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Contributors

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CITY OF WINNIPEG

HEALTH DEPARTMENT



ANNUAL REPORT

of the Medical Health Officer

Year 1961

R.G. Cadham, M.D., D.P.H.

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CITY HEALTH DEPARTMENT

Winnipeg, 1962.

Chairman and Members, Committee on Public Health and Welfare.

Mesdames and Gentlemen:

I have the honour to present the annual report and the financial statement of the Health Department for the year 1961.

The City Health Department experienced a very progressive year, and essentially a healthy one for the citizens, being marred only by a minor outbreak of Diphtheria, an increase in the incidence of Infectious Hepatitis, and the continued rise in the deaths from Lung Cancer.

Eleven cases of Diphtheria were reported with one death occurring among this group. This death occurred in a young girl with a congenital heart lesion and the cause of death was due to a Diphtheritic Myocarditis. The mother had always considered this child to be in delicate health and for this reason had never felt that the child could withstand the common immunization procedures - hence the child was never immunized. All of the Diphtheria cases occurred in a very restricted and depressed area of the City, and only one of these cases had received immunization although a monthly immunization clinic is held in close proximity to this area. The failure to have these children immunized occurred despite repeated visits by the Public Health Nurse in the area to urge immunization.

223 cases of Infectious Hepatitis (1960 - 145) were reported, which is the largest number to ever occur in Winnipeg, but it is not out of line with the marked increase of this disease all over the continent in the past decade. All household contacts to each case of Infectious Hepatitis were given appropriate prophylactic doses of Gamma Globulin, and to our knowledge no case of Infectious Hepatitis developed in any individual who had received Gamma Globulin.

We were fortunate to experience another year entirely free from Poliomyelitis. Only one case of Polia has been reported in the last three years and that one case occurred in December of 1960. 35 cases of Scarlet Fever were reported during the year. The tremendous progress made in the control of Tuberculosis is depicted in the lowest death rate to ever be recorded, being 3.8 per 100,000 population. Last year the death rate was 6.3 per 100,000 population.

Cancer of the Lung continued its startling increase and is cause for grave concern. There were 88 deaths from this disease, compared to 38 deaths in 1952. The Health Department continued with its anti-smoking educational campaign directed at certain levels of the school population. One of the outstanding players of the famous Winnipeg Blue Bombers assisted in this anti-smoking campaign. Cancer of the Lung is now considered to be

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largely a preventable disease, and it is unfortunate the senior levels of government do not initiate action to prohibit the encouragement of our population to smoke cigarettes which is offered through the various advertising media, in particular television.

For many years overcrowding in Nursing Homes, particularly with bedridden patients occupying the second floor of the older type Nursing Homes, has been a constant worry to the Fire Department and ourselves. With the conversion of the St. Boniface Sanatorium into an institution for the chronically ill (184 beds), we moved all complete bed patients who were occupying a bed on the second floor of a Nursing Home to the St. Boniface Sanatorium, and the Welfare Institutional By-Law was amended to prohibit placing patients who are completely confined to bed above the first floor level in any Nursing Home. This has resulted in a very definite improvement in the environmental conditions in Nursing Homes, and eventually we hope to amend the Welfare Institutional By-Law further to allow more space per patient.

During the year our Nursing Establishment was increased by one Public Health Nurse, and our Dental Establishment by one full time Dentist. We now have the equivalent of 5½ full time dentists working in the School Dental Services. Funds were made available to modernize the mobile dental unit. The problem of dental care for welfare recipients is still with us, but it is hoped that a solution to this problem will be found in the near future.

The Public Health Nursing Service had an extremely active year with 28,687 home visits to infants and pre-school children. Also, 30,762 pupils were referred to the nurses in the schools for various health reasons. The immunization program conducted in the Child Health Centres and in the school population continued at a very high level. The attendance at the classes for expectant mothers is continually growing and consideration will have to be given to instituting classes in the evenings.

The Child Dental Services were, as usual, extended to the limit. 3,300 children attended the dental clinic for treatment and 11,628 dental inspections were completed of children in kindergarten and Grades I and II. Such dental inspections are a very fruitful field for improving the oral hygiene of children in these age groups.

The Inspections Branch had a most satisfactory year. The introduction of a local by-law to prevent any form of incinerators by private citizens has, on the whole, been well received and has dramatically reduced the number of complaints previously received as a result of this offensive practice. The nuisance created by pigeons was again held in check with approximately 2,442 pigeons being shot by our pigeon shooter. The mandatory closing of wading pools in 1959 by the Health Department resulted in the Board of Parks and

largely a preventable disease, and it is infortunate the sealer excouragement of one furtiate ection to prohibit the encouragement of our population to smoke eigenctive thick is offered through the various advertising media, in particular television.

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Recreation introducing a continuous circulation, filtration and automatic chlorination system for all wading pools. The change in the bacterial count indicative of pollution in these pools with the introduction of this system has been nothing less than remarkable.

The Dairy Division carried out 2,797 inspections among the 829 milk producers shipping milk into Winnipeg. 52,626 various bacteriological tests were completed in the laboratory.

8,102 inspections were made by the Housing Division.
Overcrowding in dwellings, as over the past years, continued to be a most difficult problem with which to deal. After exhaustive study the Committee on Health decided not to recommend legislation which would require the registration of all rooming houses.
Instead, a house to house inspection of rooming houses was instituted and this system is bearing fruitful results.

The high standard of sanitation and hygiene in all food handling establishments was maintained and it is apparent that the introduction of the Provincial Liquor Control Act contributed to elevating the health standards of many food handling establishments. Some 12,524 inspections were made by the Food Inspectors.

The Division of Sanitation and Hygiene had a very heavy year, completing over 19,000 inspections. The nuisance created by old types of incinerators in apartment blocks built many years ago continues to be one of the main problems of this Division.

In summary, this has been a very satisfactory year, and on the following pages are recorded in detail the activities of the Health Department for the year 1961. The support of the Committee on Public Health and Welfare, as well as that of other elected representatives to the City Council has been appreciated by myself and all other members of the staff.

Respectfully submitted,

R. A. Catham.

R.G. Cadham, M.D.

Medical Health Officer.

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R.G. Cadham, M.D. Godfeer.

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COMMITTEE ON PUBLIC HEALTH AND WELFARE

Alderman E.I. Tennant, Chairman
Alderman J.V. Samson, Acting Chairman
Alderman J. Gurzon Harvey
Alderman C.H. Spence
Alderman D. Swailes
Alderman M.J. Forkin
His Worship Mayor S. Juba (ex officio)

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Medical Health Officer			٠	R.G. Cadham, M.D., D.P.H.
Deputy Medical Health Officer .				J.B. Morison, M.D., D.P.H
Assistant Medical Health Officer			٠,	J.E. Davies, M.B.B.S.
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Chief Health Inspector				E.J. Rigby, D.V.M.
Secretary				E. Singleton

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Oche. Meconomies Dispus.		 			Director of Dental Services
Miggal L.Magisqueba. Rein. Mag Prin.		 			Ofrector, Public Health, Noreing
Egg., Rigigs. D.W.M.					Chief Health Inspector
i monthible et a la		 			Secretary

HISTORY

From a Hudson's Bay Company trading post (Fort Garry) in 1870, with a population of 215, Winnipeg has grown to the size and finish of a first-class city of approximately 258,000 people. When the City was incorporated in 1873 there was a population of 1,869.

The present Health Department may be said to date from 1900 when the late Dr. A.J. Douglas was appointed the first full time Health Officer.

From 1881 to 1900 Winnipeg had a series of part time Medical Health Officers.

In 1941 amalgamation with the School Medical Services occurred and the services increased and extended to all child caring institutions in the City without distinction. This applies to Medical, Dental and Nursing Services.

The Child Health Services Board was set up to help the Department in a consultative manner, meetings being held at the call of the Chairman. This Board was replaced in 1955 by a monthly meeting of the administrative Officers of the School Board and the Health Department.

The Department has now several Branches to carry out the provisions of the Public Health Act of Manitoba, the Health By-law of the City and a number of other City By-laws.

AREA AND POPULATION

The City covers a total area of 25 square miles - land 24.27 square miles (15,723 acres), and water .73 square miles (469 acres). The density of the population is 16.3 persons per acre of land.

For statistical purposes the population for 1961 is 256,733, a small increase from 256,591 in 1960, as determined by the Assessment Commissioner. In 1961 the natural increase (live births less deaths) was 3,539.

ANASTHEM

In 18 18 76 with a population of 21% Humapas has grown to the size and finish of a directeless oft of approximately 250 000 people. When the City was incorporated in 1873 there was a population of 1.1,850.

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VITAL STATISTICS AS REGISTERED IN WINNIPEG, 1961 (Including Non-Residents)

		1961	1960
Live Births		9,439	9,390
Deaths		2,926	3,091
Stillbirths		141	106
23-1 to 1963. The care of 27.6 was			
Summary of Vital Statistic	s, Residents, 1961	a a grand	
		1961	1960
Live Births	Male	3,188	3,235
	Female TOTAL	2,917 6,105	3,046 6,281
	IOIAL	0,105	0,201
Rate per 1,000 Population		23.8	24.5
Deaths	Male	1,546	1,598
	Female	1,020 2,566	1,082
SEEDLEN TO SEEDLEN	TOTAL	2,566	2,680
Rate per 1,000 Population		10.0	10.4
Natural Increase		3,539	3,601
Infant Deaths (-1 year)	Male	82	96
ZHIAHE BEACHS (-1 year)	Female	55 137	
	TOTAL	137	<u>62</u> 158
Rate per 1,000 Live Births		22.4	25.1
Stillbirths	Male	49	57
there were 3 days a secon	Female	40	51
	Sex Undetermined TOTAL	91	109
The state of the s			
Rate per 1,000 Live Births		14.9	17.4
Puerperal Deaths		3	2
Rate per 1,000 Live Births		.5	.3

(Population - December 31, 1961 - 256,733)

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1960	1961		· · · · · · · · · · · · · · · · · · ·
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LIVE BIRTHS, RESIDENTS ONLY

In 1961 there was a total of 6,105 births occurred to Winnipeg residents, giving a rate of 23.8 per 1,000 population compared with the rate of 24.5 recorded in 1960. Boys outnumbered girls in the ratio of 1093 boys to 1,000 girls. First children accounted for 2,153 or 35.3% (35.6%). 1960 figures are in parentheses. Second children 1,617 or 26.5% (27.3%). 5,749 or 94.2% (94.7%) included the fifth child.

INFANT MORTALITY

Deaths of infants under one year of age numbered 137, giving a rate of 22.4 per 1,000 live births as compared with 25.1 in 1960. The rate of 22.4 represents a composite of a rate of 25.7 for boys and 18.9 for girls. There were 93, or 67.9% of the deaths occurred during the first week of life and of these 61, or 44.5% occurred on the first day.

The principal causes of infant deaths were (1960 figures are shown in parentheses) -- Immaturity 32 (36); Injury at birth 15 (17); Pneumonia, all forms, 15 (15); Postnatal Asphyxia and Atelectasis 13 (11); Congenital malformations 21 (25).

A detailed list of the causes of infant deaths is on pages 12 and 13 of this report.

PERINATAL MORTALITY

Perinatal deaths consist of stillbirths plus deaths under one week and the rate is expressed as a proportion of total births (live and stillborn). In 1961 there were 184 stillbirths and infant deaths under one week, which represents a rate of 29.7 per 1,000 total births. Comparative figures for 1960 show 218 perinatal deaths which represents a rate of 34.1 per 1,000 total births.

MATERNAL MORTALITY

There were 3 deaths from conditions pertaining to child bearing, giving a rate of .5 per 1,000 live births.

DEATHS

There were 2,566 deaths of Winnipeg residents in 1961 giving a rate of 10.0 per 1,000 population which is a decrease from the rate of 10.4 recorded in 1960.

Heart diseases were responsible for some 917, or 35.7% of all deaths. Cancer for 465, or 18.1%. Accidents, poisonings and violent deaths caused 145, or 5.7% of all deaths.

Our appreciation and thanks is extended to all those who co-operated with us during the year in permitting us to use the registrations of births and deaths or copies of them, and for the use of the tabulating machines.

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LIVE BIRTHS, RESIDENTS ONLY

VEAD	NUMBER OF BIRTHS	RATE PER 1,000 POPULATION	INFANT DEATHS	RATE PER 1,000 LIVE BIRTHS
YEAR	DIKINS	FORULATION	DEATHS	LIVE BIRINS
1943	4,294	18.9	197	45.9
1944	4,060	17.7	144	35.5
1945	4,210	18.2	134	31.8
1946	5,223	22.6	184	35.2
1947	5,532	23.6	193	34.7
1948	4,779	20.4	153	32.0
1949	4,968	21.2	137	27.6
950	5,045	21.1	133	26.4
951	5,254	21.9	115	21.9
1952	5,417	22.5	131	24.2
1953	5,586	23.0	166	29.7
1954	5,920	24.3	145	24.4
1955	6,016	24.2	147	24.4
1956	5,908	23.3	144	24.4
1957	6,067	23.8	180	29.7
1958	5,892	23.1	155	26.3
1959	6,023	23.4	154	25.6
1960	6,281	24.5	158	25.1
1961	6,105	23.8	137	22.4

		ORDER (OF BIRTH	H BY AC	GE OF I	MOTHER				
98593	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40 & over	Age Unknown	TOTAL	% of TOTAL
1st	1	547	992	418	135	48	12	,	2,153	35.3
2nd		157	671	485	198	86	19	1	1,617	26.5
3rd		23	283	366	249	104	26	3	1,054	17.2
4th		2	110	205	160	105	27	1	610	10.0
5th			32	96	102	63	22		315	5.2
6th & over			17	69	114	105	41		346	5.6
Unknown								10	10	.2
TOTAL	1	729	2,105	1,639	958	511	147	15	6,105	100.0

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Table Showing Number of Births, Deaths, Infant Deaths And Maternal Mortality With Rates For Winnipeg For Years 1911-1961 *

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	YEAR BIRTHS	RATE PER	DEATHS	RATE PER	DEATHS	RATE PER	MATERNAL
	1911-1915 5,369	-	2,022	11.1	813	152	35
-	1916-1920 5,695		2,177	11.5	570	104	35
6	1921-1925 5,371		1,677	8.5	415	77	25
-	1926-1930 4,527		1,777	8.7	277	61	26
	1931-1935 3,944		1,512	6.9	170	43	20
	1936-1940 3,785		1,697	7.7	138	36	17
	1941-1945 4,037		1,985	8.7	159	39	10
	1946-1950 5,200		2,035	8.7	164	31	4
	1951-1955 5,639		2,220	9.2	140	24.8	4
	1956 5,908		2,438	9.6	144	24.4	_
	1957 6,067		2,551	10.0	180	29.7	2
	1958 5,892		2,566	10.0	155	26.3	4
	1959 6,023		2,738	10.6	154	25.6	2
	1960 6,281		2,680	10.4	158	25.1	2
	1961 6, 105		2.566	10.4	137	22.4	w

Table Showing Number of Deaths and Rate Per 100,000 Population From Certain Diseases For Winnipeg For The Years 1911 to 1961 * **

1961	1960	1959	1958	1957	1956	1951-1955	1946-1950	1941-1945	1936-1940	1931-1935	1926-1930	1921-1925	1916-1920	1911-1915	YEAR
10	18	15				20									T.B.
4	7	6	7	9	5	8	14	22	24	29	42	48	72	72	Rate per 100,000 Population
1	1		-	w	2	1	4	00	11	15	37	65	135	142	4 Acute Comm. # Diseases
0.3	0.3		1	1.2	0.8	0.4	2	4	5	7	18	33	72	78	Rate per 100,000 Population
917	1005	1010	958	922	867	804	676	613	450	308	233	174	138	117	Diseases of Heart
357	391	392	375	362	341	334	291	270	205	141	115	88	73	64	Rate per 100,000 Population
465	494	482	475	413	464	412	333	324	283	268	209	178	135	87	Cancer All Forms
181	192	187	186	162	182	169	143	143	129	123	103	90	72	48	Rate Per 100,000 Population

¹⁹¹¹⁻¹⁹³⁰ include non-residents. 1931-1961 include residents only.
1911-1955 show average figures for the periods.
Measles. Scarlet Favor Dichthoria Chamber Court

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LEADING CAUSES OF DEATHS, 1961, RESIDENTS ONLY

	19	6 1		960
CAUSE OF DEATH	Number of Deaths	% of Total Deaths	Number of Deaths	% of Total Deaths
Heart Diseases (410-443)	917	35.7	1005	37.5
Malignant Neoplasms (140-205)	465	18.1	494	18.4
Vascular Lesions Affecting Central Nervous System (330-334)	295	11.5	246	9.2
Accidents, Poisonings & Violent Deaths (E800-E999)	145	5.6	143	5.3
Pneumonia (490-493)	140	5.5	162	6.0
Malformations and Diseases of Early Infancy (750-776)	123	4.8	124	4.6
Cirrhosis of Liver (581)	27	1.1	38	1.4
Diabetes Mellitus (260)	23	0.9	26	1.0
Bronchitis (500-502)	18	0.7	12	0.5
Ulcer of stomach and duodenum (540-541)	17	0.7	15	0.6
Intestinal Obstruction and Hernia (560-561, 570)	13	0.5	35	1.3
Nephritis and Nephrosis (590-594)	11	0.4	16	0.6
Pulmonary Tuberculosis (002)	10	0.4	18	0.6
Hypertension without mention of Heart (444-447)	10	0.4	12	0.5
Acute Poliomyelitis (080)	-		-	
All other causes	352	13.7	334	12.5
TOTAL	2,566	100.0	2680	100.0

Causes of Death

The following pages give particulars of the number of deaths of Winnipeg residents for the year 1961, classified according to cause, age and sex. The causes of death are coded according to the Seventh Revision of the International Lists of Diseases and Causes of Death.

		1961 000	LEADING CAUSED OF WATHE	
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c. The causes of death are coded according to the Severth Ander

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Female	2	2	1		185	9	13	2	137	-	1
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CAUSE	Pulmonary Tuberculosis (002)	Other T.B. of respiratory system (001,003-008)	Syphilis and its sequelae (020-029)	Malignant neoplasms including neoplasms of lymphatic and	(140-205)	Benign and unspecified neoplasms (210-239)	Diabetes Mellitus (260)	Anaemia (290-293)	Vascular lesions affecting central nervous system (330-334)	Nonmeningococcal Meningitis (340)	Chronic Rheumatic Heart Disease (410-416)

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Cause	Arteriosclerotic and degenerative Heart Diseases (420-422)	Other Diseases of Heart (430-434)	Hypertension with heart disease (440-443)	Total Heart Diseases (410-443)	Hypertension without mention of Heart (444-447)	Influenza (480-483)	Pneumonia (490-493)	Bronchitis (500-502)	Ulcer of stomach and duodenum (540-541)	Appendicitis (550-553)	Intestinal Obstruction and Hernia (560,561,570)

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Male	4	118	9	12	-	20	14	ω.	26
Cause	Gastritis, Duodenitis, Enteritis and Colitis, except diarrhoea of the newborn (543,571-572)	Cirrhosis of Liver (581)	Nephritis and Nephrosis (590-594)	Hyperplasia of prostate (610)	Complications of pregnancy, childbirth and the puerperium (640-652, 670-689)	Congenital malformations (750-759)	Birth Injuries, postnatal asphyxia and atelectasis (760-762)	Infections of the newborn (763-768)	orner diseases peculiar to early infancy and immaturity un- qualified (769-776)

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Cause	Male	Female	sysb 82 - 0	. Ty I bez	L - 2 yrs.	3 - 4 yrs.	5 - 14 yrs.	15 - 24 yrs.	25 - 34 yrs.	.835 - 44 yrs. 45 - 54 yrs.	. 81 y - 66	. 83y 98 - 69	. ary 97 - 07	80 - 89 yrs.	+ .azv 09	Total
Senility without mention of psychosis, Ill-defined and Unknown causes. (780-795)	80	6					1	-						00	е	17
Accidents, Poisonings and Violence (External Cause)																
Motor vehicle accidents (E810-E835)	17	00		-	-	н	6	4	-	3	3	-	7			25
All other accidents (E800-802, E840-965)	62	30	2	2	-		2	4	∞	5 14	7	3	15	12	7	92
Suicide and self-inflicted injury (E970-979)	15	∞							2	9 9	-	4	-			23
Homicide and operations of war (E980-999)	2	3	and the control of the control						-	1 1	-		-			5
Total Vielent Deaths (E800-999)	96	67	7	9	2	н	∞	8 15	5 15	5 21	16	00	24	12	7	145
All other diseases (residual)	191	125		7		6	9	7	3 11	18	28	21	102	67	16	286
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INFANT DEATHS, WINNIPEG RESIDENTS, FOR THE YEAR 1961 - BY CAUSE, AGE AND SEX

		14	State I	Personal Co.	0-7		8-14	-	15-21	22	d.	1 0	mo.	+
Code Number	Cause of Death	Total	Male	Female	Days	S	Days	D	Days	1 2	1 mo	1 3	yr.	
751	Spina Bifida and Meninoccele	7	-	3	-	-		-	-	-	4		4	-
754	Congenital malformations		•	,	•	4							7	
	Circulatory system	10	7	e	4	-	-			-			2	
750,752,753	All other congenital malformations	п	7	4	4	2	7					-	2	
192-092	Birth Injuries	15	7	00	7	00		***************************************						
762	Postnatal Asphyxia and Atelectasis	13	7	•	2	9						7		
763	Pneumonia of newborn	6	7	2	4	2			2		A	7		
164	Diarrhoea of newborn	-	7			4	-							
892	Other sepsis of newborn	1												
770	Haemolytic diseases of newborn (Erythroblastosis)	-	-	1	***************************************	-								
769,771,772	All other defined diseases of early infancy	-	-		-					,				
773	Ill-defined diseases peculiar to early infancy	14	80	9	00	9		**********************				adverse de l'exercis et et a dissipation		
911-411	Immaturity with subsidiary condition or unqualified	32	13	15	16 1	15 .	-					400000000000000000000000000000000000000	-	
	All other causes	26	19	7	7		-					81	9	
	TOTALS	137	82	55	51 4	42	5 1	3		-		22	12	- 12 -
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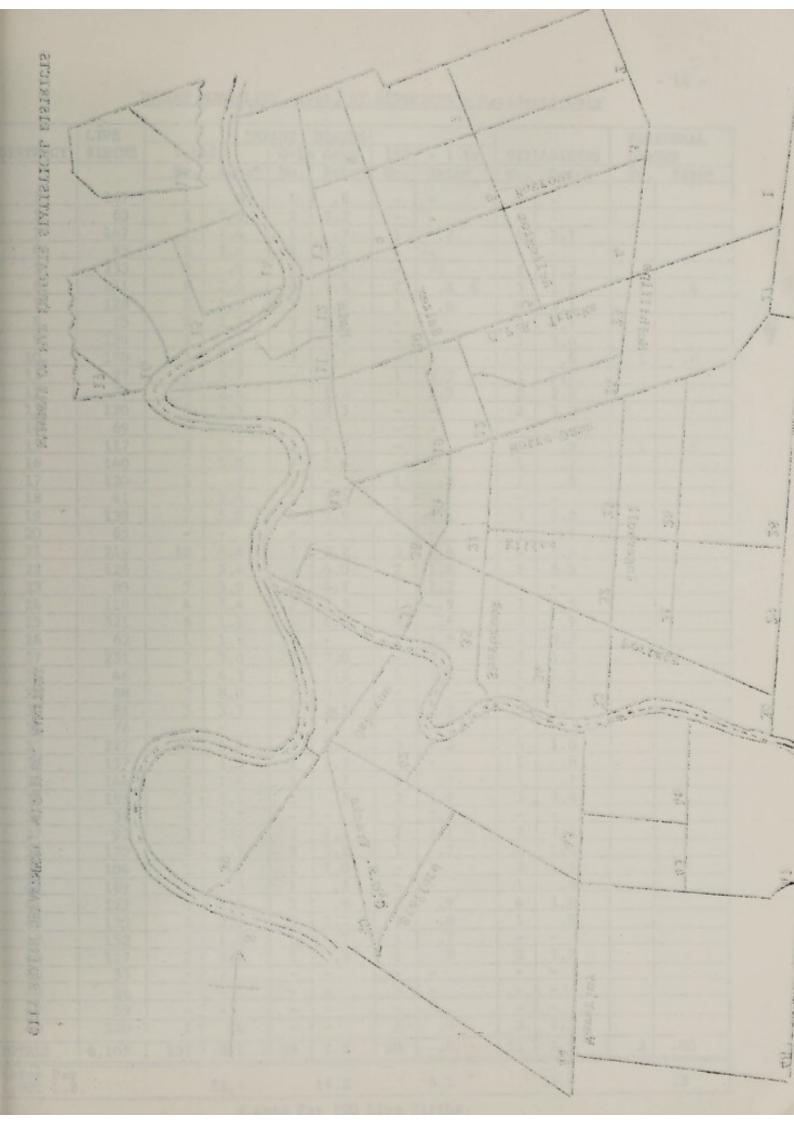
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351	Cerebral Spastic Infantile Paralysis	1	1						-	1	
414	Acute Laryngitis and Tracheitis	1	1							1	-
490	Lobar pneumonia	2	2						-	2	-
491	Bronchopnaumonia	3	2	-						2	-
492	Primary atypical pneumonia	-	1							-	
501	Bronchitis unqualified	I		1							1
526	Bronchiectasis	Г		1							1
541.1	Ulcer of Duodenum with perforation	I		1							1
571.0	Gastro-Enteritis and Colitis	2	2							2	
576	Peritoritis	I	_							1	
587	Other Diseases of Pancreas	1	_							1	
816	Motor Vehicle Traffic Accident involving two										
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921	Inhalation and ingestion of food causing										
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924	Accidental mechanical suffocation in bed or cradle	-		1							
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8	75	2	2.7	2	2.7	-	-	2	2.7		
9	139	1	.7	1	.7	-	-	5	3.6		
10	178	3	1.7	3	1.7	-	-	1	.6	1	.6
11	27	1	3.7	-	-	1	3.7	1	3.7		
12	77	2	2.6	1	1.3	1	1.3	2	2.6		
13	120	3	2.5	3	2.5	-	-	2	1.7		
14	69	-	-	-	-	-	-	-	-		
15	117	2	1.7	2	1.7	-		1	.9	1	.9
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17	120	1	.8	-	-	1	.8	1	.8		
18	41	1	2.4	1	2.4	-	-	-	-		
19	139	7	5.0	4	2.9	3	2.1	3	2.2		
20	65	-	-	-	-	-	-	1	1.5		
21	219	10	4.6	7	3.2	3	1.4	4	1.8		
22	126	7	5.6	5	4.0	2	1.6	8	6.3		
23	85	5	5.9	4	4.7	1	1.2	-	-		
24	118	4	3.4	3	2.5	1	.9	3	2.5		
25	321	6	1.9	4	1.3	2	.6	3	.9		
26	62	1	1.6	-	-	1	1.6	2	3.2		
27	231	7	3.0	7	3.0	-	-	3	1.3		
28	46	2	4.3	1	2.2	1	2.2	1	2.2		
29	88	7	8.0	7	8.0	-	-	2	2.3		
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31	76	-	-	-	-	-	-	-	-		
32	227	10	4.4	7	3.1	3	1.3	4	1.8		
33	157	2	1.3	2	1.3	-	-	1	.6		
34	144	2	1.4	1	.7	1	.7	1	.7		
35	195	3	1.5	1	.5	2	1.0	5	2.6		
36	31	1	3.2	-	-	1	3.2	-	-		
37	93	3	3.2	1	1.1	2	2.1	2	2.2		
38	170	3	1.7	2	1.2	1	,5	2	1,2		
39	104	1	1.0	1	1.0	-	-	2	1.9	· ·	
40	169	1	.,6	1	.6	-		1	,6		
41	223	4	1.8	2	.9	2	.9	4	1.8		
42	133	3	2.3	2	1.5	1	.8	1	.8		
43	152	2	1.3	1	.7	1	.7	-	-		
44	117	2	1.7	1	.8	1	.8	2	1.7		
45	33		-	-	-	-	•	-	-		
46	36		-	-	-	-	-		-		
47	59	-	-	-	-		-	-	-		
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Reporting of infectious diseases is no doubt incomplete. It probably is most accurate in those conditions requiring bacteriological or serological confirmation as such conditions are also reported from the laboratories. Hepatitis too is generally well reported as this is necessary for contacts to receive gamma globulin, a prophylactic measure which is widely accepted in this community. Chicken Pox, erysipelas, measles, mumps, and influenza are no longer reportable, except when in unusual circumstances. The various dysenteries, whooping cough, mild scarlet fever, and particularly food poisoning are probably very poorly reported.

In an effort to obtain a better picture of illness in the community the Health Department set up a school surveillance system in 1959. A disadvantage of this system is that it operates only during the school term. The public Health Nurses note illnesses in each school and report these weekly to the central office. While these figures are incomplete and include only the 45,500 school-age children they do afford a much better picture of the prevalence of illness in the community.

The results of the school survey are shown in Table I and comments follow.

- 1. Non-Specific By far the greatest amount of absenteeism falls into this group often referred to as "flu", characterized by various combinations of headache, fever, chills, sore throat, respiratory and gastric symptoms, diarrhoea, etc. The reporting of these illnessess ran in the neighborhood of 50 100 cases per week most of the year, but rose to levels of 203, 291, and 183 the last three weeks of December. The Public Health Nurses keep Hank's solution in the district offices, and where larger outbreaks in single schools occurred swabs were taken for viral and bacteriological examination. The large outbreak in December appeared to be due to adenovirus and coxsackie B4.
- 3. Impetigo This is the third most common cause of absenteeism. A few cases seem very resistant to treatment, but some of this is due to inconsistant and irregular treatment by disinterested parents.
- 4. Infectious Hepatitis The largest number of cases ever reported occurred this year with 223. At least 141 or 63% of cases occurred in school age children. The great majority of these cases took place in the area north of the C.P.R. Yards to Mountain Avenue, and east of Arlington to the Red River. This area includes overcrowded homes and the initial area for urban renewal. The schools are mostly older schools. A survey by the Sanitation Department showed these schools to have close to an adequate number of sanitary facilities, but low in wash basins by modern standards.

Most family contacts were given appropriate doses of gamma globulin through private doctors or at the Out-Patient Departments of the hospitals.

There was 1 death from hepatitis - a 3 year old child. This child was exposed to hepatitis at home and received gamma globulin forty-four days before admission to hospital,

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- 8. Ring Worm There were 71 cases of ringworm due to microsporum audoninii. Provision is made for free examination of pet dogs or cats by a veterinarian. These children are excluded from school, sometimes for lengthy periods.
- 12. Pertussis This disease is still notifiable. Only four cases were reported, yet eleven cases were reported via the schools.
- 14. Diphtheria There were eleven cases of diphtheria during the year with one death. The cases are summarized in Table II. It is seen that only one of the eleven cases had immunization up to date, and only one of the carriers was not fully immunized. Most of the cases were of pre-school ages. The general immunization of school age children is very high due to the school entrance medical and school immunization program. The cases all occurred within a very small area, most on one street. This again is the area of planned urban renewal. In 1956-7 there was an outbreak of 61 cases with four deaths and this same short block was the centre of that outbreak. In the years 1956-61 there have been 78 cases of diphtheria with six deaths, a mortality rate of 7.7%. Frequent free immunization clinics are available in the areas involved, but it would seem almost necessary for an immunization team to make a house to house canvass to ensure that some of these pre-school children are immunized.
- 15. Pulmonary T.B. This subject is dealt with elsewhere in the report. Two cases were picked up in the high school surveys.

Poliomyelitis No cases of this disease were reported during the year.

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CASES AND DEATHS REPORTED	CASES	DEATHS	CASES	DEATHS
	196	<u>7</u>	10	960
Diarrhoea, of the New Born	TRANSFE HER	es. Tolonia	10	-
Diphtheria	11	1	2	1
Diphtheria Carriers	12	-	-	-
Dysentry, Amoebic	-	_	-	-
Dysentry, Bacillary	22	_	10	THE PARTY OF
Dysentry, Unspecified	4,356		-	N.3./-
Encephalitis, Infectious		-	1	_
Hepatitis, Infectious	223	1	145	-
Meningitis, (Meningococcal)	4	2018	6	M.R.
Meningitis, (Viral or aseptic)	1662	2.34	6	8.2
Paratyphoid Fever		-	_	_
Paratyphoid Fever Carriers	_	_	_	_
Poliomyelitis	- 11	233	1	145
Scarlet Fever	31	4.3	48	N.R
Smallpox	-	-	_	_
Tuberculosis, Pulmonary	48	10	66	18
Typhoid Fever		1	_	N.H.
Typhoid Fever Carriers	2-	-	_	La -
Undulant Fever	1	_	3	_
Whooping Cough	1	_	52	_
Food Poisoning	4	_ 4	31	92
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14. Dipateria	357	12	381	19

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Table I Illnesses occurring among 50,000 Winnipeg school children during school terms, 3rd January to 22nd December, 1961, as reported by Public Health Nurses. (Compared with actual reported illnesses of entire Winnipeg population of 256,733)

Illness	Number	Reported 1961	Reported 1960
1. Non-Specific	4,366	N.P.	N.R.
2. Chicken Pox	1,258	N.R.	N.R.
3. Impetigo	681	N.R.	N.R.
4. Mumps	661	N.R.	N.R.
5. Measles	284	N.R.	N.R.
6. Infectious Hepatitis	141	223	145
7. Conjunctivitis	116	N.R.	N.R.
8. Ringworm	71	N.R.	N.R.
9. Pediculosis	64	N.R.	N.R.
10. Scarlet Fever	29	31	48
ll. Scabies	15	N.R.	N.R.
12. Whooping Cough	11	4	52
13. German Measles	9	N.R.	N.R.
14. Diphtheria	4	11	2
15. Pulmonary T.B.	2	68	66

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TILLS	1000	225mg/l-	Managaran 1988	
	Non-Speatfile	34.4		.F.A
2.5	Chicken Pox	872.4	.8.8	18.00
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	Pulmonary T.F.			523

TABLE II - DIPHTHERIA 1961

A - Cases

Cinu 1		Immunization	n Status	10 CT 1940	
Age	Complete	Partial	None	Unknown	Total
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6 – 10	1		2	11 12 12 12 12 12 12 12 12 12 12 12 12 1	3
11 - 15		1	a older apo		1
16 - 20		New York of the			death
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Total	1	3	6	1	11

B. - Carriers

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Winnipeg City Health Department

Tuberculosis Control 1961

The extent of tuberculosis in Winnipeg does not warrant complacency. While deaths continue to decrease, new active cases continue to show little change and even an increase over 1960.

DEATHS

There were 10 deaths from pulmonary disease. The hazards of old age and failing hearts contributed to the excessive deaths in the older age groups.

NEW CASES

There were 68 new active cases found during 1961, a rate per 100,000 of 26.5 compared with 17.4 in 1960 and 26.5 in 1959. The majority of new cases were found in older age groups. There were 13 under 20 and 55 over 20, of which 17 were over 60.

It will be noted that males predominate in both deaths and new cases.

Deaths	Male	9	Female	1
New Cases	Male	44	Female	24
New Far Advanced Cases	Male	6	Female	1

The average age of male far advanced cases on discovery was 55.

SURVEYS

A total of 14,133 persons had a chest x-ray distributed

as follows:

Schools & Colleges	2,698
Government	3,576
Industrial	5,926
Others	1,933
	14,133

These yielded only 3 new active cases. During 1961 the x-ray unit at the City Health Department in the City Hall was moved to the National Employment Service, 344 Edmonton Street.

The Sanatorium Board of Manitoba continued to conduct all surveys using the tuberculin test to screen out those who were negative in schools, industrial and government offices. The average positive reactions was as follows:

High Schools	9%
Government	29%
Industrial	38%

This resulted from 24,477 tuberculin tests of which 5,554 were positive

Winnipes City Health Department ... innipes City Health Sylartment Tubercolosis Control 1901
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A total of 16,135 persons had a chest x-ray distributed as follows: 1, x:1 of 16 or sensons had a chest him of the thread as follows: Schools & Colleges

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These yielded only 3 new active oness. During 1901 the x-ray unit at these of the state of the sanitand the design death of the sanitanal that is a seven to the said one that the transfer that the said one the said one. The said one that the transfer the said one.

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High Schools 20%.

High Schools 20%.

Government: 20%.

Industrial 38%.

This resulted from 24,477 supercults tests of which o. 35 were positive

(showing exposure to tuberculosis) and 17,841 were negative. Those with positive reactions were x-rayed.

Of the 68 new active cases 4 arrived in Canada within the last three years. Only one arrived within one year.

The greatest concentration of new cases occurred in the area bounded by Main Street, Portage Avenue, Sherbrooke Street, and the C.P.R. yards, an area of poor housing.

At the end of 1961 there were 1000 cases under supervision of public health nurses. The excellent work of these nurses is vital to the control of tuberculosis.

The average number of city residents in sanatorium during the year was 88 compared to 109 in 1960 and 126 in 1959.

Our thanks are extended to the many organizations that assisted in this work, especially the Sanatorium Board of Manitoba and the Central Tuberculosis Registry.

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The greatest commentation of new cases occurred in the area bounded by Meio Street, Fortuge Avance, Shermrooke Street, and the C.P.Y. words an area of moor bounds.

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The average number of city residents in seastoring duting the year was 88 compared to 100 in 1860 and 126 in 1950.

Our thanks are extended to the many organizations that assisted in this work, especially the Sametorius Board of Maritage and the Central Tuberculosis Resissing.

TABLE I	Deaths from Tubercu	losis	
Year	Number	Rat	e per 100,000 pop.
1910	164	No. of the last of	123.6
1940	52		23.0
1950	21		8.3
1960	16		6.3
1961	10		3.8
TABLE II	Age at Time of De	ath	
Age		Number	
0 - 19		1	
20 - 39		1	
40 - 69		4	
70 - 89		10	
ervices and supervis	ion of a licensed pro-		
TABLE III Ne	ew Active Cases of Tub	erculosis	
New Cases	Rate per 100,00	0 pop.	Found on Survey
1959 79	26.5		4
1960 45	17.4		4
1961 68	26.5		3
TABLE IV	Diagnosis of New Acti	ve Cases	
Chola I	DESCRIPTION OF THE PROPERTY OF		
Pulmonary	49		
Glands Bone	7		
Pleurisy	4 2 Male		44
Other non-		The same of the sa	24
1961	68		68
255,1			
TABLE III	X-rays by Uni	lts	
City Hall (4 x 5	Unit) To Nov. 7, 1961	1961	1960
Survey, contact	and others	1,540	2,238
Pre-employment		1,424	2,145
National Employm			80
(Nov. 15 - De	c. 29, 1961	1,182 4,146	4,463
Mobile Unit (70	M.M.)		
Industrial X-ray	S	5,926	9,949
Schools & colleg	es	2,698	734
Nursing Homes		1,363 9,987	34_10,717
Total X-rays tak	en and ecventeer ne	14,133	15,180
Operational site	8	58	39
Firms served		125	288

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Ware per 100.000 pop.
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WELFARE INSTITUTIONS FOR THE AGED

The City Health Department spends a considerable amount of its efforts in the regulation and supervision of welfare institutions. These institutions assume the responsibility of care and supervision of individuals unable to care for themselves. They are licensed by the City of Winnipeg under the Welfare Institutions By-law. The responsibility of the Health Department is to ensure that physical facilities meet licensing requirements and that adequate care is being administered. These institutions consist of day nurseries, nursery schools, child care institutions, boarding care homes, and nursing homes. The first three are concerned with care of children and are dealt with elsewhere in the annual report. The latter who care for long term illnesses not requiring active hospital care.

Nursing Homes are for patients with disabilities requiring the skilled nursing care of a registered nurse. Boarding Care Homes need only supply the services and supervision of a licensed practical nurse. The majority of long term illnesses occur in older persons and the need for these institutions is increasing each year with the increase in older population, and increased survival time in long term illnesses.

In the fifteen years between 1941 - 1956 the population of Winnipeg over 65 was increased from 14,142 to 27,727 an increase of 96%, compared with general population increase of less than 15%. Between 1911 and 1956 the population over 65 has increased 14.5 times as rapidly as the general population.

Year	Population of Winnipeg	Population over 65	% over 65
1911 1941 1956	136,035 221,960 255,093	2,057 14,142 27,727	1.5% 6.4% 10.9%
ar top algress	Population of Suburbs	Population over 65	% over 65
1956	154,028	10,782	7.0%

Winnipeg licenses both proprietary and non-proprietary institutions. The latter are non-profit institutions operated by voluntary boards or religious bodies. They are larger institutions and are situated in buildings designed as institutions, and some have very elaborate facilities. Four of these are licensed, one as a boarding care home, three as nursing homes.

Four boarding care, and seventeen nursing homes of the proprietary type were licensed in 1960. These institutions are operated by individuals as a means of livelihood. They are all converted from older homes, some with extensive alterations and additions.

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Pour Boarding care, and seventeen nursing homes of the proprietary type were licensed in 1960. These institutions are operated by individuals as a means of livelihood. They are all converted from older homes, some with extensive alterations and additions:

In December, 1961 there were 532 beds licensed in four non-proprietary homes, and 626 beds in the twenty-one proprietary homes, a total of 1158. The occupancy was 634 public and 297 private patients, a total of 931 patients. This makes 68% of the beds public. Due to the opening of St. Boniface Sanitorium to chronic care patients during 1961 there was a decreased demand for nursing home beds with vacancies of 40 - 50 beds at times. The major reason for the discrepancy between licensed and occupied beds however is that the non-proprietary homes do not put up the full number of licensed beds, preferring to give more space to patients, and utilize some rooms for recreational or other activities.

The Chief Health Inspector and one Housing Inspector carry out all inspections of welfare institutions with regard to environmental facilities.

Three full time Nursing Supervisors are assigned to welfare institutions. These supervisors process placement of patients, supervise nursing services in the institutions and offer consulting services to the operators, and to families planning a private placement.

All applications for boarding care or nursing home placement with financial assistance by the Public Welfare Department are first referred to these Nursing Supervisors. The patient is visited and all details are gathered, including a medical report from the referring physician. In discussion with a physician of the Health Department a decision is made as to suitability of placement. If placement is not indicated the family is advised on other community facilities. If the patient requires more active treatment than given in a nursing home, referral to a general hospital or to the Municipal Hospitals may be recommended. See Nursing Division Report for further details on placements.

A register of occupancy of all Boarding Care and Nursing Homes beds is maintained in the department, and this is brought up to date daily by the clerk assigned to the Nursing Home Supervisors.

Each home is visited regularly by the Nursing Supervisors to assist the operator in maintaining good nursing standards. All accidents or unusual incidents must be reported to the Health Department under the regulations of the By-law. These reports often indicate needs for improved nursing service. All staff changes are reported to the Health Department and supervision is maintained to ensure adequate staffing.

The nutritionist of the department spends much of her time on these homes. She acts as a consultant on nutrition, giving advice on meal planning and preparation. Regular visits are made to the homes to see the meals are served and give advice.

All public patients in nursing homes receive medical supervision by physicians of the department. They are visited regularly every 7 - 10 days and at any time in between if need arises. Laboratory specimens are collected and are examined at the Provincial Laboratory if indicated. There are frequent referrals of patients to the facilities of the out-patient departments of the Winnipeg General and St. Boniface Hospitals. Patients are moved to the general hospitals and to the Municipal Hospitals when the move seems advisable.

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Welfare institutions are required to report all accidents to this department. Ninety-nine accidents were reported in 1961. Twenty-five showed no apparent injury, 46 showed only soreness, bruising or abrasions. 9 had lacerations requiring sutures, nine had fractured hips and five fractures of the arm. The remaining five had burns from cigarettes, hot water bottles, or hot water. This series of injuries occurring in a group supposedly under nursing supervision for reasons of frailty points out the need for constant active supervision of adequate calibre of these patients.

MEDICAL CARE

The mealth Department provides medical care to indigent persons under certain circumstances. The first group are those Winnipeg residents who are public patients in nursing homes. These people are cared for by physicians of the department and all medication is supplied by the pharmacy of the Municipal Hospitals.

of Public Mexich quotes the Winniper Report es one of "only two

Medically indigent persons at home who can get about are referred to the outdoor departments of the Winnipeg General Hospital and St. Boniface Hospital for all medical care. This is comparable to visiting the doctor's office. It is the most desirable place to carry out a medical consultation, as both facilities and records assist the physician to render his best service. However, in some emergencies, just as in private practice, a house visit is required. Sometimes this is recommended after a visit by a public health nurse, or by a nurse of the V.O.N. At other times the call comes directly to the Health Department as an emergency. In these circumstances home visits are made by physicians of the department. 1,963 home calls were made during 1961, an increase of 8% over the previous year. It possibly is a reflection of the increased unemployment in the past year.

Welfare Engineers in the state of the state

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The gealth begartment provides medical care to indigent payers which are certain electrons are those wintlend to side wide and are public patients in nursing home. These pastle are cared for by plysicially of the department and all medication is suchified by the swalley of the bundered as bearingly.

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Cigarette smoking is an important factor contributing to the production of Lung Cancer. In fact, smoking is the most important known controllable factor in cancer production. It would seem that close to twenty percent of all male cancer deaths could be prevented and an increasing number of female cancer deaths. Because of this important fact in preventative cancer, the department has been concerned with the smoking habit. It is very difficult to break this habit in adults and although we do not believe that efforts to reduce the adult habit should be abandoned, it is likely that efforts to prevent the uptake of the habit in teenagers might be more fruitful.

In 1960 the Department with the co-operation of the School Board, conducted a survey of smoking habits of Winnipeg School Children. The results of this survey were published in the Canadian Medical Association Journal on May 6, 1961. Requests for reprints of this article have come from all over the Continent and from the United Kingdom. A subsequent article from Harvard School of Public Health quotes the Winnipeg Report as one of "only two substantial studies (of smoking habits of young people)."

The study indicated most smoking commenced in junior high school, although the amount smoked increased in high schools.

For the purposes of a controlled study, two high schools were selected for an educational program, and all elementary and junior high schools feeding pupils to these two schools were included. This amounted to about 15% of the student population, and at the onset, their smoking habits did not differ significantly from the total school population. It is planned to repeat this survey in May, 1963.

It was felt that elementary school teachers and parents of pupils in these schools should be thoroughly familiar with the hazards of smoking in order that they might informally cultivate a proper attitude in these children in a spontaneous manner should the occasion arise and, we hoped, by example. During the year a film strip "To Smoke or Not To Smoke" provided by the Manitoba Branch of the Canadian Cancer Society was shown to all teachers in the test areas, followed by a discussion period with a panel of physicians representing the Health Department and Cancer Research. Similar programs were presented to Home and School groups.

It was felt the major effort should be made at the junior high level. However, it was felt that in the first year or two the program should be presented to all students above elementary level. The program was not a stereotyped course set up at senior levels. Instead, a committee was formed consisting of the Deputy Medical Health Officer and Consultant in Child Health Services, representing the Health Department, and representatives of both schools involved and administration from the School Board. This group discussed general plans and arranged meetings with principals and teachers who were encouraged to develop their own programs in the way they felt would be most effective. A mineographed bulletin was prepared at

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periodic intervals including extracts from pertinent medical reports, and items from magazines and the press, concerning the problem.

In all schools the film strip "To Smoke or Not To Smoke" was used freely. It was shown and discussed by a medical panel to the student council in one combined junior high school. In one school the program was carried out largely by guidance teachers.

It has been found that students are interested and quite willing to discuss smoking. Our study showed that poorer academic classes had higher smoking rates, and it was the impression of one principal that these students showed most interest in the program which is the reverse of the usual response. It has been the impression of some close to the students that smoking is decreasing, but we can make no real statement until the study of 1960 is repeated in 1963.

periodic intervals including extracts from pertinent medical ... Indiban tracture over the extract on tractal and clause medical untrascorer sea to odd bas corresp. Small form attacers on the all schools the film strip "To Smoke or Not To was used freely. It was shown and discussed by a medical panel grithe grudest countly shapport of thetero Total building to the many sandar sandar and Aug. 201 1 parts migh school, to a me school about march actions desired out private in the companies of the contract and and and and quite ling to discuss enoking. For study showed that poorer academic vising Portal and the bound of the second of Shead-Marin tenist greated decrease adocura medica of treatment control and a factor of the control of the cont one is netabout and and and the condition of the state of the state of the state of ingregation of articles and are reduced and are reduced as a second and are reduced and bull 323 of the conservation of effections among the state of a sear the anish to a ser of one to the students that the the grade in at over a whale out fitten trees are last on clam can be the . Chul or balance

CHILD DENTAL SERVICES

The program of the Child Dental Services Branch includes four major categories in providing a service for the community.

Dental treatment
Studies of local dental health problems
Utilization of public health measures
Dental education

Staff

The staff of the Branch includes one Director, two dentists (full time), eight dentists (part time), five dental assistants (3 certified dental assistants, one registered nurse, and one practical nurse), three clerks and dental aides as required. The total establishment allows for the equivalent of five and one-half dentists working full time.

Clinics

2 Chairs - Old School Board Office Building (136 Ellen Street)

2 Chairs - William Whyte School

2 Mobile Units - Servicing David Livingstone, Norquay, King Edward and Strathcona Schools, and the Retarded Children's School.

99 Dental Inspection Clinics.

Two permanent fully equipped dental clinics are maintained to provide treatment throughout the year. The demands on the mobile clinic at David Livingstone School would warrant the establishment of a permanent one chair clinic in the area. Space is expected to be available for a permanent dental clinic in the King Edward School next year. The clinic located at the old School Board Office building provides emergency and priority treatment. Public Health Nurses and School Principals can refer children for immediate attention in the event of an accident or toothache occurring during school hours. Parents may also taking their schoolchildren to this clinic for emergency treatment.

Dental Treatment

For a child to be eligible to obtain free dental treatment, his parents must be medically indigent, residents of the City of Winnipeg, or in receipt of Public Welfare from the City. The present comprehensive treatment group includes indigent children from Kindergarten and Grade I, systematic recalls in higher grades and public welfare recipients. Twenty percent of the Grade I school population were classified as eligible for treatment under the Dental Service Scheme. This figure has been consistent over the past four years.

CHILD DENTAL STRVICES

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This scheme utilizes the present treatment resources to the fullest. Public Welfare Children up to sixteen years of age have the opportunity of complete dental coverage (orthodontia excluded). The trend toward an increase in the number of these children seeking dental treatment would suggest that the firm policy and positive approach has encouraged this group of society to utilize the service. In 1961 there were 852 children from Social Welfare families on current dental treatment files as compared with 659 in 1960 and 345 in 1959. Preschool children are a difficult group to attract to dentistry because their parents for the most part are not concerned about preventive and interceptive dental treatment measures at this age.

The recall system is an attempt to increase the benefits of maintaining optimum dental health once a child has been dentally completed. Of the 1,575 children contacted and recalled in 1961 only 69 or 4% failed to keep these appointments and 33% of the 1,506 children re-examined were returned to optimum dental health in one appointment. The families contacted on this recall basis are generally very co-operative and interested, appreciating the dental health program and services.

In 1961 3,300 children were treated in the course of 10,366 patient visits to the clinics. 2,428 children received complete dental care as provided by the dental clinics.

Failed Appointments

The failure of patients to keep their appointments is a constant problem. Although there was an increase in the number of patients attending the clinics in 1961 the number of failed appointments dropped from 464 in 1960 to 367 in 1961. 95% of the failed appointments during the school holiday period of July and August were among new patients who had requested treatment. Analysis of information collected suggests that the most efficient plan during July and August is in treating the recall group to be assured of full co-operation.

Handicapped Children

The study begun in 1960 of a group of mentally retarded children from indigent families attending a special school in the city was continued in 1961. The mobile equipment was used in the school for a two week period of concentrated effort. The results of our efforts in this field have been most gratifying. The provision for dental treatment of mentally and physically handicapped children in the city (and Province) is most unsatisfactory.

The report submitted by the dentist attending the retarded children's school included the following remarks of interest in developing a program for handicapped children.

This scheme utilizes the present treatment resources to the fullest. Public Walfare Children up to sixteen years of age have the opportunity of complete destal coverage (orthodonils encluded). The treat toward on there are in the number of these children sceking dental expenses would suggest that the firm policy and positive approach has amounteed this jet group of society to utilize the germine. In 1931 these ways and third in them society to utilize the germine. In 1931 these ways are thirden from Social Weifare families on current dental tractions files as compared with 539 in 1950 and 345 in 1959. Presented this parents that the dental traction obtains are a difficult group to attract to depting because their parents for the most part are not dental about account of the state of this

The result system is an attempt to increase the benefits of maintaining operated formal health cope a child has been dentally completed. Of the 1.575 children contracted and recalled in 1961 only 69 or 45 failed to keep these oppointments and 353 of the 1.505 children re-examined were returned to optique design besitte in one appointment. The families contacted on this recall basis are generally very co-operative and interested, appreciation the dental health program and services.

In 1961 3,300 children was treated in the course of 10,366 patient wising to the citator. 2,418 children received couplere doutel care as provided by the dental children.

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The failure of patients to keep their appointments is a comparant problem, Although there was an iterating in the number of patients attending the citates in 1901 the number of failed appointments during the citates in 1901, 957 in 1901, 957 of the failed appointments during the school holders period of July and August wore among new patients who had recomment the cost efficient plant during July and August is in tracting the repail group to be casumed of fail accordant.

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"Children's behaviour was similar to that of normal children with about the same percentage of behaviour problems. Co-operation was less than that of normal children due to lack of intelligence only.

The children accepted dental treatment only after the dental staff became part of their normal environment. Examinations were easily and successfully done only on the third day at the school. There is no way of rushing most of these children as they are slow to accept a stranger. The fact the clinic is held at the school is of great advantage, particularly for those children under twelve years of age.

Oral hygiene was found poor in eleven of the twelve rooms at the School. In the twelfth room it was found the teacher stressed oral hygiene and it was obvious that her efforts were not in vain.

Many of these children can be treated with restorative and preventive dentistry and that exodontia is not necessitated by the mere fact that their intelligence is subnormal."

ADULT DENTAL SERVICES

The problem of providing dental treatment on a more comprehensive basis for indigent adults is real and pressing. In Winnipeg patients in this group attend the out-patient clinics of the major hospitals where treatment is confined to oral surgery on an emergency basis. No follow up or preventive, interceptive, or restorative dentistry is available. Dentures are supplies by the Health Department where necessary.

DENTAL HEALTH EDUCATION

requires the participation of the dental profession, the school system, the public health nurses, the parents and children. The dental inspection in the schools of kindergarten, Grade I and Grade II children is an effective means of directing attention to this problem. The dental inspection is not meant to be conclusively diagnostic, but to provide a source from which recommendations, interpretations and general observations can be made to assist in improving dental health in the community.

Each teacher is encouraged to observe the dental inspection and is shown some diagnostic features for use in the class during future health lessons. Teaching aids are provided for each classroom and demonstrations on their use are given by the visiting dentist. Parents whose children have dental problems are notified to seek consultation with their family dentist. Those children whose parents cannot afford a

"Children's behaviour was applian to that of morest chaldens with about the same percenters of Braylous problems. Ourspending was less than that of morest the children sus to lack of intelligence only after the denial engile of the that parties the denial engile of the their applications and their denis denis and another third dear early on the third dear it may applicate at the place of the property of the pro

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family dentist are given dental treatment at the clinics upon approval by the public health nurse.

A consultant service is provided to teachers and nurses in promoting dental health education. Dental programs were arranged for interested parent meetings. Contributions were made to the public health lecture programs of the affiliate undergraduate nurses of the Children's Hospital, the Faculties of Medicine and Dentistry. Material was prepared for consideration in the Dental brief presented to the Royal Commission on Health. The Division also participated in the annual Dental Health Week sponsored by the Dentists of Manitoba.

Inservice training for all the staff of the Dental Branch is included to provide background in allied services in public health and to receive instruction and guidance in methods of inproving techniques and organization. A table clinic was prepared by the dental assistant staff and displayed by the delegate at the Canadian Dental Assistant and Nurses Convention in Saskatoon.

GENERAL

The Dental College of the University of Manitoba provides a limited type of dental treatment coverage for the populace. The Pedodontic Department in particular occasionally requests and provides dental treatment for child patients attending the Dental Division Clinics. While the volume of patients is small it is a valuable adjunct in providing dental treatment for children of the City. In turn, the Dental College Staff are readily available for consultation and recommend treatment procedures for special cases attending the Health Department clinics. Dental surgical and prosthetic cases demanding special skills are referred to the College on a mutual agreement basis.

SUMMARY

The Dental Division plays an active part in the School Health Services by contributing toward the dental health of each school child in the Winnipeg School system.

Dental Health Education, emergent and comprehensive dental treatment, as well as studies on local problems of dental health, are included in the overall plan of providing a dental service.

Dental care has a vital role in solving the problems of dental caries in the form of dental inspection and notifications, examinations, restorations, removal of offending teeth, adjusting malaligned teeth, and space maintenance. Treatment alone does not prevent the advances of dental caries. The reduction of the incidence of dental caries can best be solved by prevention, early interception and maintenance of good oral hygiene habits.

Systematic growth allows for progress in a well organized manner, encouraging a trend toward establishment of optimum conditions. By maintaining a definite dental treatment policy, extending the program

the same experience, the same amount of the entropy family dentitet are given dental treatment at the clinics upon approval Children is consultant services and the province of presents and engage in blacers. A consultant services and provinced in the cert. Material dental of a Material section of the Control of the section of the sectio property dental translations of the property o staff and displayed by the delegate at the Canadian Dental Assistant to the state of the Sasantes Page Universe and Maria Con and the conference of the same of the conference of the same of the s our les formes al respectation transmission and and sealers. The very transport of the property of the prop GENERAL CONTROL OF A CONTROL OF the second residence of the land to the second to the seco and the control of the salt and providing Heavid Private and L. tie notice of Care of the Company of the St. Company of t recommend treatment procedures for special cases attending the Ho reposed desired referred the College on a mutual agreement basis. the banda Division plays on series part in the School Health , (Services by deciributing toward offe plays of health ar series school child to the WinstpVF School system, the the WinstpVF School system, the Xandageatment, as well as studies on local providence of danced health, are configurated, as well as studies on local providence of danced health, are notype and the configuration of the configuration and the configuration of the configurations, represent the configuration and notifications and parties maintained example of configurations, represent the configurations and the configurations appoint of configurations and the configurations are present the configurations and the configurations are configurations. teath, and space maintenance. Treatment alone does not prevent the an ... advances of dental variety. The reduction of the incidence of dental by safetying can beet be solved des provention early interception and maintenance of good ores stylighted habits. Systematic growth allows for progress in a well organized

gradually through the addition of personnel, equipment and application of dental research, is the most effective and less costly method of developing a sound, efficient and profitable Dental Health Program for indigent children and families of our City. Free dental care for school children requires a degree of control by the benefactor in order to obtain the maximum of returns from the service. The provision of dental treatment without plens for follow up and attempt to stimulate an interest in preventive measures on the part of the patient or parent is costly and time consuming in the expenditure of public funds.

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TABLE I

Summary of Dental Treatment Groups (number of children) 1961

						Age		1 00 80		
	Pre-School	5	6	7	8	9	10	Older	Total	
Notified of Appts.	166	369	733	572	431	331	216	678	3496	
Failed Initial Appts.	4	27	86	34	9	8	8	20	196	
C. Patients Completed	136	253	497	518	392	208	122	302	2428	
Recalled (6-8 mos).	80	104	291	378	261	162	71	228	1575	
E. Patients failed Re- call Appts.	3	6	16	16	8	6	0	14	69	
F. Recalls Completed lst appt.	22	39	77	122	86	54	23	75	498	

Definition of Ter s

- A. Patients notified of appointments the number of patients applying and accepted for dental treatment.
- B. Failed initial appointment patients assigned to dental clinics for treatment following school inspections and approved by the school nurse.
- C. Patients completed children from Section A receiving comprehensive dental treatment as provided by the clinics. Also a proportion of Section F.
- D. Patients recalled (6-8 months) following last appointment when completed, (1960-61)
- E. Patients failed recall appointment patients from D, who were contacted and failed to appear for scheduled appointment.
- F. Recalls completed on first appointment includes children whose maintenance care is attended to during the recall examination appointment.

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Summary of Dental Treetment Groups (number of obildren)

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Analysis of Dental Clinical Services provided in 1961.

X-rays (single films)	1219
Exodontia - Deciduous teeth Permanent teeth	2367 699
Anaesthetic (local)	6988
Fillings - Amalgam - Single surface Multiple surface plastic or synthetic porcelain cement linings cement fillings (temporary)	4623 4601 333 9792 705
Crowns - celluloid stainless steel	16 284
Space Maintainers	70
Prosthetic Appliances	11
Other treatments	1801
Prophylaxis	1645
Endodontic treatments	518
Refused (non-cooperative)	36
Cancelled appointments	416
*Failed appointments	563
Referred to private dentist	16
Recalls (6-8) months	1575
No. dental 3 hour sessions (includes schools dental inspections)	2418

*Includes new patients failure to attend the clinics for dental examinations and diagnosis appointment.

		Grade 1	Kindergarten
	1960	17%	13%
e.g.	1961	9%	7%

Analysis of Dental Clinical Services provided in-1951.

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		No. dantal 3 hour sessions (Includes schools deptal inspections)

Mincludes new patients failure to attend the clinics for dental examinations and diagnosts appointment.

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TABLE III

Dental Services for Children attending a Winnipeg Retarded Children School 1961

	School Dental Inspection 89 boys	
	78 girls	167
	No. of children with dental caries	123
(a)	No. of children with restorations prior to 1961 clinics	61
	Clinical Services - Indigent children	
	Examinations - 1960 patients 24 1961 new patients 19	43
	Extractions (b) deciduous teeth permanent teeth	17 16
	Local Anaesthetics	56
	Amalgam fillings - single surfaces multiple surfaces	75 33
	Silicates	4
	Cavity Linings	74
	Total patients treated	43
	Total patient sittings	84
	Total patients completed to date of last appointment with facilities available	39
	Total Clinic Days	14

- (a) 27 children received dental treatment from the Health Department Clinic in 1960.
- (b) 12 deciduous teeth extracted from one patient.

TARLE IVI

Dental Services for Children attending a

Winstope Rederded Children School, 1961

	Sondol Dental Inapection 89 bages
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	- No. of children with dental cardes
Ţ9	(a) No. of children with restorations prior to 1961 clinics
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16 16	Extractions (b) deciduous teeth permanent teeth
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41	Silicates
49	Cowity Linings
	Total patients treated
48.	e vilille incided Isot
68	Cotal patients completed to date of last empaintment with facilities available
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(a) 27 children received dented trestment from the Masith Department Citing the Masith Department

(b) 12 december on morth bedserter attend avous patient.

PUBLIC HEALTH NURSING

PERSONNEL

Nursing positions in the City of Winnipeg Health Department are established on a full time basis. The number of such positions is set by Council. In 1961, the authorized establishment was 57 nurses. This represents an increase of one nursing position over the previous year. Forty-seven of the 57 nurses were field staff serving a population of approximately 256,733 people. This gave a ratio of one field nurse to approximately 5,462 people.

Because of the increasing number of aged and chronically ill people, in 1962 Council authorized the establishment of an additional nursing supervisory position to deal with Welfare Institution problems. Three nurses are now employed by the Health Department in this category.

During the year, eight nurses resigned to take up home duties. Six nurses were granted leave of absence to take a course in public health nursing at the University of Manitoba.

In 1961, eight nurses were appointed to the Health Department. Seven nurses returned to the Department after a years post-graduate course in public health nursing. Of the 57 nurses employed by the Department, 80.3% have degrees or certificates in public health nursing.

NURSING PROGRAM

The Winnipeg Public Health Nursing program was organized in 1941 as a family-centered service. The program was designed to embrace every facet of family life from the newborn to the senior citizen. A program of this magnitude demands periodic appraisal in order to keep the nurses' case loads balanced, thereby avoiding a "spotty program" with over emphasis on a single service or of having the program develop into a series of campaigns. With current emphasis on mass survey techniques as a part of medical research, there is a danger of the public health nurse becoming over envolved in this campaign type of program to the detriment of a continuing family-centered service.

A 1961 "time analysis" study of the Winnipeg Public Health Nurses' work indicated that approximately 48% of the time is spent in schools, 18% in home visiting, 8% in child health conference, 2% in pre-natal classes, 16% in district offices, and 8% in travel. Of the 16% spent in the district offices, approximately 4% is spent in direct service to patients, the remainder of the time is spent in planning and recording. In 1962, a closer study of office and travel time will be made with a view to increasing the time on home visits.

INFANT AND PRE-SCHOOL SERVICES

The infant death rate for the City of Winnipeg in 1961 was 22.4. This rate indicates a fairly satisfactory level of child care in the community and credit for this must be given to all concerned with child care. The Health Department's main contribution is through its nursing program of home supervision of both infant and pre-school children and its child health centres.

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A. HOME VISITS

In regard to home visiting, it is the policy of the Nursing Division to visit as soon as possible after birth, particularly if it is a first child, and to continue visiting where there is a need, if the parents are not planning private medical supervision or attending a child health centre. In 1961, 13,445 visits were made to children under one year of age. 43% of these children were under one month of age. An additional 15,242 home visits were made to preschool children.

Home visits are also made following accidents, particularly poisoning accidents, to children under five who have been reported to the Children's Hospital Poison Control Centre. The purpose of the visit is not only to obtain more detailed information about the accident but also to institute educational measures that might prevent future accidents from occurring because of carelessness, ignorance or neglect. In 1961, 405 visits of this nature were made by public health nurses.

B. CHILD HEALTH CENTRES

Nine Child Health Centres are operated by the Health Department to provide weekly services to children under school age not receiving medical supervision and immunizations due to economic or geographic reasons. One additional Child Health Centre is held once a month for immunizations only. In 1961, 1544 infants and pre-school children were registered at the Child Health Centres. This is 247 less than in 1960.

In 1961, a survey of 311 families whose attendance at Child Health Centres had elapsed three months or more was conducted in an effort to determine the reasons for their inattendance. Only 169 of the 311 families could be located. The whereabouts of the others were unknown or investigation revealed they had moved out of Winnipeg.

Out of the 169 families located, 92% had no criticisms and expressed appreciation of the service received. 8% indicated a desire for medical treatment and a supply of vitamins. 83% had no suggestions for improvement of the service or facilities offered. A review of the records of the 311 families with lapsed attendance revealed that only 117 families had medical insurance coverage and investigations indicated that in the main, this insurance was used for acute illnesses and not for counselling on child development.

Although 151 out of 169 mothers interviewed indicated some knowledge of child development, this was generally in the area of physical development and was of a comparative nature. The questions raised by mothers during the interviews revealed that more health counselling was needed around the areas of motor development, habit training, language development, personality development, and nutrition. In 1962, a more critical analysis of child health centre services will be made in an effort to determine ways and means of improving services and increasing the attendance particularly of pre-school children.

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SCHOOL HEALTH

The Health Department's policy of concentrating medical and nursing time on school children presenting health problems that might effect their educational progress has continued in 1961.

Three additional parochial schools were added to the public health nurses' program in 1961. 81 public schools and 19 parochial schools with a total school population of 53,954 pupils are now served by 47 field nurses.

Statistics for the school year September 1960 to June 1961, indicate that 36% of children in kindergarten and grade I had pre-entrance medical appraisals by private doctors. 59.1% of grade VII pupils and 61.1% of grade X pupils had private medical examinations.

Out of a total Winnipeg School population of approximately 53,954 pupils, 5,309 or 9.2% were examined by school doctors. Referrals for these examinations were provided by teacher-nurse conferences, by new entrants to Winnipeg schools and from the public health nurses' careful analysis and investigations of the 4,103 questionnaires filled out by parents of grade VII pupils and the 2,639 questionnaires filled out by grade X pupils.

10,907 hearing tests were given to school children by a public health nurse in 1961. 396 cr 4% of these children were found to have suspected hearing defects requiring further medical attention. The fact that only 5 of the 88 suspected hearing defects found in kindergarten children had no defect after medical examinations were completed, indicates the importance of auditory screening early in a child's school life.

Routine vision testing of pupils in Kindergarten, grades I, IV, VII, and X, was carried out during the year. Of the 1414 children referred to the Health Department's clinic in the Children's Hospital, 546 were new cases and 868 were sent to have their eyes re-examined.

8,299 school children received booster inoculations against diphtheria, tetanus, and poliomyelitis in March, 1961. In spite of the high immunization status of the school population, (approximately 84%) diphtheria outbreaks have occurred since June. A total of 11 cases of diphtheria was reported in 1961. The majority of the cases occurred between October and December and necessitated the swabbing of 249 pupils in nine classrooms in one school. This was followed by a booster inoculation to 176 children in the school.

ADULT HEALTH SERVICES

MATERNAL HYGIENE

There was an attendance of 3,218 expectant mothers at the ten weekly pre-natal classes in 1961. Each mother attended on the average 7.5 sessions. The interest and satisfaction from this area of service is high and requests for evening classes are received continually.

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ADULT HOME CARE

14,915 visits were made to adults in 1961. This represents an increase of 4000 visits in two years. Since chronic illnesses were the reasons for many of these visits, the need for rehabilitation services in the community is evident.

It is hoped that in 1962 the Health Department will be able to establish a close working relationship with the new Manitoba Rehabilitation Hospital so that problems of the chronic disabled in Winnipeg will be handled effectively.

NURSING AND BOARDING CARE HOMES

The licensing of Nursing and Boarding Care Homes and the placement and supervision of the care of all patients in these homes occupies the full time of three public health nursing supervisors.

Before the placement of any applicants is made, public health nursing supervisors visit the patient either at home or in hospital to assess the patient's condition, to obtain detailed medical information and to interpret nursing home services to both the patient and their family. When all necessary information is obtained, the case is discussed with a Health Department doctor and a decision made as to whether or not placement in a Nursing or Boarding Care Home is desireable. Patients requiring more care than a Nursing Home is capable of giving are referred to a hospital for aged or chronic patients or to a hospital caring for acutely ill people. Patients who do not require Nursing or Boarding Home Care are referred to the Welfare Department for alternate care.

In 1961, 660 applications for placement in Nursing or Boarding Homes were received. This was 148 less than in 1960. This decrease is attributed mainly to 184 beds being made available in January 1961 to aged and chronic invalids at the St. Boniface Sanatorium.

412 patients or 62.4% were placed in Nursing and Boarding Care Homes as public recipients. Of the 248 patients not placed by the City, 36 were placed privately, 52 were referred either to St. Boniface or Municipal Hospitals for aged or chronically ill patients, 26 were sent to hospitals for acutely ill patients or died before placement, 31 were referred for alternate care, 103 refused placement.

In March, 1961, with the cooperation of the Winnipeg School Board, and the financial assistance of the Provincial Government, the Health Department was able to organize a recreational program in Augustine Church for physically and mentally able patients. An assessment of those able to participate in this program was made by the public health nursing supervisors.

Two other surveys were carried out by the public health nursing supervisors in 1961. One was concerned with the methods used in storing, dispensing, and recording medications in the different homes. The other survey was on
accidents in the Homes. The findings of both surveys were discussed with the Matrons
in each Home and suggestions for specific changes made.

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DAY NURSERIES AND NURSERY SCHOOLS

The Health Department licensed five day nurseries caring for approximately 135 children and 17 nursery schools caring for approximately 384 children in 1961. The shortage of qualified nursery school teachers and the lack of opportunity for training in this field continues to be the most serious obstacle in maintaining desireable standards of operation. However, definite arrangements have been made with the Department of Adult Education and Extension at the University of Manitoba regarding the possibility of establishing a credit course in pre-school education.

RESEARCH STUDIES

Public Health Nurses in Winnipeg assisted with several research studies in 1961. A study started five years ago on the premature infant by the Department of Faediatrics in the Faculty of Medicine is still using public health nursing services in its project. 565 mothers were interviewed in connection with a Prc-vincial survey on feeding of children in the first two years and its relationship to "Scurvy". Public Health Nurses also assisted the Department of Bacteriology in the Faculty of Medicine with a Poliomyelits Antibody Study in 1961.

EDUCATIONAL PROGRAM

The responsibility of keeping the nursing staff well informed and up-to-date on medical knowledge which is changing rapidly is a matter that continually faces all administrators. The Nursing Division was fortunate in 1961 in obtaining outstanding speakers on questions of vital interest to the whole staff. Dr. George Wheatley of New York addressed the group on School Health Problems. Dr. W. Grant on Tuberculesis, Mr. T. A. J. Cunning on the proposed Rehabilitation program in the new Manitoba Rehabilitation Hospital, and Dr. R. H. Lawler on School Phobias.

The Nursing Supervisors attended an institute conducted by Mrs. Anne Twomey, Associate Professor of Mental Health in Simmons College, Boston, on "Developing Public Health Nursing Leadership in Mental Health Services". A member of the Nursing Division staff attended a one week institute on Civil Defence Nursing at Arnprior, Ontario.

This report only attempts to "highlight" a few of the Winnipeg Public Health Nursing activities. Further details on services involving public health nursing assistance will be found in other reports relating to School Medical Services, Tuberculosis Control, and Welfare Institutions.

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The Herlith Department lies of five day nurseries caring for approximately 32% enthanced to 10%. Its children and ly nursery schools coming for approximately 32% enthanced in 10%. The shortage of co. Lifted nurser, echool tempines and the lack of appertualty for a tring in this feel of the second control of the feel of the legal of the lack of the legal of the lack of the lac

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In addition to problems relating to outbreaks of infectious disease, the areas of emphasis in Child Care Services for the year 1961 can be devided into problems of the pre-school child, school medical services and the Registry of Handicapped School Children.

The liaison with practising physicians and various organizations devoted to aspects of child health has continued to improve. A considerable correspondence goes on all through the year between this Department and private physicians in regard to children under their care. In the end, the child benefits because of the co-operation and interchange of information which results from this close liaison.

The 12 school physicians continue to do highly satisfactory work in the schools. Although we have received the greatest possible co-operation from school personnel, the examination facilities leave a great deal to be desired. Lighting is often poor, and privacy almost impossible. This lessens the effectiveness of the interview or examination, and is a subject of discussion at the regular school health conferences, held in the School Board offices. It is to be hoped that in any new school construction, or any re-construction that may occur from now on that we will be consulted to insure that the facilities for medical examination and handling of the occasional emergency can be done under reasonably satisfactory conditions. Very few routine medical examinations are now done in the schools. Attendance of parents during the course of a health examination is encouraged and the examination is much more effective when the parent does attend. Except for a small group of children in the first year who register without having a previous medical examination, only those children who are having problems in school because of health reasons are now slated for examination. The questionnaires used in Grades 7 and 10 continue to act as a very satisfactory screening mechanism. Following discussions with the public health nurses the improvements and changes in the form of the questionnaire from year to year have increased the value of this method of selecting those school children who require the services of a school physician. Regular testing of hearing and vision continues. More emphasis is now being put on the recognition of children who are seriously under or overweight.

The Deputy Medical Health Officer and the Consultant, Child Care Services have held several conferences with school children, parent-teacher groups, and teachers at the Churchill High School as part of our program of health eduction directed towards reducing the recruitment of teenagers to cigarette smoking. The work done by the City Health Department in this area has attracted considerable interest across the country, and other cities have taken up this program since the publication of the original survey last year. Sometime in 1963 we plan to re-survey Winnipeg school children to see what beneficial results, if any, have materialized as a result of this campaign.

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Diphtheria continues to be a problem from time to time, in spite of the very high rate of immunization among Winnipeg school children. The problem continues to arise in those families where ignorance and neglect are notably present. In spite of intensive efforts by Public Health Nurses and by publicity through various media, these families do not take seriously the advice urging them to have their children immunized. It is in these same family groups that nutritional disease is apt to figure prominently and general neglect of their children is evident in the frequency of illness which occurs in these homes. This problem is similar to that which occurs in other cities, and measures to overcome it will continue to concern us.

The Registry of Handicapped Children continues to be supported by a National Health Grant, which makes possible the employment of a full-time secretary. An accurate record is kept in the City Health Department files of all school children who have a variety of handicapping conditions which. might interfere with their schooling. Many of these children are doing perfectly well in ordinary school rooms, but some are benefitting from placement in special classes. It is of interest to note that 14 new cases of rheumatic heart disease, and 27 of congenital heart diseases were recorded during 1961. There are now 283 known cardiac cases in the school population of over 50,000. In 1961, 94 children who have had rheumatic fever were included in the program for Prophylactic Penicillin which is supplied free of charge by an arrangement between the Provincial Government and the City of Winnipeg. The parents' co-operation is required to insure that their children take these tablets regularly in order to prevent a recurrence of rheumatic fever. In the schools there are 35 children with diabetes, 58 with convulsive disorder, and 107 with various skeletal handicapping conditions, such as cerebral palsy or convalescent poliomyelitis. There are 81 children with vision handicap serious enough to require educating in 3 special classrooms which have been set up by the School Board, and 86 children with serious hearing handicap, who also require special education. Attending the Ellen Douglass School are 64 children with handicapping conditions. Excellent co-operation exists between the Winnipeg School Board and the City Health Department in the handling of the health of these children.

The problem of the Child Health Centres continues to present real difficulties. There has been a falling off in the attendance at some of the Centres, presumably due to wider pre-paid medical coverage. It also appears likely that insufficient attention is being given by parents today to regular medical care of children in the younger age groups. Although infants are brought in regularly by their parents up to the time they are one year old, they are rarely seen again apart from periodic immunization, until they enter school. The whole subject is under review, and recommendations will be made during the ensuing year to work out a more effective way of providing health counselling services for children in these age groups.

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CHILD HEALTH CENTRES

Child Health Centres	10
Child Health Centre sessions held	467
New babies admitted	1,544
Attendance at sessions	19,785
Doctor' consultations and examinations	2,349
Home visits re child hygiene (birth registrations, etc.)	28,687
Immunizations by doctors at Child Health Centres	14,181

IMMUNIZATION ATTENDANCE AT CHILD HEALTH CENTRES

make Bassatina Continues	Number	No. of Sessions
Harrow	1668	12
St. Matthews	2010	12
St. Judes	1868	12
Sparling	798	13
St. Andrews	1878	12
Holy Trinity	952	13
Chalmers	9 89	12
Mount Carmel	1038	12
Robertson House	1613	12
McGregor	1252	12
TOTAL	14,066	122

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ACCIDENTS IN SCHOOLS REVIEWED
Accidents reported by Principal and nurse 1,153
REPORT ON HEALTH INSPECTION OF SCHOOL CHILDREN BY PUBLIC HEALTH NURSES
Pupils examined in Health Service Rooms by nurses 30,762
Exclusion from School
Treatments given 26,213
Classroom Inspections by school nurse
Conference re pupil (with pupil, parent, teacher, etc.)
Health Education 1,049
Home visits to school children made by nurses (exclusive of communicable disease visits), 12,260
PHYSICAL EXAMINATIONS OF SCHOOL CHILDREN
Children examined by medical examiners 5,309
Children with one or more defects 2,089
Parents invited to physical examinations 3,893
Parents present at physical examinations

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(Includi	PERSONAL SERVICES TO PATIENTS BY PUBLIC HEARING home visits and instruction by telephone	from Distri	ct Office)
		1960	1961
Health:	Newborn	6,049	5,832
	Under 1 year	7,814	7,613
	Pre-school children	14,256	15,242
	School children	12,676	12,267
	Adults	14,605	14,915
Prenatal		1,189	1,135
Postnata	1	5,688	5,490
Prenatal	Classes: New Admissions	440	430
	Total Attendance	3,668	3,218
Morbidit	y: Tuberculosis	1,808	1,431
	Acute Communicable	328	321
Unclassi	fied: Not found	5,624	5,504
	Not taken under care	208	116
	Special activity	1,636	1,505
Visits n	ade for poison control prevention	367	404
	TOTAL	75,916	74,986
	CHILDREN EXAMINED FOR FRESH AIR CAMPS	1960	1961
Camp Mor	ton	82	214
Salvatio	on Army	252	306
C.G.I.T.		153	98
Y.M.C.A.		165	138
Y.W.C.A.		180	283
Y.M.H.A.		350	110
United (Church	283	331
Logan Ne	eighbourhood House	89	104
Lakesid	camp	185	48

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CHILDREN'S HOSPITAL - EYE CLINIC REPORT

Clinics held	188
Children examined: New 546 Re-examined 868	
Refractions completed	1140
Not needing glasses 236	
Glasses prescribed 621	
No change in prescription 263	
Glasses discontinued 20	
Refractions not completed	
Refractions not needed	
Returned for observation	. 256
Children found with 1/3 or less of normal vision with glasses	. 4
Out-patient consultations (Winnipeg Residents)	. 468
Referred to Orthoptic Clinic	
A CONTRACT OF THE PROPERTY OF	
AUDIOMETRY REPORT	001.6
Children tested	. 0940
First tests 7395	
Re-tests 1551	
Defects	
Teachers and others tested	. 66

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VICTORIAN ORDER OF NURSES SERVICES SUMMARY FOR	THE YEAR 1961
Total number of new cases	2,023
Nursing Care Visits:	
Prenatal	5
Postnatal	44
Newborn	516
Infant	295
Pre-school	182
School	175
Adult	43,224
Total Nursing Care	Visits 44,441
Health Instruction Visits:	in the citation with
Prenatal	30
Postnatal	421
Newborn	447
Infant	660
Pre-school	66
School	40
Adult	1,140
Total Health Instr	ruction Visit 2,804
Not Seen	860
On behalf of patient	
TOTAL	48,136

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INSPECTIONS BRANCH

Dairy	Principal	Inspector	R. Bentham	Cert. R. San. I.
Food	"		R.C. Morrow	D.V.M., C.S.I. (C).
Housing	"	11	G.W. Kelly	Cert. R. San. I., C.S.I.(C).
Sanitation &	Hygiene "	11	A. Cross	M.R.S.H., C.S.I. (C).
Laboratory	Senior Te	chnician	H. Robinson	Cert. R. San. I.
Chief Health	Inspector		E. J. Rigby	D.V.M., B.S.A., C.S.I.(C).

During the year close attention was given to diseases transmissable from animals to humans. The three diseases of particular concern were rabies, ring.crm and brucellosis.

In Winnipeg no cases of rabies in humans or animals were confirmed during 1961. The By-law requiring the impounding of dogs that has bitten a person was strictly enforced. In addition arrangements were made to keep biting cats under observation. Other animals alleged to have bitten people, where they could be recovered, were forwarded to the laboratory in Hull, Quebec for examination. While no positive cases were reported in Winnipeg a cat and some skunks captured in the Suburbs were reported as positive. Dog owners, particularily those taking their dogs outside the City, were urged to have their dogs inoculated against the disease.

Cats and dogs in households where ringworm was reported in children were examined and if infected were either treated or destroyed. Cats have been found to be the means of spreading ringworm to children in many instances.

Investigation of reported cases of undulant fever (Brucellosis) indicates that in all instances the infection was contracted outside the City, either by comsuming raw milk from infected cows or handling diseased animals. The Federal Department of Agriculture are pursuing a policy of testing all cattle in Manitoba and slaughtering cattle infected with Brucellosis. The initial test of all cattle in the province has been completed and it is now hoped that the indidence of the disease can be kept at a very low level.

HOUSING DIVISION:

This Division is primarily interested in premises where people live. It is responsible for the enforcement of health regulations and by-laws pertaining to hotels, rooming houses, welfare institutions and lodging houses.

During recent years particular attention has been given to the cleanliness and sanitary conditions of guest rooms in hotels. This was done because a survey made some five years ago revealed that in a number of hotels, acceptable standards were not being maintained. More frequent inspection with closer attention being given to detail has been instrumental in effecting a noticeable improvement. No indication of bedbugs was noticed in any of the 3,404 guest rooms in the 54 hotels located in the City. During the year plasterwork was repaired and redecorating done where necessary, mattresses were renewed in 18 hotels and floor covering

Dairy Frincipal Inspector R. Bemtham Cort. R. San. I.

Food " " R.C. Morrow B.V.V., C.S.I. (C).

Housing " " G.W. Kelly Gort. R. San. I., C.S.I. (C).

Sanitation & Hygiene " " A. Cross N.R.S.M., C.S.I. (C).

Laboratory Senior Technician H. Robished Gert. R. San. I.

Chief Health Loupector E. J. Right D.V.M., B.S.A., C.S.I. (C).

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replaced in 20 hotels. In some hotels it was necessary to insist that additional staff be hired and suitable brushes, vacuum cleaners etc., be provided so that a suitable standard of cleanliness could be maintained. Operators generally have co-operated in following suggestions made by the inspectors and are now maintaining their premises in a clean and sanitary condition.

A proposal made a few years ago to license rooming houses was abandoned as impractical. Instead it was decided to institute house-to-house inspection in those areas of the City where most of the rooming houses are located. Exclusive of premises previously inspected, some 400 houses were inspected in the survey. In more than 50% of these premises violations of health regulations were found and appropriate notices issued. Violations of By-laws noted that would be of interest to electrical, fire or the building inspectors were referred to the particular departments. Lists of the premises used as multiple family dwellings or rooming houses were forwarded to the Fire Chief so that the fire inspectors could make inspection of such premises. A re-check of the premises found to contain violations of health regulations was later made when it was found that more than 75% of the notices has been fully complied with. The policy of having Health inspectors make the primary inspections in such a house-to-house survey and referring noted violations to the other departments appears to have much to commend it.

Other inspectors are then free to devote attention to premises where there are known to be violations of the by-laws they are particularily concerned with.

DIVISION OF SANITATION & HYGIENE:

This Division is responsible for the routine inspection of factories, workshops, offices and office buildings; swimming pools; wading pools; schools; comfort-stations; 335 premises that require a permit from the Medical Health Officer; and 396 hairdressing establishments. In addition this Division reports on garbage and refuse in yards, lots, streets and lanes; on temporary surface closets for workmen; on noises; on smoke; dust and fumes; on offensive odours; on infestation of insects and rodents; and on the keeping of pigeons and poultry. The inspectors of the Division collect water samples for bacteriological analysis from swimming pools, wading pools and from the water mains at strategic points throughout the City.

There has been a reduction in the number of complaints regarding smoke, dust and fumes. A routine inspection of yards and lanes regarding the use of outside incinerators was the main reason for the fewer number of complaints.

During the months of July and August the Division of Sanitation & Hygiene assisted in supervising the operation of the thirty-four wading pools in Winnipeg. One Inspector was allotted full time to inspecting and instructing at the pools. At least once every four days, he obtained a water sample from each pool for bacteriolical analysis. He carefully tabulated the results of these analysis. In all 255 water samples were collected. Thirty-one of the thirty-four wading pools were re-modelled one year ago so that the 10,000 gallons of water in the pool was circulated every four to five hours. During circulation the water was filtered through a four foot pressure sand filter and also chlorinated to maintain a chlorine residual of 0.5 parts per million. Orthotolidine tests for residual chlorine were made every two hours.

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In the absence of any suitable references it was decided to establish empirical standards that could be checked at the end of the season against the actual results secured from bacteriological examination. The standards set for 1961 season were:

- (1) Arithmetic average of accepted samples 100 coliform per 100 ml.
- (2) Maximum count not to exceed 250 coliform per ml.
 - (3) With the exception that one sample in eight (over 250) would be thrown out.

The season (July and August) consisted of very sunny, dry, hot days with the temperatures ranging from 85° F. to over 90°F. This sort of weather can play havor with the chlorine residual in a shallow wading pool and a wading pool is very attractive to children in this kind of weather and the attendance was above normal. In spite of what appeared to be abnormal conditions twenty-seven of the thirty-one remodelled wading pools met the empirical standards. The four pools that did not meet the suggested standards had arithmetic averages of 104, 133, 147 and 154 respectively. Of the twenty-seven pools that met the standards, 70% of them had counts of less than 50 coliforms per ml., and 60% had less than 20 coliforms per ml. These results are gratifying especially so when one considers the sparse number of hours of tuiton that the pool operators received before the season opened. The continuous inspection and instruction given by the health inspector during the two month season is a real asset in the proper and desirable operation of the wading pools.

Starting last January this Division commenced inspections of all hairdressing establishments i.e. barbershops and beauty parlors. Towards the end of 1960 a new division (Division 12-Part V) was added to the regulations under the Public Health Act and all hairdressing establishments must now comply with these regulations before a permit is issued by the Health Department. This permit is sent to the Provincial Department of Labour, who in turn issue a license. The Health Department permit must be obtained annually.

The Division continues an effective control over pigeons. One of the district inspectors holds a permit, from the Chief of Police, to shoot pigeons up until 7.15 a.m. each day. During the past year some 2,442 pigeons were shot.

The continued routine inspection of factories and workshops keeps the number of complaints well under control. Where necessary in these premises checks are made re ventilation, heating, lighting, insect and rodent infestation and sanitary facilities. Fewer complaints are being received with regard to the emission of smoke, dust and fumes from factories and workshops. This is the benefit from routine inspections.

Towards the end of the year eighty-seven schools in the Winnipeg School Division No.1 were inspected with regard to the number of sanitary facilities available to each sex. The findings were compared to the table given in Part 111, Division 11 of the Regulations under the Public Health Act and a complete report forwarded to the school authorities.

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Last March the inspectors of the Division attended the Annual Institute for Sanitary Inspectors held at the University of Manitoba. Attendance at this Institute is a real asset and benefit to our inspection staff. Three inspectors took part in a three day short course for swimming pool operators sponsored jointly by the City of Winnipeg Health Department and the Provincial Department of Health. One inspector of this Division is taking a correspondence course in pest control technology sponsored by the Department of Entomology, Purdue University.

The staff of the Division includes a principal inspector, one grade lll inspector and seven grade ll inspectors. During 1961 this staff made 19,351 inspections and re-inspections and dealt with 6,711 defects requiring 6,447 notices.

FOOD DIVISION:

Changes in the methods of processing, preserving, packaging, distributing and serving food are continually taking place. Food inspectors must keep abreast of new developments in the industry to recognize and deal with situations which could be detremental to health.

During the past year there was an increase in the number of food vending machines. The machines are licensed after inspection is made to ensure that they are suitable for the purpose intended, whether it be the vending of sandwiches, coffee, pastry or some other food product.

There has been an increase in the number of drive-in restaurants which requires frequent inspection to ensure that in addition to the food preparation being satisfactory, that the garbage and refuse is properly stored and the surrounding area kept free of litter.

Routine inspection of restaurants, canteens, bakeries and other food premises was continued.

Plans for the construction of new premises and alterations to old premises where food is processed, served or stored were reviewed and changes required where it was considered necessary. This procedure has been of inestimatable value in ensuring that the premises were constructed or altered so that the area, equipment etc., was suitable for the particular type of premises. Particular attention was paid to facilities for the storage and refrigeration of food and the proper cleansing of equipment and utensils.

Cordial relations existed between the department and other government agencies interested in various phases of food control and between persons activately engaged in the food industry.

DAIRY DIVISION:

Sales of fluid milk totalled 134,081,000 lbs in 1961 as compared with 133,563,035 lbs in 1960 and 129,730,678 lbs in 1959. This increased volume was produced by 883 producers in 1961, as compared with 934 in 1960 and 1018 in 1959.

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The increase in the average volume of milk shipped by each producer has been brought about by the greater specilization and the installation of labour saving equipment on the farms. As an example 153 bulk milk tanks were installed during 1961, making a total of 172 bulk tanks in use at the end of the year.

Our inspectors reviewed plans for milk houses and supervised the installation of bulk tanks to ensure that equipment necessary for the washing and sanitizing of the tanks etc., was available and that the milk could be held free of contamination at a suitably low temperature.

During the year each producer's milk was tested twice monthly for keeping quality with producers receiving a bonus from the milk plant for milk grading number one in the resazurin test. Producers whose premises or quality of milk did not meet required standards had their permits to ship milk cancelled. The quality of milk received at the plants improved during the year and met the recognized standards.

Frequent tests conducted on samples of milk, cream, ice cream etc., collected from retail outlets indicate that these products meet required standards for safety and wholesomeness. No illness due to milk or milk products were reported during the year.

Tabulated reports of the various divisions follow.

E.J. Rigby, D.V.M., Chief Health Inspector.

The increase in the average solute of this sistent by apply duping the best been brought about by one greater appointed and the restallables of labour believed to the such the sound and state of the sound of the sound of the real during 1961, making the tell of 1981, being in ups to the end of the rear. Our imageotors proviewed place tegrally boused and suctive and and satisficially of the banks rio, was available one that the tolk within the held free of contamination at a sate of the temperature. Curing the year each producerts allk was tested twice monthly for keeping of the will with grant receivable a form when the latter plant for wills grading number over the too pengamen the companies of the restaurance of mills and need in golden and the second state the second second and the second seco recognized standards. Prequent testa applying ad on any old of the constant of the c for palety and whologonomess, he dilings are to mile or Miler passaces were were the careful during the year. available templated the various divisions follows

HOUSING DIVISION

Primary inspections of dwellings Primary inspections of rooming houses and	513	-
Primary inspections of apartment blocks, duplexes,	433	
dwellings connected to commercial premises, hot	els	
nursing homes, welfare institutions	329	
Other inspections and reinspections	6827	_
	8102	2
Violations of the Health Act Regulations remedied	duri	ng
the year under orders from the Housing Division:		
Overcrowding remedied	92	families
Damp or dark cellars vacated		cellara
Dark, low ceilinged attics vacated	23	attics
dark attics	35	abtics
Bed bugs exterminated		buildings
Cockroaches exterminated		buildings
Rats exterminated		properties
Mice exterminated		buildings
Defective cellars repaired	42	buildings
Leaky roofs repaired	51	buildings
Walls, ceilings, floors repaired	238	buildings
Defective eavestroughing repaired or renewed	50	buildings
Defective heating equipment repaired or renewed.		buildings
Fly screens and/or storm sashes provided		buildings
Defective plumbing repaired	254	buildings
Additional plumbing installed to comply with		
regulations		buildings
Hot water facilities provided or improved		buildings
Additional heat provided		buildings
Redecorated		buildings properties
Garbage nuisances corrected		buildings
Gas stoves removed from bedrooms		buildings
Leaky gas stoves repaired or renewed		buildings
Floor coverings renewed		buildings
Additional electric light provided		buildings
Blinds provided for windows) (
repaired or renewed	14	buildings
Filthy or dilapidated furniture cleaned, repaired		-
or renewed	11	buildings
Floors, walls washed		buildings
Miscellaneous defects remedied	286	buildings

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Notices Issued: Verbal warnings - 3496

Formal Notices - 1909

Complaints attended to:

Lack of heat Other complaints - 1104

Houses placarded "Unsanitary"

9 Police Court Summonses issued (5 convictions, 1 dismissal, 3 withdrawals)

Convictions

Insufficient heat	\$53.30 23.30
Inadequate supply of hot water	13.30 18.30
Fail to exterminate cockroaches	20.20
Total fines (including costs of court)	\$128.40

Violations of other by-laws discovered by our inspectors and referred in writing to the proper departments for their action:

Electrical inspectors - hazardous wiring- Fire inspectors - fire hazards- Building inspectors - other safety hazards-	81 232	buildings buildings buildings
Zoning inspectors - zoning violations-		buildings
Plumbing inspectors - illegally installed plumbing-	7	buildings
Weed inspector-	5	properties
Children's Aid Society-	7	families
Public Welfare Department-	5	families
		buildings
Gas Company - leaks-		buildings
Other referrals-		-
Total referrals in writing -	699	
		-

Tha above-listed referrals have been given attention by the various civic and metropolitan departments and agencies, and hundreds of hazards to safety have been remedied.

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FOOD DIVISION

Abattoirs Bakeries Banquet Halls Beer Parlors Brewery's & Bottling Plants Candy Manufacturers Canteens & Hotel Kitchens Caterers Cereal Mills Cocktail Lounges Dance Halls Egg & Poultry Wholesale Fish-Filleting, Cold Storage etc. Frozen Food Locker Plants Ice Houses and Depots Pickle & Vinegar Factories Poultry Slaughterhouses Private Clubs Producers' Markets, Vegetable stalls Restaurants Retail Food Stores, Grocers, Butchers etc. Sausage Manufacturers Wholesale - Groceries & Vegetables Fires in Food premises Vehicles Vending Machines Special Calls Ice Cream Machines	INSPECTIONS 1 514 178 162 11 51 203 229 8 224 126 11 59 24 23 16 49 32 151 5031 4108 135 133 59 104 291 590 1	15 168 61 93 58 23 110 77 28 162 46 8 63 15 1 1 208 900 119 39 112 21 15 362
Complaints 268		
Notices: Verbal 6263 Samples: Wate	i 167	18 77 38
Condemnations (Destroyed in City Incinerator) Candy	582 lbs 428 lbs 044½ lbs 37 lbs 458 lbs 37 lbs 937 lbs	

FOOD DIVISION

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DAIRY DIVISION

COUNTRY:	INSPECTIONS	CONTACTS
Milk Producers	2797	948
Prospective Producers	61	7
Bulk Milk Tanks	789	-
CITY:		
Pasteurization Plants,	227	1922
Ice Cream Manufacturers;	335	
Counter Freezers	448	
Butter Plants	178	
Cheese Plants	175	
Milk Trucks Inspected	951	
Tanker Trucks Inspected	196	
Vehicles - Delivery	66	
SAMPLES TAKEN:		
Milk Retail 1596		
Milk Shippers 34261		
Milk Special		
Cream 529		
Ice Cream		
Bottles for Sterility		
Water 63		
GENERAL:		
Special Calls 1018		
Complaints		
Permits Issued		
TOTAL CONTROL STORY		
Milk Rejected - Lbs 450		
Letters sent re: Premises 991		
Letters sent re: Quality of Milk 4579		
Letters sent re: Milk Cans 14		
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Cans Rejected		
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Tomporation of Tomor Providence		
BACTERIOLOGICAL LABORATORY	_	2770
WATER ANALYSISStandard Plate Count		3112
Presumptive Test		3112
Confirmed Test		1357 2067
MILK & CREAM Standard Plate Count		1929
Babcock Test		2096
Coliform Test		2065
Phosphatase Test		35187
Resazurin Test		591
ICE CREAM Standard Plate Count		676
Colliform Test		60
MILK BOTTLES Bacterial Test		
DIAGNOSTIC Diphtheria Swabs	• • • • • • • • • • • • • • • • • • • •	21
Urinalysis		352 1
Sputa for T.B		
The state of the s	mom i T	FO 606
	TOTAL	52,020

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DIVISION OF SANITATION AND HYGIENE

Licensed:	Inspections
Billiard Parlors	120
Bowling Alleys	53
Dog Kennels	9
Hatcheries and Pet Shops	39
Junk Yards	176
Laundries	126
Massage Parlors	82
Poultry Keepers	6
Second-hand Stores	226
Skating Rinks	
Soap Manufacturing	21 2
Tennenies and Hide Curing	
Tanneries and Hide Curing	4 2 2
Undertaking Parlors	24
Stable	
Total	887
Unlicensed:	
OFFICES, WORKSHOPS & FACTORIES	6637
OFFICES, WORRESHOFS & PROTORTIES	
Air Pollution	143
Comfort Stations	98
Garbage and Refuse	3800
Lanes, Streets and Lots	4095
Outbuildings	81
Schools	125
	559
Swimming Pools	388
Wading Pools	1
Wells	1969
Workmen's Closets	748
Miscellaneous	12007
Total	14017
Total number of inspections	19531
Interviews	2402
Estimated value of repairs	\$13004.00
	10
Complaints	
1103604010113	
Fines \$78.50	
Notices: Verbal 5492	
Letter 316	
Informal	
Specification 35	
Mandatory118	
Total 6447	
	3535
Water Samples and Deliveries	2227

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Defects discovered and dealt with:

Bedding and Upholstery		200
Cleanliness, Lack of		20
Common Dainking Cund		373
Common Drinking Cups		129
Covered Waste Receptacles		36
Dampness		1
Drinking Facilities (Water)		46
Garbage and Refuse		2120
Gas Installations		1
Heating: Lack of		67
" Furnaces & Equipment		i
" Chimneys, Ducts and Piping		9.001
Lanes, Streets and Lots		2085
Lighting: Natural or artificial		17
Noises		28
		2
Overcrowding		20
Plumbing: Lack of		
Delective		56
TITERATTY INSUALIEG		8
Tribut Teterio		72
Dirty rixtures		188
" Legible Signs, Lack of		72
" No Water Supply		2
" No Hot Water		1
" Privacy, Lack of		5
Pigeons and Poultry, Illegal		57
Rest Rooms: Lack of		1
" Dirty		7
" Furnishings		3
" Matron, Lack of		917.02
Rodents: rats		41
" mice, others		6
Smoke, Dust, Fumes, Odors		323
		81
Soap and Towels, Lack of		5
Stagnant Water Structural Defects: Roofs & Ceilings		23
		6
" Eavestroughing & R.W.L		40
OGITALS, ILOUIS and WALLS		1
" Screen doors & windows		1
" Storm doors & windows		1
Swimming Pools, Wading Pools		5
Ventilation		31
Vermin		20
Workmen's Closets		331
Miscellaneous		378
Total defects and irregularities	_	6711
	-	

DIVISION OF SANITATION AND HYGIENE (.b. 5000)

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CITY HEALTH DEPARTMENT

Summary of Expenditures, 1961 (to nearest dollar)

(a)	Personal Services \$	478,384.00
(b)	Outside Services	83,129.00
(c)	Materials, Supplies and Repairs	78,147.00
(d)	Equipment, Additions and Replacements	2,893.00
(e)	Fuel, Water, Light and Power	70.00
(f)	Other Expenses	1,399.00
(h)	Automobile Expense	17,037.00
	\$	661,059.00

Expenditures by Branches, 1961 (To nearest dollar)

		Total	Personal Personal	Other
C1-1	Administration and Statistics	\$ 33,393.00	29,952.00	3,441.00
C1-2	Communicable & Other Diseases	122,051.00	34,548.00	87,503.00
C1-3	Inspection Services & Laboratory	129,307.00	115,977.00	13,330.00
C1-4	Child Medical Services	31,981.00	4,417.00	27,564.00
C1-5	Child Dental Services	79,620.00	41,583.00	38,037.00
C1-6	Public Health Nursing	239,666.00	228,371.00	11,295.00
C1-7	National Health Grants (City's Share)	25,041.00	23,536.00	1,505.00
		\$661,059.00	478,384.00	182,675.00

Cost Per Capita\$2.45

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CITY HEALTH DEPARTMENT

Projects Under National Health Grants

Summary of Expenditures, 1961 (to nearest dollar)

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) Personal Services) Outside Services) Materials, Supplies and Repairs) Automobile Expense	
\$96,65	89,633.00 1,130.00 1,383.00 4,513.00	Total
	3.00 66,097.00 0.00 1,021.00 3.00 168.00 4,332.00	
	23,536.00 109.00 1,215.00 181.00	

Expenditures by Projects, 1961 (to nearest dollar)

Recoverable Under National Health Grants Cost to City of Winnipeg		C1-7(4)	C1-7(3)	C1-7(2)	
	Total	Assistance to Health Services - Nursing	Assistance to Health Services - Inspections	Registry of Handicapped Children	Service
rants	\$96,659.00	21,589.00	71,117.00	3,953.00	Total
\$71,618.00	\$66,097.00	15,356.00	47,171.00	3,570.00	Recoverable Under National Health Grants Personal Other
	\$5,521.00	457.00	5,064.00		Other
\$25,041.00	\$23,536.00	5,400.00	18,136.00		Cost to City of Winnipeg Personal Oth
	\$1,505.00	376.00	746.00	383.00	ty of g Other

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