Aides (before and after BCG)	834	259
(b) Contacts at Home	7	0
(c) Staff Contacts at work	38	8
(d) Kinsmen Club	103	8
	<u>982</u>	<u>275</u>
2. In the Office . . . . .	<u>1,678</u>	<u>293</u>
Total Tuberculin Tests	<u><u>2,660</u></u>	<u><u>568</u></u>

The number of new active cases discovered in Calgary for 1965 reached 10.6 per 100,000 population, continuing a gradual decrease each year. In ten years of tuberculin testing Grade X at school, the percentage of positive reactors decreased from 8.2% to 4.8%, and in five years of testing Grade I, the percentage of positive reactors dropped from 0.98% to 0.2%.

One must question if the decrease in the number of new active cases is due to lack of discovery and, of course, we must realize that any day a pocket of infection may be discovered to greatly increase this number. However, the decrease in the percentage of positive reactors in the school population would lend support to the belief that there are not too many undetected cases at large in the community.

The discovery of new cases will become more difficult with more and more examinations producing less returns for the money and energy expended. Any



Dr. William D. Allen  
 National Institute of Health  
 Department of Health

Dear Dr. Allen:

It is with pleasure that I submit the following report for the year ending December 31, 1955.

The United States, located in the North American continent, has a population of approximately 150,000,000. The Government of the United States is a federal republic, and the President is the head of the executive branch. The Congress is the legislative branch, and the Supreme Court is the judicial branch.

The following statistical report covers the year 1955:

Population . . . . . 150,000,000  
 Area . . . . . 3,797,000 square miles

Estimated 1955:

1. 40 years, or more, age

Age	Percentage
Under 15	25.0
15-24	15.0
25-34	12.0
35-44	10.0
45-54	8.0
55-64	6.0
65-74	4.0
75-84	2.0
85 and over	1.0
Total	100.0

Age	Percentage
Under 15	25.0
15-24	15.0
25-34	12.0
35-44	10.0
45-54	8.0
55-64	6.0
65-74	4.0
75-84	2.0
85 and over	1.0
Total	100.0

The number of new cases of disease in 1955 was 1,000,000. The number of deaths was 500,000. The percentage of population under 15 was 25.0%. The percentage of population 65 and over was 10.0%. The percentage of population 75 and over was 4.0%.

The total population of the United States in 1955 was 150,000,000. The total area was 3,797,000 square miles. The total number of new cases of disease was 1,000,000. The total number of deaths was 500,000.

The following statistical report covers the year 1955. The population of the United States was 150,000,000. The area was 3,797,000 square miles. The number of new cases of disease was 1,000,000. The number of deaths was 500,000.

lack of interest on our part, or lack of finances curtailing the programme, would be disastrous. Without adequate follow-up there would be increasing outbreaks of disease. We must continue with health teaching, ideally conducted in the home. We must persuade the patients to continue with drug treatment for the prescribed time and to report for regular x-ray examinations. We must assure that all contacts are examined. There is a growing indifference from all groups to report for review examination.

The school tuberculin testing programme is also of educational value, with many families reached through the follow-up of the reactor. The addition of 200 to 300 names each year to the reactors of previous years gives us another large group requiring follow-up x-ray. Liaison between the Public Health Nurses, the Central Registry and the Sanatorium is essential.

The patient with a long-term illness is concerned for the family welfare. The Nurse visiting at the time of diagnosis may greatly relieve this concern. Consultation with the Rehabilitation Counsellor at the Sanatorium is of value and referral and co-operation with the Welfare Department and other agencies is necessary.

We are most grateful for the guidance received from you and the wonderful co-operation from all the members of the Health Department.

Very sincerely,

IRENE H. WALTON,  
Nurse-in-Charge.





Dr. Leslie C. Allan,  
Medical Officer of Health,  
City of Calgary.

Dear Sir:

We have the pleasure of reporting to you the activities of the Chest X-Ray Clinic for the year 1965.

The Unit is operated in co-operation with the City of Calgary Health Department and the Provincial Department of Public Health. It is sponsored by the Alberta Tuberculosis Association and is financed by the Sale of Christmas Seals.

While we have our continuing programmes of pre-employment x-rays as well as our biannual industrial surveys, it is regrettable to note that there is no significant increase in Clinic attendance.

The complete statistical summary for the stationary unit of the Civic Administration Building follows:

Month	Total Attendance	Probable TB		Other Abnormalities			Total Abnormalities
		Active	Inactive	Non-TB Conditions	Further Exam Requested	Pleurisy Inactive	
January	1,195		47	12	9	34	102
February	1,218		28	13	14	14	69
March	853		23	10	5	9	47
April	1,080		22	12	7	21	62
May	1,309		35	18	11	22	86
June	1,013		38	15	6	20	79
July	127		2	2	1	4	9
August	864		32	13	14	2	61
September	1,087		28	18	7	11	64
October	937		27	22	14	17	80
November	957		56	11	15	24	106
December	657		22	7	8	13	50
Total	11,297		360	153	111	191	815



In addition to the City Hall Unit the Alberta Tuberculosis Association operated a Mobile Chest X-Ray and Tuberculin Testing Unit in the City for the months of January, February and March.

The summary is as follows:

CALGARY 1965	X-RAYED	PROB. TB		PROB. NEOPLASM	FURTHER EXAM REQUIRED	PLEURISY		OTHER ABNORMALITIES
		ACTIVE	INACTIVE			ACTIVE	INACTIVE	
Jan. & Feb.	9,982	-	45 (24R)	-	44	-	20	-
March	3,660	-	11 ( 9R)	1	12	-	29 (3R)	6
Moved to Country								
December	<u>1,314</u>	-	<u>6 ( R)</u>	-	<u>4</u>	-	<u>3</u>	<u>16</u>
<u>TOTAL</u>	<u>14,956</u>		<u>62</u>	<u>1</u>	<u>60</u>		<u>52</u>	<u>22</u>

<u>CALGARY 1965</u>	<u>TUBERCULIN TESTED</u>	<u>POSITIVE REACTORS</u>	<u>REACTORS UNDER 25</u>
Jan. & Feb.	9,558	-	-
	3,574	1,424	80
Moved to Country			
December	<u>1,252</u>	<u>-</u>	<u>9</u>
<u>TOTAL</u>	<u>14,384</u>	<u>1,424</u>	<u>89</u>

We wish to thank you and the City Health Department and the Provincial Department of Public Health for the co-operation and direction for the past year.

Respectfully submitted,

M. S. Holme, Technician,  
Alberta Tuberculosis Ass'n.,  
Chest X-Ray Clinic,  
City Hall.





VICTORIAN ORDER OF NURSES, CALGARY BRANCH

DISTRICT DIRECTOR'S REPORT FOR 1965

Mr. Chairman, Ladies and Gentlemen:

It is my privilege and pleasure to present to you, on behalf of the staff, a report of the Nursing Service in 1965.

The provision of skilled nursing care at home on a part-time basis is still the basic service of the Victorian Order. The philosophy, that where a branch of the Victorian Order is established service is available to persons of any age, creed or financial status, has remained unchanged since the Order was founded.

During the past year 21,726 visits were made to 2,487 citizens of Calgary. 79.1% of these visits were for nursing care and 20.9% were for health supervision. Of the 16,294 nursing care visits made to adult patients, that is anyone over the age of 16, 10,151 or 62.2% were to patients over 70 years of age. There will be more about the aged later in this report.

Five years ago when I gave my first Annual Report of the Calgary Branch, our referral programme at the Calgary General was barely a year old. Now, we have one at the Holy Cross, have completed plans for one to begin at the Foothills Hospital as soon as it opens in May and are anticipating having a similar one at Rockyview later this year. To develop a good referral programme, it takes time, patience, ingenuity and a recognition of the need to constantly interpret ours and other community agencies services. During 1965, 151 patients from the Calgary General and 94 patients from the Holy Cross were referred to us for care. Once a month, a Nurse has attended the cleft palate clinic at the Alberta Children's Hospital. We are hoping that we will attend other clinics, such as the orthopedic, and as soon as the expansion programme is completed have a regular referral programme there.

Since September, we have provided counselling and health teaching for children at the Wood's Christian Home. The programme has been planned in order to determine the need for nursing service for children in the home. The trial period was for three or four months and an evaluation report has been prepared. It has not been determined yet whether this programme will continue.

Two sessions of Education for Parenthood have been conducted with 13 couples attending. For the first session we had an advertisement in the paper, but since that time this has not been necessary. From the number of requests that we receive, it would appear that the number of sessions will have to increase.

One of the objectives of the Order is to "assist in the preparation of Nurses for Public Health Nursing". This objective, we believe, has been accomplished in no small measure. It is suggested by our National Office that a Staff Nurse should act as a field guide for approximately 20 working days a year. This would be 180-200 days for our staff. In 1965 our Nurses had students or observers for over 300 days. Five post graduate students from the University of Alberta and three from the University of Saskatchewan had two-three weeks field





experience with us; 89 students from the Holy Cross or Calgary General observed for two days and 20 Head Nurses or clinical instructors observed for one day.

As you look over this service report and study the statistical report, you will realize that each Staff Nurse and each Relief Nurse has contributed her own unique efforts in the service given to our patients and our agency's participation in community affairs.

To all members of the Nursing Staff and Mrs. Charette, I wish to express my personal gratitude for their unfailing support and their willing acceptance of many extra demands which have been made upon them during the year.

In the early development of the Victorian Order, our service was weighted heavily with maternal and child care visits. Since the late 1940's service to the aged and to patients with long term illness has claimed an ever-increasing amount of Nursing time. In the Calgary Branch we had 43 home deliveries in 1945 and only one in 1965.

We are not the only agency, institute or business which has been reporting this changing trend. Problems of financial independence, housing, retirement and maintenance of health have aroused public interest. It was public interest of these problems which stimulated the first Conference on Aging which was held in Toronto this year. The Victorian Order of Nurses (Alberta Branch) and the Calgary Branch made it possible for me to attend. Participants at the Conference came from all parts of Canada with several speakers and representatives from the United States, England and France. One of the objectives was to bring people from varied professions and groups together in order that some consideration could be given to programmes already in existence and to discuss and to develop others. One only had to attend an Interest group session to realize that no one discipline of health or welfare can work alone. Present were Doctors, Dentists, Nutritionists, Church Workers, Public Relations Officers, Administration Representatives, Architects, Economists, Social Workers and Nurses, all with an interest in their own work.

Naturally, the V.O.N.'s main interest is in Health Care Services. No other worker in any agency or institution is as close to the individuals under care as the V.O.N. We see the relationships of families to medical care, to schools, to church and religion, to business, industry and retirement. By the very nature of our work we are in a preferred position and have the responsibility of helping people to prepare for their senior years and to interpret the needs of the aged people who are under our care. We were told at the Conference that: "There are no problems of people over 65 except those imposed by retirement that are not also the problems of all other groups."

Out of the Conference will come many new programmes and social changes. Some of these will take longer to be initiated than others. If the V.O.N. truly believes in the statement that each individual should be encouraged "to do as much as he can, as well as he can, for as long as he can", the Board Members and staff can become involved immediately.





First of all, we can no longer look upon the elderly as an adult who is "over the hill" but an individual who has a role and can function in our Society. To become interested in hobbies during middle age is not sufficient but it will be necessary that each has a complete re-education of his mental attitudes. We must learn to live with ourselves, value our leisure and regard old age as an age of fulfillment and happiness.

Secondly, what do we want for our old people and for ourselves in the future? Father Guillemette, Director of the University of Montreal Institute on Gerontology suggests that when arriving at policies and determining programmes three concepts have to be considered:

1. That the elderly must be thought of as full citizens of the country, they must share in the wealth of this country in fair balance between their talents and needs, just as all other sections of society do.
2. That it must be acknowledged that the elderly, like any other citizens, have the primary responsibility for their own lives and for the material, intellectual, and spiritual ordering of their lives.
3. That the elderly, although they are full citizens and free, are nevertheless in a special position which makes them more dependent than others on services which supplement their own resources.

When policies are being formulated, we as interested citizens have an obligation to interpret to "them", the Government, the health needs of the people under our care.

Thirdly, it is generally agreed that our aim should be to keep the elderly person in his own home as long as possible. In order to do this, financial security must be assured, housing must be adapted to the physical capacity and proportionate in cost to their income, society must integrate them into social groups and health care should include not only rehabilitation and treatment but also prevention.

When health services were discussed, organized home care was the one programme that most people felt we could not live without. I believe that organized home care is inevitable in Calgary and Alberta. The Victorian Order has given leadership in the development of this programme in other parts of Canada. Whether we are assigned the leadership role in Alberta or not should not concern us too greatly. We can and will be an active participant and without a doubt provide the home nursing.

In conclusion, I would like to express our appreciation to allied community agencies, to the Lion's and Samaritan Clubs, to the news media, to all groups and individuals who have so generously given of their interest and financial assistance. A special word of appreciation to the United Fund without whose support our services would not be possible. In 1965, 42.6% of the income was our United Fund allotment.





Miss Swinton's and our National Office guidance and wise counsel is invaluable.

As much as we believe in the value of the work of the Victorian Order, we realize that without the support and guidance of our Board of Management, we could not serve this community. To our President, Mr. Horne, and the other Board members, all of us owe a sincere vote of thanks for the many hours of work and interest and efforts expended on behalf of the staff and those we are privileged to serve.

Respectfully submitted,

Eleanor MacDougall,  
District Director.





VICTORIAN ORDER OF NURSES

SERVICE STATISTICS

	<u>Nursing Care</u>			<u>Health Instruction</u>		
	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>
Prenatal	14	2	-	67	66	81
Postnatal	36	19	32	1,194	1,143	1,298
Newborn	568	333	436	2,105	2,245	2,635
Infant	123	33	32	323	198	212
Preschool	44	31	65	10	49	86
School Age	341	339	328	9	22	47
Adult	<u>16,737</u>	<u>16,843</u>	<u>16,294</u>			
Total	<u>17,763</u>	<u>17,600</u>	<u>17,187</u>	<u>3,708</u>	<u>3,723</u>	<u>4,359</u>

Total Visits

	<u>1963</u>	<u>1964</u>	<u>1965</u>
Nursing Care	17,763	17,600	17,187
Health Instruction	3,708	3,723	4,359
Patient Not Seen	125	130	112
On Behalf of Patient	26	21	63
False Calls	3	-	-
Home Deliveries (1 = 5)	<u>5</u>	<u>10</u>	<u>5</u>
Total	<u>21,630</u>	<u>21,484</u>	<u>21,726</u>

Number of Patients Visited

	<u>1963</u>	<u>1964</u>	<u>1965</u>
Prenatal	16	18	16
Postnatal	673	639	731
Newborn	706	677	765
Infant	60	34	55
Preschool	11	20	22
School Age	15	10	15
Adult	<u>867</u>	<u>903</u>	<u>883</u>
	<u>2,348</u>	<u>2,301</u>	<u>2,487</u>

Pay Status of Visits

	<u>1963</u>	<u>1964</u>	<u>1965</u>	
Full	4,029	3,637	3,550	16.5%
Part	5,642	5,279	4,775	20.7
Free	8,361	7,654	6,624	30.4
No Charge	3,413	3,253	3,870	17.8
Insurance	41	-	6	.5
Government	134	1,638	2,894	13.3
Contract	<u>10</u>	<u>23</u>	<u>7</u>	<u>.5</u>
	<u>21,630</u>	<u>21,484</u>	<u>21,726</u>	<u>100.0%</u>



FINANCIAL STATEMENT

HEALTH

	<u>1965</u>	<u>1964</u>
<u>ADMINISTRATION DIVISION</u>		
Salaries	\$ 50,477.69	\$ 48,041.60
Travel Expense	120.60	100.10
Private Car Allowances	600.00	600.00
Equipment Maintenance	238.78	198.53
Printing, Stationery & Office Supplies	1,231.08	1,927.28
Janitorial & Housekeeping Supplies	40.27	40.02
Sundries	103.20	260.43
Furniture & Furnishings	393.12	545.39
Payment to Mountview Health Unit		4,618.53
	<u>\$ 53,204.74</u>	<u>\$ 56,331.93</u>

SCHOOL MEDICAL SERVICES DIVISION

Salaries	\$179,600.55	\$186,939.84 *
Travel Expense	607.45	227.00
Private Car Allowances	4,216.80	4,147.50
Passenger Car Rentals	3,835.90	3,818.70
Employees' Transit Tickets and Passes	3,250.21	2,981.70
Equipment Maintenance	185.39	145.76
Printing, Stationery & Office Supplies	2,923.89	2,759.07
Medical Supplies	3,278.65	5,515.21
Sundries	707.78	769.17
Medical Equipment	421.93	685.90
Contribution to Capital - New Vehicle	664.00	1,643.32
Furniture & Furnishings	165.36	225.25
Glasses for Underprivileged Children	675.70	658.15
Staff Development & Training	15.00	70.00
Remuneration for Services	<u>21,346.04</u>	<u>(incl. *)</u>
	<u>\$221,894.65</u>	<u>\$210,586.57</u>

SCHOOL & PRE-SCHOOL DENTAL SERVICES DIVISION

Salaries	\$ 99,195.44	\$ 89,668.25
Travel Expense	161.50	270.00
Private Car Allowances	480.00	480.00
Employees' Transit Tickets & Passes		50.00
Maintenance of Equipment	146.76	225.12
Laundry Service	1,771.44	1,659.56
Printing, Stationery & Office Supplies	705.39	774.98
Dental Supplies	6,815.61	7,291.14
Sundries	317.75	102.66
Dental Equipment	447.20	454.82
Furniture & Furnishings		240.69
	<u>\$110,041.09</u>	<u>\$101,217.22</u>





	<u>1965</u>	<u>1964</u>
<u>INFANT &amp; PRE-SCHOOL CLINICS DIVISION</u>		
Salaries	\$179,600.55	\$167,213.62
Private Car Allowances	4,249.04	4,128.86
Passenger Car Rentals	3,802.00	3,804.45
Employees' Transit Tickets & Passes	3,199.16	2,935.03
Printing, Stationery & Office Supplies	497.16	681.76
Medical Supplies	-	88.43
Sundries	412.42	896.56
Contribution to Capital - New Vehicle	663.58	1,643.32
Furniture & Furnishings	594.87	397.60
	<u>\$193,018.78</u>	<u>\$181,789.63</u>

GENERAL HEALTH SERVICES DIVISION

Salaries	\$ 8,498.36	\$ 8,632.06
Employees' Transit Tickets & Passes	160.00	160.00
Equipment Maintenance	18.87	-
Printing, Stationery & Office Supplies	197.40	245.89
Medical Supplies	-	39.66
Sundries	.48	69.84
Drugs & Sera	711.34	581.47
Chemicals	241.35	222.81
Furniture & Furnishings	283.60	68.98
Milk for Sickly & Undernourished	1,299.61	1,234.98
Special Health Programmes	<u>2,056.09</u>	<u>1,549.41</u>
	<u>\$ 13,467.10</u>	<u>\$ 12,805.10</u>

INSPECTION SERVICES DIVISION

Salaries	\$122,183.39	\$122,604.68
Travel Expense	499.73	223.20
Private Car Allowances	9,630.00	8,504.08
Passenger Car Rentals	3,670.80	3,990.80
Employees' Transit Tickets & Passes	769.47	560.02
Equipment Maintenance	519.04	188.36
Laundry Service	137.70	136.42
Milk Inspection	1,437.03	864.67
Meat Inspection	4,034.74	118.51
Fly & Insect Control	9,966.36	9,595.31
Pigeon Control Programme	480.00	482.85
Printing, Stationery & Office Supplies	394.34	743.36
Laboratory Supplies	1,571.00	1,365.27
Sundries	316.14	192.30
Laboratory Equipment	823.63	1,266.17
Furniture & Furnishings	174.72	39.78
New Vehicle Replacement	-	1,643.32
Staff Development & Training	<u>240.00</u>	<u>226.99</u>
	<u>\$156,848.09</u>	<u>\$152,746.09</u>





HEALTH CENTRES MAINTENANCE DIVISION

	<u>1965</u>	<u>1964</u>
Buildings and Property Rentals	\$ 840.00	\$ 840.00
Buildings and Property Maintenance	1,044.68	1,400.96
Equipment Maintenance	108.48	123.54
Utilities	2,443.17	2,464.38
Telephones & Telegrams	1,280.25	1,181.20
Janitorial Service	4,210.92	3,932.51
Laundry Service	1,239.72	797.54
Janitorial & Housekeeping Supplies	496.61	540.18
Sundries	7.63	88.01
Grounds Development	-	2,745.44
	<u>\$ 11,671.46</u>	<u>\$ 14,113.76</u>

SUMMARY

Administration Division	\$ 53,204.74	\$ 56,331.93
School Medical Services Division	221,894.65	210,586.57
School & Pre-School Dental Services Division	110,041.09	101,217.22
Infant & Pre-School Clinics Division	193,018.78	181,789.63
General Health Services Division	13,467.10	12,805.10
Inspection Services Division	156,848.09	152,746.09
Health Centres Maintenance Division	<u>11,671.46</u>	<u>14,113.76</u>
	<u>\$760,145.91</u>	<u>\$729,590.30</u>

Less:-

Fees, Charges Recovered, Misc. Sales	\$ 19,503.30	\$ 20,870.62
Provincial Government Grant	<u>232,279.50</u>	<u>169,231.20</u>
	<u>\$508,363.11</u>	<u>\$539,488.48</u>

Population	311,116	294,924
Per Capita Expenditure	1.63	1.83
Per Capita Expenditure Without Consideration of Grants	2.38	2.40

HEALTH CENTER MAINTENANCE DIVISION

1982	1981	
440.00	87.00	Buildings and Property Division
1,407.78	1,407.78	Buildings and Property Division
127.00	127.00	Equipment Maintenance
2,004.70	2,004.70	Utilities
1,101.20	1,101.20	Telephone & Telegraph
1,977.21	1,977.21	Contracted Service
197.22	1,298.7	Laundry Service
249.12	670.81	Contracted & Licensed Shop Supplies
50.01	7.07	Stationery
8,702.72	-	Program Development
<u>13,117.78</u>	<u>8,117.78</u>	

HEALTH DIV

1982	1981	
2,20,211.92	2,20,211.92	Health Services Division
210,200.21	210,200.21	School Health Services Division
101,211.02	101,211.02	Health & Family Planning Services Division
142,207.82	142,207.82	Health & Family Planning Services Division
12,202.70	12,202.70	Health & Family Planning Services Division
122,200.20	122,200.20	Health & Family Planning Services Division
10,212.70	10,212.70	Health & Family Planning Services Division
<u>872,200.20</u>	<u>872,200.20</u>	

LABOR

1982	1981	
2,20,211.92	2,20,211.92	Health Services Division
122,200.20	122,200.20	Health & Family Planning Services Division
<u>342,412.12</u>	<u>342,412.12</u>	
204,932	211,118	Legislation
1.72	1.82	For Capital Expenditures
1.82	1.72	For Capital Expenditures





