



POLIOMYELITIS TRENDS, 1958

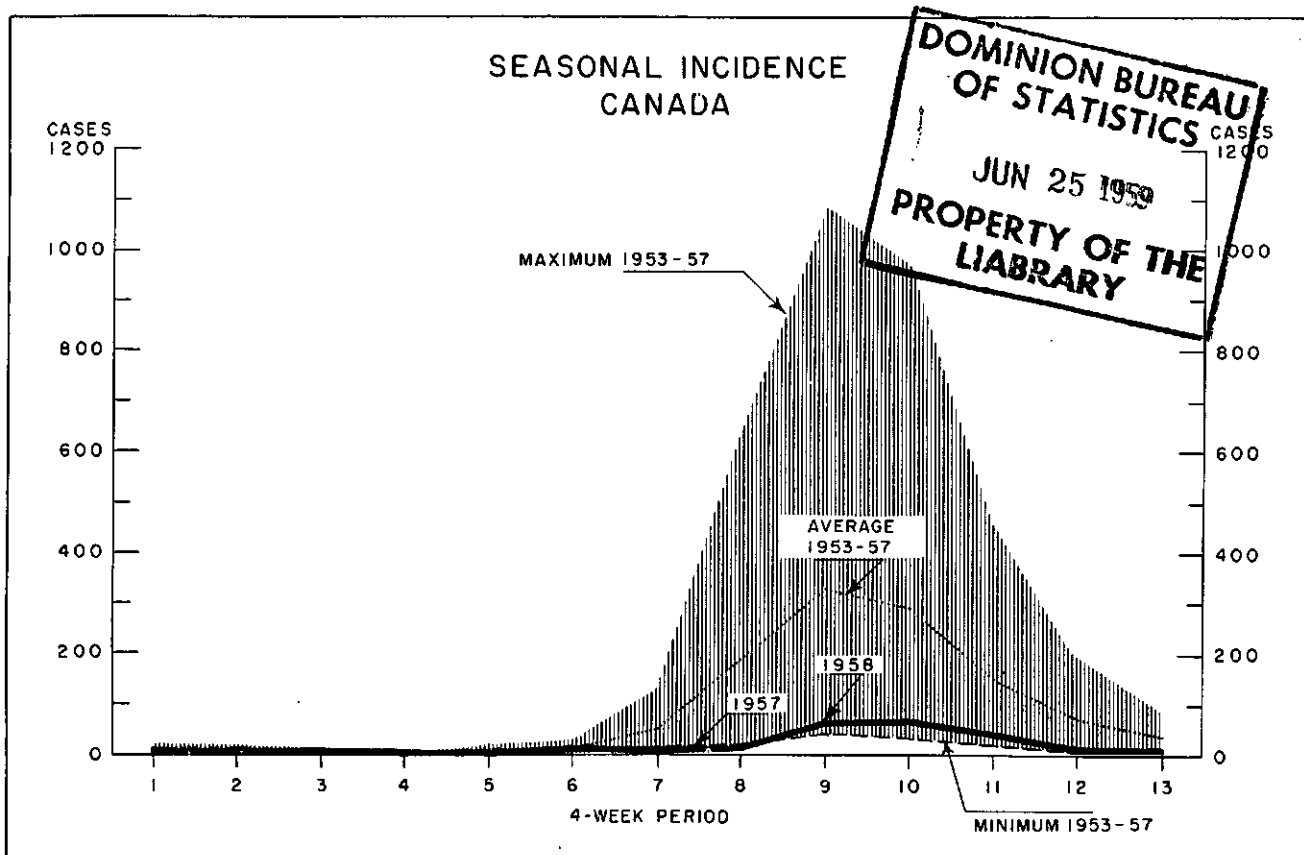
This bulletin is intended to present, at an early stage of the new poliomyelitis year, the 1958 figures for reported cases of poliomyelitis against the background of data for previous years. No attempt is made here to evaluate the expanding vaccination program and the extent to which it may have influenced the incidence of the disease in 1958.

Data shown in this report are confined to paralytic poliomyelitis only. It may be noted that the Dominion Council of Health at its 74th meeting in October 1958 recommended that for the purposes of national reporting and statistics the term non-paralytic poliomyelitis be replaced by "meningitis, viral or aseptic" with the specific viruses shown where known.

The incidence of poliomyelitis in Canada showed a slight increase in 1958 as compared with 1957 (1.5 per 100,000 population as compared with 1.0). The increase was accounted for by the higher rates in three provinces, namely, Manitoba, Quebec, and Newfoundland. In the remaining provinces the rates were lower in 1958 than in 1957.

The figures for 1958 are preliminary and subject to minor changes, particularly due to the fact that in the case of some of the deaths it has not been possible to ascertain whether the disease had been contracted during the year 1958.

Deaths shown are those where poliomyelitis is given as the underlying cause. These figures are supplied by the Vital Statistics Section.



Prepared in the Health and Welfare Division
Public Health Section

June, 1959
9005-525

TABLE 1. Cases by 4-week period, Canada,¹ 1949-58

4-week period	1949	1950	1951	1952 ²	1953 ²	1954	1955	1956	1957	1958
	cases									
Total	1,160	284	1,148	1,442	3,691	1,163	551	369	172	249
1	5	6	6	7	17	20	13	5	6	4
2	1	26	2	4	12	20	11	13	5	2
3	1	4	1	8	6	18	11	6	2	5
4	3	3	2	3	6	9	9	7	6	2
5	5	3	4	5	12	25	9	7	3	2
6	8	5	4	8	30	29	18	5	8	13
7	52	6	34	48	133	58	45	10	14	10
8	296	62	180	216	659	147	90	33	20	17
9	387	82	363	384	1,090	266	148	93	41	65
10	238	51	295	344	971	295	85	74	35	66
11	124	16	161	235	460	157	56	48	22	44
12	33	14	75	129	203	78	33	37	5	10
13	7	6	21	51	92	41	23	31	5	9

¹ Excluding the Northwest Territories.

² Cases in Alberta not reportable by type.

TABLE 2. Cases and rates, 1949-58

Year	Canada ¹	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon
	Cases											
1949	1,160	3	—	82	40	498	406	1 ²	51	66	16	—
1950	284	3	—	10	9	77	113	6	34	32	—	—
1951	1,148	4	1	205	15	187	619	37	57	22	1	—
1952	1,442	2	3	41	67	23	269	410	447	—	180	—
1953	3,691	162	6	25	13	256	985	1,480	357	—	407	—
1954	1,163	14	49	63	7	498	94	66	41	221	110	—
1955	551	12	11	55	6	86	75	15	20	125	146	—
1956	369	3	3	9	7	125	127	15	7	35	37	—
1957	172	1	—	—	5	27	54	8	20	31	26	1
1958	249	4	—	—	4	79	20	107	1	22	12	—
	Rate per 100,000 population											
1949	8.9	—	—	13.0	7.9	12.8	9.3	0.1 ²	6.1	7.5	1.4	—
1950	2.1	0.9	—	1.6	1.8	1.9	2.5	0.8	4.1	3.5	—	—
1951	8.2	1.1	1.0	31.9	2.9	4.6	13.5	4.8	6.9	2.3	0.1	—
1952	10.7	0.5	3.0	6.3	12.7	0.6	5.6	51.4	53.0	—	14.9	—
1953	26.7	42.3	5.9	3.8	2.4	6.0	19.9	182.9	41.5	—	32.6	—
1954	7.6	3.5	48.5	9.4	1.3	11.3	1.8	8.0	4.7	20.9	8.5	—
1955	3.5	3.0	11.0	8.1	1.1	1.9	1.4	1.8	2.3	11.5	10.9	—
1956	2.3	0.7	3.0	1.3	1.3	2.7	2.3	1.8	0.8	3.1	2.6	8.2
1957	1.0	0.2	—	—	0.9	0.6	1.0	0.9	2.3	2.7	1.7	—
1958	1.5	0.9	—	—	0.7	1.6	0.3	12.3	0.1	1.8	0.8	—

¹ Excluding the Northwest Territories.

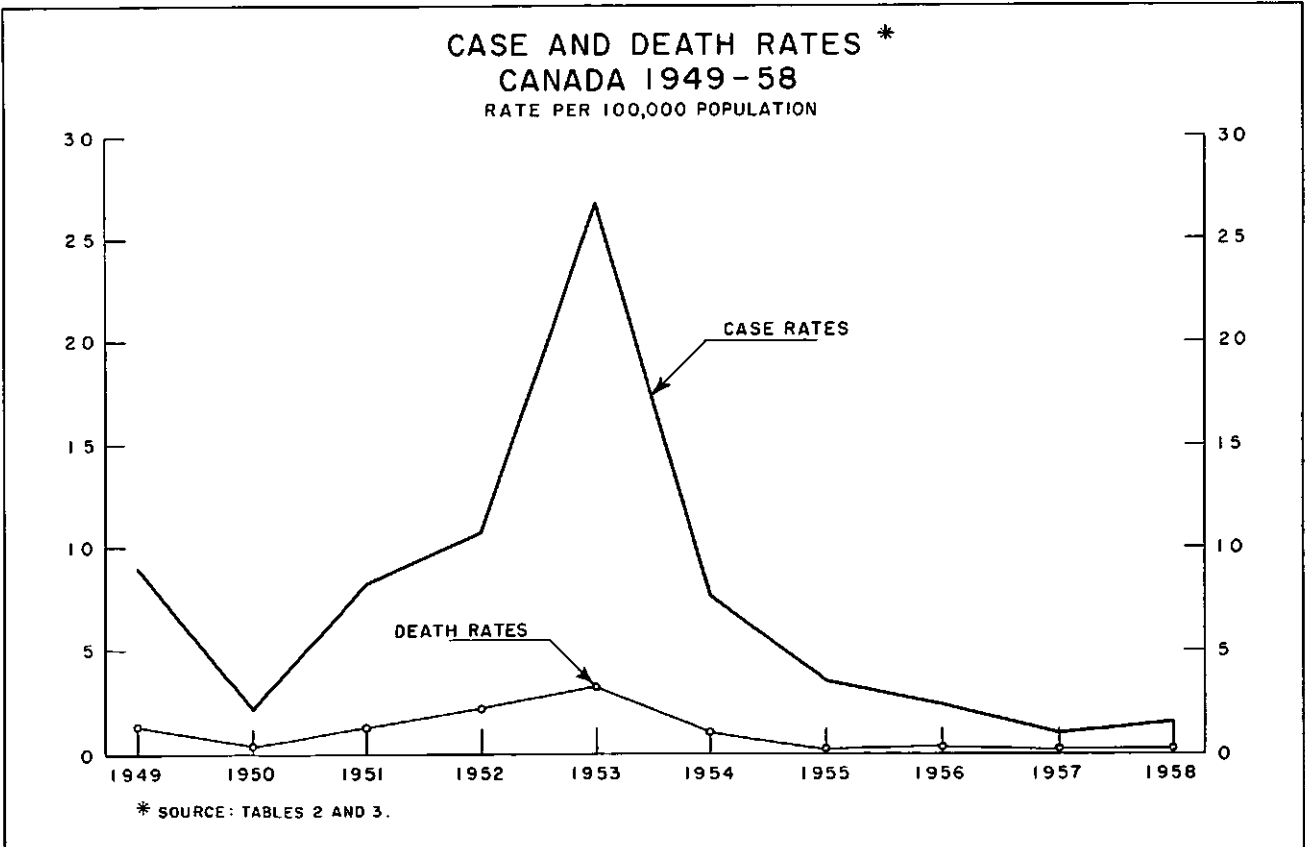
² The 1949 Annual Report of the Department of Health for the Province of Manitoba indicates that 64 (rate of 8.5) out of 114 newly reported cases suffered various degrees of paralysis.

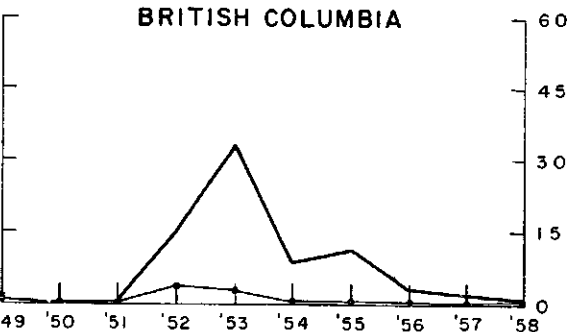
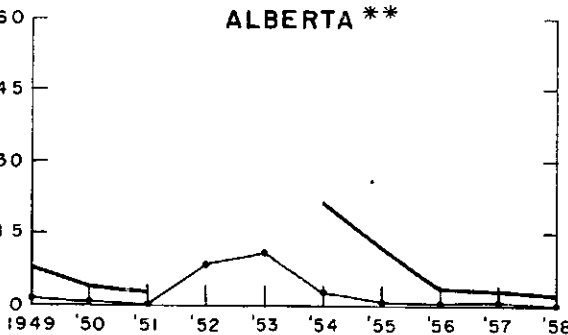
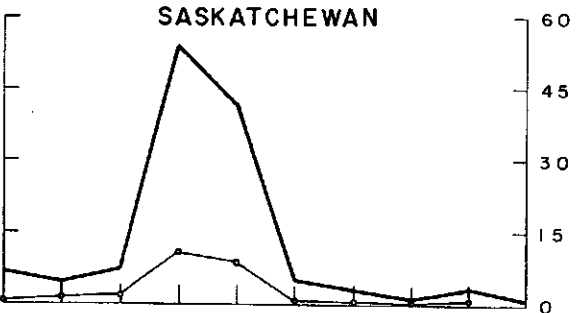
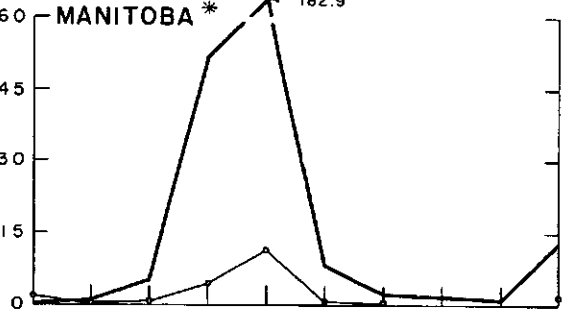
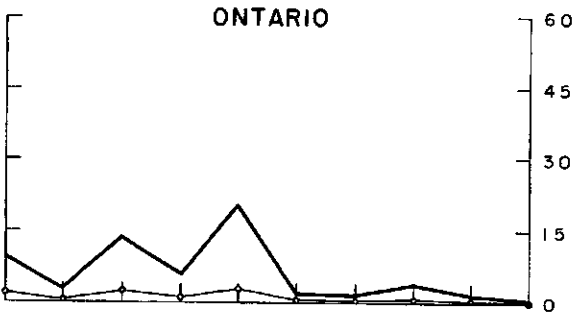
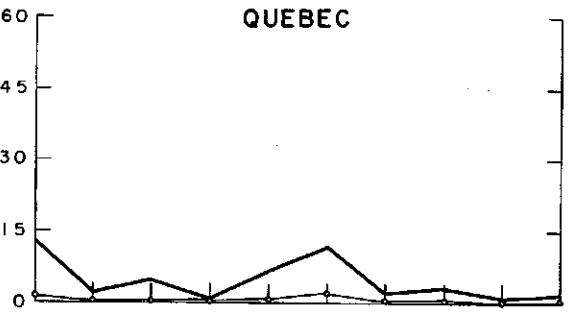
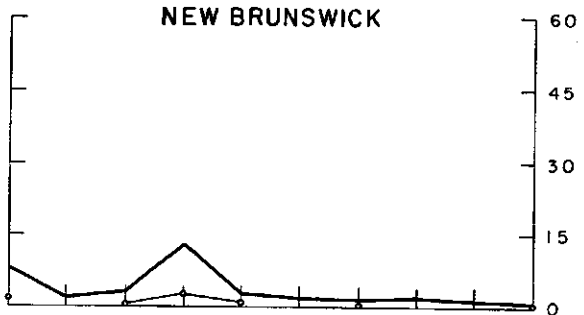
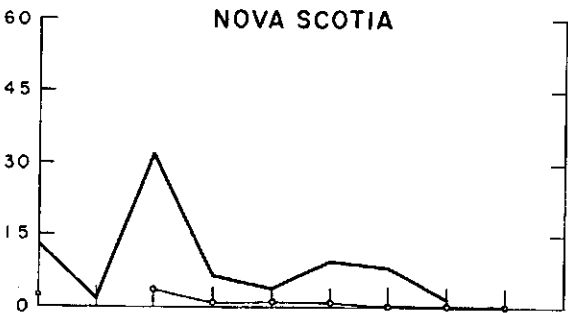
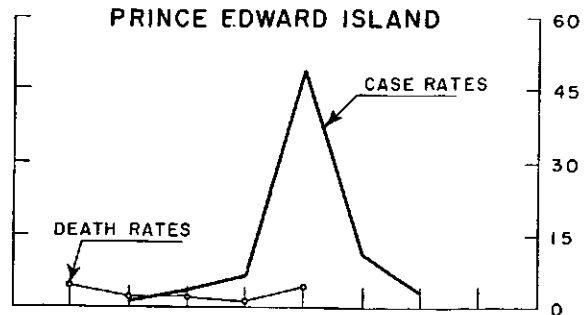
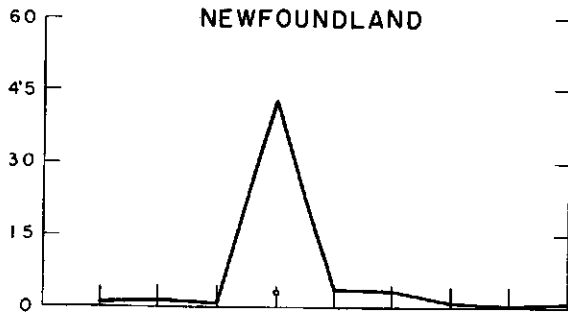
³ Cases in Alberta not reportable by type.

TABLE 3. Deaths and rates, 1949-58

Year	Canada ¹	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon
Deaths												
1949	175	-	-	13	7	44	82	11	6	9	3	
1950	41	-	4	-	-	8	9	1	9	8	2	
1951	162	-	2	23	2	10	101	4	12	2	6	
1952	311	-	2	6	11	12	46	25	90	79	40	
1953	481	11	1	6	5	33	124	91	72	108	30	
1954	157	-	4	6	-	80	21	5	7	28	6	
1955	36	-	-	1	1	13	6	1	5	4	5	-
1956	51	-	-	1	-	27	13	-	3	3	4	-
1957	26	-	-	1	-	6	8	-	4	6	1	-
1958	26	-	-	-	1	5	5	11	-	1	3	-
Rate per 100,000 population												
1949	1.3	-	-	2.1	1.4	1.1	1.9	1.5	0.7	1.0	0.3	
1950	0.3	-	4.2	-	-	0.2	0.2	0.1	1.1	0.9	0.2	
1951	1.2	-	2.0	3.6	0.4	0.2	2.2	0.5	1.4	0.2	0.5	
1952	2.2	-	2.0	0.9	2.1	0.3	1.0	3.1	10.7	8.1	3.3	
1953	3.2	2.9	1.0	0.9	0.9	0.8	2.5	11.2	8.4	10.7	2.4	
1954	1.0	-	4.0	0.9	-	1.8	0.4	0.6	0.8	2.6	0.5	
1955	0.2	-	-	0.1	0.2	0.3	0.1	0.1	0.6	0.4	0.4	-
1956	0.3	-	-	0.1	-	0.6	0.2	-	0.3	0.3	0.3	-
1957	0.2	-	-	0.1	-	0.1	0.1	-	0.5	0.5	0.1	-
1958	0.2	-	-	-	0.2	0.1	0.1	1.3	-	0.1	0.2	-

¹ Excluding the Northwest Territories.





* SEE FOOTNOTE 2, PAGE 2
** CASES NOT REPORTABLE BY TYPE IN 1952 AND 1953.

TABLE 4. Cases by age, 1949-58
Six reporting provinces

Year	Total	Age group					
		Under 1 year	1-4	5-14	15-19	20 years and over	Not specified
cases							
1949	174	1	29	65	19	53	7
1950	84	3	23	30	9	18	1
1951	136	3	30	56	14	29	4
1952 ¹	1,106	34	228	396	116	315	17
1953 ¹	2,419	84	568	820	165	758	24
1954	459	16	84	164	50	138	7
1955	324	7	79	95	29	111	3
1956	104	2	27	27	4	43	1
1957	91	3	27	15	4	40	2
1958	150	8	44	29	6	62	1

¹ Cases in Alberta not reportable by type.

TABLE 5. Percentage of cases by age, 1949-58
Six reporting provinces

Year	Total	Age group					
		Under 1 year	1-4	5-14	15-19	20 years and over	Not specified
per cent							
1949	100.0	0.5	16.7	37.4	10.9	30.5	4.0
1950	100.0	3.6	27.4	35.7	10.7	21.4	1.2
1951	100.0	2.2	22.1	41.2	10.3	21.3	2.9
1952 ¹	100.0	3.1	20.6	35.8	10.5	28.5	1.5
1953 ¹	100.0	3.5	23.5	33.9	6.8	31.3	1.0
1954	100.0	3.5	18.3	35.7	10.9	30.1	1.5
1955	100.0	2.1	24.4	29.3	9.0	34.3	0.9
1956	100.0	1.9	26.0	26.0	3.8	41.3	1.0
1957	100.0	3.3	24.7	16.5	4.4	44.0	2.1
1958	100.0	5.3	29.3	19.3	4.0	41.3	1.7

¹ Cases in Alberta not reportable by type.

TABLE 6. Age specific case rates, 1949-58
Six reporting provinces

Year	Total	Age group				
		Under 1 year	1-4	5-14	15-19	20 years and over
rate per 100,000 population						
1949	3.9	0.9	7.2	8.3	5.3	1.9
1950	1.9	2.6	5.4	3.8	2.6	0.6
1951	3.0	2.6	6.7	6.8	4.1	1.0
1952 ¹	29.5	34.7	62.4	57.5	42.5	13.6
1953 ¹	63.1	83.3	152.1	113.8	59.5	32.1
1954	9.2	11.8	17.3	17.1	13.8	4.5
1955	6.3	5.1	15.8	9.5	7.8	3.6
1956	2.0	1.4	5.2	2.6	1.1	1.4
1957	1.7	2.1	5.0	1.4	1.0	1.2
1958	2.7	5.5	7.8	2.5	1.5	1.9

¹ Cases in Alberta not reportable by type.

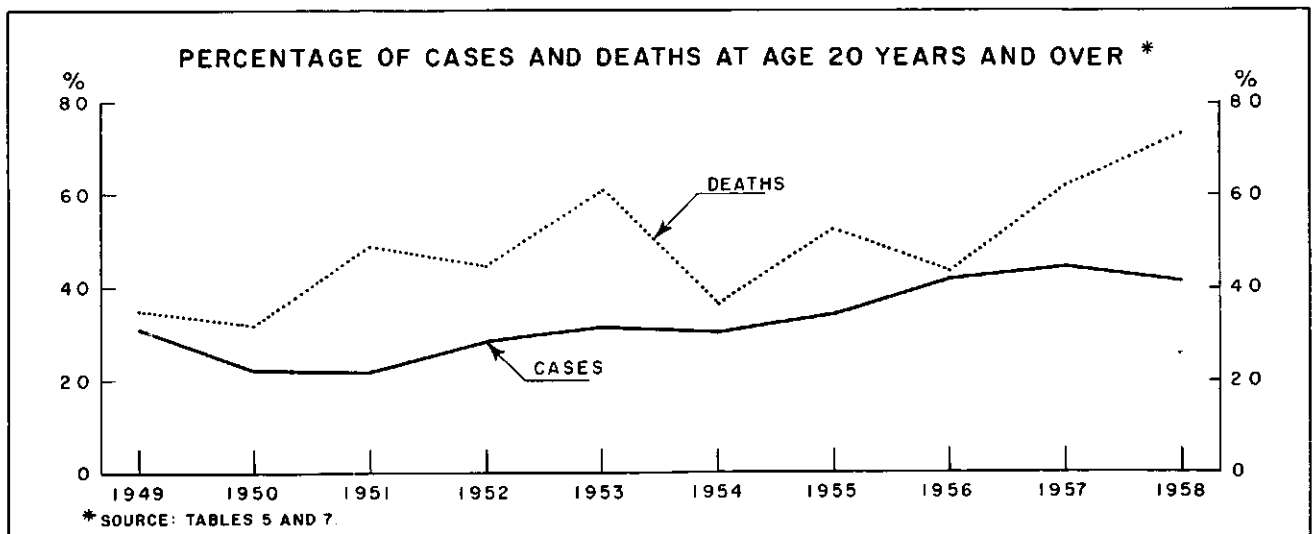
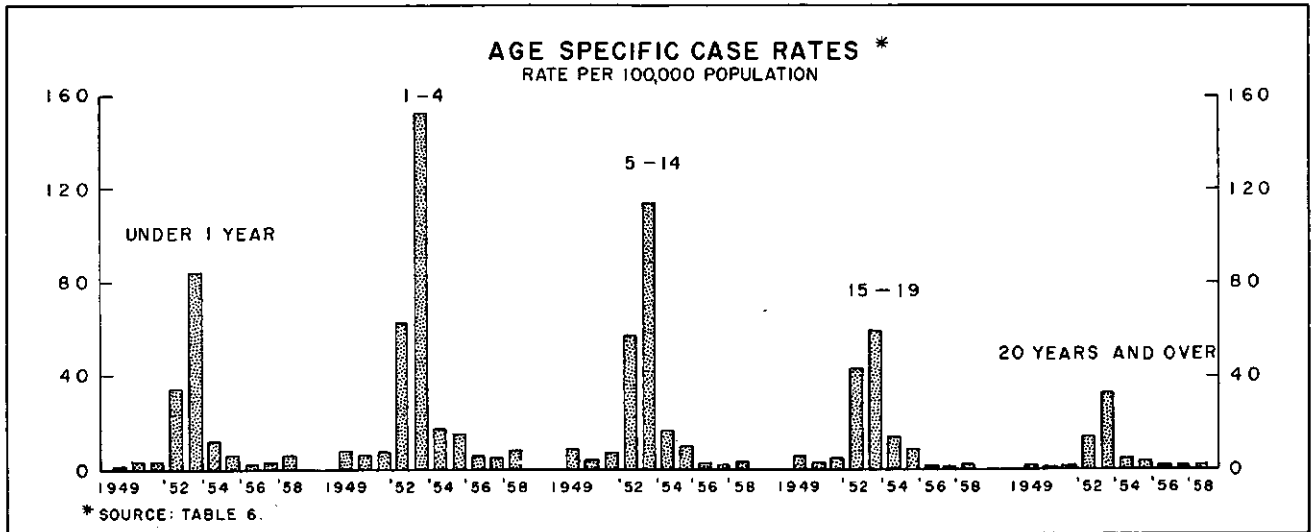
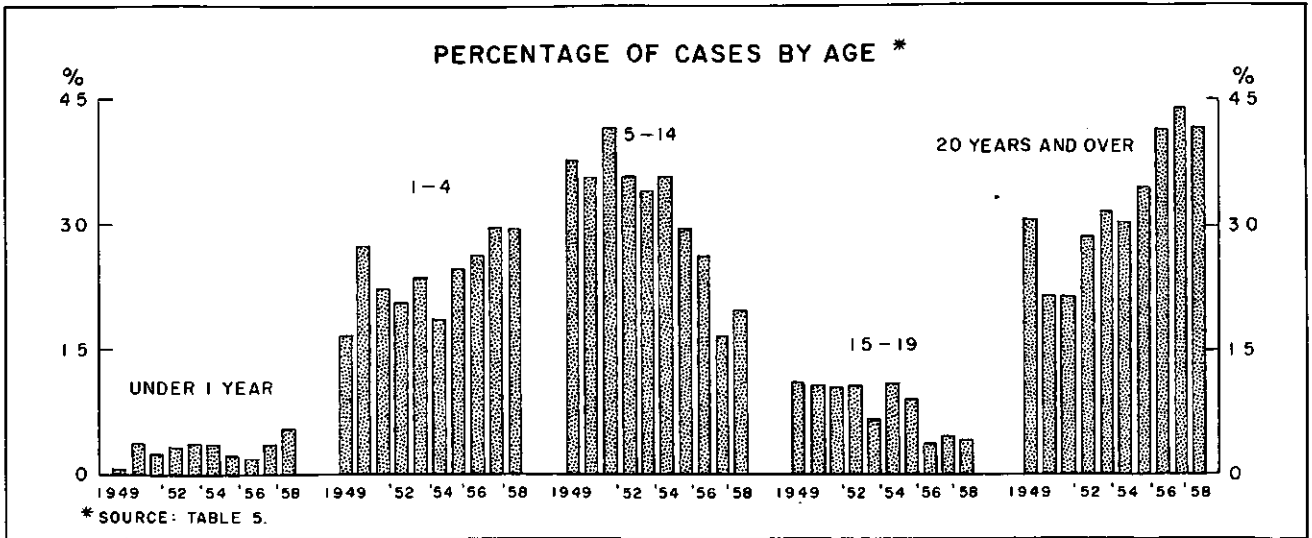


TABLE 7. Percentage of deaths by age, Canada, 1949-58

Year	Total	Age group				
		Under 1 year	1-4	5-14	15-19	20 years and over
		per cent				
1949.....	100.0	5.1	9.1	37.2	13.7	34.9
1950.....	100.0	4.8	9.8	31.7	22.0	31.7
1951.....	100.0	2.4	7.4	24.7	16.7	48.8
1952.....	100.0	3.5	10.6	31.9	9.6	44.4
1953.....	100.0	2.5	7.7	19.8	9.1	60.9
1954.....	100.0	3.8	23.6	29.3	6.4	36.9
1955.....	100.0	—	22.2	13.9	11.1	52.8
1956.....	100.0	—	27.5	25.5	3.9	43.1
1957.....	100.0	—	15.4	11.5	11.5	61.6
1958.....	100.0	3.8	23.1	—	—	73.1

TABLE 8. Age specific death rates, Canada, 1949-58

Year	Total	Age group				
		Under 1 year	1-4	5-14	15-19	20 years and over
		rate per 100,000 population				
1949.....	1.3	1.6	—	2.7	2.2	0.7
1950.....	0.3	0.4	—	0.5	0.8	0.2
1951.....	1.2	0.9	—	1.6	2.6	0.9
1952.....	2.2	3.0	2.3	3.7	2.8	1.5
1953.....	3.2	3.1	2.6	3.4	4.0	3.2
1954.....	1.0	1.5	2.5	1.6	0.9	0.6
1955.....	0.2	—	0.5	0.2	0.4	0.2
1956.....	0.3	—	0.9	0.4	0.2	0.2
1957.....	0.2	—	0.2	0.1	0.2	0.2
1958.....	0.2	0.2	0.1	—	—	0.2

TABLE 9. Case fatality rates, Canada, 1949-58

Year	Canada ¹	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon
	rate per 1,000 notifications											
1949.....	150.9	—	—	158.5	175.0	88.4	202.0	—	117.6	136.4	187.5	—
1950.....	144.4	—	—	—	—	103.9	79.8	166.7	264.7	250.0	—	—
1951.....	141.1	—	—	112.2	133.3	53.5	163.2	108.1	210.6	90.9	—	—
1952.....	215.7	—	666.7	146.3	164.2	521.7	171.0	61.0	201.3	—	222.2	—
1953.....	130.3	67.9	166.7	240.0	384.6	128.9	125.9	61.5	201.7	—	73.7	—
1954.....	135.0	—	81.6	95.2	—	160.6	223.4	75.8	170.7	126.7	54.5	—
1955.....	65.3	—	—	18.2	166.7	151.2	80.0	66.7	250.0	32.0	34.2	—
1956.....	138.2	—	—	111.1	—	216.0	102.4	—	428.6	85.7	108.1	—
1957.....	151.2	—	—	—	—	222.2	148.1	—	200.0	193.6	38.6	—
1958.....	104.4	—	—	—	250.0	63.3	250.0	102.8	—	45.5	250.0	—

¹ Excluding the Northwest Territories.

² Fewer cases reported than deaths.

³ Cases reported but no deaths.

⁴ Deaths reported but no cases.

⁵ Cases in Alberta not reportable by type.

SELECTED PUBLICATIONS ON HEALTH STATISTICS

Obtainable from Information Services Division,
Dominion Bureau of Statistics or Queen's Printer,
Ottawa, Canada.

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010491236

Cat. No.	PUBLIC HEALTH	Price
82-201	- Notifiable Diseases A., Bil. Number, rate and distribution of reported cases of notifiable diseases, mortality from these diseases, seasonal trends (.50 for 1957 Issue)	.75
82-202	- Home Nursing Services. A., E. Cases under home nursing care, number of visits by type of case (maternity or medical) by diagnosis and other characteristics (.50 for 1957 Issue)	1.00
82-203	- Illness in the Civil Service, Statistical Report. A., Bil. Study of incidence and duration of illness from data supplied by medical certificates of federal civil servants who were absent through illness .....	.75
82-204	- Poliomyelitis Trends, 1958 A., E. Summary of poliomyelitis incidence and mortality since 1949 Canadian Sickness Survey, 1950-1951. Study of family expenditures for health services, and volume of illness and medical care:	.25
82-501	- 1. Family Expenditures for Health Services (National Estimates) E. & F. ....	.25
82-502	- 2. Family Expenditures for Health Services by Income Groups (National Estimates) E. & F. ....	.25
82-503	- 3. Family Expenditures for Health Services by Expenditure Group (National Estimates) E. & F. ....	.25
82-504	- 4. Family Expenditures for Health Services (Regional Estimates) E. & F. ....	.25
82-505	- 5. Volume of Sickness (National Estimates) E. & F. ....	.25
82-506	- 6. Permanent Physical Disabilities (National Estimates) E. & F. ....	.25
82-507	- 7. Incidence and Prevalence of Illness (National Estimates) E. & F. ....	.25
82-508	- 8. Volume of Health Care (National Estimates) E. & F. ....	.25
82-509	- 9. Volume of Health Care for Selected Income Groups (National Estimates) E. & F. ....	.25
82-510	- 10. Illness Frequency by Diagnostic Classification (National Estimates) E. & F. ....	.25
82-511	- 11. Illness Frequency by Class of Illness, Age and Sex (National Estimates) E. & F. ....	.25
82-512	- Summary of Notifiable Diseases, 1924-1952 (annual supplements to 1958) R. No. 45, Bil. Summary of cases, case rates and deaths from notifiable diseases since 1924 .....	.75
82-514	- Tuberculosis Among Indians and Eskimos, 1950-1952 M.E. Analysis of tuberculosis sanatoria admission rates among the indigenous population .....	.25
82-516	- Influenza in Canada, Some Statistics on its Characteristics and Trends, M., E. Analysis of influenza incidence during the 1957 epidemic compared with data since 1950 .....	.50
82-517	- Tuberculosis Trends, 1958, E. Summary of tuberculosis incidence, admission rates and mortality since 1953 .....	.25
HOSPITALS		
83-201	- List of Hospitals A.E. List of hospitals operating during the year by type, province, auspices and number of beds .....	.75
83-202	- Hospital Statistics, Vol. I, General Information. A. Bil. Number of hospitals, medical staff, educational facilities, personnel, hours of work, services, and movements of patients with comparative figures for preceding years classified according to size, type, and ownership of hospital (.50 cents for 1957 Issue)	1.50
83-203	- Hospital Statistics, Vol. II, Financial Information A. Bil. Total income, total expenditures, assets and liabilities with comparative figures for preceding years, classified according to size, type and ownership of hospital	2.00
83-204	- Mental Health Statistics A. Bil. Beds, hospital facilities and services provided for patient care and training of staff, movement of patient population, mental morbidity statistics as reported by institutions, characteristics of patient population	2.00
83-205	- Mental Health Statistics, Financial Supplement. A. Bil. Operating revenue, operating expenditure, cost per patient-day, classified by province and type of institution .....	.25
83-206	- Tuberculosis Statistics. A. Bil. List of institutions, patients, hospitals, facilities and services provided for patient care, training of nurses, movement of patient population, hospital personnel, tuberculosis morbidity statistics as reported by institutions	2.00
83-207	- Tuberculosis Statistics, Financial Supplement. A. Bil. Operating revenue, operating expenditure and cost per patient-day of non-federal sanatoria .....	.25
VITAL STATISTICS		
84-001	- Vital Statistics Monthly Report. Bil. Registrations of births, marriages and deaths by province, with comparative and cumulative totals per year	1.00
84-201	- Vital Statistics Preliminary Report. A. Bil. General historical summary, population and vital statistics and rates by province, causes of death (total, infant, neo-natal and natural deaths), and rates by province .....	.25
84-202	- Vital Statistics A. Bil. The final printed report with data in detail; introductory summary and analysis of demographic and vital statistics trends since 1921, with cross-classifications	2.00
84-501	- Canadian Vital Statistics Trends, 1921-1954. R. No. 70 E. Consolidation of main vital statistics rates, with analytical comment .....	.25
84-502	- Mortality by Detailed Causes of Death, 1950-1955. R. No. 85 E. Number of deaths by detailed cause of the International Classification .....	.25
84-503	- Leading Causes of Death by Major Age Groupings. R. No. 81 E. Differential impact of leading causes of death on different age groups .....	.25
84-504	- Accidental Drowning, 1956. R. No. 82 E. Analysis of drowning deaths according to age and circumstances .....	.25
84-505	- Mortality from Accidental Falls, 1956. R. No. 85 E. Analysis of fatal accidental falls, by age, sex and circumstances. Deaths by province, 1941 to 1956 with a detailed analysis of 1956 data .....	.25
84-506	- Mortality from Accidental Poisoning, 1956. R. No. 86 E. Fatal accidental poisonings by age, sex and circumstances, 1941 to 1956 with a detailed analysis of 1956 data .....	.25
84-507	- Mortality from Home Accidents, 1956. R. No. 88. E. Analysis of fatal home accidents by age, sex, and circumstances. Deaths by provinces, 1937-1956 with a detailed analysis of 1956 data .....	.25
84-508	- Causes of Stillbirths, 1943-1955. R. No. 79 E. Historical summary of numbers of stillbirths by detailed cause of the International Classification .....	.25
84-509	- Canadian Life Table, 1951. R. No. 50 Bil. By sex .....	.25
CENSUS		
91-503	- Population Estimates (age and sex) 1921-1952 (annual supplements to 1957) R. No. 40, Bil. ....	.25

*English out-of-print.

E. - English
F. - French
Bil. - Bilingual