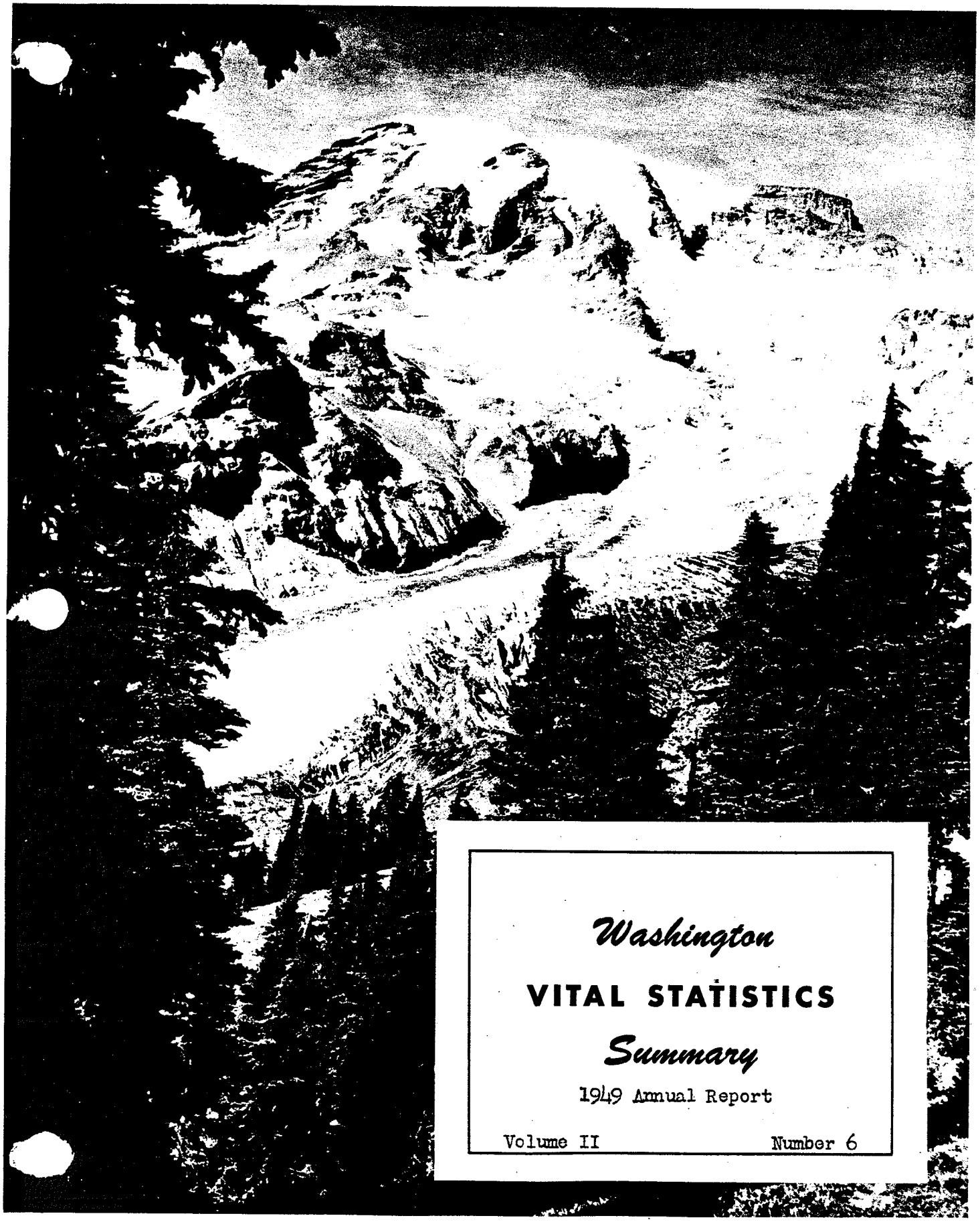

Washington

VITAL STATISTICS

Summary

1949 Annual Report

Volume II Number 6

THIS 1949 ANNUAL REPORT

is published by the

WASHINGTON STATE DEPARTMENT OF HEALTH

PUBLIC HEALTH STATISTICS SECTION

1412 Smith Tower

Seattle 4

Arthur B. Langlie
Governor

John A. Kahl, M.D. M.P.H.
Acting State Director of Health

June 1, 1951

The Honorable Arthur B. Langlie
Governor
State of Washington
Olympia, Washington

Honorable Sir:

I have the pleasure of submitting herewith the Annual Statistical Report of the State Department of Health for the calendar year 1949, in accordance with Section 6007, Remington's Revised Statutes, State of Washington.

This report presents statistically the happening of vital events as they occurred within this State during the year 1949, together with trend studies of specific events and their analysis.

The report entails tabulations, charts and graphs of natality, mortality, and morbidity, by place of occurrence of the event and by place of residence of the population affected. It supplements the "1949 Annual Report" of this Department by supplying detailed tabulations of vital statistics.

Respectfully submitted,

J. A. Kahl M.D.

JOHN A. KAHL, M.D., M.P.H.
Acting State Director of Health

PUBLIC HEALTH STATISTICS SECTION

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Registration

Elsie Morck, Chief Clerk, officer supervision and legitimations
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Margaret Klute, Mail Clerk
Sally Wold, Certification Clerk
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Amy Gustafson, Photostat Operator
Edna Richards, Clerk, adoptions
Nellie Hutchinson, Clerk, current birth registrations
Eva Hendryx, Clerk, receptionist and current death registrations
Laura Hook, Index Clerk and current requests
Jacqueline Nemnich, File Clerk and switchboard operator

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Ruth Baker, Public Health Statistician, office supervision, nosology, programming
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Grace Boyer, Senior Key Punch Operator, death records and special reports
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Dorothy Larson, Junior Tabulating Machine Operator, machine tabulations
Yasuko Kinoshita, Clerk-Typist, routine and special reports, general office work
Frank Murray, Clerk, assistant in machine room

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SECTION I

* * * *

POPULATION

1949 population

As of July 1, 1949 there was an estimated population of 2,264,800 persons residing within the State of Washington. Of this population 936,700 persons resided in areas having no cities or towns over 2,500. Thus 41.4 percent of the State's population resided in predominately rural areas and 1,328,100 or 58.6 percent of the population resided in predominately urban areas of 2,500 population and over.

Of the urban population 154,160 or 11.6 percent reside in population groupings or cities of 2,500 to 10,000. Towns and cities of 10,000 to 100,000 population contain 364,210 or 27.4 percent of the urban population. Cities of 100,000 and over had 809,730 or 61.0 percent of the urban population residing within their boundaries. These same cities accounted for 35.8 percent of the total State population.[1]

The State of Washington is rapidly becoming predominately urban in character. Many of the formerly rural areas showing rapid growth have become incorporated areas or have joined and become part of a former existing urban area. This same fact accounts to some extent for the decline in the rural population of the State. The city of Seattle has enjoyed a rapid increase in population partly due to such incorporations of rural areas. Where rural areas not incorporated have experienced rapid growths they have in the main been on the boundaries of the cities of 35,000 and over in population. This would tend to show that while persons in these areas do not necessarily desire to live in heavily concentrated areas of population they still desire to live near to those concentrated areas. With the tendency of large city stores to begin building programs in such rural areas rather than to enlarge the central city stores, the trend to rural areas may continue to the disadvantage of the large cities to increase rapidly and their natural growth may be slower than the rural areas in the future.

At the time this estimate was prepared there were 12,494 persons confined in state and local governmental institutions and sanatoria. The population within these institutions were allocated to the rural areas of the counties in which the institutions were located.

For percentage distributions of certain specific age groups based on age characteristics from birth to old age see table 2.[2] It will be noted that while the years comprised by early adulthood have the largest percentage of people within it, this group covers a wide span of years while the elementary school, high school, and college age group are actually larger and contain nearly an equal group. Not too large a change should be expected within the next 15 to 20 years within these percentages due to the large number of births and low infant death rates in the period of 1943 through 1948.

1. Table 1, page 2; Figure 1, page 6
2. Table 2, page 7; Figure 2, page 8

TABLE I

ESTIMATED POPULATION OF THE STATE OF WASHINGTON, BY COUNTIES AND CITIES, AS OF JULY 1, 1949
(Armed Forces Excluded)

Area	Total	Rural	Cities of 2,500 to 10,000 pop.	Cities of 10,000 to 100,000 pop.	Cities of 100,000 pop. and over
Adams	6,050	6,050			
Asotin	10,650				
Rural		6,240			
Clarkston			4,410		
Benton	53,700				
Rural		17,860			
Kennewick			8,180		
Prosser			3,240		
Richland				24,420	
Chelan	38,300				
Rural		20,920			
Wenatchee				17,380	
Clallam	24,450				
Rural		12,920			
Port Angeles				11,530	
lark	83,550				
Rural		44,000			
Camas			5,800		
Vancouver				33,750	
Columbia	5,700				
Rural		2,500			
Dayton			3,200		
Cowlitz	57,850				
Rural		27,950			
Kelso			8,900		
Longview				21,000	
Douglas	8,050	8,050			
Ferry	4,800	4,800			
Franklin	17,150				
Rural		5,600			
Pasco				11,550	
Garfield	2,950	2,950			
Grant	14,900				
Rural		10,500			
Ephrata			4,400		

TABLE 1 (Continued)

ESTIMATED POPULATION OF THE STATE OF WASHINGTON, BY COUNTIES AND CITIES, AS OF JULY 1, 1949
(Armed Forces Excluded)

Area	Total	Rural	Cities of 2,500 to 10,000 pop.	Cities of 10,000 to 100,000 pop.	Cities of 100,000 pop. and over
Grays Harbor	56,400				
Rural		22,310			
Aberdeen				21,470	
Hoquiam				12,620	
Island	8,050	8,050			
Jefferson	9,400				
Rural		2,620			
Port Townsend			6,780		
King	690,000				
Rural		166,100			
Auburn			7,860		
Enumclaw			2,880		
Kent			3,280		
Kirkland			4,260		
Renton				16,640	
Seattle					488,080
*Kitsap	77,400				
Rural		42,440			
Bremerton				32,550	
Port Orchard			2,410		
Kittitas	25,150				
Rural		17,480			
Ellensburg			7,670		
Klickitat	11,100	11,100			
Lewis	43,500				
Rural		29,200			
Centralia			8,420		
Chehalis			5,880		
Lincoln	11,150	11,150			
Mason	13,300				
Rural		8,750			
Shelton			4,550		
Okanogan	27,600				
Rural		24,090			
Omak			3,510		
acific	15,700				
Rural		11,300			
Raymond			4,400		

TABLE 1 (Continued)

ESTIMATED POPULATION OF THE STATE OF WASHINGTON, BY COUNTIES AND CITIES, AS OF JULY 1, 1949
(Armed Forces Excluded)

Area	Total	Rural	Cities of 2,500 to 10,000 pop.	Cities of 10,000 to 100,000 pop.	Cities of 100,000 pop. and over
Pend Oreille	8,050	8,050			
*Pierce	232,580				
Rural		70,880			
Puyallup				10,950	
Tacoma					150,750
San Juan	5,250	5,250			
*Skagit	45,670				
Rural		30,320			
Anacortes			7,000		
Mount Vernon			5,000		
Sedro Woolley			3,350		
Skamania	4,250	4,250			
*Snohomish	104,980				
Rural		65,830			
Everett				36,000	
Snohomish			3,150		
*Spokane	237,240				
Rural		61,840			
Medical Lake			5,400		
Spokane					170,000
Stevens	18,450				
Rural		15,450			
Colville			3,000		
*Thurston	38,660				
Rural		22,860			
Olympia				15,800	
Wahkiakum	4,650	4,650			
*Walla Walla	39,470				
Rural		9,670			
College Place			2,650		
Walla Walla				27,150	
Whatcom	61,650				
Rural		28,550			
Bellingham				33,100	
Whitman	29,100				
Rural		19,750			
Colfax			3,000		
Pullman			6,350		

TABLE 1 (Continued)

ESTIMATED POPULATION OF THE STATE OF WASHINGTON, BY COUNTIES AND CITIES, AS OF JULY 1, 1949
(Armed Forces Excluded)

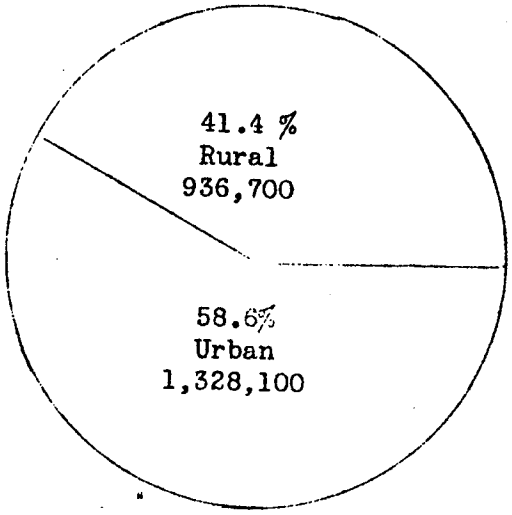
Area	Total	Rural	Cities 2,500 to 10,000 pop.	Cities of 10,000 to 100,000 pop.	Cities of 100,000 pop. and over
Yakima	117,950				
Rural		64,420			
Selah			2,500		
Sunnyside			4,470		
Toppenish			5,060		
Wapato			3,200		
Yakima				38,300	
Totals	2,264,800	936,700	154,160	364,210	809,730

*Institutional populations included in foregoing estimates of rural areas of the following counties:

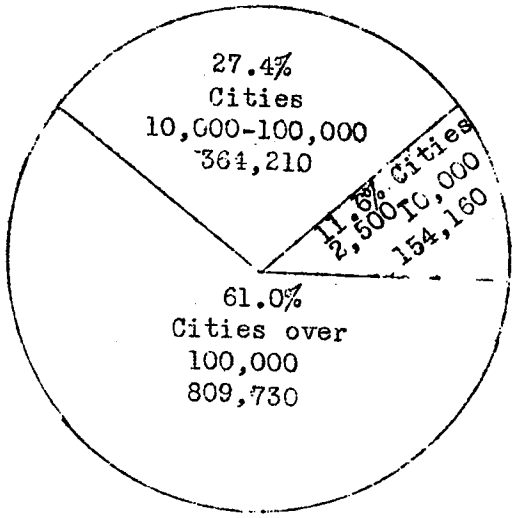
Clark County	136
Kitsap County	413
Pierce County	3,818
Skagit County	2,619
Snohomish County	433
Spokane County	3,493
Thurston County	58
Walla Walla County	1,524
Total	12,494

FIGURE 1

PERCENTAGE DISTRIBUTION OF POPULATION
IN THE STATE OF WASHINGTON
BY URBAN AND RURAL GROUPINGS
1949



TOTAL POPULATION



URBAN POPULATION

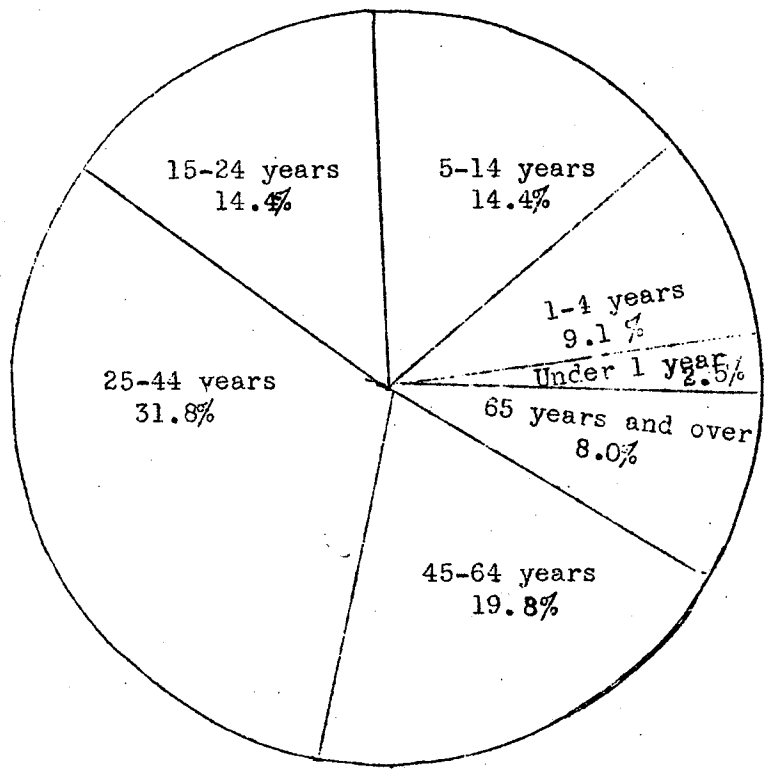
TABLE 2

ESTIMATED PERCENTAGE DISTRIBUTION OF SPECIFIC AGE GROUPS WITHIN THE TOTAL POPULATION OF THE STATE OF WASHINGTON 1949

AGE GROUP	NUMBER	PERCENT
Under 1 year	56,620	2.5
1 - 4 years	206,097	9.1
Under 5 years	262,717	11.6
5 - 14 years	326,131	14.4
15 - 24 years	326,131	14.4
25 - 44 years	720,206	31.8
45 - 64 years	448,430	19.8
65 years and over	181,185	8.0
All ages	2,264,800	100.0

FIGURE 2

ESTIMATED PERCENTAGE DISTRIBUTION OF SPECIFIC AGE GROUPS
WITHIN THE TOTAL POPULATION OF THE STATE OF WASHINGTON
1949



SECTION II

* * * * *

HOSPITAL FACILITIES, MEDICAL PERSONNEL, AND RELATED STATISTICS

Table 3 - GENERAL HOSPITAL BEDS PER 1000 POPULATION BY COUNTIES, STATE OF WASHINGTON, 1949

Counties	Population 1/	Number of Hospitals 2/	Beds in Use 2/	Beds Per 1000 Population
ADAMS	6,831	1	19	2.8
ASOTIN	12,210	1	25	2.0
BENTON	59,303	2	128	2.2
CHELAN	42,106	4	205	4.9
CLALLAM	27,047	2	126	4.7
CLARK	95,661	4	351	3.7
COLUMBIA	6,271	1	22	3.5
COWLITZ	64,491	2	165	2.6
DOUGLAS	9,682	1	12	1.2
FERRY	5,496	1	14	2.5
FRANKLIN	19,461	1	70	3.6
GARFIELD	3,400	1	17	5.0
GRANT	21,690	1	25	1.2
GRAYS HARBOR	63,075	3	215	3.4
ISLAND	9,192	0	0	0.0
JEFFERSON	10,498	1	40	3.8
KING	764,695	22	2,559	3.3
KITSAP	84,479	2	191	2.3
KITTITAS	28,083	4	96	3.4
KLICKITAT	12,556	2	39	3.1
LEWIS	49,885	3	105	2.1
LINCOLN	12,527	0	0	0.0
MASON	14,913	2	64	4.3
OKANOGAN	30,758	4	118	3.8
PACIFIC	17,430	2	44	2.5
PEND OREILLE	8,989	2	32	3.6
PIERCE	257,309	7	870	3.4
SAN JUAN	5,975	0	0	0.0
SKAGIT	51,354	5	183	3.6
SKAMANIA	4,746	0	0	0.0
SNOHOMISH	115,609	5	225	1.9
SPOKANE	265,158	4	837	3.2
STEVENS	20,691	2	81	3.9
THURSTON	42,444	1	125	2.9
WAHKIAKUM	5,192	0	0	0.0
WALLA WALLA	43,162	2	179	4.1
WHATCOM	68,725	3	241	3.5
WHITMAN	33,001	2	117	3.5
YAKIMA	131,905	4	377	2.9
ALL COUNTIES	2,526,000	104	7,917	3.1

1/ Based on "Population Estimates of the State of Washington by County, City, and Rural Areas, July 1, 1949," prepared by the Washington State Department of Health, Section of Public Health Statistics; "Population of the Chartered and Incorporated Towns and Cities of the State of Washington: April 1, 1940, April 1, 1947, and April 1, 1948," Washington State Census Board; and on "Current Population Reports" as of July 1, 1949, Series P-25, No. 32, Bureau of the Census.

2/ From records on file in the Hospital Planning and Development Section of the State Department of Health.

TABLE 4

BEDS IN NURSING AND BOARDING HOMES PER 1000 POPULATION, BY COUNTIES, STATE OF WASHINGTON, 1949 1/

County	Population	Number of Homes	Beds In Use	Beds Per 1000 Population
ADAMS	6,831	2	11	1.6
ASOTIN	12,210	9	110	9.0
BENTON	59,303	0	—	—
CHELAN	42,106	6	50	1.2
CLALLAM	27,047	2	100	3.7
CLARK	95,661	13	263	2.7
COLUMBIA	6,271	1	21	3.3
COWLITZ	64,491	2	15	0.2
DOUGLAS	9,682	1	25	2.6
FERRY	5,496	0	—	—
FRANKLIN	19,461	0	—	—
GARFIELD	3,400	0	—	—
GRANT	21,690	1	24	1.1
GRAYS HARBOR	63,075	10	153	2.4
ISLAND	9,192	3	53	5.8
JEFFERSON	10,498	2	50	4.8
KING	764,695	74	1,924	2.5
KITSAP	81,479	6	52	0.6
KITTITAS	28,083	2	41	1.5
KLICKITAT	12,556	0	—	—
LEWIS	49,885	12	329	6.6
LINCOLN	12,527	4	29	2.3
MASON	14,913	0	—	—
OKANOGAN	30,758	0	—	—
PACIFIC	17,430	3	34	2.0
PEND OREILLE	8,989	0	—	—
PIERCE	257,309	27	816	3.2
SAN JUAN	5,975	0	—	—
SKAGIT	51,354	6	94	1.8
SKAMANIA	4,746	1	32	6.7
SNOHOMISH	115,609	20	352	3.0
SPOKANE	265,158	61	829	3.1
STEVENS	20,691	1	34	1.6
THURSTON	42,444	7	57	1.3
WAHKIAKUM	5,192	1	18	3.5
WALLA WALLA	43,162	16	137	3.2
WHATCOM	68,725	11	327	4.8
WHITMAN	33,001	1	40	1.2
YAKIMA	131,905	19	346	2.6
ALL COUNTIES	2,526,000	324	6,366	2.5

1/ Includes all homes for which information was available from the County Health and Welfare Departments and the Sanitarium Bureau of Seattle.

2/ Based on "Population Estimates of the State of Washington by County, City and Rural Areas, July 1, 1949," prepared by the Washington State Department of Health, Section of Public Health Statistics; "Population of the Chartered and Incorporated Towns and Cities of the State of Washington: April 1, 1940, April 1, 1947, and April 1, 1948," Washington State Census Board; and on "Current Population Reports" as of July 1, 1949, Series P-25, No. 32, Bureau of the Census.

Table 5 - ASSESSED VALUE OF REAL AND PERSONAL PROPERTY AND INCOME PER CAPITA, STATE OF WASHINGTON, 1949

County	Population 1/	Assessed Value 2/	Income 3/	Income Per Capita
ADAMS	6,831	$14,997,201	$8,526,000	$1,248
ASOTIN	12,210	6,031,520	12,796,000	1,048
BENTON	59,303	17,873,704	63,402,000	1,069
CHELAN	42,106	34,491,445	57,427,000	1,364
CLALLAM	27,047	17,112,550	33,258,000	1,230
CLARK	95,661	36,177,013	99,219,000	1,037
COLUMBIA	6,271	9,050,890	7,120,000	1,135
COWLITZ	64,491	34,519,740	74,471,000	1,155
DOUGLAS	9,682	13,042,862	10,218,000	1,055
FERRY	5,496	2,713,722	3,021,000	550
FRANKLIN	19,461	12,991,097	28,680,000	1,474
GARFIELD	3,400	6,123,565	4,868,000	1,432
GRANT	21,690	15,712,956	16,367,000	755
GRAYS HARBOR	63,075	28,643,845	77,332,000	1,226
ISLAND	9,192	4,647,905	8,549,000	930
JEFFERSON	10,498	6,342,795	10,141,000	966
KING	764,695	546,310,846	1,227,258,000	1,605
KITSAP	84,479	28,609,556	124,935,000	1,479
KITTITAS	28,083	20,782,728	28,140,000	1,002
KLICKITAT	12,556	14,069,570	12,206,000	972
LEWIS	49,885	34,274,375	54,395,000	1,090
LINCOLN	12,527	24,558,167	14,956,000	1,194
MASON	14,913	10,314,407	15,575,000	1,044
OKANOGAN	30,758	16,324,650	27,586,000	897
PACIFIC	17,430	13,294,748	19,708,000	1,131
PEND OREILLE	8,989	5,787,687	7,059,000	785
PIERCE	257,309	123,681,946	368,417,000	1,432
SAN JUAN	5,975	3,055,855	3,646,000	610
SKAGIT	51,354	30,077,849	51,937,000	1,011
SKAMANIA	4,746	4,838,339	3,380,000	712
SNOHOMISH	115,609	55,477,658	129,275,000	1,118
SPOKANE	265,158	175,987,335	346,186,000	1,306
STEVENS	20,691	12,841,6[illegible]3	18,508,000	894
THURSTON	42,444	25,022,023	59,451,000	1,401
WAHKIAKUM	5,192	2,221,623	4,424,000	852
WALLA WALLA	43,162	37,907,935	57,345,000	1,329
WHATCOM	68,725	37,404,840	82,542,000	1,201
WHITMAN	33,001	44,208,067	45,219,000	1,370
YAKIMA	131,905	64,080,261	144,607,000	1,096
ALL COUNTIES	2,526,000	$1,591,425,967	$3,362,150,000	$1,331

1/ Based on "Population Estimates of the State of Washington by County, City and Rural Areas, July 1, 1949," prepared by the Washington State Department of Health, Section of Public Health Statistics; "Population of the Chartered and Incorporated Towns and Cities of the State of Washington: April 1, 1940, April 1, 1947, and April 1, 1948," Washington State Census Board; and on "Current Population Reports" as of July 1, 1949, Series P-25, No. 32, Bureau of the Census.

2/ From exhibit "Statement of Taxes Due in 1949, Segregated by Funds, Functions and Counties" (as reported by County Assessors), prepared by the Division of Municipal Corporations, Cliff Yelle, State Auditor, State of Wash.

3/ Taken from estimates in "Sales Management," May 10, 1950, pp 560-562.

Table 6 - INACTIVE AND ACTIVE REGISTERED NURSES AND TYPE OF EMPLOYMENT BY COUNTIES, STATE OF WASHINGTON, 1949 1/

County	General Duty 2/	Other Institutional 3/	Non-Institutional 4/	All Active Nurses	Inactive Nurses	Total Reporting
ADAMS	2	1	1	4	6	10
ASOTIN	2	2	3	7	5	12
BENTON	42	7	80	129	55	184
CHELAN	30	13	30	73	49	122
CLALLAM	20	4	18	42	33	75
CLARK	75	14	55	144	62	206
COLUMBIA	1	2	3	6	2	8
COWLITZ	31	8	34	73	41	114
DOUGLAS	7	5	6	18	14	32
FERRY	3	0	1	4	2	6
FRANKLIN	16	3	8	27	19	46
GARFIELD	1	0	1	2	3	5
GRANT	4	1	7	12	16	28
GRAYS HARBOR	66	13	31	110	47	157
ISLAND	6	1	6	13	14	27
JEFFERSON	5	4	10	19	16	35
KING	1,078	171	936	2,185	1,070	3,255
KITSAP	91	11	48	150	88	238
KITTITAS	31	2	18	51	33	84
KLICKITAT	2	1	0	3	5	8
LEWIS	35	8	21	64	30	94
LINCOLN	3	0	4	7	26	33
MASON	10	4	7	21	30	51
OKANOGAN	17	2	13	32	38	70
PACIFIC	13	2	2	17	12	29
PEND OREILLE	2	0	4	6	6	12
PIERCE	316	45	254	615	341	956
SAN JUAN	2	0	4	6	8	14
SKAGIT	50	9	41	100	59	159
SKAMANIA	1	0	1	2	1	3
SNOHOMISH	97	20	110	227	157	384
SPOKANE	199	68	307	574	282	856
STEVENS	19	0	7	26	15	41
THURSTON	30	4	37	71	43	114
WAHKIAKUM	0	0	0	0	4	4
WALLA WALLA	68	11	59	138	68	206
WHATCOM	80	16	70	166	88	254
WHITMAN	29	15	23	67	52	119
YAKIMA	88	24	95	207	117	324
ALL COUNTIES	2,577	486	2,355	5,418	2,957	8,375

1/ Nurses registered in the State of Washington from Survey by Washington Nurses' Association, January, 1949. Excludes approximately 2800 with out-of-State addresses, and about 500 which forwarded insufficient information.

2/ Includes those which indicated some work in the general duty field.

3/ Includes supervisory and administrative personnel and anesthetists.

4/ Includes private duty, public health, educational, industrial and other related fields.

SECTION III

* * * * * *

NATALITY

1949 Natality[3]

During the year 1949, 57,584 births were reported as having occurred within the State of Washington. The corresponding crude birth rates per 1,000 estimated population was 25.4. Of the total births 56,433 certificates showed the mother's residence as being in the State of Washington. The corresponding crude birth rate was 24.9 per 1,000 estimated population. The resident birth rate for 1949 was the same as the average rate for the five-year period 1945 through 1949.

While there was an estimated increase of 5.4 percent in the State's populatio in 1949 over the year 1948, there was a corresponding increase of 1.8 percent in the number of births for the same period.

Sex of Infant and Age of Mother[4]

There were 1.8 percent more male infants than female infants born during 1949. Male births predominated in both the urban and rural areas of the State. Of the births 33.8 percent were to mothers in age group 20 through 24 years of age, and 29.5 percent were to mothers in the age group 25 through 29 years of age. Thus births to mothers in these two age groups accounted for 63.3 percent of all births.

Race of Infant[5]

Of the infants born to resident mothers in the State of Washington 54,487, or 96.6 percent, were of the white race; 837, or 1.5 percent, were of the negro race; 590, or 1.0 percent, were Indians; and the remaining 519, or 0.9 percent, were of other nonwhite races.

Attendant[6]

Of the total resident births 55,339, or 98.1 percent, were delivered by doctors of medicine and 977, or 1.7 percent, by osteopathic physicians. Less than 0.2 percent of the births were attended by persons without training in obstetrics.

Type of Institution[7]

Ninety-seven percent of all livebirths in 1949 occurred in general hospitals and 1.6 percent occurred in maternity homes. Only 0.9 percent of the births occurred in the home of the mother of the infant.

3. Table 8, page 19
4. Table 9, page 21
5. Table 10, page 23
6. Table 11, page 25
7. Table 12, page 27

Illegitimate Parentage[8]

There were 1,080 illegitimate births, or 19 out of every 1,000 livebirths, were recorded as being illegitimate. Seventy-one percent of these births were to women between the ages of 15 and 24 years, with 39.1 percent being to women in the age group 15 through 19 years.

Premature births[9]

A total of 3,813 births were reported as being 5½ pounds or less in weight. Approximately 68 infants out of every 1,000 born in this State in 1949 weighed 5½ pounds or less. While 31.1 percent of the total premature births were to mothers in the 20 through 24 years of age group, the 1,186 premature births to mothers of this age group represented only 6.2 percent of the total births to mothers of this age group. The 1,098 premature births to mothers of the 25 through 29 years of age group represented 28.8 percent of the total premature births. This number and type of birth represented 6.6 percent of all births to mothers of this age group.

Malformations[10]

During 1949 in the State of Washington there were 609 children having malformation at birth. Of this number 15.6 percent had club feet. There were 92 infants, or 15.1 percent of the total being malformed at birth, who had more than one type of deformity. Malformations of the genito-urinary tract accounted for 44, or 7.2 percent of all malformations, while deformities of the heart accounted for 34, or 5.6 percent of all malformations.

INFANT MORTALITY

1949 Infant Mortality[11]

During 1949 a total of 1,543 infants failed to survive through the first year of life in the State of Washington. Of the infants dying 1,526 were recorded as having been born to mothers giving their residence within the State. This number of deaths is represented by a crude infant death rate of 27.0 per 1,000 livebirths. This represents a new low in infant death rates for the State of Washington and continues the decline in this type of death shown through a five-year period starting in 1945.

During the decennial census years starting with 1910 the infant death rates per 1,000 livebirths were as follows:

Year	Rate
1910	93.5
1920	66.4
1930	48.7
1940	34.7

8. Table 13, page 29
9. Table 14, page 31
10. Table 15, page 33
11. Table 16, page 35

Leading Causes of Infant Deaths

The leading causes of deaths of infants under one year of age in the State of Washington during 1949 are shown in Table 17. The five leading causes in rank order are as follows:

Cause of Death	Number	Rate*
Immaturity with other subsidiary condition and immaturity unqualified	388	6.9
Congenital malformations	249	4.4
Postnatal asphyxia and atelectasis	238	4.2
Injury at birth	183	3.2
Influenza and pneumonia	94	1.7

* Rate per 1,000 livebirths

Of the infants not surviving 40.2 percent died within the first day of life, 27.1 percent between the first day and first week of life, 7.1 percent between one week and one month of life, and 25.6 percent after the first month and before the twelfth month of life.

MATERNAL MORTALITY

1949 Maternal Mortality[12]

A total of 36 women having residence within the State of Washington died as a result of pregnancy and childbirth during 1949. This number is represented by a rate of 0.6 per 1,000 livebirths. This number of deaths for 1949 is the same as that for the preceding year of 1948. The largest number of deaths by any one contributing cause was 4.[13]

Of the mothers dying, 14 were in the age group 30 through 34 years and seven each in the age groups 25 through 29 and 35 through 39 years.[14]

STILLBIRTHS

1949 Stillbirths[15]

During the year 1949 there were 872 records of stillbirths filed in the State of Washington. Of this number 850 stillbirths occurred to women having this State as their residence. The corresponding crude rates were 15.1 per 1,000 livebirths on both the occurrence and residence basis. There were two counties, Ferry and Skamania, and one city, Port Angeles, in which no stillbirths were recorded for resident mothers.

12. Table 19, page 42
13. Table 20, page 44
14. Table 21, page 46
15. Table 23, page 48

Resident urban mothers experienced a higher rate of stillborn foetus than rural mothers during this year, the rates being 16.5 and 13.8 per 1,000 livebirths respectively. While the State overall rate for 1949 was the same as the average rate for the preceding five-year period, the respective urban and rural rates were somewhat different. The five-year average urban stillbirth rate was 15.6 per 1,000 livebirths as compared with a five-year average rural stillbirth rate of 14.6 per 1,000 livebirths.

Of the total number of stillbirths 25.6 percent were to women in the age group 20 through 24 years, and 27.9 percent to women in the age group 25 through 29 years.[16]

Placental and cord conditions accounted for 407 stillbirths with difficult labor and congenital malformations each accounting for 56 stillbirths. Diseases of the foetus and ill-defined causes were listed as the cause of 256 stillbirths.[17]

16. Table 25, page 52
17. Table 24, page 50

TABLE 7

SUMMARY OF THE NUMBER OF LIVEBIRTHS, DEATHS, DEATHS OF INFANTS UNDER ONE YEAR OF AGE, MATERNAL DEATHS, AND STILLBIRTHS, WITH RATES, STATE OF WASHINGTON, 1910 - 1949

Year	Population	Livebirths		Deaths		Infant Deaths		Maternal Deaths		Stillbirths	
		Number	Rate**	Number	Rate**	Number	Rate*	Number	Rate*	Number	Rate*
1910	1,147,000	19,916	17.4	11,502	10.0	1,862	93.5	194	9.7	705	35.4
1911	1,168,800	20,728	17.7	10,845	9.3	1,531	73.9	177	8.5	699	33.7
1912	1,190,600	20,683	17.4	10,187	8.6	1,365	66.0	179	8.7	724	35.0
1913	1,212,400	21,200	17.5	11,397	9.4	1,566	73.9	178	8.4	688	32.4
1914	1,234,000	23,008	18.6	11,448	9.3	1,540	66.9	152	6.6	783	34.0
1915	1,256,000	24,046	19.1	11,895	9.5	1,461	60.8	156	6.5	779	32.4
1916	1,277,800	23,831	18.6	11,805	9.2	1,531	64.2	175	7.3	705	29.6
1917	1,299,600	23,464	18.0	12,137	9.3	1,625	69.3	173	7.2	691	29.4
1918	1,321,400	25,682	19.4	16,837	12.7	1,769	68.9	253	9.9	730	28.4
1919	1,343,200	25,112	18.7	14,370	10.7	1,584	63.1	216	8.6	730	29.1
1920	1,365,000	27,072	19.8	15,164	11.1	1,797	66.4	249	9.2	888	32.8
1921	1,385,400	27,267	19.7	13,254	9.6	1,512	55.4	212	7.8	852	31.2
1922	1,405,800	25,378	18.0	14,249	10.1	1,566	61.7	200	7.9	731	28.8
1923	1,426,200	25,259	17.7	13,856	9.7	1,428	56.5	168	6.7	680	26.9
1924	1,446,600	25,378	17.5	14,580	10.1	1,426	56.2	180	7.1	711	28.0
1925	1,467,000	24,741	15.9	15,280	10.4	1,395	56.4	149	8.0	667	27.0
1926	1,487,400	23,989	16.1	15,670	10.3	1,352	56.4	180	7.5	719	30.0
1927	1,507,800	23,315	15.5	15,950	10.6	1,162	49.8	155	6.6	650	27.9
1928	1,528,200	23,161	15.2	16,723	10.9	1,115	48.1	167	7.2	641	27.7
1929	1,548,600	22,658	14.6	16,413	10.6	1,110	49.0	140	6.2	572	25.2
1930	1,569,000	23,019	14.7	16,678	10.6	1,122	48.7	143	6.2	601	26.1
1931	1,584,715	22,028	13.9	16,524	10.4	1,064	48.3	140	6.4	591	26.8
1932	1,600,425	21,379	13.4	16,581	10.4	967	45.2	129	6.0	530	24.8
1933	1,619,000	20,882	13.0	16,705	10.4	811	38.8	133	6.4	446	21.4
1934	1,642,475	22,484	13.7	17,456	10.6	974	43.2	105	4.7	521	23.2
1935	1,660,810	22,378	13.5	18,046	10.9	998	44.6	120	5.4	469	21.0
1936	1,676,445	23,354	13.9	19,057	11.4	1,064	45.5	115	4.9	468	20.0
1937	1,693,880	24,882	14.7	18,771	11.1	978	39.1	118	4.7	495	19.9
1938	1,709,640	26,702	15.6	18,514	10.8	1,000	37.4	94	3.5	440	16.5
1939	1,725,595	26,471	15.3	18,528	10.7	977	36.9	97	3.7	450	17.0
1940	1,742,045	27,952	16.0	19,837	11.4	969	34.7	89	3.2	459	16.4
1941	1,817,710	30,916	17.0	19,359	10.6	1,065	34.5	66	2.1	445	14.4
1942	1,894,499	38,744	20.4	20,190	10.6	1,278	33.0	78	2.0	580	15.0
1943	1,982,300	44,258	22.3	22,017	11.1	1,533	34.6	72	1.6	575	13.0
1944	1,986,192	44,246	22.2	21,144	10.6	1,493	33.7	72	1.6	607	13.7
1945	2,032,968	44,296	21.8	21,292	10.5	1,523	34.4	79	1.8	672	15.2
1946	2,050,100	51,941	25.3	21,620	10.5	1,723	33.2	65	1.2	869	16.7
1947	2,085,640	58,230	27.9	21,763	10.4	1,630	28.0	59	1.0	907	15.6
1948	2,148,000	55,460	25.8	21,925	10.2	1,525	27.5	36	0.6	776	14.0
1949	2,264,800	56,433	24.9	22,420	9.9	1,526	27.0	36	0.6	850	15.1

* Per 1,000 livebirths
** Per 1,000 population

Source: 1910 - 1933 place of occurrence figures from published reports of the National Office of Vital Statistics.

1934 - 1948 place of residence figures from Section of Public Health Statistics, Washington State Department of Health.

TABLE 8

ESTIMATED POPULATION AND LIVEBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 ESTIMATED POPULATION, ALLOCATED TO RESIDENCE AND BY PLACE OF OCCURRENCE, 1949

County or City	1949 Population	Residence		Occurrence	
		Number	Rate	Number	Rate
Adams	6,050	144	23.8	102	16.8
Asotin	10,650	233	21.9	139	13.0
Benton	53,700	1,591	29.6	1,180	22.0
Rural	29,280	881	30.1	261	8.9
Richland	24,420	710	29.1	919	37.6
Chelan	38,300	1,097	28.6	1,314	34.3
Rural	20,920	682	32.6	324	15.5
Wenatchee	17,380	415	23.9	990	57.0
Clallam	24,450	681	27.8	642	26.2
Rural	12,920	331	25.6	63	4.9
Port Angeles	11,530	350	30.4	579	50.2
Clark	83,550	2,188	26.2	2,242	26.8
Rural	49,800	1,429	28.7	277	5.6
Vancouver	33,750	759	22.5	1,965	58.2
Columbia	5,700	108	18.9	104	18.2
Cowlitz	57,850	1,416	24.5	1,602	27.7
Rural	36,850	710	19.3	19	0.5
Longview	21,000	706	33.6	1,583	75.4
Douglas	8,050	233	28.9	8	1.0
Ferry	4,800	95	19.8	47	9.8
Franklin	17,150	455	25.9	846	49.3
Garfield	2,950	83	28.1	71	24.1
Grant	14,900	557	37.4	339	22.8
Grays Harbor	56,400	1,294	22.9	1,268	22.5
Rural	22,330	559	25.0	130	5.8
Aberdeen	21,470	455	21.2	1,137	53.0
Hoquiam	12,620	280	22.2	1	0.1
Island	8,050	170	21.1	284	35.3
Jefferson	9,400	359	38.2	327	34.8
King	690,000	16,939	24.5	17,390	25.2
Rural	184,830	6,413	34.8	1,338	7.2
Renton	16,640	594	35.7	1,211	72.8
Seattle	488,980	9,932	20.3	14,841	30.4
Kitsap	77,400	1,893	24.4	1,870	24.2
Rural	44,850	942	21.0	37	0.8
Bremerton	32,550	951	29.2	1,833	56.3
Kittitas	25,150	539	21.4	546	21.7
Klickitat	11,100	304	27.4	223	20.1
Lewis	43,500	1,017	23.4	1,053	24.2
Lincoln	11,150	300	26.9	70	6.3
Mason	13,300	346	26.0	318	23.9
Okanogan	27,600	744	27.0	893	32.4
Pacific	15,700	356	22.7	310	19.7
Pend Oreille	8,050	172	21.4	209	26.0
Pierce	232,580	5,699	24.5	6,583	28.3
Rural	70,880	1,979	27.9	1,504	21.2
Puyallup	10,950	186	17.0	454	41.5
Tacoma	150,750	3,534	23.4	4,625	30.7

TABLE 8 (Continued)

ESTIMATED POPULATION AND LIVEBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 ESTIMATED POPULATION, ALLOCATED TO RESIDENCE AND BY PLACE OF OCCURRENCE, 1949

County or City	1949 Population	Residence		Occurrence	
		Number	Rate	Number	Rate
San Juan	5,250	61	11.6	9	1.7
Skagit	45,670	918	20.1	937	20.5
Skamania	4,250	88	20.7	1	0.2
Snohomish	104,980	2,452	23.4	2,145	20.4
Rural	68,980	1,468	21.3	444	6.4
Everett	36,000	984	27.3	1,701	47.2
Spokane	237,240	5,260	22.1	6,018	25.4
Rural	67,240	1,231	18.3	43	0.6
Spokane	170,000	4,029	23.7	5,975	35.1
Stevens	18,450	435	23.6	406	22.0
Thurston	38,660	1,035	26.8	952	24.6
Rural	22,860	639	28.0	24	1.0
Olympia	15,800	396	25.1	928	58.7
Wahkiakum	4,650	96	20.6	0	0.0
Walla Walla	39,470	940	23.8	1,191	30.2
Rural	12,320	366	29.7	1	0.1
Walla Walla	27,150	574	21.1	1,190	43.8
Whatcom	61,650	1,589	25.8	1,640	26.6
Rural	28,550	736	25.8	94	3.3
Bellingham	33,100	853	25.8	1,546	46.7
Whitman	29,100	798	27.4	590	20.3
Yakima	117,950	3,758	31.9	3,715	31.5
Rural	79,650	2,332	29.3	1,345	16.9
Yakima	38,300	1,426	37.2	2,370	61.9
URBAN TOTAL	1,162,390	27,134	23.3	43,818	37.7
RURAL TOTAL	1,102,410	29,299	26.6	13,736	12.4
GRAND TOTAL	2,264,800	56,433	24.9	57,584	25.4

TABLE 9 - LIVEBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE OF MOTHER AND BY SEX OF CHILD, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	Under 15		15-19		20-24		25-29		30-34		35-39		40-44		45 & over		Unknown		Totals	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Adams			12	6	30	16	29	19	11	17	2	2	1						85	59
Asotin			20	17	39	37	38	26	19	13	8	11	2	3					126	107
Benton			110	90	246	233	248	239	142	123	60	59	13	19		2	1	1	820	771
Rural			82	66	146	135	128	119	67	56	31	26	9	13		2	1		464	417
Richland			28	24	100	98	120	120	75	72	29	33	4	6				1	356	354
Chelan			76	78	215	198	153	131	79	53	45	40	12	17					580	517
Rural			54	47	133	125	93	74	49	28	34	26	6	13					369	313
Wenatchee			22	31	82	73	60	57	30	25	11	14	6	4					211	204
Clallam			46	48	101	125	104	107	52	49	18	23	4	2	1		1		327	354
Rural			26	30	40	65	51	45	25	21	10	12	3	1	1		1		157	174
Port Angeles			20	18	61	60	53	62	27	28	8	11	1	1					170	180
Clark	1		113	121	394	363	323	325	186	159	81	79	18	21	2	2			1118	1070
Rural	1		83	84	262	252	186	219	114	94	48	55	12	16	2	1			708	721
Vancouver			30	37	132	111	137	106	72	65	33	24	6	5		1			410	349
Columbia			10	5	16	20	17	19	8	6	3	2	2						56	52
Cowlitz			125	106	267	239	199	183	104	90	46	35	8	13	1				750	666
Rural			75	61	132	126	88	78	45	46	26	19	5	8	1				372	338
Longview			50	45	135	113	111	105	59	44	20	16	3	5					378	328
Douglas			12	14	42	41	38	35	19	8	11	9	2	2					124	109
Ferry			9	3	16	13	12	12	12	11	2	2	1	1		1			52	43
Franklin			26	31	76	88	74	56	38	27	14	10	3	1	1				232	213
Garfield			2	4	15	16	11	10	7	7	7	3	1						43	40
Grant		1	37	50	95	84	82	71	42	47	19	20	6	2		1			281	276
Grays Harbor	1		77	84	235	219	175	171	114	108	53	36	9	12					664	630
Rural			40	47	83	97	74	69	55	43	24	18	4	5					280	279
Aberdeen			25	16	101	66	68	64	33	46	17	10	2	7					246	209
Hoquiam	1		12	21	51	56	33	38	26	19	12	8	3						138	142
Island			18	12	27	23	28	24	13	6	11	4	2	2					99	71
Jefferson			24	33	62	73	49	47	24	16	11	13	4	3					174	185
King	3	2	719	755	2796	2680	2791	2696	1535	1491	582	609	133	137	3	5		2	8562	8377
Rural		1	266	290	1077	1012	1059	1027	590	551	223	203	48	63	2	1			3265	3148
Renton			34	32	112	116	89	89	50	38	12	17	1	3		1			298	296
Seattle	3	1	419	433	1607	1552	1643	1580	895	902	347	339	81	71	1	3		2	4999	4933
Kitsap			122	115	327	324	260	257	156	157	79	64	21	10	1				966	927
Rural			60	52	159	142	119	121	84	90	55	39	15	5	1				493	419
Bremerton			62	63	168	182	141	136	72	67	24	25	6	5					473	478
Kittitas			39	28	85	101	80	73	47	29	25	25	4	3					280	259
Klickitat			22	31	46	40	47	38	29	20	15	10	5	1					164	140

TABLE 9 - LIVEBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE OF MOTHER AND BY SEX OF CHILD, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	Under 15		15-19		20-24		25-29		30-34		35-39		40-44		45 & over		Unknown		Totals	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Lewis			72	74	173	165	142	146	73	68	38	48	12	5			1		511	506
Lincoln			18	25	50	54	53	38	21	19	7	8	4	3					153	147
Mason			23	20	67	56	49	57	29	22	5	5	2	5				1	180	166
Okanogan	1		74	60	119	115	87	100	67	49	33	22	12	5					393	351
Pacific			36	23	54	68	36	50	27	33	12	11	2	3	1				168	188
Pend Oreille			14	16	29	27	27	25	11	12	3	6	2						86	86
Pierce	2		312	324	1013	980	877	768	458	467	215	187	45	51					2922	2777
Rural			104	106	375	332	317	240	153	159	89	65	14	25					1052	927
Puyallup			10	14	34	32	33	15	14	18	6	9	1						98	88
Tacoma	2		198	204	604	616	527	513	291	290	120	113	30	26					1772	1762
San Juan			4	8	8	10	7	8	6	4	3	1	2						30	31
Skagit			84	76	171	145	117	116	69	72	30	26	8	3	1				480	438
Skamania			2	8	17	21	11	10	6	6	1	5	1						38	50
Snohomish			157	151	409	433	349	317	194	221	101	72	24	20	1	1	1	1	1236	1216
Rural			95	94	222	250	218	130	116	136	74	49	20	11	1		1	1	747	721
Everett			62	57	187	183	131	137	78	85	27	23	4	9		1			489	495
Spokane		1	320	249	917	897	799	790	427	408	205	170	37	35	3	2			2708	2552
Rural		1	77	53	215	212	175	155	114	106	55	42	13	12	1				650	581
Spokane			243	196	702	685	624	635	313	302	150	128	24	23	2	2			2058	1971
Stevens			27	39	72	80	57	62	32	31	15	14	3	3					206	229
Thurston			62	62	167	195	139	142	83	93	30	39	13	7	1	2			495	540
Rural			41	43	101	128	88	82	46	55	18	28	6	2		1			300	339
Olympia			21	19	66	67	51	60	37	38	12	11	7	5	1	1			195	201
Wahkiakum			5	7	14	25	13	12	11	6		2	1						44	52
Walla Walla			53	68	175	145	137	118	78	67	45	41	5	7		1			493	447
Rural			18	25	67	58	45	58	29	22	21	19	3	1					183	183
Walla Walla			35	43	108	87	92	60	49	45	24	22	2	6		1			310	264
Whatcom			90	101	279	265	214	219	129	122	57	84	11	16		2			780	809
Rural			40	58	129	123	91	87	67	63	22	42	2	10		2			351	385
Bellingham			50	43	150	142	123	132	62	59	35	42	9	6					429	424
Whitman			35	29	139	146	129	116	74	64	33	26	3	4					413	385
Yakima	1	3	304	268	679	639	493	497	261	261	129	137	38	41	4	3			1909	1849
Rural	1	1	209	177	401	395	312	297	160	158	72	84	29	30	4	2			1188	1144
Yakima		2	95	91	278	244	181	200	101	103	57	53	9	11		1			721	705
URBAN TOTAL	6	3	1416	1387	4678	4483	4217	4109	2284	2246	944	948	202	193	4	11	0	3	13751	13383
RURAL TOTAL	3	4	1900	1852	5004	4916	4277	4020	2409	2221	1110	1012	274	264	16	11	4	2	14997	1430
GRAND TOTAL	9	7	3316	3239	9682	9399	8494	8129	4693	4467	2054	1960	476	457	20	22	4	5	28748	27685
Percent of Total	*	*	5.9	5.7	17.2	16.6	15.1	14.4	8.3	7.9	3.6	3.5	0.8	0.8	*Less than 0.05%				50.9	49.1%

TABLE 10

LIVEBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY RACE OF CHILD, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	White	Negro	Indian	Chinese	Japanese	Other	Total
Adams	144						144
Asotin	233						233
Benton	1580	7	3		1		1591
Rural	871	7	2		1		881
Richland	709		1				710
Chelan	1092	3	2				1097
Rural	680		2				682
Wenatchee	412	1	2				415
Clallam	650	3	26	1		1	681
Rural	306		25				331
Port Angeles	344	3	1	1		1	350
Clark	2150	36	1		1		2188
Rural	1405	22	1		1		1429
Vancouver	745	14					759
Columbia	108						108
Cowlitz	1414		1		1		1416
Rural	709		1				710
Longview	705				1		706
Douglas	231			1	1		233
Ferry	78		17				95
Franklin	413	31			1		445
Garfield	83						83
Grant	544	6	2	1	3	1	557
Grays Harbor	1260		31	1		2	1294
Rural	529		29			1	559
Aberdeen	451		2	1		1	455
Hoquiam	280						280
Island	166	2	2				170
Jefferson	345		14				359
King	16032	494	68	98	151	96	16939
Rural	6309	21	25	1	30	27	6413
Renton	585	5	1		3		594
Seattle	9138	468	42	97	118	69	9932
Kitsap	1798	45	24	2	6	18	1893
Rural	891	7	20	1	6	17	942
Bremerton	907	38	4	1		1	951
Kittitas	535	1	2	1			539
Klickitat	297		5		1	1	304
Lewis	1011	2	3			1	1017
Lincoln	295	1	4				300
Mason	339	1	6				346
Okanogan	657		87				744
Pacific	350		2	2	2		356
Pend Oreille	168		4				172
Pierce	5495	125	44	6	16	13	5699
Rural	1932	18	13	1	9	6	1979
Puyallup	181		4			1	186
Tacoma	3382	107	27	5	7	6	3534

TABLE 10 (Continued)

LIVEBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY RACE OF CHILD, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	White	Negro	Indian	Chinese	Japanese	Other	Total
San Juan	61						61
Skagit	902		13	1	2		918
Skamania	88						88
Snohomish	2419	2	27	1	1	2	2452
Rural	1438		26	1	1	2	1468
Everett	981	2	1				984
Spokane	5164	28	22	3	39	4	5260
Rural	1216		6		9		1231
Spokane	3948	28	16	3	30	4	4029
Stevens	414		21				435
Thurston	1025	2	5	1	1	1	1035
Rural	633	1	4		1		639
Olympia	392	1	1	1		1	396
Wahkiakum	96						96
Walla Walla	933	4		2		1	940
Rural	365					1	366
Walla Walla	568	4		2			574
Whatcom	1539	1	49				1589
Rural	692	1	43				736
Bellingham	847		6				853
Whitman	793		2	3			798
Yakima	3585	45	101	1	5	21	3758
Rural	2205	6	96		5	20	2332
Yakima	1380	39	5	1		1	1426
URBAN TOTAL	25955	710	113	112	159	85	27134
RURAL TOTAL	28532	127	477	13	73	77	29299
GRAND TOTAL	54487	837	590	125	232	162	56433
Percent of Total	96.6	1.5	1.1	0.2	0.4	0.3	100.0

TABLE II

LIVEBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY PERSON IN ATTENDANCE, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	Physi-cian	Midwife	Chiro-practor	Osteo-path	Sani-practor	Other	Not Stated	Total
Adams	143					1		144
Asotin	232				1			233
Benton	1585			6				1591
Rural	878			3				881
Richland	707			3				710
Chelan	1096			1				1097
Rural	682							682
Wenatchee	414			1				415
Clallam	670			9		2		681
Rural	320			9		2		331
PortAngeles	350							350
Clark	2180		1	6			1	2188
Rural	1423		1	4			1	1429
Vancouver	757			2				759
Columbia	108							108
Cowlitz	1414					1	1	1416
Rural	708					1	1	710
Longview	706							706
Douglas	233							233
Ferry	93					2		95
Franklin	445							445
Garfield	83							83
Grant	557							557
Grays Harbor	1286			1		7		1294
Rural	553					6		559
Aberdeen	453			1		1		455
Hoquiam	280							280
Island	169			1				170
Jefferson	353			4		2		359
King	16437		2	471	16	12	1	16939
Rural	6182			220	4	7		6413
Renton	585			8	1			594
Seattle	9670		2	243	11	5	1	9932
Kitsap	1892						1	1893
Rural	942							942
Bremerton	950						1	951
Kittitas	529			6	1	2	1	539
Klickitat	304							304
Lewis	1015	1				1		1017
Lincoln	300							300
Mason	345			1				346
anogan	656			85		3		744
cific	356							356
Pend Oreille	170			1		1		172
Pierce	5677	1		14		7		5699
Rural	1971	1		5		2		1979
Puyallup	186							186
Tacoma	3520			9		5		3534

TABLE 11 (Continued)

LIVEBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY PERSON IN ATTENDANCE, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	Physician	Midwife	Chiropractor	Osteopath	Sanipractor	Other	Not Stated	Total
San Juan	61							61
Skagit	916				1	1		918
Skamania	88							88
Snohomish	2423			24	2	3		2452
Rural	1449			14	2	3		1468
Everett	974			10				984
Spokane	5239			6	3	11	1	5260
Rural	1226			1	1	3		1231
Spokane	4013			5	2	8	1	4029
Stevens	431			1		3		435
Thurston	995			38		2		1035
Rural	612			25		2		639
Olympia	383			13				396
Wahkiakum	96							96
Walla Walla	938			1		1		940
Rural	365			1				366
Walla Walla	573					1		574
Whatcom	1587			1		1		1589
Rural	734			1		1		736
Bellingham	853							853
Whitman	790			7		1		798
Yakima	3447			293		18		3758
Rural	2189			125		18		2332
Yakima	1258			168				1426
URBAN TOTAL	26632	0	2	463	14	20	3	27134
RURAL TOTAL	28707	2	1	514	10	62	3	29299
GRAND TOTAL	55339	2	3	977	24	82	6	56433
Percent of Total	98.1	*	*	1.7	*	0.1	*	100.0

TABLE 12

LIVEBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY PLACE OF BIRTH, WITH PERCENTAGES OF TOTAL, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	General Hospital	Maternity Home	Nursing Home	Home	Other	Totals
Adams	142	1			1	144
Asotin	232			1		233
Benton	1577	8		5	1	1591
Rural	873	4		3	1	881
Richland	704	4		2		710
Chelan	1075	7		15		1097
Rural	665	4		13		682
Wenatchee	410	3		2		415
Clallam	615	59		3	4	681
Rural	271	56		3	1	331
Port Angeles	344	3			3	350
Clark	2164	9		13	2	2188
Rural	1407	8		12	2	1429
Vancouver	757	1		1		759
Columbia	108					108
Cowlitz	1411	1		3	1	1416
Rural	706	1		2	1	710
Longview	705			1		706
Douglas	230	2			1	233
Ferry	91			2	2	95
Franklin	441	3			1	445
Garfield	82	1				83
Grant	527	16		8	6	557
Grays Harbor	1274	6		14		1294
Rural	550	1		8		559
Aberdeen	446	4		5		455
Hoquiam	278	1		1		280
Island	88	78		4		170
Jefferson	350	5		4		359
King	16663	180	1	82	13	16939
Rural	6301	60		45	7	6413
Renton	590	3			1	594
Seattle	9772	117	1	37	5	9932
Kitsap	1851	5		8	29	1893
Rural	905	2		7	28	942
Bremerton	946	3		1	1	951
Kittitas	528	1		9	1	539
Klickitat	302			1	1	304
Lewis	1006	5		6		1017
Lincoln	252	26	2	17	3	300
Mason	343			3		346
Okanogan	710	6		28		744
Pacific	295	22		36	3	356
Pend Oreille	169	1		1	1	172
Pierce	5628	23		44	4	5699
Rural	1946	7		25	1	1979
Puyallup	186					186
Tacoma	3496	16		19	3	3534

TABLE 12 (Continued)

LIVEBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY PLACE OF BIRTH, WITH PERCENTAGES OF TOTAL, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	General Hospital	Maternity Home	Nursing Home	Home	Other	Totals
San Juan	52			7	2	61
Skagit	904	5		7	2	918
Skamania	85	1		2		88
Snohomish	2384	9		54	5	2452
Rural	1406	6		51	5	1468
Everett	978	3		3		984
Spokane	5161	45	2	34	18	5260
Rural	1188	16		12	15	1231
Spokane	3973	29	2	22	3	4029
Stevens	424	1		9	1	435
Thurston	989	3		36	7	1035
Rural	607	2		24	6	639
Olympia	382	1		12	1	396
Wahkiakum	95				1	96
Walla Walla	932	3		4	1	940
Rural	362	3		1		366
Walla Walla	570			3	1	574
Whatcom	1576	6		6	1	1589
Rural	729	3		3	1	736
Bellingham	847	3		3		853
Whitman	651	15		9	123	798
Yakima	3345	352		59	2	3758
Rural	1931	347		52	2	2332
Yakima	1414	5		7		1426
URBAN TOTAL	26798	196	3	119	18	27134
RURAL TOTAL	27954	709	2	415	219	29299
GRAND TOTAL	54752	905	5	534	237	56433
Percent of Total	97.0	1.6	*	0.9	0.4	100.0

* Less than 0.05 percent

TABLE 13

ILLEGITIMATE BIRTHS, BY AGE OF MOTHER, IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 LIVEBIRTHS, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	Under 15 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45yrs and over	Total	Rate
Adams		1							1	6.9
Asotin		3				1			4	17.2
Benton		7	6		2				15	9.4
Rural		5	4		2				11	12.5
Richland		2	2						4	5.6
Chelan		16	4						20	18.2
Rural		9	2						11	16.1
Wenatchee		7	2						9	21.7
Clallam		4	4	1				1	10	14.7
Rural		2	2	1				1*	6	18.1
Port Angeles		2	2						4	11.4
Clark	1	9	4	2	1				17	7.8
Rural	1	7	2	1					11	7.7
Vancouver		2	2	1	1				6	7.9
Columbia		2							2	18.5
Cowlitz		5	5			1			11	7.8
Rural		2	5			1			8	11.3
Longview		3							3	4.2
Douglas		2	2	2		1			7	30.0
Ferry			2	1					3	31.6
Franklin		1	3	1			1		6	13.5
Garfield			1						1	12.0
Grant		2	1						3	5.4
Grays Harbor	1	15	5	2	3		1		27	20.9
Rural		6	3	1	1				11	19.7
Aberdeen		5	1		1		1		8	17.6
Hoquiam	1	4	1	1	1				8	28.6
Island			2						2	11.8
Jefferson			1			1			2	5.6
King	5	139	140	74	36	20	3	1	418	24.7
Rural	1	46	39	20	7	7	1		121	18.9
Renton		2	2	1		2			7	11.8
Seattle	4	91	99	53	29	11	2	1	290	29.2
Kitsap		17	9	6	1	1	1		35	18.5
Rural		9	2	3	1	1			16	17.0
Bremerton		8	7	3			1		19	20.0
Kittitas			6	1					7	13.0
Klickitat				1					1	3.3
Lewis		4	1		1	1	1		8	7.9
Lincoln		1				1			2	6.7
Mason		3							3	8.7
Okanogan		10	5	3	1		1		20	26.9
Pacific		1							1	2.8
Pend Oreille				1					1	5.8
Pierce	2	53	36	18	9	4			122	21.4
Rural		14	10	3	3	1			31	15.7
Puyallup		2							2	10.8
Tacoma	2	37	26	15	6	3			89	25.2

TABLE 13 (Continued)

ILLEGITIMATE BIRTHS, BY AGE OF MOTHER IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 LIVEBIRTHS, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	Under 15 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45yrs and over	Total	Rate
San Juan									0	0.0
Skagit		5	4	5					14	15.2
Skamania		1							1	11.4
Snohomish		15	10	6	1	1			33	13.4
Rural		12	3	3	1	1			20	13.6
Everett		3	7	3					13	13.2
Spokane	1	46	30	22	8	5	3		115	21.9
Rural	1	12	5	3	2		2		25	20.3
Spokane		34	25	19	6	5	1		90	22.3
Stevens		2	3	1					6	13.8
Thurston		5	7	1	1	1			15	14.5
Rural		4	4	1	1	1			11	17.2
Olympia		1	3						4	10.1
Wahkiakum				1					1	10.4
Walla Walla		4	5	3	3		1		16	17.0
Rural			1	1	2				4	10.9
Walla Walla		4	4	2	1		1		12	20.9
Whatcom		5	6	4	1				16	10.1
Rural		2	2						4	5.4
Bellingham		3	4	4	1				12	14.1
Whitman		5	9	1		1			16	20.0
Yakima	2	39	38	12	5	1	1		98	26.1
Rural	2	22	20	7	3		1		55	23.6
Yakima		17	18	5	2	1			43	30.2
URBAN TOTAL	7	227	205	107	48	22	6	1	623	23.0
RURAL TOTAL	5	195	144	62	25	18	7	1	457	15.6
GRAND TOTAL	12	422	349	169	73	40	13	2	1080	19.1
Percent of total	1.1	39.1	32.3	15.6	6.8	3.7	1.2	0.2	100.0	

TABLE 14

PREMATURE BIRTHS*, BY AGE OF MOTHER, IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 LIVEBIRTHS, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	Under 15	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45 & over	Unknown age	Total	Rate
Adams		1	1	6	4					12	33.3
Asotin		2	3	3		2				10	42.9
Benton		17	38	35	8	12	1	1		112	70.4
Rural		10	28	21	5	6	1	1		72	81.7
Richland		7	10	14	3	6				40	56.3
Chelan		8	25	21	12	8	6			80	72.9
Rural		6	16	10	9	5	3			49	71.8
Wenatchee		2	9	11	3	3	3			31	74.7
Clallam		7	15	18	8		2	1		51	74.9
Rural		7	7	6	4		2	1		27	81.6
Port Angeles			8	12	4					24	68.6
Clark		9	34	34	12	9	3			101	46.2
Rural		8	21	23	5	7	3			67	46.9
Vancouver		1	13	11	7	2				34	44.8
Columbia		1	2	1		1				5	46.3
Cowlitz		17	28	28	12	8	3			96	67.8
Rural		10	16	10	5	4				45	63.4
Longview		7	12	18	7	4	3			51	72.2
Douglas		2	3	7		1				13	55.8
Ferry		1	2	2	1					6	63.2
Franklin		5	9	8	6	3				31	69.7
Garfield			2	2		1				5	60.2
Grant		5	12	5	9	3				34	61.0
Grays Harbor		10	23	27	10	10				80	61.8
Rural		5	9	8	4	6				32	57.2
Aberdeen		2	8	11	1	4				26	57.1
Hoquiam		3	6	8	5					22	78.6
Island		2	3	2	2	1	1			11	64.7
Jefferson		2	7	8	3	5				25	69.6
King		129	358	377	238	116	30	1		1249	73.7
Rural		43	132	126	93	38	13			445	69.4
Renton		6	17	12	8	2				45	75.8
Seattle		80	209	239	137	76	17	1		759	76.4
Kitsap		24	50	34	25	8	1			142	75.0
Rural		13	17	16	14	5	1			66	70.1
Bremerton		11	33	18	11	3				76	78.9
Kittitas		6	11	14	3	2	1			37	68.6
Klickitat		4	4	2	4	1				15	49.3
Lewis		5	22	19	6	9				61	60.0
Lincoln		2	6	4	2	1				15	50.0
Mason		3	13	6	3	1	1			27	78.0
Okanogan		4	16	12	6	5				43	57.8
Pacific		4	4	4	1	2				15	42.1
Pend Oreille		2	1	5	3	2				13	75.6
Pierce		51	125	112	66	30	6			390	68.4
Rural		10	38	45	20	9	4			126	63.7
Puyallup		1	2	1	4					8	43.0
Tacoma		40	85	66	42	21	2			256	72.4

TABLE 14 (Continued)

PREMATURE BIRTHS*, BY AGE OF MOTHER, IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 LIVEBIRTHS, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	Under 15	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45 & over	Unknown age	Total	Rate
San Juan		1	1	4	1					7	114.8
Skagit		20	15	17	4	2	1			59	64.3
Skamania			2		1					3	34.1
Snohomish		22	59	39	39	8	4			171	69.7
Rural		12	26	22	28	6	3			97	66.1
Everett		10	33	17	11	2	1			74	75.2
Spokane		37	128	98	72	23	5			363	69.0
Rural		2	33	14	14	6	1			70	56.9
Spokane		35	95	84	58	17	4			293	72.7
Stevens		2	12	8	4	5				31	71.3
Thurston		7	18	22	15		2			64	61.8
Rural		3	8	17	7					35	54.8
Olympia		4	10	5	8		2			29	73.2
Wahkiakum			2	1						3	31.2
Walla Walla		9	21	19	14	12	2			77	81.9
Rural		3	9	6	4	3	1			26	71.0
Walla Walla		6	12	13	10	9	1			51	88.8
Whatcom		5	24	22	15	12	2	1		81	51.0
Rural		2	7	5	4	5		1		24	32.6
Bellingham		3	17	17	11	7	2			57	66.8
Whitman		4	9	12	6	4	1			36	45.1
Yakima		39	78	60	37	18	7			239	63.6
Rural		29	50	39	23	10	6			157	67.3
Yakima		10	28	21	14	8	1			82	57.5
URBAN TOTAL	0	228	607	578	344	164	36	1	0	1958	72.2
RURAL TOTAL	0	241	579	520	308	161	43	3	0	1855	63.3
GRAND TOTAL	0	469	1186	1098	652	325	7.9	4	0	3813	67.6
Percent of Total	0.0	12.3	31.1	28.8	17.1	8.5	2.1	0.1	0.0	100.0	

* All liveborn infants weighing 5½ pounds or less

TABLE 15

NUMBER OF LIVEBIRTHS HAVING CONGENITAL MALFORMATIONS OCCURRING IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY TYPE OF MALFORMATION, 1949

County or City	Malformation of central nervous system	Malformation of heart	Other cardiovascular defects	Malformation of gastro-intestinal system	Malformation of genito-urinary system	Clubfoot	Cleft palate	Harelip	Multiple malformations*	Other and unspecified	Total
Adams						1		1		1	3
Asotin						1					1
Benton		4		1		7	2		5	4	23
Rural		2		1		5	2		2	2	14
Richland		2				2			3	2	9
Chelan		1			5	2				8	16
Rural		1			3	2				6	12
Wenatchee					2					2	4
Clallam						1			1	3	5
Rural						1				2	3
Port Angeles									1	1	2
Clark					1	5	2	1	1	6	16
Rural					1	2	2			3	8
Vancouver						3		1	1	3	8
Columbia										1	1
Cowlitz					3			1		14	13
Rural					1			1		8	10
Longview					2					6	8
Douglas									2	3	5
Ferry		1								3	4
Franklin		1				1				2	4
Garfield											0
Grant										4	4
Grays Harbor		1			3	3		1	3	4	15
Rural					2	1				2	5
Aberdeen		1				1		1	2	2	7
Hoquiam					1	1			1		3
Island					1					1	2
Jefferson										2	2
King		11		5	10	32	8	8	41	84	199
Rural		4		2	4	15	3	4	15	31	78
Renton							1	1	1	5	8
Seattle		7		3	6	17	4	3	25	48	113
Kitsap							2			12	14
Rural										5	5
Bremerton							2			7	9
Kittitas						1				2	3
Klickitat											
Lewis					1			1	2	1	5
Lincoln				1						2	3
Mason										2	2
Okanogan		1		1		2			1	5	10
Pacific		1			1					2	4
Pend Oreille								1	1	1	3

TABLE 15 (Continued)

NUMBER OF LIVEBIRTHS HAVING CONGENITAL MALFORMATIONS OCCURRING IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY TYPE OF MALFORMATION, 1949

County or City	Malformation of central nervous system	Malformation of heart	Other cardiovascular defects	Malformation of gastro-intestinal system	Malformation of genito-urinary system	Clubfoot	Cleft palate	Harelip	Multiple malformations*	Other and unspecified	Total
Pierce	1	2			5	9	4	1	16	35	73
Rural		2			1	5	2		5	13	28
Puyallup									2	2	4
Tacoma	1				4	4	2	1	9	20	41
San Juan											0
Skagit		1					1			3	5
Skamania											0
Snohomish					2	5	1		2	12	22
Rural					1	1			2	5	9
Everett					1	4	1			7	13
Spokane		4		1	10	7	4		9	23	58
Rural		1				3	1		2	6	13
Spokane		3		1	10	4	3		7	17	45
Stevens					1	4			1		6
Thurston						4	3		2	2	11
Rural						2	3		1	2	8
Olympia						2			1		3
Wahkiakum										1	1
Walla Walla						1	1	1	3	3	9
Rural							1		1	1	3
Walla Walla						1		1	2	2	6
Whatcom		2				1		2		7	12
Rural		1								2	3
Bellingham		1				1		2		5	9
Whitman						2	1			7	10
Yakima		4	1	1	1	6	1	4	1	18	37
Rural		4	1		1	2		2	1	12	23
Yakima				1		4	1	2		6	14
URBAN TOTAL	1	14	0	5	26	44	14	12	55	135	306
RURAL TOTAL	0	20	1	5	18	51	16	10	37	145	303
GRAND TOTAL	1	34	1	10	44	95	30	22	92	280	609
Percent of Total	0.2	5.6	0.2	1.6	7.2	15.6	4.9	3.6	15.1	46.0	100.0

*More than one type of malformation

TABLE 16

DEATHS OF INFANTS UNDER ONE YEAR OF AGE IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 LIVEBIRTHS, ALLOCATED TO RESIDENCE OF MOTHER AND BY PLACE OF OCCURRENCE, 1949

County or City	Residence		Occurrence	
	Number	Rate	Number	Rate
Adams	6	41.7	2	19.6
Asotin	6	25.8	3	21.6
Benton	43	27.0	28	23.7
Rural	32	36.3	11	42.1
Richland	11	15.5	17	18.5
Chelan	26	23.7	29	22.8
Rural	14	20.5	8	24.7
Wenatchee	12	28.9	21	21.2
Clallam	17	25.0	12	18.7
Rural	11	33.2	2	31.7
Port Angeles	6	17.1	10	17.3
Clark	47	21.5	48	21.4
Rural	33	23.1	11	39.7
Vancouver	14	18.4	37	18.8
Columbia	3	27.8	2	19.2
Cowlitz	52	36.7	51	31.8
Rural	26	36.6	2	*
Longview	26	36.8	49	31.0
Douglas	5	21.4	0	0.0
Ferry	4	42.1	2	42.6
Franklin	12	27.0	21	24.8
Garfield	2	24.1	1	14.0
Grant	13	23.3	6	17.6
Grays Harbor	34	26.3	37	29.2
Rural	13	23.2	4	30.8
Aberdeen	16	35.2	32	28.1
Hoquiam	5	17.9	1	*
Island	5	29.4	5	17.6
Jefferson	7	19.5	5	15.2
King	445	26.3	471	27.0
Rural	154	24.0	43	32.1
Renton	19	32.0	27	21.4
Seattle	272	27.4	401	27.0
Kitsap	45	23.8	40	21.4
Rural	21	22.3	1	27.0
Bremerton	24	25.2	39	21.2
Kittitas	17	31.5	15	27.4
Klickitat	10	32.9	9	40.4
Lewis	29	28.5	28	26.6
Lincoln	8	26.7	3	42.8
Mason	9	26.0	7	22.0
Okanogan	24	32.2	30	33.6
Pacific	5	14.0	3	9.6
Pend Oreille	3	17.4	3	14.4
Pierce	157	27.5	184	28.0
Rural	64	32.3	43	28.6
Puyallup	4	21.5	9	19.8
Tacoma	89	25.2	132	28.5

TABLE 16 (Continued)

DEATHS OF INFANTS UNDER ONE YEAR OF AGE IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 LIVEBIRTHS, ALLOCATED TO RESIDENCE OF MOTHER AND BY PLACE OF OCCURRENCE, 1949

County or City	Residence		Occurrence	
	Number	Rate	Number	Rate
San Juan	2	32.8	1	11.1
Skagit	34	37.0	36	38.4
Skamania	1	11.4	0	0.0
Snohomish	56	22.8	49	22.8
Rural	31	21.1	15	33.8
Everett	25	25.4	34	20.0
Spokane	153	29.1	181	30.0
Rural	36	29.2	10	*
Spokane	117	29.0	171	28.6
Stevens	17	39.1	15	36.9
Thurston	21	20.3	16	16.8
Rural	9	14.1	2	*
Olympia	12	30.3	14	15.1
Wahkiakum	2	20.8	0	0.0
Walla Walla	22	23.4	26	21.8
Rural	9	24.6	1	*
Walla Walla	13	22.6	25	21.0
Whatcom	32	20.1	31	18.9
Rural	12	16.3	1	10.6
Bellingham	20	23.4	30	19.4
Whitman	21	26.3	16	27.1
Yakima	131	34.8	127	34.2
Rural	102	43.7	64	47.6
Yakima	29	20.3	63	26.6
URBAN TOTAL	714	26.3	1112	25.4
RURAL TOTAL	812	27.7	431	31.4
GRAND TOTAL	1526	27.0	1543	26.8

* The number of births too small to compute a reliable rate.

TABLE

INFANT MORTALITY, BY PRINCIPAL CAUSES, IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH PERCENTAGES OF THE GRAND TOTAL ALLOCATED TO MOTHER'S RESIDENCE, 1949

County or City	Tuberculosis (all forms) (001-019)	Whooping cough (056)	Meningococcal meningitis (0570)	Measles (085)	All other infect. & parasitic dis. (020-055, 058-084, 086-138)	Diseases of the thymus gland (273)	Influenza (480-483) & Pneumonia (490-493)	Gastro-enteritis & colitis except ulcerative (4 wks & over) (571)	Congenital malformations (750-759)	Injury at birth (760-761)	Postnatal asphyxia & atelectasis (762)	Pneumonia of the newborn (763)	Other diseases peculiar to early infancy (770-773)	Immaturity with any other subsidiary condition and immaturity unqual. (774-776)	All other causes	Total
Adams									3		1		1		1	6
Asotin							3		3							6
Benton						1	1		9	1	7		3	20	1	43
Rural						1	1		7	1	7		1	14		32
Richland									2				2	6	1	11
Chelan				1					2	4	8		2	6	3	26
Rural				1					1	1	2		2	4	3	14
Wenatchee									1	3	6			2		12
Clallam							3		2	3			1	6	2	17
Rural							3		2	1				3	2	11
Port Angeles										2			1	3		6
Clark						1		1	3	7	11	2		12	10	47
Rural								1	1	5	8	1		10	7	33
Vancouver						1			2	2	3	1		2	3	14
Columbia											1			2		3
Cowlitz						1	2		14	5	5		2	15	8	52
Rural							1		8		4		1	7	5	26
Longview						1	1		6	5	1		1	8	3	26
Douglas							1		2					1	1	5
Ferry							1		1					1	1	4
Franklin							2		2	2	2			2	2	12
Garfield											1			1		2
Grant							2		1	2	4			4		13
Grays Harbor	2					2	3		3	7	1	1	4	9	2	34
Rural	2					2	1			3				4	1	13
Aberdeen							2		3	4	1		3	3		16
Hoquiam												1	1	2	1	5
Island									2	1				1	1	5

TABLE [illegible] (Continued)

INFANT MORTALITY, BY PRINCIPAL CAUSES, IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH PERCENTAGES OF THE GRAND TOTAL ALLOCATED TO MOTHER'S RESIDENCE, 1949

County or City	Tuberculosis (all forms) (001-019)	Whooping cough (056)	Meningococcal meningitis (0570)	Measles (085)	All other infect. & parasitic dis. (020-055, 058-084, 086-138)	Diseases of the thymus gland (273)	Influenza (480-483) & Pneumonia (490-493)	Gastro-enteritis & colitis except ulcerative (4 wks & over) (571)	Congenital malformations (750-759)	Injury at birth (760-761)	Postnatal asphyxia & atelectasis (762)	Pneumonia of the newborn (763)	Other diseases peculiar to early infancy (770-773)	Immaturity with any other subsidiary condition and immaturity unqual. (774-776)	All other causes	Total
Jefferson							1	2	1	1				1	1	7
King	1					4	18	4	75	61	84	13	25	112	48	445
Rural	1					3	5	2	21	28	19	4	11	41	19	154
Renton							1		3		4		2	6	3	19
Seattle						1	12	2	51	33	61	9	12	65	26	272
Kitsap						2			7	6	9		6	13	2	45
Rural						2			1	3	2		3	10		21
Bremerton									6	3	7		3	3	2	24
Kittitas						4		1	1		1		1	3	6	17
Klickitat							1			2	2		1	2	2	10
Lewis							3		9	1	6	1	2	4	3	29
Lincoln									4		2		1	1		8
Mason							1			3				4	1	9
Okanogan							4	1	3	2	5		2	5	2	24
Pacific									3	2						5
Pend Oreille									1	2						3
Pierce			1	1	1		7	1	27	20	29	1	6	39	24	157
Rural			1		1		4		12	7	10		4	12	13	64
Puyallup											2			1	1	4
Tacoma				1			3	1	15	13	17	1	2	26	10	89
San Juan													1	1		2
Skagit							2	2	5	3	4		5	4	9	34
Skamania									1							1
Snohomish							5		9	5	5	1	2	15	14	56
Rural							4		7	5	1		1	7	6	31
Everett							1		2		4	1	1	8	8	25

TABLE 17 (continued)

INFANT MORTALITY, BY PRINCIPAL CAUSES, IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH PERCENTAGES OF THE GRAND TOTAL ALLOCATED TO MOTHER'S RESIDENCE, 1949

County or City	Tuberculosis (all forms) (001-019)	Whooping cough (056)	Meningococcal meningitis (0570)	Measles (085)	All other infect. & parasitic dis. (020-055, 058-084) 086-138)	Diseases of the thymus gland (273)	Influenza (480-483) & Pneumonia (490-493)	Gastro-enteritis & colitis except ulcerative (4 wks & over) (571)	Congenital malformations (750-759)	Injury at birth (760-761)	Postnatal asphyxia & atelectasis (762)	Pneumonia of the newborn (763)	Other diseases peculiar to early infancy (770-773)	Immaturity with any other subsidiary condition and immaturity unqual. (774-776)	All other causes	Total
Spokane						2	9	5	23	17	22	4	12	42	17	153
Rural						1	1		5	2	7	2	4	8	6	36
Spokane						1	8	5	18	15	15	2	8	34	11	117
Stevens							1		1	2	4		2	6	1	17
Thurston							1		2	2	5	1	1	7	2	21
Rural							1			2	3	1		1	1	9
Olympia									2		2		1	6	1	12
Wahkiakum													1		1	2
Walla Walla							1		3	2	3		1	8	4	22
Rural							1		1	1	1		1	2	2	9
Walla Walla									2	1	2			6	2	13
Whatcom				1		1	2	1	5	5	3	1	1	7	5	32
Rural							1		1	1	1	1		6	1	12
Bellingham				1		1	1	1	4	4	2		1	1	4	20
Whitman			1			1			4	1			1	9	4	21
Yakima	2	1			2	1	20	6	18	14	13	5	3	25	21	131
Rural	2	1			1	1	16	6	13	8	12	3	3	18	18	102
Yakima					1		4		5	6	1	2		7	3	29
URBAN TOTAL	0	0	0	2	1	5	33	9	122	91	128	17	38	189	79	714
RURAL TOTAL	5	1	2	1	2	15	61	15	127	92	110	13	49	199	120	812
GRAND TOTAL	5	1	2	3	3	20	94	24	249	183	238	30	87	388	199	1526
Percent of Total	0.3	0.1	0.1	0.2	0.2	1.3	6.2	1.6	16.3	12.0	15.6	2.0	5.7	25.4	13.0	100.0

TABLE 18

DEATHS OF INFANTS UNDER ONE YEAR OF AGE IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE OF CHILD, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	Under 1 day	1 day-1 week	1 week-1 month	1 month-11 months	Total
Adams	1	2	1	2	6
Asotin	1	1		4	6
Benton	20	11	5	7	43
Rural	17	5	4	6	32
Richland	3	6	1	1	11
Chelan	14	7		5	26
Rural	6	3		5	14
Wenatchee	8	4			12
Clallam	4	6	2	5	17
Rural	1	3	2	5	11
Port Angeles	3	3			6
Clark	19	13	3	12	47
Rural	14	9	2	8	33
Vancouver	5	4	1	4	14
Columbia	1	2			3
Cowlitz	18	16	2	16	52
Rural	8	6	1	11	26
Longview	10	10	1	5	26
Douglas	2	2		1	5
Ferry	1	1		2	4
Franklin	2	7		3	12
Garfield	1	1			2
Grant	7	3		3	13
Grays Harbor	11	10	3	10	34
Rural	4	2	1	6	13
Aberdeen	6	5	2	3	16
Hoquiam	1	3		1	5
Island	2		1	2	5
Jefferson	3	1		3	7
King	185	135	40	85	445
Rural	70	41	13	30	154
Renton	4	8	3	4	19
Seattle	111	86	24	51	272
Kitsap	26	10	3	6	45
Rural	14	4	1	2	21
Bremerton	12	6	2	4	24
Kittitas	3	1	1	12	17
Klickitat	2	5		3	10
Lewis	10	8	3	8	29
Lincoln	4		2	2	8
Mason	5	2		2	9
Okanogan	12	3	1	8	24
Pacific	3			2	5
Pend Oreille	1	2			3
Pierce	69	41	7	40	157
Rural	20	19	3	22	64
Puyallup	3			1	4
Tacoma	46	22	4	17	89

TABLE 18 (Continued)

DEATHS OF INFANTS UNDER ONE YEAR OF AGE IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE OF CHILD, ALLOCATED TO RESIDENCE OF MOTHER, 1949

County or City	Under 1 day	1 day-1 week	1 week-1 month	1 month-11 months	Total
San Juan	1	1			2
Skagit	12	9	3	10	34
Skamania				1	1
Snohomish	18	12	4	22	56
Rural	10	5	3	13	31
Everett	8	7	1	9	25
Spokane	63	45	8	37	153
Rural	14	12	1	9	36
Spokane	49	33	7	28	117
Stevens	8	5	1	3	17
Thurston	14	4		3	21
Rural	5	2		2	9
Olympia	9	2		1	12
Wahkiakum	1	1			2
Walla Walla	10	6	2	4	22
Rural	3	1	1	4	9
Walla Walla	7	5	1		13
Whatcom	9	11	5	7	32
Rural	5	3	3	1	12
Bellingham	4	8	2	6	20
Whitman	9	5	1	6	21
Yakima	42	24	11	54	131
Rural	29	18	11	44	102
Yakima	13	6		10	29
URBAN TOTAL	302	218	49	145	714
RURAL TOTAL	312	195	60	245	812
GRAND TOTAL	614	413	109	390	1526
Percent of Total	40.2	27.1	7.1	25.6	100.0

TABLE 19

MATERNAL MORTALITY IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 LIVEBIRTHS, ALLOCATED TO RESIDENCE OF DECEDENT, AND BY PLACE OF OCCURRENCE, 1949

County or City	Residence		Occurrence	
	No.	Rate	No.	Rate
Adams	0	0.0	0	0.0
Asotin	1	4.3	0	0.0
Benton	1	0.6	0	0.0
Rural	1	1.1	0	0.0
Richland	0	0.0	0	0.0
Chelan	0	0.0	0	0.0
Rural	0	0.0	0	0.0
Wenatchee	0	0.0	0	0.0
Clallam	0	0.0	0	0.0
Rural	0	0.0	0	0.0
Port Angeles	0	0.0	0	0.0
Clark	1	0.4	1	0.4
Rural	1	0.7	0	0.0
Vancouver	0	0.0	1	0.5
Columbia	0	0.0	0	0.0
Cowlitz	0	0.0	0	0.0
Rural	0	0.0	0	0.0
Longview	0	0.0	0	0.0
Douglas	0	0.0	0	0.0
Ferry	1	10.5	0	0.0
Franklin	0	0.0	1	1.2
Garfield	0	0.0	0	0.0
Grant	0	0.0	0	0.0
Grays Harbor	0	0.0	0	0.0
Rural	0	0.0	0	0.0
Aberdeen	0	0.0	0	0.0
Hoquiam	0	0.0	0	0.0
Island	0	0.0	0	0.0
Jefferson	1	2.8	1	3.0
King	10	0.6	10	0.6
Rural	1	0.2	0	0.0
Renton	2	3.4	0	0.0
Seattle	7	0.7	10	0.7
Kitsap	1	0.5	1	0.5
Rural	0	0.0	0	0.0
Bremerton	1	1.0	1	0.5
Kittitas	0	0.0	0	0.0
Klickitat	0	0.0	0	0.0
Lewis	0	0.0	0	0.0
Lincoln	0	0.0	0	0.0
Mason	0	0.0	0	0.0
Okanogan	3	4.0	3	3.4
Pacific	0	0.0	0	0.0
Pend Oreille	0	0.0	0	0.0
Pierce	3	0.5	4	0.6
Rural	1	0.5	0	0.0
Puyallup	1	5.4	1	2.2
Tacoma	1	0.3	3	0.6

TABLE 19 (Continued)

MATERNAL MORTALITY IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 LIVEBIRTHS, ALLOCATED TO RESIDENCE OF DECEDENT, AND BY PLACE OF OCCURRENCE, 1949

County or City	Residence		Occurrence	
	No.	Rate	No.	Rate
San Juan	0	0.0	0	0.0
Skagit	1	1.1	1	1.1
Skamania	0	0.0	0	0.0
Snohomish	1	0.4	0	0.0
Rural	1	0.7	0	0.0
Everett	0	0.0	0	0.0
Spokane	4	0.8	3	0.5
Rural	2	1.6	0	0.0
Spokane	2	0.5	3	0.5
Stevens	1	2.3	2	4.9
Thurston	1	1.0	1	1.0
Rural	1	1.6	0	0.0
Olympia	0	0.0	1	1.1
Wahkiakum	0	0.0	0	0.0
Walla Walla	1	1.1	1	0.8
Rural	1	2.7	0	0.0
Walla Walla	0	0.0	1	0.8
Whatcom	1	0.6	1	0.6
Rural	1	1.4	0	0.0
Bellingham	0	0.0	1	0.6
Whitman	1	1.2	2	3.4
Yakima	3	0.8	3	0.8
Rural	2	0.8	1	0.7
Yakima	1	0.7	2	0.8
URBAN TOTAL	15	0.6	24	0.5
RURAL TOTAL	21	0.7	11	0.8
GRAND TOTAL	36	0.6	35	0.6

T. 20

MATERNAL MORTALITY IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY CAUSE OF DEATH, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City (When no deaths occurred in a county, that county is not listed)	Hypertensive disease arising during pregnancy (642.0)	Renal disease arising during pregnancy (642.1)	Eclampsia of pregnancy (642.3)	Ectopic pregnancy (645)	Other complications arising from pregnancy (648)	Abortion without mention of sepsis or toxemia (650)	Abortion with sepsis (651)	Delivery complicated by placenta praevia or antepartum hemorrhage (670)	Delivery complicated by other postpartum hemorrhage (672)	Delivery with other trauma (677)	Delivery with other complications of childbirth (678)	Sepsis of childbirth and the puerperium (681)	Puerperal phlebitis and thrombosis (682)	Puerperal pulmonary embolism (684)	Puerperal eclampsia (685)	Cerebral hemorrhage in the puerperium (687)	Other and unspecified complications of the puerperium (638)	All causes
Asotin									1									1
Benton											1							1
Rural											1							1
Richland																		0
Clark														1				1
Rural														1				1
Vancouver																		0
Ferry				1														1
Jefferson															1			1
King	1		1	2					2			1	1	1	1			10
Rural				1														1
Renton	1								1									2
Seattle			1	1					1			1	1	1	1			7
Kitsap			1															1
Rural																		0
Bremerton			1															1
Okanogan			1					1								1		3
Pierce						1		1								1		3
Rural																1		1
Puyallup								1										1
Tacoma						1												1
Skagit											1							14

TABLE 20 (Continued)

MATERNAL MORTALITY IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY CAUSE OF DEATH, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City (When no deaths occurred in a county, that county is not listed)	Hypertensive disease arising during pregnancy (642.0)	Renal disease arising during pregnancy (642.1)	Eclampsia of pregnancy (642.3)	Ectopic pregnancy (645)	Other complications arising from pregnancy (648)	Abortion without mention of spesis or toxemia (650)	Abortion with spesis (651)	Delivery complicated by placenta praevia or antepartum hemorrhage (670)	Delivery complicated by other postpartum hemorrhage (672)	Delivery with other trauma (677)	Delivery with other complications of childbirth (678)	Sepsis of childbirth and the puerperium (681)	Puerperal phlebitis and thrombosis (682)	Puerperal pulmonary embolism (684)	Puerperal eclampsia (685)	Cerebral hemorrhage in the puerperium (687)	Other and unspecified complications of the puerperium (688)	All causes
Snohomish												1						1
Rural												1						1
Everett																		0
Spokane		1							1	1							1	4
Rural									1								1	2
Spokane		1								1								2
Stevens						1												1
Thurston				1														1
Rural				1														1
Olympia																		0
Walla Walla					1													1
Rural					1													1
Walla Walla																		0
Whatcom														1				1
Rural														1				1
Bellingham																		0
Whitman	1																	1
Yakima							1							1			1	3
Rural														1			1	2
Yakima							1											1
URBAN TOTAL	1	1	2	1	0	1	1	1	2	1	0	1	1	1	1	0	0	15
RURAL TOTAL	1	0	1	3	1	1	0	1	2	0	2	1	0	3	1	2	2	21
GRAND TOTAL	2	1	3	4	1	2	1	2	4	1	2	2	1	4	2	2	2	36

E 21

MATERNAL DEATHS, BY CAUSE OF DEATH AND BY AGE GROUPS, WITH PERCENTAGES OF THE TOTAL, ALLOCATED TO RESIDENCE OF DECEDENT, STATE OF WASHINGTON, 1949

Age Group	Total	Hypertensive disease arising during pregnancy (642.0)	Renal disease arising during pregnancy (642.1)	Eclampsia of pregnancy (642.3)	Ectopic pregnancy (645)	Other complications arising from pregnancy (648)	Abortion without mention of sepsis or toxemia (650)	Abortion with sepsis (651)	Delivery complicated by placenta praevia or antepartum hemorrhage (670)	Delivery complicated by other postpartum hemorrhage (672)	Delivery with other trauma (677)	Delivery with other complications of childbirth (678)	Sepsis of childbirth and the puerperium (681)	Puerperal phlebitis and thrombosis (682)	Puerperal pulmonary embolism (684)	Puerperal eclampsia (685)	Cerebral hemorrhage in the puerperium (687)	Other and unspecified complications of the puerperium (688)
Under 15 years	0																	
15 - 19 years	3									1			1	1				
20 - 24 years	3						1								1			1
25 - 29 years	7	1		1	1				1		1					1		1
30 - 34 years	14	1		1	3	1	1		1			2	1		2	1		
35 - 39 years	7		1	1				1		2							2	
40 - 44 years	2									1					1			
45 years and over	0																	
Total	36	2	1	3	4	1	2	1	2	4	1	2	2	1	4	2	2	2
Percent of Total	100.0	5.6	2.8	8.3	11.1	2.8	5.6	2.8	5.6	11.1	2.8	5.6	5.6	2.8	11.1	5.6	5.6	5.6

TABLE 22

MATERNAL MORTALITY IN THE COUNTIES* AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUPS, WITH PERCENTAGES OF GRAND TOTAL, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45 years and over	Total
Asotin	1							1
Benton				1				1
Rural				1				1
Richland								0
Clark				1				1
Rural				1				1
Vancouver								0
Ferry				1				1
Jefferson			1					1
King	1		3	4	1	1		10
Rural			1					1
Renton			1		1			2
Seattle	1		1	4		1		7
Kitsap					1			1
Rural								0
Bremerton					1			1
Okanogan			1	1	1			3
Pierce				2	1			3
Rural					1			1
Puyallup				1				1
Tacoma				1				1
Skagit				1				1
Snohomish	1							1
Rural	1							1
Everett								0
Spokane		1	1		2			4
Rural		1			1			2
Spokane			1		1			2
Stevens		1						1
Thurston				1				1
Rural				1				1
Olympia								0
Walla Walla				1				1
Rural				1				1
Walla Walla								0
Whatcom						1		1
Rural						1		1
Bellingham								0
Whitman				1				1
Yakima		1	1		1			3
Rural		1	1					2
Yakima					1			1
URBAN TOTAL	1	0	3	6	4	1	0	15
RURAL TOTAL	2	3	4	8	3	1	0	21
GRAND TOTAL	3	3	7	14	7	2	0	36
Percent of Total	8.3	8.3	19.4	38.9	19.4	5.6	0.0	100.0

*In this table when no deaths occurred in a county, that county is not listed.

TABLE 23

STILLBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 LIVEBIRTHS, ALLOCATED TO RESIDENCE OF MOTHER AND BY PLACE OF OCCURRENCE, 1949

County or City	Residence		Occurrence	
	Number	Rate	Number	Rate
Adams	2	13.9	2	19.6
Asotin	1	4.2	6	43.2
Benton	23	14.4	9	7.6
Rural	18	20.4	3	11.4
Richland	5	7.0	6	6.5
Chelan	20	18.2	23	17.5
Rural	12	17.6	2	6.2
Wenatchee	8	19.3	21	21.2
Clallam	2	2.9	2	3.1
Rural	2	6.0	1	15.8
Port Angeles	0	0.0	1	1.7
Clark	39	17.8	36	16.0
Rural	22	15.4	1	3.6
Vancouver	17	22.4	35	17.8
Columbia	1	9.2	2	19.2
Cowlitz	15	10.6	18	11.2
Rural	6	8.4	0	0.0
Longview	9	12.7	18	11.4
Douglas	5	21.4	0	0.0
Ferry	0	0.0	0	0.0
Franklin	8	18.0	17	20.0
Garfield	2	2.4	2	28.2
Grant	9	16.2	3	8.8
Grays Harbor	17	13.1	16	12.6
Rural	4	7.2	0	0.0
Aberdeen	7	15.4	16	14.0
Hoquiam	6	21.4	0	0.0
Island	5	29.4	4	14.0
Jefferson	3	8.4	1	3.0
King	279	16.5	286	16.4
Rural	95	14.8	18	13.4
Renton	5	8.4	13	10.7
Seattle	179	18.0	255	17.2
Kitsap	27	14.3	28	15.0
Rural	12	12.7	1	27.0
Bremerton	15	15.8	27	14.7
Kittitas	8	14.8	9	16.4
Klickitat	2	6.6	2	9.0
Lewis	11	10.8	16	15.2
Lincoln	4	13.3	0	0.0
Mason	8	23.1	10	31.4
Okanogan	14	18.8	18	21.2
Pacific	6	16.8	3	9.6
Pend Oreille	3	17.4	3	14.4
Pierce	86	15.1	96	14.6
Rural	28	14.1	23	15.2
Puyallup	3	16.1	2	4.4
Tacoma	55	15.6	71	15.4

TABLE 23 (Continued)

STILLBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 LIVEBIRTHS, ALLOCATED TO RESIDENCE OF MOTHER AND BY PLACE OF OCCURRENCE, 1949

County or City	Residence		Occurrence	
	Number	Rate	Number	Rate
San Juan	2	32.8	0	0.0
Skagit	7	7.6	11	11.7
Skamania	0	0.0	0	0.0
Snohomish	31	12.6	31	14.4
Rural	18	12.3	7	15.8
Everett	13	13.2	24	14.1
Spokane	75	14.2	87	14.4
Rural	20	16.2	1	23.2
Spokane	55	13.6	86	14.4
Stevens	11	25.3	11	27.1
Thurston	20	19.3	15	15.8
Rural	12	18.8	0	0.0
Olympia	8	20.2	15	16.2
Wahkiakum	1	10.4	0	0.0
Walla Walla	14	14.9	16	13.4
Rural	4	10.9	0	0.0
Walla Walla	10	17.4	16	13.4
Whatcom	23	14.5	23	14.0
Rural	16	21.7	3	31.9
Bellingham	7	8.2	20	12.9
Whitman	12	15.0	9	15.2
Yakima	54	14.4	57	15.3
Rural	32	13.7	17	12.6
Yakima	22	15.4	40	16.8
URBAN TOTAL	424	16.5	666	15.9
RURAL TOTAL	426	13.8	206	15.0
GRAND TOTAL	850	15.1	872	15.1

TABLE 24

STILLBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY CAUSE, ALLOCATED TO MOTHER'S RESIDENCE, 1949

County or City	Acute and chronic disease in mother (30, 31)	Diseases and conditions of pregnancy & childbirth (32)	Difficulties in labor (34)	Other causes in mother (35)	Placental and cord conditions (36)	Birth injury (37)	Congenital malformation of fetus (38)	Diseases of fetus and ill-defined causes (39)	All causes
Adams							1	1	2
Asotin					1				1
Benton					13		3	7	23
Rural					12		1	5	18
Richland					1		2	2	5
Chelan		3	2	1	7		2	5	20
Rural		3	1	1	6			1	12
Wenatchee			1		1		2	4	8
Clallam			1		1				2
Rural			1		1				2
Port Angeles									0
Clark		2	2		21		1	13	39
Rural		1			15			6	22
Vancouver		1	2		6		1	7	17
Columbia								1	1
Cowlitz		2			9		1	3	15
Rural					4		1	1	6
Longview		2			5			2	9
Douglas			1		3			1	5
Ferry									0
Franklin			1		6			1	8
Garfield					1			1	2
Grant			1		7			1	9
Grays Harbor			2		5		3	7	17
Rural			1		1		1	1	4
Aberdeen					2		1	4	7
Hoquiam			1		2		1	2	6
Island					2		1	2	5
Jefferson					2		1		3
King	8	14	14	1	124	6	23	89	279
Rural		2	10	1	42	2	12	26	95
Renton					4	1			5
Seattle	8	12	4		78	3	11	63	179
Kitsap	2		2		12		1	10	27
Rural			1		6		1	4	12
Bremerton	2		1		6			6	15
Kittitas	1		1		5			1	8
Klickitat			1	1					2
Lewis			3		6			2	11
Lincoln			1		1			2	4
Mason		1	1		2		1	3	8
Okanogan	1		1		10			2	14
Pacific	1		1					4	6
Pend Oreille			1	1	1				3
Pierce	2	6	6	3	46	1	3	19	86
Rural		1	3		17	1		6	28
Puyallup					3				3
Tacoma	2	5	3	3	26		3	13	55

TABLE 24 (Continued)

STILLBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY CAUSES, ALLOCATED TO MOTHER'S RESIDENCE, 1949

County or City	Acute and chronic disease in mother (30, 31)	Diseases and conditions of pregnancy & childbirth (32)	Difficulties in labor (34)	Other causes in mother (35)	Placental and cord conditions (36)	Birth injury (37)	Congenital malformation of fetus (38)	Diseases of fetus and ill-defined causes (39)	All causes
San Juan					2				2
Skagit					4			3	7
Skamania									0
Snohomish	1	1	1		17		2	9	31
Rural	1	1	1		9		2	4	18
Everett					8			5	13
Spokane	1	4	5		36		4	25	75
Rural			2		7		2	9	20
Spokane	1	4	3		29		2	16	55
Stevens			1		1		1	8	11
Thurston	1		1		15		1	2	20
Rural	1		1		8		1	1	12
Olympia					7			1	8
Wahkiakum					1				1
Walla Walla			1		5			8	14
Rural			1		1			2	4
Walla Walla					4			6	10
Whatcom	1	1	1		12		1	7	23
Rural					9		1	6	16
Bellingham	1	1	1		3			1	7
Whitman		1	1		4		2	4	12
Yakima	1	3	3	1	25	2	4	15	54
Rural	1	1	1	1	13	2	1	12	32
Yakima		2	2		12		3	3	22
URBAN TOTAL	14	27	18	3	197	4	26	135	424
RURAL TOTAL	6	11	38	5	210	5	30	121	426
GRAND TOTAL	20	38	56	8	407	9	56	256	850
Percent of Total	2.4	4.5	6.6	0.9	47.9	1.0	6.6	30.1	100.0

TABLE 25

STILLBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE AND RESIDENCE OF MOTHER, 1949

County or City	Under 15 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45 yrs and over	Un-known age	Total
Adams			1		1					2
Asotin				1						1
Benton		2	5	10	3		3			23
Rural		2	4	7	2		3			18
Richland			1	3	1					5
Chelan		4	8	5	2	1				20
Rural		2	4	3	2	1				12
Wenatchee		2	4	2						8
Clallam		1		1						2
Rural		1		1						2
Port Angeles										0
Clark		3	9	13	6	5	2		1	39
Rural		2	6	10	1	2	1			22
Vancouver		1	3	3	5	3	1		1	17
Columbia		1								1
Cowlitz		3	3	3	2	1	2		1	15
Rural		1	1	1	1		1		1	6
Longview		2	2	2	1	1	1			9
Douglas				1	2	2				5
Ferry										0
Franklin		3	2		1	1			1	8
Garfield			1	1						2
Grant			1	3	5					9
Grays Harbor		4	3	4	2	2	2			17
Rural			1	1	1	1				4
Aberdeen		3	2	1			1			7
Hoquiam		1		2	1	1	1			6
Island		1	1		3					5
Jefferson				2	1					3
King		26	69	91	46	32	10	1	4	279
Rural		6	21	35	18	11	3	1		95
Renton		1	1	1		1	1			5
Seattle		19	47	55	28	20	6		4	179
Kitsap		6	7	7	4	1	1		1	27
Rural		2	5	3	1				1	12
Bremerton		4	2	4	3	1	1			15
Kittitas			5		1	2				8
Klickitat		1					1			2
Lewis		1	6	2	1		1			11
Lincoln		1	1		2					4
Mason			2	2	1	3				8
Okanogan	1	3	2	4	1	2		1		14
Pacific		1	2	1	2					6
Pend Oreille		1	1	1						3
Pierce		12	25	20	17	10	1	1		86
Rural		4	10	6	4	3		1		28
Puyallup				2	1					3
Tacoma		8	15	12	12	7	1			55

TABLE 25 (Continued)

STILLBIRTHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE AND RESIDENCE OF MOTHER, 1949

County or City	Under 15 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45yrs and over	Unknown age	Total
San Juan				2						2
Skagit			1	3	2	1				7
Skamania										0
Snohomish		2	8	8	8	4	1			31
Rural			3	7	4	3	1			18
Everett		2	5	1	4	1				13
Spokane		11	19	23	12	9	1			75
Rural		1	4	9	3	3				20
Spokane		10	15	14	9	6	1			55
Stevens		3		3	3		2			11
Thurston		2	5	2	8	1	2			20
Rural		2	5	1	3		1			12
Olympia				1	5	1	1			8
Wahkiakum			1							1
Walla Walla		1	7	3	1	1	1			14
Rural		1	1		1	1				4
Walla Walla			6	3			1			10
Whatcom			8	5	4	2	4			23
Rural			4	3	3	2	4			16
Bellingham			4	2	1					7
Whitman		2	2	4	3		1			12
Yakima		8	13	12	10	8	3			54
Rural		5	6	6	7	6	2			32
Yakima		3	7	6	3	2	1			22
URBAN TOTAL	0	56	114	114	74	44	17	0	5	424
RURAL TOTAL	1	47	104	123	80	44	21	3	3	426
GRAND TOTAL	1	103	218	237	154	88	38	3	8	850
Percent of Total	0.1	12.1	25.6	27.9	18.1	10.4	4.5	0.4	0.9	100.0

SECTION IV

* * * * *

MORTALITY

1949 General Mortality[18]

During the year 1949 a total of 22,572 deaths were reported to the State Department of Health, with a rate of 10.0 deaths per 1,000 estimated population. Of this number 22,420 were designated as residents of the State of Washington at the time of death. The resident death rate was 9.9 per 1,000 estimated population. While the total number of deaths increased over the number for 1948, the rate of death per 1,000 population was lower. The decrease in the death rate from 1948 to 1949, however, is not a statistically significant reduction.

Leading Causes of Death[19]

The leading causes of death in rank order were diseases of the heart, malignant neoplasms including neoplasms of the lymphatic and hematopoietic tissue, vascular lesions affecting the central nervous system, pneumonia and influenza, motor vehicle accidents, tuberculosis (all forms), general arteriosclerosis, immaturity with subsidiary conditions and immaturity unqualified, suicide and self-inflicted injury, diabetes mellitus, and nephritis and nephrosis.

Diseases of the heart accounted for 37.0 percent of all deaths. Motor vehicle accidents increased in rank as a cause of death from the eighth leading cause in 1948 to the fifth position as a leading cause in 1949. In reviewing the number of deaths from this cause in the respective years there were 514 deaths in 1948, representing 2.3 percent of all deaths, while in 1949 there were 478 deaths, representing 2.1 percent of the total deaths in that year.

Of the total deaths 13,857 were of the male sex and 8,563 were of the female sex. Thus 61.8 percent of the deaths were males and 38.2 percent were females. In only one of the leading causes; namely, diabetes mellitus, did the female deaths exceed the male deaths.

Of those dying 12,575, representing 56.1 percent of the total deaths, were 65 years of age and over. Thus, while this age group represents only 8.0 percent of the entire population, it accounted for over fifty percent of those dying.

The rank of the leading causes varied greatly among the various age groups.[20] It is indeed unfortunate to note that in the age groups 5 through 14 and 15 through 24 years motor vehicle accidents are the leading cause of death and ranks as the second leading cause of death in the age group 25 through 34 years. This is doubly regrettable in that the one who could have perhaps done the most to have alleviated the death is the person who was killed.

18. Table 26, page 57
19. Table 29, page 64
20. Table 30, page 66

Comparison of Selected Causes of Death by the Fifth and Sixth Revisions of the International List of Causes of Death, 1939 and 1948[21]

The figures noted in table 32 are comparisons of the major groupings of causes of death coded according to the Fifth and Sixth Revisions of the International List of Causes of Death. Here it is noted that arteriosclerotic and degenerative heart diseases and other diseases of the heart are given greater weights as causes of death in the 1948 revision than under the 1939 code. Infectious and parasitic diseases (other than influenza and pneumonia), diabetes mellitus, hypertension with heart disease, nephritis and nephrosis, and other diseases peculiar to the first year of life take lesser weights as causes of death under the 1948 revision.

The foregoing facts must be borne in mind by those persons who may wish to make comparable studies on causes of death involving the years prior to 1949 with those from that year on.

Operation and Autopsy[22]

Of those deaths occurring to residents of the State of Washington 1,152 had an operation within six months of the time of death with no autopsy being performed after death. Of those dying within six months after an operation 411 were autopsied after death. Of the total deaths 1,563 deaths occurred within six months following an operation.

There was a total of 3,369 autopsies performed on dead bodies where no operation preceded the death. A total of 3,780 autopsies were performed on bodies out of the total of 22,420 persons dying. About 17 percent of all dead bodies were autopsied. For scientific study and the advancement of medical science this represents a very small segment of the total deaths in which an effort was made other than by clinical analysis to determine the underlying cause of death.

Disposition of Bodies[23]

Of the total deaths 15,253 bodies, or 68.0 percent, were buried within the State. There were a total of 3,873 bodies cremated, or 17.3 percent of the total deaths. A total of 3,229 bodies, or 14.4 percent of the dead, were removed either from the State or from one area to another within the State for disposition there.

Accidental Deaths[24]

During the year 1949 there were 1,668 deaths reported whose contributory causes were listed as accidental. Thus 7.4 percent of all deaths were deaths which need not have occurred in that they could have been prevented.

In reviewing the age groups of those dying it is deplorable to note that 11 percent of those dying from accidental causes were under one year of age and that 38.9 percent were less than 25 years of age.

A study of the five leading causes of death by selected age groupings reveals that accidental deaths were the leading causes in the age group 1 through 24 years

21. Table 32, page 70
22. Table 33, page 72
23. Table 34, page 74
24. Table 40, page 88

and accounted for 15.6 percent of the deaths in the age group 25 through 44 years.

Thus a preventable cause takes the leading role as a cause of death among the largest segment of the State's population. Another deplorable factor relating to this cause is that the individual killed probably through precaution on his own part might have averted the death.

Accidents occurring in public places accounted for 46.3 percent of all accidental deaths, on-the-job accidents accounted for 13.3 percent, and 31.5 percent occurred within the home. The farm seemed to be the safest place with 3.5 percent of such deaths occurring there.[25]

Accidental falls were the cause of 349 deaths, drowning and submersions caused 142 deaths, and fire and explosions of combustible materials accounted for 121 deaths. The leading cause, however, was motor vehicle accidents, resulting in 451 deaths. Accidents to pedestrians accounted for 124 of the motor vehicle accident deaths while collision of two or more vehicles caused 75 deaths.

25. Table 41, page 90

TABLE 26

DEATHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 ESTIMATED POPULATION, ALLOCATED TO RESIDENCE OF DECEDENT AND BY PLACE OF OCCURRENCE, 1949

County or City	Residence		Occurrence	
	Number	Rate	Number	Rate
Adams	63	10.4	44	7.3
Asotin	130	12.2	101	9.5
Benton	265	4.9	187	3.5
Rural	199	6.8	112	3.8
Richland	66	2.7	75	3.1
Chelan	339	8.8	347	9.1
Rural	206	9.8	133	6.4
Wenatchee	133	7.6	214	12.3
Clallam	215	8.8	200	8.2
Rural	111	8.6	73	5.6
Port Angeles	104	9.1	127	11.0
Clark	673	8.1	751	9.0
Rural	395	7.9	217	4.4
Vancouver	278	8.2	534	15.8
Columbia	48	8.4	52	9.1
Cowlitz	420	7.3	404	7.0
Rural	269	7.3	146	4.0
Longview	151	7.2	258	12.3
Douglas	70	8.7	43	5.3
Ferry	47	9.8	35	7.3
Franklin	88	5.1	128	7.5
Garfield	35	11.9	29	9.8
Grant	126	8.4	94	6.3
Grays Harbor	638	11.3	596	10.6
Rural	241	10.8	131	5.9
Aberdeen	259	12.1	403	18.8
Hoquiam	138	10.9	62	4.9
Island	96	11.9	75	9.3
Jefferson	112	11.9	102	10.8
King	7300	10.6	7065	10.2
Rural	1911	10.4	1220	6.6
Renton	97	5.8	189	11.4
Seattle	5292	10.8	5656	11.6
Kitsap	632	8.2	580	7.5
Rural	398	8.9	164	3.6
Bremerton	234	7.2	416	12.8
Kittitas	193	7.7	194	7.7
Klickitat	123	11.1	95	8.6
Lewis	487	11.2	469	10.8
Lincoln	97	8.7	60	5.4
Mason	129	9.7	111	8.3
Okanogan	220	8.0	220	8.0
Pacific	162	10.3	133	8.5
Pend Oreille	68	8.4	67	8.3
Pierce	2453	10.5	2949	12.7
Rural	755	10.6	966	13.6
Puyallup	132	12.0	137	12.5
Tacoma	1566	10.4	1846	12.2

TABLE 26 (Continued)

DEATHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 1,000 ESTIMATED POPULATION, ALLOCATED TO RESIDENCE OF DECEDENT AND BY PLACE OF OCCURRENCE, 1949

County or City	Residence		Occurrence	
	Number	Rate	Number	Rate
San Juan	31	5.9	22	4.2
Skagit	145	9.7	646	14.1
Skamania	36	8.5	25	5.9
Snohomish	1127	10.7	1055	10.0
Rural	672	9.7	517	7.5
Everett	455	12.6	538	14.9
Spokane	2382	10.0	2679	11.3
Rural	454	6.8	513	7.6
Spokane	1928	11.3	2166	12.7
Stevens	209	11.3	186	10.1
Thurston	419	10.8	372	9.6
Rural	251	11.0	111	4.8
Olympia	168	10.6	261	16.5
Wahkiakum	35	7.5	20	4.3
Walla Walla	392	9.9	447	11.3
Rural	133	10.8	76	6.2
Walla Walla	259	9.5	371	13.7
Whatcom	718	11.6	678	11.0
Rural	281	9.8	193	6.8
Bellingham	437	13.2	485	14.6
Whitman	233	8.0	202	6.9
Yakima	1164	9.9	1109	9.4
Rural	680	8.5	615	7.7
Yakima	484	12.6	494	12.9
URBAN TOTAL	12181	10.5	14232	12.2
RURAL TOTAL	10239	9.3	8340	7.6
GRAND TOTAL	22420	9.9	22572	10.0

TABLE 27

DEATHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUPS, WITH PERCENTAGES, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Under 5	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 & over	Unknown age	Total
Adams	7	1	3	1	6	7	7	14	13	4	0	63
Asotin	8	1	1	5	7	14	18	30	28	18		130
Benton	51	10	10	13	16	33	39	50	33	10		265
Rural	38	7	6	11	9	17	29	45	29	8		199
Richland	13	3	4	2	7	16	10	5	4	2		66
Chelan	32	3	5	10	20	29	50	89	65	36		339
Rural	19	3	3	10	13	20	32	52	34	20		206
Wenatchee	13		2		7	9	18	37	31	16		133
Clallam	20	3	9	8	20	22	36	48	34	15		215
Rural	12	2	4	4	13	12	15	22	18	9		111
Port Angeles	8	1	5	4	7	10	21	26	16	6		104
Clark	50	8	14	23	29	54	106	174	147	68		673
Rural	36	6	11	13	18	30	62	98	85	36		395
Vancouver	14	2	3	10	11	24	44	76	62	32		278
Columbia	3	1	1			4	7	15	12	5		48
Cowlitz	59	5	5	13	21	40	77	114	64	22		420
Rural	29	4	4	9	13	22	47	80	44	17		269
Longview	30	1	1	4	8	18	30	34	20	5		151
Douglas	6			3	5	2	9	20	17	8		70
Ferry	6		3	3	1	7	3	12	8	4		47
Franklin	12	2	1	5	6	11	16	18	11	6		88
Garfield	2			1	4	1	3	6	13	5		35
Grant	18		3	2	13	17	26	14	25	8		126
Grays Harbor	45	8	7	13	23	60	140	177	130	35		638
Rural	17	6	4	7	13	27	38	64	49	16		211
Aberdeen	20	2	3	5	5	22	67	69	55	11		259
Hoquiam	8			1	5	11	35	44	26	8		138
Island	5		3	1	3	7	11	32	26	8		96
Jefferson	10	1	1	6	1	10	16	29	27	11		112
King	516	57	83	210	381	702	1280	1873	1600	597	1	7300
Rural	188	27	30	67	100	177	288	446	422	165	1	1911
Renton	22	1	2	4	7	6	19	21	13	2		97
Seattle	306	29	51	139	274	519	973	1406	1165	430		5292
Kitsap	55	8	16	24	32	53	117	157	123	47		632
Rural	24	6	12	14	14	29	77	107	86	29		398
Bremerton	31	2	4	10	18	24	40	50	37	18		234
Kittitas	18	2	5	6	8	17	35	52	34	16		193
Klickitat	15		2	11	9	9	16	26	20	15		123
Lewis	36	5	8	11	16	36	65	119	148	43		487
Lincoln	8	1	1		4	9	12	23	21	18		97
Mason	11	1	7	4	5	9	27	34	25	6		129
Okanogan	31	5	12	8	9	12	30	47	40	25	1	220
Pacific	7	2	2	4	7	12	30	40	43	14	1	162
Pend Oreille	4	2	1	5	1	5	11	11	22	6		68
Pierce	189	17	28	61	107	205	339	614	606	227		2453
Rural	75	7	10	21	30	56	130	185	170	71		755
Puyallup	5	1		2	2	13	17	29	46	17		132
Tacoma	109	9	18	38	75	136	252	400	390	139		1566

TABLE 27 (Continued)

DEATHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUPS, WITH PERCENTAGES, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Under 5	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 & over	Unknown age	Total
San Juan	2	2		1	1	3	4	8	8	2		31
Skagit	42	5	7	17	23	33	86	112	90	30		445
Skamania	2	2		2	2	4	4	7	9	4		36
Snohomish	66	16	22	28	50	103	197	255	283	107		1127
Rural	40	12	15	18	28	60	110	151	168	70		672
Everett	26	4	7	10	22	43	87	104	115	37		455
Spokane	177	14	29	52	108	202	396	611	562	226	5	2382
Rural	40	3	8	11	24	34	68	115	106	44	1	454
Spokane	137	11	21	41	84	168	328	496	456	182	4	1928
Stevens	19	4	9	6	4	12	31	39	59	25	1	209
Thurston	23	6	11	8	24	33	74	103	89	48		419
Rural	11	6	9	4	15	20	40	67	56	23		251
Olympia	12		2	4	9	13	34	36	33	25		168
Wahkiakum	2			3		5	4	10	9	2		35
Walla Walla	25	1	6	12	12	31	77	97	92	37	2	392
Rural	11		3	6	2	13	30	29	26	11	2	133
Walla Walla	14	1	3	6	10	18	47	68	66	26		259
Whatcom	42	8	5	18	31	47	104	192	196	75		718
Rural	18	6	2	8	15	22	44	63	78	25		281
Bellingham	24	2	3	10	16	25	60	129	118	50		437
Whitman	21	1	8	7	14	19	39	51	44	29		233
Yakima	144	11	22	32	49	101	191	257	259	98		1164
Rural	112	8	15	19	26	65	106	138	142	49		680
Yakima	32	3	7	13	23	36	85	119	117	49		484
URBAN TOTAL	824	72	136	303	590	1111	2167	3149	2770	1055	4	12181
RURAL TOTAL	965	141	214	334	482	869	1626	2431	2265	905	7	10239
GRAND TOTAL	1789	213	350	637	1072	1980	3793	5580	5035	1960	11	22420
Percent of Total	8.0	1.0	1.6	2.8	4.8	8.8	16.9	24.9	22.4	8.7	*	100.0

* Less than 0.05 percent

TABLE 28

DEATHS FROM LEADING CAUSES IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 100,000 ESTIMATED POPULATION, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Disease of the heart (110-443)		Malignant neoplasms including neoplasms of lymphatic and hematopoietic tissue (140-205)		Vascular lesions affecting central nervous system (330-334)		Pneumonia and influenza (490-493, 480-483)		Motor vehicle accidents (810-835)		Tuberculosis (all forms) (001-019)		General arteriosclerosis (450)		Immaturity with subsidiary condition and immaturity unqualified (774-776)		Suicide and self inflicted injury (963, 970-979)		Diabetes mellitus (260)	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Adams	26	429.8	3	49.6	5	82.6	2	33.0	5	82.6	1	16.5	0	0.0	0	0.0	0	0.0	1	16.5
Asotin	54	507.0	23	216.0	8	75.1	4	37.6	1	9.4	1	9.4	2	18.8	0	0.0	4	37.6	4	37.6
Benton	97	180.6	27	50.3	23	42.8	2	3.7	11	20.5	3	5.6	0	0.0	20	37.2	2	3.7	4	7.4
Rural	72	245.9	21	71.7	18	61.5	2	6.8	9	30.7	2	6.8	0	0.0	14	47.8	1	3.4	3	10.2
Richland	25	102.4	6	24.6	5	20.5	0	0.0	2	8.2	1	4.1	0	0.0	6	24.6	1	4.1	1	4.1
Chelan	119	310.7	46	120.1	35	91.4	11	28.7	15	39.2	3	7.8	6	15.7	6	15.7	3	7.8	4	10.4
Rural	75	358.5	23	109.9	18	86.0	7	33.5	10	47.8	2	9.6	5	23.9	4	19.1	1	4.8	3	14.3
Wenatchee	44	253.2	23	132.3	17	97.8	4	23.0	5	28.8	1	5.8	1	5.8	2	11.5	2	11.5	1	5.8
Clallam	68	278.1	32	130.9	17	69.5	6	24.5	6	24.5	5	20.4	2	8.2	6	24.5	4	16.4	4	16.4
Rural	31	239.9	15	116.1	9	69.6	4	31.0	2	15.5	3	23.2	1	7.7	3	23.2	2	15.5	3	23.2
Port Angeles	37	320.9	17	147.4	8	69.4	2	17.3	4	34.7	2	17.3	1	8.7	3	26.0	2	17.3	1	8.7
Clark	229	274.1	120	143.6	60	71.8	12	14.4	16	19.2	11	13.2	23	27.5	12	14.4	11	13.2	11	13.2
Rural	133	267.1	64	128.5	35	70.3	8	16.1	11	22.1	7	14.1	12	24.1	10	20.1	8	16.1	5	10.0
Vancouver	96	284.4	56	165.9	25	74.1	4	11.8	5	14.8	4	11.8	11	32.6	2	5.9	3	8.9	6	17.8
Columbia	21	368.4	5	87.7	8	140.4	0	0.0	1	17.5	0	0.0	0	0.0	2	35.1	0	0.0	0	0.0
Cowlitz	139	240.3	56	96.8	47	81.2	9	15.6	8	13.8	7	12.1	2	3.4	15	25.9	6	10.4	4	6.9
Rural	99	268.6	34	92.3	30	81.4	6	16.3	4	10.8	5	13.6	2	5.4	7	19.0	5	13.6	3	8.1
Longview	40	190.5	22	104.8	17	81.0	3	14.3	4	19.0	2	9.5	0	0.0	8	38.1	1	4.8	1	4.8
Douglas	27	335.4	11	136.6	6	74.5	3	37.3	1	12.4	1	12.4	0	0.0	1	12.4	1	12.4	1	12.4
Ferry	12	250.0	8	166.7	4	83.3	1	20.8	2	41.7	2	41.7	0	0.0	1	20.8	1	20.8	0	0.0
Franklin	29	169.1	11	64.1	7	40.8	3	17.5	4	23.3	0	0.0	0	0.0	2	11.7	2	11.7	1	5.8
Garfield	14	474.6	3	101.7	4	135.6	0	0.0	1	33.9	0	0.0	1	33.9	1	33.9	0	0.0	0	0.0
Grant	46	308.7	19	127.5	7	47.0	4	26.8	13	87.2	3	20.1	2	13.4	4	26.8	2	13.4	3	20.1
Grays Harbor	191	338.6	89	157.8	82	145.4	19	22.7	14	24.8	21	37.2	8	14.2	9	16.0	12	21.3	9	16.0
Rural	67	300.3	35	156.9	31	139.0	7	31.4	10	44.8	6	26.9	2	9.0	4	17.9	4	17.9	4	17.9
Aberdeen	83	386.6	33	153.7	27	125.8	7	32.6	4	18.6	11	51.2	3	14.0	3	14.0	6	27.9	3	14.0
Hoquiam	41	324.9	21	166.4	24	190.2	5	39.6	0	0.0	4	31.7	3	23.8	2	15.3	2	15.8	2	15.8

TABLE 2(continued)

DEATHS FROM LEADING CAUSES IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON WITH RATES PER 100,000 ESTIMATED POPULATION, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Disease of the heart (410-443)		Malignant neoplasms including neoplasms of lymphatic and hematopoietic tissue (140-205)		Vascular lesions affecting central nervous system (330-334)		Pneumonia and influenza (490-493, 480-483)		Motor vehicle accidents (810-835)		Tuberculosis (all forms) (001-019)		General arteriosclerosis (450)		Immaturity with subsidiary condition and immaturity unqualified (774-776)		Suicide and self inflicted injury (963, 970-979)		Diabetes mellitus (260)	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Island	33	409.9	18	223.6	14	173.9	1	12.4	1	12.4	3	37.3	3	37.3	1	12.4	0	0.0	0	0.0
Jefferson	45	487.7	17	180.8	17	180.8	4	42.6	2	21.3	2	21.3	1	10.6	1	10.6	1	10.6	4	42.6
King	2764	400.6	1102	159.7	783	113.5	312	45.2	132	19.1	159	23.0	102	14.8	112	16.2	140	20.3	82	11.9
Rural	707	383.4	299	162.2	209	113.4	66	35.8	46	24.9	24	13.0	32	17.4	41	22.2	28	15.2	24	13.0
Renton	30	180.3	11	66.1	5	30.0	7	42.1	6	36.1	1	6.0	0	0.0	6	36.1	2	12.0	2	12.0
Seattle	2027	414.5	792	162.0	569	116.4	239	48.9	80	16.4	134	27.4	70	14.3	65	13.3	110	22.5	56	11.4
Kitsap	219	282.9	112	144.7	57	73.6	12	15.5	12	15.5	6	7.8	11	14.2	13	16.8	8	10.3	8	10.3
Rural	132	294.3	76	169.4	38	84.7	11	24.5	7	15.6	6	13.4	10	22.3	10	22.3	4	8.9	3	6.7
Bremerton	87	267.3	36	110.6	19	58.4	1	3.1	5	15.4	0	0.0	1	3.1	3	9.2	4	12.3	5	15.4
Kittitas	60	238.6	25	99.4	24	95.4	4	15.9	5	19.9	4	15.9	2	8.0	3	11.9	2	8.0	4	15.9
Klickitat	33	297.3	15	135.1	15	135.1	4	36.0	2	18.0	4	36.0	0	0.0	2	18.0	3	27.0	3	27.0
Lewis	196	450.6	65	149.4	58	133.3	12	27.6	10	23.0	7	16.1	8	18.4	4	9.2	4	9.2	5	11.5
Lincoln	37	331.8	14	125.6	14	125.6	3	26.9	2	17.9	2	17.9	3	26.9	1	9.0	3	26.9	1	9.0
Mason	56	421.0	11	82.7	10	75.2	2	15.0	6	45.1	2	15.0	5	37.6	4	30.1	1	7.5	2	15.0
Okanogan	70	253.6	30	108.7	28	101.4	6	21.7	8	29.0	3	10.9	2	7.2	5	18.1	0	0.0	5	18.1
Pacific	78	496.8	19	121.0	13	82.8	4	25.5	2	12.7	1	6.4	4	25.5	0	0.0	0	0.0	4	25.5
Pend Oreille	27	335.4	12	149.1	7	87.0	2	24.8	1	12.4	0	0.0	1	12.4	0	0.0	1	12.4	1	12.4
Pierce	973	418.4	343	147.5	268	115.2	56	24.1	42	18.1	46	19.8	69	29.7	39	16.8	47	20.2	32	13.8
Rural	322	454.3	97	136.8	71	100.2	16	22.6	14	19.8	14	19.8	22	31.0	12	16.9	14	19.8	11	15.5
Puyallup	67	611.9	17	155.2	13	118.7	3	27.4	2	18.3	0	0.0	4	36.5	1	9.1	0	0.0	0	0.0
Tacoma	584	387.4	229	151.9	184	122.0	37	24.5	26	17.2	32	21.2	43	28.5	26	17.2	33	21.9	21	13.9
San Juan	12	228.6	6	114.3	3	57.1	0	0.0	0	0.0	0	0.0	2	38.1	1	19.0	0	0.0	0	0.0
Skagit	148	324.1	67	146.7	45	98.5	14	30.6	10	21.9	6	13.1	5	10.9	4	8.8	6	13.1	10	21.9
Skamania	13	305.9	6	141.2	4	94.1	0	0.0	1	23.5	1	23.5	0	0.0	0	0.0	0	0.0	0	0.0
Snohomish	388	369.6	149	141.9	173	164.8	26	24.8	30	28.6	23	21.9	27	25.7	15	14.3	13	12.4	17	16.2
Rural	235	340.7	92	133.3	101	146.4	18	26.1	21	30.4	13	18.8	13	18.8	7	10.1	9	13.0	8	11.6
Everett	153	425.0	57	158.3	72	200.0	8	22.2	9	25.0	10	27.8	14	38.9	8	22.2	4	11.1	9	25.0

TABLE . Continued)

DEATHS FROM LEADING CAUSES IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON WITH RATES PER 100,000 ESTIMATED POPULATION, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Disease of the heart (410-443)		Malignant neoplasms including neoplasms of lymphatic and hematopoietic tissue (140-205)		Vascular lesions affecting central nervous system (330-334)		Pneumonia and influenza (490-493, 480-483)		Motor vehicle accidents (810-835)		Tuberculosis (all forms) (001-019)		General arteriosclerosis (450)		Immaturity with subsidiary condition and immaturity unqualified (771-776)		Suicide and self inflicted injury (963, 970-979)		Diabetes mellitus (260)	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Spokane	957	403.4	349	147.1	258	108.7	77	32.4	41	17.3	37	15.6	52	21.9	42	17.7	39	16.4	39	16.4
Rural	179	266.2	67	99.6	46	68.4	19	28.2	10	14.9	7	10.4	10	14.9	8	11.9	6	8.9	11	16.4
Spokane	778	457.6	282	165.9	212	124.7	58	34.1	31	18.2	30	17.6	42	24.7	34	20.0	33	19.4	28	16.5
Stevens	81	439.0	30	162.6	24	130.0	5	27.1	2	10.8	4	21.7	3	16.3	6	32.5	3	16.3	1	5.4
Thurston	162	419.0	65	168.1	39	100.9	10	25.9	13	33.6	3	7.8	11	28.4	7	18.1	6	15.5	13	33.6
Rural	96	420.0	35	153.1	20	87.5	8	35.0	11	48.1	2	8.7	7	30.6	1	4.4	3	13.1	12	52.5
Olympia	66	417.7	30	189.9	19	120.2	2	12.6	2	12.6	1	6.3	4	25.3	6	38.0	3	19.0	1	6.3
Wahkiakum	9	193.5	2	43.0	7	150.5	0	0.0	0	0.0	1	21.5	2	43.0	0	0.0	1	21.5	3	64.5
Walla Walla	147	372.4	49	124.1	45	114.0	7	17.7	11	27.9	12	30.4	4	10.1	8	20.3	3	7.6	6	15.2
Rural	45	365.3	17	138.0	21	170.4	3	24.4	6	48.7	4	32.5	2	16.2	2	16.2	2	16.2	0	0.0
Walla Walla	102	375.7	32	117.9	24	88.4	4	14.7	5	18.4	8	29.5	2	7.4	6	22.1	1	3.7	6	22.1
Whatcom	240	389.3	111	180.0	103	167.1	27	43.8	10	16.2	14	22.7	22	35.7	7	11.4	8	13.0	16	26.0
Rural	97	339.8	40	140.1	32	112.1	10	35.0	4	14.0	4	14.0	8	28.0	6	21.0	3	10.5	10	35.0
Bellingham	143	432.0	71	214.5	71	214.5	17	51.4	6	18.1	10	30.2	14	42.3	1	3.0	5	15.1	6	18.1
Whitman	70	240.5	39	134.0	18	61.9	4	13.7	8	27.5	1	3.4	6	20.6	9	30.9	3	10.3	4	13.7
Yakima	417	353.5	153	129.7	106	89.9	42	35.6	29	24.6	28	23.7	19	16.1	25	21.2	19	16.1	19	16.1
Rural	215	269.9	93	116.8	60	75.3	29	36.4	18	22.6	17	21.3	10	12.6	18	22.6	14	17.6	10	12.6
Yakima	202	527.4	60	156.7	46	120.1	13	33.9	11	28.7	11	28.7	9	23.5	7	18.3	5	13.1	9	23.5
URBAN TOTAL	4605	396.2	1795	154.4	1357	116.7	414	35.6	207	17.8	262	22.5	222	19.1	189	16.2	217	18.7	158	13.6
RURAL TOTAL	3702	335.8	1467	133.1	1089	98.8	296	26.8	271	24.6	165	15.0	188	17.0	199	18.0	142	12.9	167	15.1
GRAND TOTAL	8307	366.8	3262	144.0	2446	108.0	710	31.3	478	21.1	427	18.8	410	18.1	388	17.1	359	15.8	325	14.4

DEATHS FROM LEADING CAUSES AND ALL CAUSES IN THE STATE OF WASHINGTON, BY SEX AND BY AGE GROUPS, ALLOCATED TO RESIDENCE OF DECEASED, 1949

Cause of Death	Sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over	Unknown age
Diseases of the heart (410-443)	M	5416	1		4	5	32	177	522	1181	1706	1787	1
	F	2891	2	2	5	7	18	68	173	449	838	1328	1
	T	8307	3	2	9	12	50	245	695	1630	2544	3115	2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissue (140-205)	M	1769	1	15	15	21	41	74	177	391	563	470	1
	F	1493	1	9	6	13	40	124	241	341	393	325	
	T	3262	2	24	21	34	81	198	418	732	956	795	1
Vascular lesions affecting central nervous system (330-334)	M	1286	4	2	2	3	5	20	61	181	426	581	1
	F	1160		1		2	7	22	67	188	320	552	1
	T	2446	4	3	2	5	12	42	128	369	746	1133	2
Pneumonia and influenza (490-493, 480-483)	M	450	54	25	5	3	9	13	27	57	89	168	
	F	260	40	13	8	1	4	4	9	22	36	123	
	T	710	94	38	13	4	13	17	36	79	125	291	
Motor vehicle accidents (810-835)	M	358	4	19	15	76	57	43	36	39	39	29	1
	F	120	2	9	11	16	20	11	11	16	12	12	
	T	478	6	28	26	92	77	54	47	55	51	41	1
Tuberculosis (all forms) (001-019)	M	313	3	8	1	8	25	43	60	64	64	36	1
	F	114	2	5		9	27	19	17	9	20	6	
	T	427	5	13	1	17	52	62	77	73	84	42	1
General arteriosclerosis (450)	M	225								12	40	173	
	F	185							3	9	23	150	
	T	410							3	21	63	323	

TABLE 2 (Continued)
DEATHS FROM LEADING CAUSES AND ALL CAUSES IN THE STATE OF WASHINGTON, BY SEX AND BY AGE GROUPS, ALLOCATED TO RESIDENCE OF DECEASED, 1949

Cause of Death	Sex	Total	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 years and over	Unknown age
Immaturity with subsidiary condition and immaturity unqualified (774-776)	M	231	231										
	F	157	157										
	T	388	388										
Suicide and self-inflicted injury (963, 970-979)	M	279			1	7	37	50	53	65	46	20	
	F	80				4	16	19	16	14	11		
	T	359			1	11	53	69	69	79	57	20	
Diabetes mellitus (260)	M	138					8	4	11	20	53	42	
	F	187	1			5	3	4	14	40	68	52	
	T	325	1			5	11	8	25	60	121	94	
Nephritis and nephrosis (590-594)	M	162		1	2	4	14	9	22	27	40	43	
	F	95			4	9	6	5	8	17	22	24	
	T	257		1	6	13	20	14	30	44	62	67	
All other causes	M	3230	614	87	89	105	175	254	306	470	529	597	4
	F	1821	409	67	45	52	93	109	146	181	242	477	
	T	5051	1023	154	134	157	268	363	452	651	771	1074	4
All Causes	M	13857	912	157	134	232	403	687	1275	2507	3595	3946	9
	F	8563	614	106	79	118	234	385	705	1286	1985	3049	2
	T	22420	1526	263	213	350	637	1072	1980	3793	5580	6995	11

TABLE 30

FIVE LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUPS, STATE OF WASHINGTON, 1949

Age and Cause of Death	International List Number	Number	Percent
Under 1 year:			
All causes		1526	100.0
Immaturity	774-776	388	25.4
Congenital malformations	750-759	249	16.3
Postnatal asphyxia and atelectasis	762	238	15.6
Birth injuries	760,761	183	12.0
Pneumonia and influenza, including pneumonia of the newborn	480-483,490-493,763	124	8.1
All other causes		344	22.5
1-4 years:			
All causes		263	100.0
Accidents excluding motor vehicle accidents	800-802,840-936	71	27.0
Pneumonia and influenza	480-483,490-493	38	14.4
Motor vehicle accidents	810-835	28	10.6
Malignant neoplasms, including neoplasm of lymphatic and haematopoietic tissues	140-205	24	9.1
Congenital malformations	750-759	16	6.1
All other causes		86	32.7
5-14 years:			
All causes		213	100.0
Accidents excluding motor vehicle accidents	800-802,840-936	66	31.0
Motor vehicle accidents	810-835	26	12.2
Malignant neoplasms including neoplasms of lymphatic and haematopoietic tissues	140-205	21	9.8
Acute poliomyelitis	080	17	8.0
Pneumonia and influenza	480-483,490-493	13	6.1
All other causes		70	32.9
15-24 years:			
All causes		350	100.0
Motor vehicle accidents	810-835	92	26.3
Accidents excluding motor vehicle accidents	800-802,840-962	83	23.7

TABLE 30 (Continued)

FIVE LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUPS, STATE OF WASHINGTON, 1949

Age and Cause of Death	International List Number	Number	Percent
15-24 years continued:			
Malignant neoplasms including neoplasms of lymphatic and haematopoietic tissues	140-205	34	9.7
Tuberculosis (all forms)	001-019	17	4.8
Nephritic and nephrosis	590-594	13	3.7
Homicides	980-985	12	3.4
All other causes		99	23.3
25-44 years:			
All causes		1709	100.0
Diseases of the heart	410-443	295	17.3
Malignant neoplasms including neoplasms of lymphatic and haematopoietic tissues	140-205	279	16.3
Accidents excluding motor vehicle accidents	800-802,840-962	266	15.6
Motor vehicle accidents	810-835	131	7.7
Suicides and self-inflicted injury	963,970-979	122	7.1
All other causes		616	36.0
45-64 years:			
All causes		5773	100.0
Diseases of the heart	410-443	2325	40.3
Malignant neoplasms including neoplasms of lymphatic and haematopoietic tissues	140-205	1150	19.9
Vascular lesions affecting central nervous system	330-334	497	8.6
Accidents excluding motor vehicle accidents	800-802,840-962	251	4.3
Tuberculosis (all forms)	001-019	150	2.6
All other causes		1400	24.2
65 years and over:*			
All causes		12,586	100.0
Diseases of the heart	410-443	5661	45.0
Vascular lesions affecting central nervous system	330-334	1881	14.9
Malignant neoplasms including neoplasms of lymphatic and haematopoietic tissues	140-205	1752	13.9
Pneumonia and influenza	480-483,490-493	416	3.3
General arteriosclerosis	450	386	3.1
All other causes		2490	19.8

*Includes 11 of unknown age

TABLE 31

SUMMARY OF THE NUMBER OF DEATHS FROM LEADING CAUSES, WITH RATES PER 100,000 POPULATION, STATE OF WASHINGTON, 1910 - 1949*

Year	Diseases of the heart (90-95)		Cancer and other malignant tumors (45-55)		Intracranial lesions of vascular origin (83)		Nephritis (all forms) (130-132)		Pneumonia (all forms) (107-109)		Tuberculosis (all forms) (13-22)	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1910	995	86.7	593	51.7	535	46.6	634	55.3	841	73.3	1,243	108.4
1911	1,105	94.5	562	48.1	605	51.8	670	57.3	789	67.5	1,299	111.1
1912	1,111	93.3	679	57.0	561	47.1	639	53.7	645	54.2	1,174	98.6
1913	1,271	104.8	720	59.4	645	53.2	748	61.7	793	65.4	1,242	102.4
1914	1,258	101.9	871	70.6	665	53.9	764	61.9	713	57.8	1,246	101.0
1915	1,403	111.7	841	70.0	677	53.9	787	62.7	840	66.9	1,275	101.5
1916	1,411	110.4	952	74.5	746	58.4	757	59.2	820	64.2	1,248	97.7
1917	1,440	110.8	935	71.9	738	56.8	735	56.6	865	66.6	1,300	100.0
1918	1,653	125.1	994	75.2	811	61.4	795	60.2	1,953	147.8	1,341	101.5
1919	1,583	117.8	1,045	77.8	860	64.0	824	61.3	1,164	86.7	1,385	103.1
1920	1,815	133.0	1,123	82.3	925	67.8	844	61.8	1,281	93.8	1,346	98.6
1921	1,831	132.2	1,192	86.0	1,005	72.5	828	59.8	793	57.2	1,150	83.0
1922	1,948	138.6	1,281	91.1	1,131	80.4	832	59.2	903	64.2	1,104	78.5
1923	1,952	136.9	1,303	91.4	1,110	77.8	805	56.4	852	59.7	1,113	78.0
1924	2,236	154.6	1,394	96.4	1,117	77.2	906	62.6	839	58.0	1,087	75.1
1925	2,269	154.7	1,509	102.9	1,198	81.7	1,080	73.6	877	59.8	1,195	81.5
1926	2,495	167.7	1,626	109.3	1,181	79.4	1,036	69.6	975	65.6	1,127	75.8
1927	2,788	184.9	1,537	101.9	1,315	87.2	989	65.6	938	62.2	1,053	69.8
1928	3,030	198.3	1,718	112.4	1,388	90.8	1,098	71.8	986	64.5	1,055	69.0
1929	3,064	197.9	1,661	107.3	1,341	86.6	1,066	68.8	964	62.2	1,032	66.6
1930	3,347	213.3	1,764	112.4	1,490	95.0	1,183	75.4	994	63.4	921	58.7
1931	3,232	203.9	1,833	115.7	1,501	94.7	1,084	68.4	869	54.8	951	60.0
1932	3,535	220.9	1,800	112.5	1,494	93.4	1,268	79.2	861	53.8	847	52.9
1933	3,799	234.6	1,946	120.2	1,528	94.4	1,157	71.5	787	48.6	857	52.9
1934	4,010	244.1	2,058	125.3	1,545	94.1	1,196	72.8	858	52.2	741	45.1
1935	4,308	259.4	2,146	129.2	1,615	97.2	1,288	77.6	905	54.5	794	47.8
1936	4,589	273.7	2,273	135.6	1,699	101.3	1,218	72.6	1,276	76.1	793	47.3
1937	4,637	273.8	2,162	127.6	1,670	98.6	1,237	73.0	1,133	66.9	750	44.3
1938	4,711	275.6	2,307	134.9	1,782	104.2	1,145	67.0	1,100	64.3	692	40.5
1939	4,980	288.6	2,400	139.1	1,782	103.3	1,110	64.3	878	50.9	693	40.2
1940	5,859	336.3	2,515	144.4	1,841	105.7	1,239	71.1	827	47.5	665	38.2
1941	5,887	323.9	2,428	133.6	1,804	99.2	1,190	65.5	685	37.7	663	36.5
1942	6,186	326.5	2,477	130.7	2,017	106.5	1,174	62.0	880	46.4	634	33.5
1943	6,812	343.6	2,563	129.3	1,970	99.4	1,179	59.5	1,065	53.7	674	34.0
1944	6,607	332.6	2,585	130.1	1,989	100.1	1,079	54.3	941	47.4	653	32.9
1945	6,661	327.6	2,692	132.4	1,856	91.3	1,107	54.4	844	41.5	667	32.8
1946	7,037	343.2	2,776	135.4	1,936	94.4	981	47.8	784	38.2	702	34.2
1947	7,114	341.0	2,987	143.2	2,090	100.2	1,015	48.7	771	37.0	557	26.7
1948	7,229	336.5	3,034	141.2	2,126	99.0	951	44.3	810	37.7	552	25.7
1949#	8,307	366.8	3,262	144.0	2,446	108.0	257	11.3	670	29.6	427	18.8

*Source: 1910 - 1933 place of occurrence figures from published reports of the National Office of Vital Statistics.

1934 - 1949 place of residence figures (except for 1936, which are by place of occurrence since residence figures are not available for that year) from Section of Public Health Statistics, Washington State Department of Health.

Revision of the International Statistical Classification of Causes of Death and new coding rules in 1949 accounts for the wide variance in the number of deaths from certain causes.

TABLE 31 (Continued)

SUMMARY OF THE NUMBER OF DEATHS FROM LEADING CAUSES, WITH RATES PER 100,000 POPULATION, STATE OF WASHINGTON, 1910 - 1949*

Year	Accidental fall (186a)		Diabetes Mellitus (61)		Motor Vehicle Accidents (170)		Pre-maturity (159)		Suicides (all forms) (163-164)		Syphilis (all forms) (30)		Arterio-sclerosis (97)**	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1910	129	11.2	124	10.8	17	1.5	308	26.8	230	20.0	54	4.7		
1911	112	9.6	123	10.5	24	2.0	321	27.5	252	21.6	40	3.4		
1912	128	10.8	121	10.2	35	2.9	328	27.5	264	22.2	39	3.3		
1913	132	10.9	172	14.2	40	3.3	350	28.9	246	20.3	58	4.8		
1914	139	11.3	171	13.9	67	5.4	421	34.1	303	24.6	67	5.4		
1915	133	10.6	192	15.3	105	8.4	372	29.6	304	24.2	57	4.5		
1916	114	8.9	187	14.6	82	6.4	419	32.8	184	14.4	84	6.6		
1917	128	9.8	198	15.2	117	9.0	400	30.8	188	14.5	111	8.5		
1918	157	11.9	222	16.8	151	11.4	490	37.1	176	13.3	87	6.6		
1919	118	8.8	207	15.4	148	11.0	415	30.9	190	14.1	113	8.4		
1920	154	11.3	190	13.9	184	13.5	517	37.9	246	18.0	131	9.6		
1921	140	10.1	210	15.2	202	14.6	427	30.8	288	20.8	96	6.9		
1922	145	10.3	289	20.6	173	12.3	436	31.0	273	19.4	138	9.8		
1923	154	10.8	249	17.5	240	16.8	415	29.1	236	16.5	127	8.9		
1924	187	12.9	233	16.1	265	18.3	418	28.9	285	19.7	147	10.2		
1925	200	13.6	236	16.1	299	20.4	386	26.3	318	21.7	180	12.3		
1926	184	12.4	264	17.7	342	23.0	373	25.1	293	19.7	157	10.6		
1927	210	13.9	271	18.0	365	24.2	334	22.2	310	20.6	150	9.9		
1928	218	14.3	286	18.7	424	27.7	351	23.0	351	23.0	171	11.2		
1929	237	15.3	271	17.5	441	28.5	323	20.9	312	22.1	156	10.1		
1930	240	15.3	309	19.7	413	26.3	340	21.7	384	24.5	164	10.4	327	20.8
1931	254	16.0	315	19.9	462	29.2	304	19.2	411	25.9	176	11.1	306	19.3
1932	283	17.7	353	22.1	415	25.9	303	18.9	450	28.1	169	10.6	324	20.2
1933	301	18.6	354	21.9	448	27.7	274	16.9	380	23.5	148	9.1	338	20.9
1934	384	23.4	343	20.9	555	33.8	320	19.5	355	21.6	157	9.6	372	22.6
1935	397	23.9	379	22.8	572	34.4	330	19.9	356	21.4	159	9.6	346	20.8
1936	411	24.5	416	24.8	629	37.5	361	21.5	408	24.3	158	9.4	393	23.4
1937	382	22.6	362	22.6	539	31.8	321	19.0	404	23.8	193	11.4	377	22.2
1938	384	22.5	412	24.1	466	27.2	359	21.0	447	26.1	180	10.5	406	23.7
1939	390	22.6	440	25.5	477	27.6	335	19.4	348	20.2	163	9.4	449	26.0
1940	429	24.6	458	26.3	524	30.1	325	18.7	395	22.7	223	12.8	331	19.0
1941	397	21.8	438	24.1	693	38.1	423	23.3	354	19.5	225	12.4	227	15.2
1942	361	19.1	478	25.2	455	24.0	466	24.6	356	18.8	205	10.8	320	16.9
1943	460	23.2	495	25.0	372	18.8	499	25.2	284	14.3	210	10.6	484	24.4
1944	397	20.0	452	22.8	375	18.9	466	23.5	273	13.7	192	9.7	430	21.6
1945	391	19.2	463	22.8	537	26.4	549	27.0	290	14.3	175	8.6	431	21.2
1946	381	18.6	479	23.4	585	28.5	671	32.7	344	16.8	167	8.1	344	16.8
1947	399	19.1	482	23.1	531	25.4	574	27.5	361	17.3	154	7.4	321	15.4
1948	412	19.2	490	22.8	514	23.9	586	27.3	315	14.7	114	5.3	315	14.7
1949#	349	15.4	325	14.4	478	21.1	388	17.1	359	15.8	111	4.9	410	18.1

* Source: 1910 - 1933 place of occurrence figures from published reports of the National Office of Vital Statistics.

1934 - 1949 place of residence figures (except for 1936, which are by place of occurrence since residence figures are not available for that year) from Section of Public Health Statistics, Washington State Department of Health.

** No figures for "arteriosclerosis" are available prior to 1930.

\# Revision of the International Statistical Classification of Causes of Death and new coding rules in 1949 accounts for the wide variance in the number of deaths from certain causes.

TABLE 32

COMPARISON OF SELECTED CAUSES OF DEATH BY THE SIXTH REVISION OF INTERNATIONAL LIST, 1948, AND FIFTH REVISION OF INTERNATIONAL LIST, 1939, STATE OF WASHINGTON, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

Cause of Death	International List Number Sixth Revision 1948	Total	Rate*	International List Number Fifth Revision 1939	Total	Rate*
Infective and parasitic diseases (excluding influenza)	001-138	653	28.8	1-32,34-44	719	31.7
Tuberculosis (all forms)	001-019	427	18.8	13-22	431	19.0
Tuberculosis of respiratory system	001-008	384	17.0	13	384	17.0
Tuberculosis, other forms	010-019	43	1.9	11-22	47	2.0
Syphilis and its sequelae	020-029	111	4.9	30	131	5.8
Infectious diseases commonly arising in intestinal tract	040-049	9	0.4	1,2,4,5,27	5	0.2
Diphtheria	055	2	0.1	10	2	0.1
Whooping cough	056	4	0.2	9	3	0.1
Meningococcal infections	057	17	0.8	6	17	0.8
Acute poliomyelitis	080	35	1.5	36	35	1.5
All other infective and parasitic diseases	030-039,050-054,058-074,081-085,086-096 100-117,120-138	48	2.1	3,7,8,11,12,23-26,28, 29,31,32,34,35,37-44	95	4.2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	140-205	3262	144.0	45-55	3204	141.5
Benign and unspecified neoplasms	210-239	69	3.0	56,57	68	3.0
Diabetes mellitus	260	325	14.4	61	534	23.6
Rheumatic fever	400-402	26	1.1	58	11	0.5
Diseases of cardio-vascular-renal system	330-334,410-450 590-594	11634	513.7	83,90-95,97,102, 130-132	11157	492.6
Vascular lesions affecting cen. nerv. sys.	330-334	2446	108.0	83	2187	96.6
Diseases of heart	410-443	8307	366.8	90-95	7613	336.1
Chronic rheumatic heart disease	410-416	400	17.7	90a,92b,c,93c,95b	393	17.4
Arteriosclerotic and degen. heart dis.	420-422	6336	279.8	90b,91,92a,d,e	332	14.6
Hypertension with heart disease	440-443	1128	49.8	93a,b,d,e,	3037	134.1
Other diseases of heart	430-434	443	19.6	94,95a,c	3851	170.0
Hypertension without mention of heart	444-447	214	9.4	102	49	2.2
General arteriosclerosis	450	410	18.1	97	373	16.5
Nephritis and nephrosis	590-594	257	11.3	130-132	935	41.3

TABLE 3. (Continued)

COMPARISON OF SELECTED CAUSES OF DEATH BY THE SIXTH REVISION OF INTERNATIONAL LIST, 1948, AND FIFTH REVISION OF INTERNATIONAL LIST, 1939, STATE OF WASHINGTON, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

Cause of Death	International List Number Sixth Revision 1948	Total	Rate	International List Number Fifth Revision 1939	Total	Rate
Pneumonia and influenza	490-493,480-483	710	31.3	107-109,33	860	38.0
Pneumonia	490-493	670	29.6	107-109	826	36.5
Influenza	480-483	40	1.8	33	34	1.5
Bronchitis	500-502	32	1.4	106	50	2.2
Ulcer of stomach and duodenum	540-541	138	6.1	117	185	8.2
Appendicitis	550-553	37	1.6	121	39	1.7
Hernia and intestinal obstruction	560,561,570	171	7.6	122	151	6.7
Gastritis, duodenitis, enteritis, and colitis except diarrhea of newborn	543,571,572	71	3.1	119-120	47	2.1
Cirrhosis of liver	581	138	8.3	124	222	9.8
Hyperplasia of prostate	610	84	3.7	137	108	4.8
Complications of pregnancy, childbirth and the puerperium	640-652,670-689	36	1.6	140-150	36	1.6
Congenital malformations	750-759	300	13.2	157	297	13.1
Birth injuries, asphyxia and atelectasis	760-762	421	18.6	160,161a	303	13.4
Infections of the newborn	763-768	33	1.4	161b	0	0.0
Other diseases peculiar to early infancy, and immaturity unqualified	769-776	486	21.4	158,159,161c	608	26.8
Senility without mention of psychosis, ill-defined and unknown causes	789-795	255	11.2	162,199,200	347	15.3
All other diseases	Residual	1387	61.2	Residual	1295	57.2
Motor vehicle accidents	810-835	478	21.1	170	474	20.9
All other accidents	800-802,840-962	1190	52.5	169,171-195	1273	56.2
Suicide	963,970-979	359	15.8	163-164	359	15.8
Homicide and operations of war	964,965,980-999	75	3.3	165-168	73	3.2
Total		22420	989.9		22420	989.9

* Rate per 100,000 estimated population

TABLE 33

DEATHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY INDICATION OF AUTOPSY AND OPERATION, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Operation within 6 months of death and no autopsy	Operation within 6 months of death and autopsy	Autopsy and no operation	No autopsy and no operation	Total
Adams	2	1	5	55	63
Asotin	7	1	8	114	130
Benton	7	13	51	194	265
Rural	5	8	31	155	199
Richland	2	5	20	39	66
Chelan	21	7	30	281	339
Rural	11	7	16	172	206
Wenatchee	10		14	109	133
Clallam	12	1	24	178	215
Rural	9		10	92	111
Port Angeles	3	1	14	86	104
Clark	28	21	163	461	673
Rural	16	13	92	274	395
Vancouver	12	8	71	187	278
Columbia	2			46	48
Cowlitz	23	7	39	351	420
Rural	12	2	25	230	269
Longview	11	5	14	121	151
Douglas	4		4	62	70
Ferry	2	1	4	40	47
Franklin	12	2	14	60	88
Garfield	2		2	31	35
Grant	10	2	19	95	126
Grays Harbor	42	5	58	533	638
Rural	10	1	21	209	241
Aberdeen	20	3	22	214	259
Hoquiam	12	1	15	110	138
Island	8	2	5	81	96
Jefferson	3		12	97	112
King	298	140	1687	5175	7300
Rural	89	36	395	1391	1911
Renton	5	2	23	67	97
Seattle	204	102	1269	3717	5292
Kitsap	27	17	111	477	632
Rural	16	12	69	301	398
Bremerton	11	5	42	176	234
Kittitas	10	2	19	162	193
Klickitat	8		7	108	123
Lewis	15	4	32	436	487
Lincoln	5	1	3	88	97
Mason	5	4	15	105	129
Okanogan	10	1	14	195	220
Pacific	12	1	5	144	162
Pend Oreille	3		5	60	68
Pierce	133	54	371	1895	2453
Rural	35	18	108	594	755
Puyallup	6	3	10	113	132
Tacoma	92	33	253	1188	1566

TABLE 33 (Continued)

DEATHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY INDICATION OF AUTOPSY AND OPERATION, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Operation within 6 months of death and no autopsy	Operation within 6 months of death and autopsy	Autopsy and no operation	No autopsy and no operation	Total
San Juan	2		3	26	31
Skagit	37	6	38	364	445
Skamania	3	1	4	28	36
Snohomish	50	13	86	978	1127
Rural	32	9	57	574	672
Everett	18	4	29	404	455
Spokane	141	49	269	1923	2382
Rural	21	11	56	366	454
Spokane	120	38	213	1557	1928
Stevens	15	2	8	184	209
Thurston	11	11	56	341	419
Rural	6	5	37	203	251
Olympia	5	6	19	138	168
Wahkiakum		1	4	30	35
Walla Walla	27	10	28	327	392
Rural	6	5	5	117	133
Walla Walla	21	5	23	210	259
Whatcom	58	12	37	611	718
Rural	18	3	19	241	281
Bellingham	40	9	18	370	437
Whitman	18	2	30	183	233
Yakima	79	17	99	969	1164
Rural	45	6	54	575	680
Yakima	34	11	45	394	484
URBAN TOTAL	626	241	2114	9200	12181
RURAL TOTAL	526	170	1255	8288	10239
GRAND TOTAL	1152	411	3369	17488	22420

TABLE 34

DEATHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY DISPOSITION OF BODY, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Burial	Cremation	Removal	Other	Not Stated	Total
Adams	51		12			63
Asotin	64	2	64			130
Benton	184	13	68			265
Rural	146	10	43			199
Richland	38	3	25			66
Chelan	285	15	38		1	339
Rural	180	4	21		1	206
Wenatchee	105	11	17			133
Clallam	148	18	46		3	215
Rural	79	8	23		1	111
Port Angeles	69	10	23		2	104
Clark	475	43	155			673
Rural	292	18	85			395
Vancouver	183	25	70			278
Columbia	36	1	11			48
Cowlitz	335	20	65			420
Rural	215	8	46			269
Longview	120	12	19			151
Douglas	57	3	10			70
Ferry	30	1	16			47
Franklin	56	1	31			88
Garfield	28	1	6			35
Grant	91	6	29			126
Grays Harbor	489	51	97		1	638
Rural	189	13	38		1	241
Aberdeen	194	21	44			259
Hoquiam	106	17	15			138
Island	52	15	28		1	96
Jefferson	72	16	24			112
King	4120	2247	902	1	30	7300
Rural	1170	481	254		6	1911
Renton	73	17	7			97
Seattle	2877	1749	641	1	24	5292
Kitsap	368	148	112		4	632
Rural	234	92	70		2	398
Bremerton	134	56	42		2	234
Kittitas	140	8	45			193
Klickitat	87	3	32		1	123
Lewis	410	10	67			487
Lincoln	76	2	19			97
Mason	78	7	44			129
Okanogan	169	7	43		1	220
Pacific	119	9	34			162
Pend Oreille	45	2	21			68
Pierce	1840	369	237	1	6	2453
Rural	570	97	84	1	3	755
Puyallup	106	15	10		1	132
Tacoma	1164	257	143		2	1566

TABLE 34 (Continued)

DEATHS IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY DISPOSITION OF BODY, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Burial	Cremation	Removal	Other	Not Stated	Total
San Juan	16	7	8			31
Skagit	354	41	47			445
Skamania	24	2	10			36
Snohomish	809	207	104		7	1127
Rural	487	113	69		3	672
Everett	322	94	35		4	455
Spokane	1702	310	367		3	2382
Rural	333	46	75			454
Spokane	1369	264	292		3	1928
Stevens	157	8	44			209
Thurston	323	60	35		1	419
Rural	200	30	21			251
Olympia	123	30	14		1	168
Wahkiakum	30		5			35
Walla Walla	297	33	61	1		392
Rural	99	10	24			133
Walla Walla	198	23	37	1		259
Whatcom	525	123	69		1	718
Rural	216	34	31			281
Bellingham	309	89	38		1	437
Whitman	180	6	46		1	233
Yakima	931	55	177		1	1164
Rural	547	28	105			680
Yakima	384	27	72		1	484
URBAN TOTAL	7874	2720	1544	2	41	12181
RURAL TOTAL	7379	1153	1685	1	21	10239
GRAND TOTAL	15253	3873	3229	3	62	22420
Percent of Total	68.0	17.3	14.4	*	0.3	100.0

TABLE 35 - DEATHS FROM DISEASES OF THE HEART IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY SEX AND AGE GROUPS, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	All Ages		Under 15 years		15 to 24 years		25 to 34 years		35 to 44 years		45 to 54 years		55 to 64 years		65 to 74 years		75 and* over	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Adams	15	11							1		3	1	3	1	4	4	4	5
Asotin	29	25						1			4	2	5	3	6	9	14	10
Benton	65	32						1	1	4	16	2	20	5	11	12	17	8
Rural	50	22							1	2	8	1	16	4	11	8	14	7
Richland	15	10						1		2	8	1	4	1		4	3	1
Chelan	88	31					1		4	1	3	2	12	9	36	6	32	13
Rural	58	17					1		3		2	2	10	5	23	2	19	8
Wenatchee	30	14							1	1	1		2	4	13	4	13	5
Clallam	52	16							3		3	2	13		17	10	16	4
Rural	24	7							2			2	5		9	4	8	1
Port Angeles	28	9							1		3		8		8	6	8	3
Clark	143	86				1	1		3	2	12	6	23	9	52	28	52	40
Rural	97	36					1		1		8	4	16	4	38	10	33	18
Vancouver	46	50				1			2	2	4	2	7	5	14	18	19	22
Columbia	17	4											2		10		5	4
Cowlitz	94	45					1		4	2	9	5	24	9	35	15	21	14
Rural	65	34					1		2	2	6	4	15	5	27	10	14	13
Longview	29	11							2		3	1	9	4	8	5	7	1
Douglas	18	9								1	1		4	2	5	3	8	3
Ferry	8	4									1	1	1	1	3	1	3	1
Franklin	18	11								1		1	8	2	6	3	4	4
Garfield	6	8							1				2		1	1	2	7
Grant	37	9							5		4		9	3	6	1	13	5
Grays Harbor	139	52					1	1	2	2	13	4	39	13	17	17	37	15
Rural	50	17					1		2		5	2	11	3	15	6	16	6
Aberdeen	59	24						1		1	7	1	21	8	17	6	14	7
Hoquiam	30	11								1	1	1	7	2	15	5	7	2
Island	25	8							1		4		2	2	11	2	7	4
Jefferson	26	19									1	2	4	3	11	7	10	7
King	1736	1028	3	1	1	2	11	6	67	28	194	50	413	150	539	310	508	481
Rural	462	245	2	1		1	1	3	17	8	56	10	110	34	118	77	158	111
Renton	17	13	1						1	1	1	2	6	1	5	4	3	5
Seattle	1257	770			1	1	10	3	49	19	137	38	297	115	416	229	317	365
Kitsap	147	72		2	1		2		8	2	13	5	37	14	47	18	39	31
Rural	91	41		2	1		2		4		7	2	21	10	33	10	23	17
Bremerton	56	31							4	2	6	3	16	4	14	8	16	14

TABLE 35- DEATHS FROM DISEASES OF THE HEAR J THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY SEX AND AGE GROUPS, LOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	All Ages		Under 15 years		15 to 24 years		25 to 34 years		35 to 44 years		45 to 54 years		55 to 64 years		65 to 74 years		75 and* over	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Kittitas	44	16							2		4	2	8	4	17	3	13	7
Klickitat	22	11					1	1	1				3	4	8	3	9	3
Lewis	126	70					2	2	1	4	4	4	28	5	10	18	51	37
Lincoln	23	14									3	1	3	1	7	5	10	7
Mason	39	17					1		1		3	1	12	4	14	4	8	8
Okanogan	45*	25		1				1	1		3	2	8	2	15	6	18*	13
Pacific	50	28							3		5	1	7	9	14	7	21	11
Pend Oreille	20	7						1			1	1	3		4	2	12	3
Pierce	612	361		2		1	5	1	18	6	44	19	126	56	196	95	223	181
Rural	223	99				1	3	1	6		13	3	51	19	68	25	82	50
Puyallup	37	30									4		2	3	13	7	18	20
Tacoma	352	232		2			2		12	6	27	16	73	34	115	63	123	111
San Juan	9	3									2		3		3		1	3
Skagit	100	48		1	1	1	1		4	2	6	2	25	10	39	12	24	20
Skamania	9	4									1	2	1		3		4	2
Snohomish	237	151	1	1		1	1		6		30	15	55	28	63	41	81	65
Rural	139	96		1		1	1		4		16	8	28	19	41	25	49	42
Everett	98	55	1						2		14	7	27	9	22	16	32	23
Spokane	658	299		1	1		2	1	22	6	64	18	118	44	204	95	247	134
Rural	123	56					1		2	2	9	4	21	5	10	19	50	26
Spokane	535	243*		1	1		1	1	20	4	55	14	97	39	134	76	197	108*
Stevens	48	33							1	1	3	3	14	4	11	7	19	18
Thurston	104	58							3	2	11	4	24	13	29	16	37	23
Rural	60	36							1	2	6	2	12	6	19	11	22	15
Olympia	44	22							2		5	2	12	7	10	5	15	8
Wahkiakum	7	2									1			1	4	1	2	
Walla Walla	102	45						1	2		6	2	24	7	34	13	36	22
Rural	36	9									2	1	10	3	12		12	5
Walla Walla	66	36						1	2		4	1	14	4	22	13	24	17
Whatcom	152	88	1				1		4		16	3	23	10	19	37	58	38
Rural	62	35	1						1		12	1	9	1	15	14	24	19
Bellingham	90	53					1		3		4	2	14	9	34	23	34	19
Whitman	48	22			1				2		4	1	13	2	13	4	15	15
Yakima	298	119				1	1	1	6	4	30	9	62	19	92	22	107	63
Rural	154	61				1		1	2	4	17	6	31	14	45	12	59	23
Yakima	144	58					1		4		13	3	31	5	47	10	48	40

TABLE 35 - DEATHS FROM DISEASES OF THE HEAI N THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY SEX AND AGE GROUPS, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	All Ages		Under 15 years		15 to 24 years		25 to 34 years		35 to 44 years		45 to 54 years		55 to 64 years		65 to 74 years		75 and* over	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
URBAN TOTAL	2933	1672	2	3	2	2	15	7	105	39	297	94	647	254	937	502	928	771
RURAL TOTAL	2483	1219	3	6	3	5	17	11	72	29	225	79	534	195	769	336	860	558
GRAND TOTAL	5416	2891	5	9	5	7	32	18	177	68	522	173	1181	449	1706	838	1788	1329

* Includes 1 of unknown age

DEATHS FROM DISEASES OF THE HEART, BY TYPE, AGE GROUP, AND SEX, STATE OF WASHINGTON RESIDENTS, 1949

Cause of Death	Sex	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 and over	Unknown age	Totals
Diseases of mitral valve (410)	M			1		3	9	16	25	25	33		112
	F			3	2	4	13	12	19	23	32		108
	T			4	2	7	22	28	44	48	65		220
Diseases of aortic valve specified as rheumatic (411)	M			1	1		2	1	7	2	1		15
	F							1	2	1			4
	T			1	1		2	2	9	3	1		19
Diseases of tricuspid valve (412)	M												0
	F												0
	T												0
Diseases of pulmonary valve specified as rheumatic (413)	M												0
	F												0
	T												0
Other endocarditis specified as rheumatic (414)	M						1	2	4	7	3		17
	F							2	3	3	1		9
	T						1	4	7	10	4		26
Other myocarditis specified as rheumatic (415)	M							1	2	2	3		8
	F							2	3	1	4		10
	T							3	5	3	7		18
Other heart disease specified as rheumatic (416)	M				2	3	8	10	25	8	7		63
	F				2	6	5	10	13	8	10		54
	T				4	9	13	20	38	16	17		117
Arteriosclerotic heart disease, including coronary disease (420)	M					19	130	410	868	1204	1062	1	3694
	F			2		1	25	65	246	476	677		1492
	T			2		20	155	475	1114	1680	1739	1	5186

TABLE 36 (Continued)

DEATHS FROM DISEASES OF THE HEART, BY TYPE, AGE GROUP, AND SEX, STATE OF WASHINGTON RESIDENTS, 1948

Cause of Death	Sex	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 and over	Unknown age	Totals
Chronic endocarditis not specified as rheumatic (421)	M	1				1	8	13	39	49	56		167
	F				1	1	2	11	13	34	38		100
	T	1			1	2	10	24	52	83	94		267
Other myocardial degeneration (422)	M					1	5	16	60	151	283		516
	F					1	3	12	32	89	230		367
	T					2	8	28	92	240	513		883
Acute and subacute endocarditis (430)	M			1	1	1	1	1	3	1	2		11
	F		1					1	1	1			4
	T		1	1	1	1	1	2	4	2	2		15
Acute myocarditis not specified as rheumatic (431)	M			1			2	1	1	5	2		12
	F							1			2		3
	T			1			2	2	1	5	4		15
Acute pericarditis specified as non-rheumatic (432)	M												0
	F									1			1
	T									1			1
Functional disease of the heart (433)	M							1	3	7	16		27
	F						2	1	2	7	7		19
	T						2	2	5	14	23		46
Other and unspecified diseases of the heart (434)	M				1	3	5	16	45	65	92		227
	F	2	1			2	5	8	20	25	75	1	139
	T	2	1		1	5	10	24	65	90	167	1	366
Essential benign hypertension with heart disease (440)	M								1	1			2
	F									1	1		2
	T								1	2	1		4

TABLE 3(Continued)

DEATHS FROM DISEASES OF THE HEART, BY TYPE, AGE GROUP, AND SEX, STATE OF WASHINGTON RESIDENTS, 1949

Cause of Death	Sex	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 and over	Unknown age	Totals
Essential malignant hypertension with heart disease (441)	M						1	1					2
	F						1	1					2
	T						2	2					4
Hypertensive heart disease with arteriolar nephrosclerosis (442)	M					1	2	19	38	71	109		240
	F				2	1	8	21	34	51	99		216
	T				2	2	10	40	72	122	208		456
Other and unspecified hypertensive heart disease (443)	M						3	14	60	108	118		303
	F					2	4	25	61	117	152		361
	T					2	7	39	121	225	270		664
All heart diseases	M	1	0	4	5	32	177	522	1181	1706	1787	1	5416
	F	2	2	5	7	18	68	173	449	838	1328	1	2891
	T	3	2	9	12	50	245	695	1630	2544	3115	2	8307

BLE 37 - DEATHS FROM MALIGNANT NEOPLASMS, INCLUD NEOPLASMS OF LYMPHATIC AND HAEMATOPOIETIC TISSU
IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY SEX AND AGE GROUPS,
ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	All Ages		Under 15 years		15 to 24 years		25 to 34 years		35 to 44 years		45 to 54 years		55 to 64 years		65 to 74 years		75 and* over	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Adams	2	1														1	2	
Asotin	10	13	1						1	1	1	3	4	3	1	5	2	1
Benton	16	11	1	1			1		1	2		5	4		4	3	5	
Rural	14	7	1	1			1			1		2	4		3	3	5	
Richland	2	4							1	1		3			1			
Chelan	26	20					1		1	3	2	5	4	4	12	5	6	3
Rural	13	10					1		1	3	1	1	3	3	7	2		1
Wenatchee	13	10									1	4	1	1	5	3	6	2
Clallam	16	16			1	1	1		2	3	4	4	2	4	3	3	3	1
Rural	7	8							2	1	1	3	1	1	1	2	2	1
Port Angeles	9	8			1	1	1			2	3	1	1	3	2	1	1	
Clark	55	65	1	2	2		2	3	3	4	4	8	16	11	16	22	11	15
Rural	30	34	1	2	2		1	1	2	1	1	2	9	6	9	14	5	8
Vancouver	25	31					1	2	1	3	3	6	7	5	7	8	6	7
Columbia	5				1								1		2		1	
Cowlitz	31	25	2			1			1		3	5	9	7	12	9	4	3
Rural	17	17	2			1					1	3	1	3	8	8	2	2
Longview	11	8							1		2	2	5	4	1	1	2	1
Douglas	7	1								2			2		2	2	3	
Ferry	5	3					1					1				2	4	
Franklin	8	3								1	2		3	1	3	1		
Garfield	2	1													1		1	1
Grant	13	6							2	1	2		3	4	3	1	3	
Grays Harbor	19	40		1		1			1	2	6	8	16	10	16	11	10	7
Rural	19	16							1	1	4	4	2	4	7	4	5	3
Aberdeen	18	15		1		1					2	2	7	4	5	5	4	2
Hoquiam	12	9								1		2	7	2	4	2	1	2
Island	12	6							1			1	2	2	6	1	3	2
Jefferson	11	6						1			1	1	3	1	5	2	2	1
King	597	505	8	5	5	4	8	14	28	16	65	92	130	111	193	118	160	115
Rural	159	140	6	4	1	1	5	8	11	19	16	31	25	24	49	29	46	24
Renton	6	5								1			4		2	3		1
Seattle	432	360	2	1	4	3	3	6	17	26	49	61	101	87	142	86	114	90
Kitsap	72	40	1		2	1	2	1	3	1	8	5	15	9	23	9	15	11
Rural	49	27			1	1	2		2	1	5	2	12	7	17	6	10	10
Bremerton	23	13	1		1			1	1		3	3	3	2	6	3	5	1

BLE 37 - DEATHS FROM MALIGNANT NEOPLASMS, INCLU G NEOPLASMS OF LYMPHATIC AND HAEMATOPOIETIC TISS. IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY SEX AND AGE GROUPS, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	All Ages		Under 15 years		15 to 24 years		25 to 34 years		35 to 44 years		45 to 54 years		55 to 64 years		65 to 74 years		75 and* over	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Kittitas	12	13			1					1	1	2	3	4	3	3	4	3
Klickitat	7	8							1	1	2	1		2		4	4	
Lewis	38	27	2				1		1	3	3	6	6	5	9	6	16	7
Lincoln	10	4							1		1		2	1	3		3	3
Mason	6	5								1		1	5	2	1	1		
Okanogan	17	13	1	1			1					2	5	2	5	5	5	3
Pacific	11	8				1	1			1			3	2	6	2	1	2
Pend Oreille	9	3						1					3	1	1	1	5	
Pierce	169	174	2	4	2	1	5	2	8	18	17	19	35	35	58	57	42	38
Rural	55	42		2	1		2		6	3	4	7	14	3	21	16	7	11
Puyallup	9	8									4	1	1	3	1	2	3	2
Tacoma	105	124	2	2	1	1	3	2	2	15	9	11	20	29	36	39	32	25
San Juan	3	3								1		1	1		1	1	1	
Skagit	31	33	2		1		3		3	2	1	5	5	11	11	10	8	5
Skamania	2	4								2						1	2	1
Snohomish	77	72		1	2		1	3		4	7	14	17	18	23	18	27	14
Rural	50	42			2			2		2	6	9	13	12	15	8	14	9
Everett	27	30		1			1	1		2	1	5	4	6	8	10	13	5
Spokane	193	156	3		4	1	4	8	7	10	23	20	43	39	61	43	48	35
Rural	40	27	1		1		1	1	1	1	4	6	8	7	14	7	10	5
Spokane	153	129	2		3	1	3	7	6	9	19	14	35	32	47	36	38*	30
Stevens	21	9				1	1				2	2	2	1	9	1	7	4
Thurston	29	36						3	2	3	3	6	8	7	6	8	10	9
Rural	20	15						1	2	2	3	3	5	3	3	5	7	1
Olympia	9	21						2		1		3	3	4	3	3	3	8
Wahkiakum		2										1				1		
Walla Walla	26	23		1			2	1	1	2	3	3	5	6	7	5	8	5
Rural	8	9					1	1		1	1	2	1	1	3	1	2	3
Walla Walla	18	14		1			1		1	1	2	1	4	5	4	4	6	2
Whatcom	61	50	3				2	2	1	5	3	7	14	12	19	8	19	16
Rural	24	16	2					1	1	2		4	6	4	9	1	6	4
Bellingham	37	34	1				2	1		3	3	3	8	8	10	7	13	12
Whitman	21	18							1		3	2	4	7	7	6	6	3
Yakima	86	67	1			1	4	1	4	4	10	11	16	19	31	17	20	14
Rural	53	40	1			1	2	1	1	2	6	8	9	9	21	9	13	10
Yakima	33	27					2		3	2	4	3	7	10	10	8	7	4

BLE 37 - DEATHS FROM MALIGNANT NEOPLASMS, INCLU NEOPLASMS OF LYMPHATIC AND HAEMATOPOIETIC TISS
IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY SEX AND AGE GROUPS,
ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	All Ages		Under 15 years		15 to 24 years		25 to 34 years		35 to 44 years		45 to 54 years		55 to 64 years		65 to 74 years		75 and* over	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
URBAN TOTAL	945	850	11	6	10	7	17	22	33	67	105	125	218	205	297	221	254*	197
RURAL TOTAL	824	643	20	10	11	6	24	18	41	57	72	116	173	136	266	172	217	128
GRAND TOTAL	1769	1493	31	16	21	13	41	40	74	124	177	241	391	341	563	393	471*	325

* Includes one male of unknown age.

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DEATHS FROM MALIGNANT NEOPLASMS, INCLUDING NEOPLASMS OF LYMPHATIC AND HAEMATOPOIETIC TISSUES, BY PRIMARY SITE, AGE GROUP, AND SEX, STATE OF WASHINGTON RESIDENTS, 1949

Primary Site of Cancer	SEX	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 and over	Unknown age	All ages
Malignant neoplasm of buccal cavity and pharynx (140-148)	M				1	1	1	5	6	16	16		46
	F						2	6	5	3	2		18
	T				1	1	3	11	11	19	18		64
Malignant neoplasm of digestive organs and peritoneum (150-159)	M	1			2	6	28	65	180	273	220		775
	F				1	4	25	67	99	153	162		511
	T	1			3	10	53	132	279	426	382		1286
Malignant neoplasm of respiratory system (160-165)	M		1	1	1		9	46	79	84	32		253
	F					1	3	6	19	14	15		58
	T		1	1	1	1	12	52	98	98	47		311
Malignant neoplasm of breast (170)	M							1	1	1			3
	F					10	32	64	62	82	47		297
	T					10	32	65	63	83	47		300
Malignant neoplasm of uterus (171-174)	M												
	F					5	31	37	54	41	29		197
	T					5	31	37	54	41	29		197
Malignant neoplasm of other female genital organs (175,176)	M												
	F			1	3	5	14	15	35	24	18		115
	T			1	3	5	14	15	35	24	18		115
Malignant neoplasm of male genital organs (177-179)	M		1		1	4	3	2	24	72	109	1	217
	F												
	T		1		1	4	3	2	24	72	109	1	217
Malignant neoplasm of urinary organs (180, 181)	M		1			1	3	11	25	40	37		118
	F				1		1	8	11	12	18		51
	T		1		1	1	4	19	36	52	55		169

TABLE 3 (Continued)

DEATHS FROM MALIGNANT NEOPLASMS, INCLUDING NEOPLASMS OF LYMPHATIC AND HAEMATOPOIETIC TISSUES, BY PRIMARY SITE, AGE GROUP, AND SEX, STATE OF WASHINGTON RESIDENTS, 1949

Primary Site of Cancer	SEX	Under 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 and over	Unknown age	Total
Malignant neoplasm of skin (190, 191)	M				2	2	1	2	2	8	14		31
	F					3		2	2	5	8		20
	T				2	5	1	4	4	13	22		51
Malignant neoplasm of brain and other parts of nervous system (193)	M		3	4	1	6	8	9	13	5			49
	F		2	2	1	1	4	5	2	4			21
	T		5	6	2	7	12	14	15	9			70
Malignant neoplasm of other and unspecified organs (192, 194-199)	M		2	1	2	6	6	9	26	27	23		102
	F		2		2	3	5	16	31	30	22		111
	T		4	1	4	9	11	25	57	57	45		213
Lymphosarcoma and reticulosarcoma (200)	M			1	2	4		7	3	10	2		29
	F		1		1		2	2	5	3	2		16
	T		1	1	3	4	2	9	8	13	4		45
Hodgkin's disease (201)	M				5	5	8	4	8	3	3		36
	F				1	4	2	5	2	5	1		20
	T				6	9	10	9	10	8	4		56
Leukemia and aleukemia (204)	M		7	8	4	6	7	11	20	19	14		96
	F	1	3	3	3	4	2	5	9	12	1		43
	T	1	10	11	7	10	9	16	29	31	15		139
All other neoplasms of lymphatic and haematopoietic tissues (202, 203, 205)	M							5	4	5			14
	F		1				1	3	5	5			15
	T		1				1	8	9	10			29
All sites	M	1	15	15	21	41	74	177	391	563	470	1	1769
	F	1	9	6	13	40	124	241	341	393	325	0	1493
	T	2	24	21	34	81	198	418	732	956	795	1	3262

TABLE 39

CANCER MORTALITY RATES PER 100,000 ESTIMATED POPULATION, BY PRIMARY SITE, STATE OF WASHINGTON RESIDENTS: 1940 - 1949

Primary Site of Cancer	1949*	1948	1947	1946	1945	1944	1943	1942	1941	1940
Cancer of buccal cavity and pharynx	2.8	3.4	3.3	3.1	2.4	3.2	3.1	2.6	3.9	3.8
Cancer of digestive organs and peritoneum	56.8	62.9	61.2	59.1	61.7	62.5	60.7	62.9	63.0	70.3
Cancer of respiratory system	13.7	12.5	12.8	10.0	8.0	8.1	8.9	8.3	8.4	7.9
Cancer of uterus	8.7	9.1	11.6	10.9	12.0	10.5	9.9	10.8	11.9	13.1
Cancer of other female genital organs	5.1	4.9	4.9	4.5	4.4	4.2	3.6	3.3	4.2	3.6
Cancer of breast	13.2	13.9	15.4	13.0	13.0	12.0	11.8	12.9	11.3	14.2
Cancer of male genital organs	9.6	9.9	9.2	10.4	8.8	9.5	9.4	9.7	9.6	10.4
Cancer of urinary organs	7.5	7.8	7.0	6.6	6.6	5.6	6.5	6.4	6.1	7.5
Cancer of skin (except vulva and scrotum)	2.2	2.3	2.5	2.5	2.1	1.7	1.3	1.2	1.4	2.1
Cancer of brain and other parts of central nervous system	3.1	2.5	3.3	3.1	2.6	3.0	3.6	2.7	3.4	3.4
Cancer of other and unspecified organs	21.3	11.9	11.8	12.0	10.8	9.9	10.2	9.9	10.4	8.1
All sites	144.0	141.2	143.2	135.4	132.4	130.1	129.3	130.7	133.6	144.4

* For the year 1949 this group includes neoplasms of lymphatic and haematopoietic tissues.

TABLE 40

NUMBER OF DEATHS FROM ACCIDENTAL CAUSES IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUPS, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Under 5 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 & over	Un-known	Total
Adams	1	1	3		2	3						10
Asotin	1			3	2		1					7
Benton	3	4	9	3	1	5	3	2				30
Rural	2	4	6	2	1	4	3	2				24
Richland	1	0	3	1	0	1						6
Chelan	3	2	4	5	6	6	4	1	3			34
Rural	2	2	2	5	4	6	2	1	2			26
Wenatchee	1		2		2		2		1			8
Clallam	1	1	5	6	2	3	3	3	7			31
Rural	1	1	3	3	1	3	3	1	4			20
Port Angeles			2	3	1			2	3			11
Clark	4	4	6	6	5	5	6	2	5	4		47
Rural	3	4	5	5	5	2	3	1	5	2		35
Vancouver	1		1	1		3	3	1		2		12
Columbia						1	2	1				4
Dayton	9	2	3	4	10	4	5	5	6	4		52
Rural	4	1	3	3	7	1	4	3	4	3		33
Longview	5	1		1	3	3	1	2	2	1		19
Douglas	2			2	1				1	1		7
Ferry	2		3	1		2	1	2		1		12
Franklin	2	2		2	2	2			1	1		12
Garfield				1	3							4
Grant	2		3	1	2	6	1	2	1	1		19
Grays Harbor	5	5	3	6	5	7	9	10	13	1		64
Rural	1	3	2	4	4	5	3	3	2			27
Aberdeen	2	2	1	2			6	6	9	1		29
Hoquiam	2				1	2		1	2			8
Island	1		2		1			3				7
Jefferson		1	1	2	1		1					6
King	41	21	36	63	52	50	65	54	53	29		464
Rural	18	5	16	21	15	8	14	16	11	5		129
Renton	4		1	2	2	1	2	1				13
Seattle	19	16	19	40	35	41	49	37	42	24		322
Kitsap	6	4	8	7	3	4	5	9	4	5		55
Rural	3	2	6	3	1	2	4	8	4	3		36
Bremerton	3	2	2	4	2	2	1	1		2		19
Kittitas	3	1	2	2	2	3	1	2		1		17
Klickitat	3		1	6	2	2	1		1	2		18
Lewis	8	2	5	1	5	1		6	1	6		35
Lincoln					1	2	1			2		6
Mason	1		5	2	1	1	2	2				14
Okanogan	4	1	9	2	5	1	1		2			25
Pacific	1	1	1	2	2		2	2	3			14
Pend Oreille	1	2	1	2			2			1		9
Pierce	21	9	9	15	18	14	15	16	22	11		150
Rural	11	5	3	6	6	4	5	3	7	6		56
Puyallup	2	1		1	2	1		1	2			10
Tacoma	8	3	6	8	10	9	10	12	13	5		84

TABLE 40 (Continued)

NUMBER OF DEATHS FROM ACCIDENTAL CAUSES IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUPS, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Under 5 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 & over	Un-known	Total
San Juan		1		1					1			3
Skagit	7	3	2	5	4	6	11	2	2	3		45
Skamania	1	1		1			1	1				5
Snohomish	13	5	9	6	12	7	8	8	15	3		86
Rural	9	3	7	3	5	5	4	4	11	2		53
Everett	4	2	2	3	7	2	4	4	4	1		33
Spokane	18	6	10	13	14	11	16	21	19	11	3	142
Rural	5	1	3	2	5	1	3	3	4	2	1	30
Spokane	13	5	7	11	9	10	13	18	15	9	2	112
Stevens		3	6	3								12
Thurston	3	2	7	2	5	2	2	3	4	1		31
Rural	3	2	7	2	4	1	1	2	2	1		25
Olympia					1	1	1	1	2			6
Wahkiakum	1			3			1					5
Walla Walla	2		4	4	3	3	5	2	5	1		29
Rural	2		2	2		2	2					10
Walla Walla			2	2	3	1	3	2	5	1		19
Whatcom	3	2		4	7	1	4	5	6	6		38
Rural	1	2		4	5		1	2	1	4		20
Bellingham	2				2	1	3	3	5	2		18
Whitman	1	1	4	2	6	4	1	4	3	3		29
Yakima	10	5	14	10	14	10	7	7	9	4		90
Rural	8	4	8	7	9	7	4	5	6			58
Yakima	2	1	6	3	5	3	3	2	3	4		32
URBAN TOTAL	69	33	54	82	85	81	101	94	108	52	2	761
RURAL TOTAL	115	59	121	116	114	85	86	81	79	50	1	907
GRAND TOTAL	184	92	175	198	199	166	187	175	187	102	3	1668
Percent of Total	11.0	5.5	10.5	11.9	11.9	10.0	11.2	10.5	11.2	6.1	0.2	100.0

TABLE 41

NUMBER OF DEATHS FROM ACCIDENTAL CAUSES BY TYPE AND PLACE OF ACCIDENT, WITH PERCENTAGES OF THE TOTAL OF ACCIDENTAL DEATHS, STATE OF WASHINGTON RESIDENTS, 1949

Cause of Accidental Death	Code No.	Place of Accident					
		Occupation	Home	Public Place	Farm	Unknown and not Stated	Totals
Railway accidents	800-802	16		30			46
Motor vehicle traffic accidents	810-825	25		426			451
Collision with railway train	810	3		13			16
Accident to pedestrian	812	5		119			124
Accident to pedal cyclist	813			7			7
Rider or passenger of motorcycle in collision with non-motor vehicle or object	814			1			1
Accident to rider or passenger of motorcycle in collision with motor vehicle	815			7			7
Involving two or more motor vehicles	816	5		70			75
Collision with fixed or unspecified object	819	2		18			20
Accident to rider of motorcycle not involving collision	821			8			8
Overturning in roadway	822	1		18			19
Running off roadway	823	4		33			37
Other and unspecified traffic accidents	824-825	5		132			137
Motor vehicle non-traffic accidents	830-835	9	10	3	4	1	27
Accident to pedestrian	830	3	9		1		13
Involving two or more motor vehicles	833				1		1
Other and unspecified non-traffic accidents	835	6	1	3	2	1	13
Other road vehicle accidents	840-845			1	1		2
Water transport accidents	850-858	18		33			51
Aircraft accidents	860-866	14	5	37			56
Personnel in military aircraft	860	9					9
Injury to occupant by accident to commercial transport	861	2		10			12
Injury to occupant by accident to other aircraft	863	3		16			19
Accident elsewhere to person not in aircraft	865		5	1			6
Other and unspecified aircraft accidents	866			10			10

TABLE 41 (Continued)

NUMBER OF DEATHS FROM ACCIDENTAL CAUSES BY TYPE AND PLACE OF ACCIDENT, WITH PERCENTAGES OF THE TOTAL OF ACCIDENTAL DEATHS, STATE OF WASHINGTON RESIDENTS, 1949

Cause of Accidental Death	Code No.	Place of Accident					
		Occupation	Home	Public Place	Farm	Unknown and not Stated	Totals
Accidental poisoning by solid and liquid substances	870-888		23	1		4	28
Accidental poisoning by gases and vapours	890-895	1	40	7	1	4	53
Utility (illuminating) gas	890		32	2		1	35
Motor vehicle exhaust gas	891		2	4		2	8
Other carbon monoxide gas	892		2				2
Cyanide gas	893	1	2				3
Other and unspecified gases and vapours	894-895		2	1	1	1	5
Accidental falls	900-904	28	229	46	5	41	349
Fall on stairs	900		33	5		1	39
Fall from ladders	901	2	4		1		7
Other falls from one level to another	902	18	58	21	3	2	102
Fall on same level	903	4	75	17	1	14	111
Unspecified falls	904	4	59	3		24	90
Blow from falling object	910	46	4	4	5	1	60
Vehicles	911	5	1		1		7
Machinery	912	24	1	1	11		37
Cutting and piercing instruments	913	2	1				3
Electric current	914	13		1	3		17
Fire and explosion of combustible material	916	4	97	13	6	1	121
Hot substance, corrosive liquid and steam	917	1	11	2			14
Firearms	919	2	15	22	3	6	48
Inhalation and ingestion of food causing obstruction or suffocation	921		42			17	59
Inhalation and ingestion of other object causing obstruction or suffocation	922	1	2				3
Foreign body entering other orifice	923		1			1	2

TABLE 41 (Continued)

NUMBER OF DEATHS FROM ACCIDENTAL CAUSES BY TYPE AND PLACE OF ACCIDENT, WITH PERCENTAGES OF THE TOTAL OF ACCIDENTAL DEATHS, STATE OF WASHINGTON RESIDENTS, 1949

Cause of Accidental Death	Code No.	Place of Accident					
		Occupation	Home	Public Place	Farm	Unknown and not stated	Totals
Accidental mechanical suffocation in bed and cradle	924		23				23
Accidental mechanical suffocation in other and unspecified circumstances	925	7	7	1	1		16
Bites and stings of venomous animals and insects	927				1		1
Other accidents caused by animals	928			2	11		13
Accidental drowning and submersion	929	2	9	127	4		142
Excessive cold	932		1	5		2	8
Cataclysm	934	1		5			6
Other and unspecified accidents	936	3	3	4	1	7	18
Therapeutic misadventure and late complications of therapeutic procedures	950-959			2		4	6
Late effects of injury and poisoning	960-965					1	1
All accidental deaths		222	525	773	58	90	1668
Percent of Total		13.3	31.5	46.3	3.5	5.4	100.0

SECTION V

* * * * *

TUBERCULOSIS MORBIDITY AND MORTALITY

TABLE 2

CASES OF TUBERCULOSIS REPORTED IN THE STATE OF WASHINGTON BY AGE
RACE AND SEX, WITH MEDIAN AGE, 1949

Age Group	White		Negro		Indian		Chinese		Japanese		Other		Not Stated		Totals		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Under 1 year	2	2			2	1									4	3	7
1 - 4 years	5	4	2	1	9	4								2	16	11	27
5 - 9 years	6	4	1	1		5						1		2	7	13	20
10 - 14 years	3	8			1	2							1		5	10	15
15 - 19 years	26	43	3	1	10	11	1		1		1		1		43	55	98
20 - 24 years	75	91	1	1	14	25	1	2	3	1	1	1	2	3	97	124	221
25 - 29 years	121	85	9	7	9	15	1	1	3	2	1		3	5	147	115	262
30 - 34 years	99	95	4	3	3	9	2	1	3	3			6	4	117	115	232
35 - 39 years	115	86	3	1	5	5	2		2	1	2	1	7	4	136	98	234
40 - 44 years	109	73	6		3	5	2			1	5		6	7	131	86	217
45 - 49 years	139	57	6		3	4	2		1	2	3	1	4	5	158	69	227
50 - 54 years	163	56	5		1	2				1	2		7	8	178	67	245
55 - 59 years	142	48	2		1	1	1		3		3		5	5	157	54	211
60 - 64 years	131	57	3		3			1	4		2		4	6	147	64	211
65 - 69 years	141	40	1		1				2	1			8	6	153	47	200
70 - 74 years	70	23	1	1	1								3	1	75	25	100
75 years and over	73	29					1						3	1	77	30	107
Unknown age	24	22			1	2			1		1		15	9	42	33	75
Total by sex	1444	823	47	16	67	91	13	5	23	12	21	4	75	68	1690	1019	2709
Median age	50.7	39.6	40.7	27.9	24.1	24.5	38.8	27.5	38.8	35.0	15.8	30.0	55.5	51.3	49.5	38.2	45.5

TABLE 3

TUBERCULOSIS DEATHS IN THE STATE OF WASHINGTON, BY AGE, RACE AND SEX, WITH MEDIAN AGE, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

Age Groups	White		Negro		Indian		Chinese		Japanese		Other		Totals		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Under 1 year	1	1			2	1							3	2	5
1 - 4 years	7	3	1	1		1							8	5	13
5 - 9 years															0
10 - 14 years	1												1		1
15 - 19 years	1	2			4	5							5	7	12
20 - 24 years	2			1	1	1							3	2	5
25 - 29 years	8	6	1	2		1							9	9	18
30 - 34 years	14	11	1	1		3			1				16	18	34
35 - 39 years	18	9	1	1									19	10	29
40 - 44 years	20	8	2			1					2		24	9	33
45 - 49 years	23	7	3		2	1			1				29	8	37
50 - 54 years	28	9					2		1				31	9	40
55 - 59 years	20	5											20	5	25
60 - 64 years	42	4	1						1				44	4	48
65 - 69 years	42	9			1	1			2				45	10	55
70 - 74 years	19	9		1									19	10	29
75 years and over	36	6											36	6	42
Age unknown					1								1		1
Total by sex	282	92	10	7	11	15	2	0	6	0	2	0	313	114	427
Median age	59.5	47.1	42.5	28.8	19.4	22.5	*	0.0	57.5	0.0	*	0.0	57.1	42.2	48.3

* Median age not calculated.

TABLE 44

REPORTED CASES OF PULMONARY TUBERCULOSIS, BY STAGE, AND NON-PULMONARY TUBERCULOSIS, BY COUNTY AND CITY CHARGED, STATE OF WASHINGTON, 1949

County or City	Pulmonary						Non Pulmonary	Tuberculosis (all forms)
	Minimal	Moderately advanced	Far advanced	Stage not stated	Pleurisy with effusion	Total		
Adams		1				1		1
Asotin	1	2	1			4		4
Benton	6	2	3	6		17	2	19
Rural	6	2	3	5		16	2	18
Richland*								
Chelan	12	8	7	1		28	2	30
Rural	10	5	5	1		21	1	22
Wenatchee	2	3	2			7	1	8
Clallam	18	3	1	6	1	29	5	34
Rural	8	2		3		13	4	17
Port Angeles	10	1	1	3	1	16	1	17
Clark	53	48	11	7	1	120	2	122
Rural	23	19	6	5		53		53
Vancouver	30	29	5	2	1	67	2	69
Columbia		1				1		1
Cowlitz	45	23	6	2	4	80	6	86
Rural	26	17	6	2	1	52	2	54
Longview	19	6			3	28	4	32
Douglas	1				1	2		2
Ferry			2	3		5	1	6
Franklin	1	1	7	1	1	11		11
Garfield								0
Grant	2	3	4	2		11	1	12
Grays Harbor	8	19	10	5		42	5	47
Rural	3	3	2	1		9	3	12
Aberdeen	2	13	7	3		25	2	27
Hoquiam	3	3	1	1		8		8
Island	2		2	1		5		5
Jefferson	1	1				2	1	3
King	207	286	167	55	32	747	56	803
Rural	33	54	34	10	12	143	15	158
Renton*								
Seattle	174	232	133	45	20	604	41	645
Kitsap	14	21	3	3	2	43	2	45
Rural	9	10	2	3	1	25	1	26
Bremerton	5	11	1		1	18	1	19
Kittitas	2	1	3	1		7	1	8
Klickitat	1		1	3	1	6	1	7
Lewis	41	19	10	5	2	77	2	79
Lincoln	1	2	1	2		6		6
Mason	3	2		2		7		7
Okanogan	9	7	6		2	24	2	26
Pacific	3	3	5	3		14		14
Pend Oreille			1			1		1
Pierce	169	130	35	28	6	368	6	374
Rural	40	32	10	17	4	103	3	106
Puyallup*								
Tacoma	129	98	25	11	2	265	3	268

TABLE 44 (Continued)

REPORTED CASES OF PULMONARY TUBERCULOSIS, BY STAGE, AND NON-PULMONARY TUBERCULOSIS, BY COUNTY AND CITY CHARGED, STATE OF WASHINGTON, 1949

County or City	Pulmonary						Non Pulmonary	Tuberculosis (all forms)
	Minimal	Moderately advanced	Far advanced	Stage not stated	Pleurisy with effusion	Total		
San Juan	4	4	1			9	1	10
Skagit	63	43	7	3	1	117	10	127
Skamania				1		1		1
Snohomish	29	40	7	8	3	87	8	95
Rural	24	24	6	1	1	56	4	60
Everett	5	16	1	7	2	31	4	35
Spokane	24	46	53	19		142	8	150
Rural	5	2	6	5		18		18
Spokane	19	44	47	14		124	8	132
Stevens		1		1		2		2
Thurston	8	14	2	2		26	2	28
Rural	7	10	1			18	1	19
Olympia	1	4	1	2		8	1	9
Wahkiakum	2	2	2			6		6
Walla Walla	3	10	3	2	2	20	1	21
Rural	1	3			1	5	1	6
Walla Walla	2	7	3	2	1	15		15
Whatcom	18	24	4	4	3	53	10	63
Rural	7	8	2	2		19	5	24
Bellingham	11	16	2	2	3	34	5	39
Whitman	13	19		3		35		35
Yakima	14	3	18	32		67	9	76
Rural	9	1	7	19		36	4	40
Yakima	5	2	11	13		31	5	36
Out of State	48	138	92	43	2	323	19	342
URBAN TOTAL	417	485	240	105	34	1281	78	1359
RURAL TOTAL	361	304	143	106	28	942	66	1008
GRAND TOTAL	826	927	475	254	64	2546	163	2709

* No separate tabulation made on these cities, cases included in rural part of county.

TABLE 45 - REPORTED CASES OF TUBERCULOSIS (ALL FORMS) IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUPS, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 and over	Unknown	Total
Adams															1				1
Asotin						1		2							1				4
Benton	1					1	1	5	1	1	4	2	1	1	1				19
Rural	1					1	1	5	1	1	4	2	1	1	1				19
Richland*																			
Chelan			1		2	1	2	5	2	5	3	3		2	3			1	30
Rural			1		1	1	2	2	1	3	3	3		1	3			1	22
Wenatchee					1			3	1	2				1					8
Clallam		1	2	1	3	3	1	4	4	4	1	3	2	1		2		2	34
Rural		1	1	1	3	1	1	2	2	1	1		1	1				1	17
Port Angeles			1			2		2	2	3		3	1			2		1	17
Clark				1	1	12	17	14	17	8	7	9	9	7	7	6	3	4	122
Rural						3	3	4	8	6	3	7	4	2	4	4	1	4	53
Vancouver				1	1	9	14	10	9	2	4	2	5	5	3	2	2		69
Columbia								1											1
Cowlitz		1	1	1	2	3	5	4	7	8	5	9	6	8	11	6	3	6	86
Rural		1	1			2	4	1	4	5	1	6	4	6	8	5	3	3	54
Longview				1	2	1	1	3	3	3	4	3	2	2	3	1		3	32
Douglas										1					1				2
Ferry					1	1		1			1					1		1	6
Franklin	1				1	3	2	2		1		1							11
Garfield																			0
Grant		1		1		2	1	1	1	1	1			1	2				12
Grays Harbor	2	1				4	2	6	2		3	7	8	4	3	1	4		47
Rural	2	1				2		2	1			1		1		1	1		12
Aberdeen						2		3	1		2	6	6	3	3		1		27
Hoquiam							2	1			1		2				2		8
Island										1			2		1			1	5
Jefferson		1					1	1											3
King	1	5	6	3	30	76	85	64	66	71	78	65	58	74	59	25	29	8	803
Rural	1	1	3	3	7	15	16	15	15	10	17	13	11	11	7	5	6	2	158
Renton*																			
Seattle		4	3		23	61	69	49	51	61	61	52	47	63	52	20	23	6	545
Kitsap			1	1		6	5	6	4	2	2	5	3	4	2	2	1	1	45
Rural			1			4	2	3	2	2	1	2	3	3		2	1		26
Bremerton				1		2	3	3	2		1	3		1	2			1	18

TABLE 45 - REPORTED CASES OF TUBERCULOSIS (ALL FORMS) IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUPS, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 and over	Unknown	Total
Kittitas								1	2	1		1	1		2				8
Klickitat		1			1							1			1	1	1	1	7
Lewis			1		4	8	3	6	5	3	5	6	6	5	11	5	4	7	79
Lincoln				1				2	1		1				1				6
Mason						2	2	1						2					7
Okanogan		1			3			3	1	3	3	1	3	2	2	2	1	1	26
Pacific						2	1	1		1	3			3	2		1		14
Pend Oreille														1					1
Pierce		2		1	6	15	32	22	30	30	34	40	26	37	37	23	25	14	374
Rural				1		6	11	5	9	8	11	14	9	8	8	5	6	5	106
Puyallup*																			
Tacoma		2			6	9	21	17	21	22	23	26	17	29	29	18	19	9	268
San Juan		1					1	1	1	2	2		2						10
Skagit		2		1	6	7	6	9	11	11	11	7	11	14	10	7	8	6	127
Skamania							1												1
Snohomish		1	2		6	3	6	3	15	11	3	7	8	8	6	5	7	4	95
Rural					3	1	3	2	10	8	2	7	6	4	4	3	3	4	60
Everett		1	2		3	2	3	1	5	3	1		2	4	2	2	4		35
Spokane		1	1	1	6	5	11	7	12	16	16	13	13	17	17	6	6	2	150
Rural							1	3	3	4			2	2	1	1	1		18
Spokane		1	1	1	6	5	10	4	9	12	16	13	11	15	16	5	5	2	132
Stevens													1				1		2
Thurston					1	1	3	1	2	2	2	5	3	2	2		3	1	28
Rural					1		1	1	2	2	2	4	2	1	1		1	1	19
Olympia						1	2					1	1	1	1		2		9
Wahkiakum												1			2	1		2	6
Walla Walla					1	2	2	1	1	1	3	2	3	4			1		21
Rural						2	1				1	2							6
Walla Walla					1		1	1	1	1	2		3	4			1		15
Whatcom		2	2		5	12	5	7	4	4	5	4	4	1	1		3	4	63
Rural		2	2			4	2	1		2	5	2		1			2	1	24
Bellingham					5	8	3	6	4	2		2	4		1		1	3	39
Whitman						3	1	3	3	3	3	3	3	1	3	3	3	3	35
Yakima	2	1	1	2	8	5	5	6	4	7	11	7	4	4	3	2	3	1	76
Rural	2			2	6	4	2	4	2	2	4	3	2	3	2		2		40
Yakima		1	1		2	1	3	2	2	5	7	4	2	1	1	2	1	1	36

TAL. . 45 - REPORTED CASES OF TUBERCULOSIS (ALL FORMS) THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUPS, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 and over	Unknown	Total
Out of State		5	2	1	11	43	61	42	38	19	20	43	34	8	8	2		5	342
URBAN TOTAL	0	9	8	4	50	103	132	105	111	116	122	115	103	129	113	52	61	26	1359
RURAL TOTAL	7	13	10	10	37	75	69	85	85	82	85	87	74	74	79	46	46	44	1008
GRAND TOTAL	7	27	20	15	98	221	262	232	234	217	227	245	211	211	200	100	107	75	2709
Percent of Total	0.2	1.0	0.7	0.6	3.6	8.2	9.7	8.6	8.6	8.0	8.4	9.0	7.8	7.8	7.4	3.7	3.9	2.8	100.0

* No separate tabulation made on these cities, cases included in rural part of county.

TABLE 46- DEATHS FROM TUBERCULOSIS (ALL FORMS) IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUPS, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Under 1 yr.	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 and over	Total
Adams															1			1
Asotin							1											1
Benton		1					1									1		3
Rural							1									1		2
Richland		1																1
Chelan									1	1	1							3
Rural										1	1							2
Wenatchee									1									1
Clallam								1	1		1	1		1				5
Rural								1	1		1							3
Port Angeles												1		1				2
Clark						1	2	3		1		1	1	1			1	11
Rural						1	1	1		1		1	1	1				7
Vancouver							1	2									1	4
Columbia																		0
Cowlitz							1	2			1	1	1	1				7
Rural							1	1				1	1	1				5
Longview								1			1							2
Douglas															1			1
Ferry											1					1		2
Franklin																		0
Garfield																		0
Grant									1		1			1				3
Grays Harbor	2				1			2	1		3	3	3	2	1		3	21
Rural	2				1			1				1			1			6
Aberdeen									1		1	2	3	2			2	11
Hoquiam								1			2						1	4
Island								1						1	1			3
Jefferson		1															1	2
King	1	5		1	2	1	8	11	13	14	13	13	11	25	19	12	10	159
Rural	1	2			1			3	4		3	2	1	2	3	2		24
Renton		1																1
Seattle		2		1	1	1	8	8	9	14	10	11	10	23	16	10	10	134
Kitsap										1		1		2		1	1	6
Rural										1		1		2		1	1	6
Bremerton																		0

TABLE 46 - DEATHS FROM TUBERCULOSIS (ALL FORMS) IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUPS, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 and over	Total
Kittitas									1			1	1		1			4
Klickitat		1			1										1		1	4
Lewis						1	1					1			2		2	7
Lincoln															1		1	2
Mason					1	1												2
Okanogan					2											1		3
Pacific											1							1
Pend Oreille																		0
Pierce		1					1	5	2	3	4	4	1	3	10	3	9	46
Rural								2			1	3		1	4	1	2	14
Puyallup																		0
Tacoma		1					1	3	2	3	3	1	1	2	6	2	7	32
San Juan																		0
Skagit								1	1		1	1		2				6
Skamania								1										1
Snohomish		1			1			1	4	5	1			2	3	1	4	23
Rural									3	4				1	2	1	2	13
Everett		1			1			1	1	1	1			1	1		2	10
Spokane		1			1		1	1	3	3	6	4	2	6	5	3	1	37
Rural					1		1		1		1			3				7
Spokane		1						1	2	3	5	4	2	3	5	3	1	30
Stevens											1					1	2*	4
Thurston												1					2	3
Rural												1					1	2
Olympia																	1	1
Wahkiakum															1			1
Walla Walla						1					1	3	1	1	3	1	1	12
Rural						1								1	2			4
Walla Walla											1	3	1		1	1	1	8
Whatcom		1			2		1	3	1	2		2	1		1			14
Rural		1			2				1									4
Bellingham							1	3		2		2	1		1			10
Whitman																1		1
Yakima	2	1			1		1	2		3	1	3	3		4	3	4	28
Rural	2	1			1					2	1	2	2		2	2	2	17
Yakima							1	2		1		1	1		2	1	2	11

TABLE 46 - DEATHS FROM TUBERCULOSIS (ALL FORMS) IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUPS, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Under 1 yr.	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 and over	Total
URBAN TOTAL	0	7	0	1	2	1	12	22	16	24	24	25	19	32	32	17	28	262
RURAL TOTAL	5	6	0	0	10	4	6	12	13	9	13	15	6	16	23	12	15*	165
GRAND TOTAL	5	13	0	1	12	5	18	34	29	33	37	40	25	48	55	29	43*	427
Percent of Total	1.2	3.0	0.0	0.2	2.8	1.2	4.2	8.0	6.8	7.7	8.7	9.4	5.8	11.2	12.9	6.8	10.1	100.0

*Includes one death with age not stated.

SECTION VI

* * * * *

COMMUNICABLE DISEASE

MORBIDITY AND MORTALITY

TABLE 47
NUMBER OF REPORTED CASES OF SELECTED COMMUNICABLE DISEASES IN THE STATE OF WASHINGTON, WITH ANNUAL AND FIVE-YEAR AVERAGE INCIDENCE RATES PER 100,000 ESTIMATED POPULATION, 1915 - 1949

Year	Number of Reported Cases						Incidence Rate Per 100,000 Estimated Population					
	Typhoid and Paratyphoid fever	Smallpox	Diphtheria	Poliomyelitis	Scarlet fever	Whooping cough	Typhoid and Paratyphoid fever	Smallpox	Diphtheria	Poliomyelitis	Scarlet fever	Whooping cough
1915	830	254	406	10	688	1886	66.1	20.2	32.3	0.8	54.8	150.2
1916	586	655	382	33	649	3417	45.9	51.3	29.9	2.6	50.8	267.4
1917	1008	408	426	No Record	1019	3858	77.6	31.4	32.8	No Record	78.4	296.9
1918	680	1675	856	23	2871	1766	51.5	126.8	64.8	1.7	217.3	133.6
1919	379	4390	1003	15	2483	1260	28.2	326.8	74.7	1.1	184.8	93.8
1915--1919	697	1476	615	16	154	2437	53.6	113.6	47.3	1.2	118.5	187.5
1920	469	6146	1341	10	2228	2062	34.4	450.3	98.5	0.7	163.2	151.1
1921	531	4443	1355	337	1787	1515	38.3	320.7	97.8	24.3	129.0	109.4
1922	578	1595	1169	19	1242	1461	41.1	113.5	83.2	1.4	88.3	103.9
1923	547	1623	1179	22	2095	2806	38.4	113.8	82.7	1.5	146.9	196.7
1924	435	1973	1623	592	2155	733	30.1	136.4	112.2	40.9	149.0	50.7
1920--1924	512	3156	1334	196	1901	1715	36.4	224.5	94.9	139.4	135.2	122.0
1925	391	2001	1425	115	2104	3273	26.7	136.4	97.1	7.8	143.4	223.1
1926	433	2413	1343	14	3535	2175	29.1	162.2	90.3	0.9	237.7	146.2
1927	288	1806	1006	292	2981	1263	19.1	119.8	66.7	19.4	197.7	83.8
1928	282	1772	626	343	1864	773	18.5	116.0	41.0	22.4	122.0	50.6
1929	294	2212	594	31	1592	2816	19.0	142.8	38.4	2.0	102.8	181.8
1925--1929	338	2041	999	159	2415	2060	22.4	135.4	66.2	10.5	160.2	136.6
1930	253	2378	599	51	2045	2825	16.1	151.6	38.2	3.3	130.3	180.1
1931	234	1112	466	86	1912	3111	14.8	70.2	29.4	5.4	120.6	196.3
1932	202	635	272	84	1405	975	12.6	39.7	17.0	5.2	87.8	60.9
1933	181	288	271	90	1689	1134	11.2	17.8	16.7	5.6	104.3	70.0
1934	179	580	137	743	2110	4955	10.9	35.3	8.3	45.2	128.5	301.7
1930--1934	210	999	349	211	1832	2600	13.1	62.3	21.8	13.2	114.3	162.2
1935	154	1347	129	46	2469	940	9.3	81.1	7.8	2.8	148.7	56.6
1936	150	331	78	77	2900	1143	8.9	19.7	4.7	4.6	173.0	68.2
1937	120	479	145	87	1565	3069	7.1	28.3	8.6	5.1	92.4	181.2
1938	167	966	106	18	1803	4507	9.8	56.5	6.2	1.0	105.5	263.6
1939	263	89	84	27	1818	991	15.2	5.2	4.9	1.6	105.4	57.4
1935--1939	171	642	108	51	2111	2130	10.1	37.9	6.4	3.0	124.7	125.8
1940	93	14	103	449	1696	2576	5.3	0.8	5.9	25.8	97.4	147.9
1941	84	31	71	74	1147	4960	4.6	1.7	3.9	4.1	63.1	272.9
1942	65	10	133	33	1260	2860	3.4	0.5	7.0	1.7	66.5	151.0
1943	41	6	357	359	2031	2406	2.1	0.3	18.0	18.1	102.4	121.4
1944	46	11	313	203	7324	1401	2.3	0.6	15.8	10.2	368.7	70.5
1940--1944	66	14	195	224	2692	2841	3.5	0.7	10.3	11.9	142.8	150.8
1945	59	10	278	328	2809	1352	3.1	0.5	13.7	16.1	138.2	66.5
1946	50	68	326	519	1378	1559	2.4	3.3	15.9	25.3	67.2	76.0
1947	33	0	187	168	1502	1501	1.6	0.0	9.0	8.1	72.0	72.0
1948	23	0	90	385	1827	938	1.1	0.0	4.2	17.9	85.1	43.7
1949	12	0	46	590	1654	779	0.5	0.0	2.0	26.0	73.0	34.4
1945--1949	35	15	185	398	1834	1226	1.7	0.7	8.7	18.8	86.7	57.9

TABLE

NUMBER OF CASES OF REPORTABLE DISEASES IN THE STATE OF WASHINGTON, WITH RATES PER 100,000 ESTIMATED POPULATION, TEN-YEAR AVERAGES, AVERAGE RATES AND TEN-YEAR MEDIANS, 1940 - 1949

Disease		Ten year average	Ten year median	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940
Botulism	No.	2.5	1	0	0	10	1	0	6	2	1	1	4
	Rate	0.1		0.0	0.0	0.5	#	0.0	0.3	0.1	#	#	0.2
Chicken Pox	No.	7611.6	7978	9304	8620	8776	4647	8357	8112	7759	7843	7158	5540
	Rate	380.5		410.8	401.3	420.8	226.7	411.1	408.1	391.4	414.0	393.8	318.0
Diphtheria	No.	190.4	160	46	90	187	326	278	313	357	133	71	103
	Rate	9.5		2.0	4.2	9.0	15.9	13.7	15.8	18.0	7.0	3.9	5.9
Dysentery, amebic	No.	22.3	8	50	23	101	13	7	4	8	2	7	8
	Rate	1.1		2.2	1.1	4.8	0.6	0.3	0.2	0.4	0.1	0.4	0.4
Bacillary	No.	42.9	21	19	21	23	54	237	7	7	5	21	35
	Rate	2.1		0.8	1.0	1.1	2.6	11.6	0.4	0.4	0.3	1.2	2.0
Unspecified*	No.	421.6	417	727	417	240	175	549	-	-	-	-	-
	Rate	19.9		32.1	19.4	11.5	8.5	27.0	-	-	-	-	-
Epidemic diarrhea of* newborn	No.	34.6	19	5	13	31	19	105	-	-	-	-	-
	Rate	1.6		0.2	0.6	1.5	0.9	5.2	-	-	-	-	-
Encephalitis	No.	36.2	29	16	19	21	33	39	11	25	43	43	112
	Rate	1.8		0.7	0.9	1.0	1.6	1.9	0.6	1.3	2.3	2.4	6.4
Erysipelas	No.	45.2	38	22	17	33	41	65	100	74	35	21	44
	Rate	2.3		1.0	0.8	1.6	2.0	3.2	5.0	3.7	1.8	1.2	2.5
Food poisoning	No.	344.1	116	150	75	481	82	187	9	2278	8	2	169
	Rate	17.2		6.6	3.5	23.1	4.0	9.2	0.4	114.9	0.4	0.1	9.7
German Measles	No.	2651.2	1096	2747	707	860	911	1134	2000	5257	1057	11269	570
	Rate	132.5		121.3	32.9	41.2	44.4	55.8	100.7	265.2	55.8	620.0	32.7
Influenza	No.	3272.5	1569	1264	3269	1808	278	10251	600	4036	351	1329	9539
	Rate	163.6		55.8	152.2	86.7	13.6	504.2	30.2	203.6	18.5	73.1	547.6
Leprosy	No.	0.3	0	0	0	0	1	1	0	0	0	1	0
	Rate	#		0.0	0.0	0.0	#	#	0.0	0.0	0.0	#	0.0
Malaria	No.	7.3	4	2	4	13	29	10	1	1	3	8	2
	Rate	0.4		0.1	0.2	0.6	1.4	0.5	#	#	0.2	0.4	0.1
Measles	No.	9983.7	12533	12661	12915	1307	12405	7161	5893	15458	12926	1857	17254
	Rate	499.1		559.0	601.5	62.7	605.1	352.2	296.7	779.8	682.3	102.2	990.4
Meningococcic meningitis	No.	86.3	55	60	46	47	60	71	240	242	49	25	23
	Rate	4.3		2.6	2.1	2.3	2.9	3.5	12.1	12.2	2.6	1.4	1.3
Mumps	No.	6733.9	5764	4488	12247	3726	4409	7327	5081	6447	12367	8336	2911
	Rate	336.6		198.2	570.1	178.7	215.1	360.4	255.8	325.2	652.8	458.6	167.1

TABLE 48 (Continued)

NUMBER OF CASES OF REPORTABLE DISEASES IN THE STATE OF WASHINGTON, WITH RATES PER 100,000 ESTIMATED POPULATION, TEN-YEAR AVERAGES, AVERAGE RATES AND TEN-YEAR MEDIANS, 1940 - 1949

Disease		Ten year average	Ten year median	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940
Paratyphoid fever *	No.	10.1	10	7	11	11	10	17	9	6	10	**	**
	Rate	0.5		0.3	0.5	0.5	0.5	0.8	0.4	0.3	0.5		
Pneumonia, bacterial	No.	896.7	814	807	877	644	821	1315	2014	1221	529	361	348
	Rate	44.8		35.6	40.8	30.9	40.0	66.2	101.4	61.6	27.9	19.9	20.0
Virus *	No.	48.6	44	90	44	61	15	33	-	-	-	-	-
	Rate	2.3		4.0	2.0	2.9	0.7	1.6	-	-	-	-	-
Poliomyelitis	No.	310.8	344	590	385	168	519	328	203	359	33	74	449
	Rate	15.5		26.1	17.9	8.1	25.3	16.1	10.2	18.1	1.7	4.1	25.8
Rheumatic Fever and * Rheumatic Heart Disease	No.	301.4	308	312	334	308	294	259	-	-	-	-	-
	Rate	14.2		13.8	15.5	14.8	14.3	12.7	-	-	-	-	-
Rocky Mountain Spotted Fever	No.	2.6	2	1	0	0	5	0	1	3	5	6	5
	Rate	0.1		#	0.0	0.0	0.2	0.0	#	0.2	0.3	0.3	0.3
Scarlet Fever	No.	2265.6	1675	1654	1855	1502	1378	2809	7324	2031	1260	1147	1696
	Rate	113.3		73.0	86.4	72.0	67.2	138.2	3867	102.4	66.5	63.1	97.4
Septic Sore Throat	No.	113.7	109	152	104	170	107	183	110	119	108	45	39
	Rate	5.7		6.7	4.8	8.2	5.2	9.0	5.5	6.0	5.7	2.5	2.2
Smallpox	No.	15.0	10	0	0	0	68	10	11	6	10	31	14
	Rate	0.7		0.0	0.0	0.0	3.3	0.5	0.6	0.3	0.5	1.7	0.8
Trachoma	No.	10.8	3	2	18	0	1	0	3	32	0	28	21
	Rate	0.5		0.1	0.8	0.0	#	0.0	0.2	1.6	0.0	1.5	1.4
Tularemia	No.	2.2	3	3	4	3	0	2	0	3	2	4	1
	Rate	0.1		0.1	0.2	0.1	0.0	0.1	0.0	0.2	0.1	0.2	#
Typhoid Fever	No.	42.5	39	5	12	22	40	42	37	35	55	84	93
	Rate	2.1		0.2	0.6	1.1	2.0	2.1	1.9	1.8	2.9	4.6	5.3
Undulant Fever	No.	48.2	49	26	43	66	54	54	54	43	72	42	28
	Rate	2.4		1.1	2.0	3.2	2.6	2.6	2.7	2.2	3.8	2.3	1.6
Whooping Cough	No.	2038.8	1530	779	994	1501	1559	1352	1401	2406	2860	4960	2576
	Rate	101.9		34.4	46.3	72.0	76.0	66.5	70.5	121.4	151.0	272.9	147.9

* Average, rate, and median for number of years shown.
** Paratyphoid cases included in typhoid total for these years.
\# Less than 0.05 per 100,000 estimated population.

TABLE 49

CASES OF DIPHTHERIA REPORTED IN THE COUNTIES** AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, WITH PERCENTAGES, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 & over	Unknown age	All ages
Chelan		1			1								2
Rural		1			1								2*
Wenatchee													0
Clallam		1											1
Rural													0
Port Angeles		1											1
Cowlitz		1			1								2
Rural		1			1								2
Longview													0
Franklin										1			1
Grays Harbor			1	1		1						1	4
Rural												1	1
Aberdeen			1	1		1							3
Hoquiam													0
Jefferson		1					1						2
King				1		1	1		4		1		8
Rural				1									1
Renton#													
Seattle						1	1		4		1		7*
Kitsap					1								1
Rural					1								1
Bremerton													0
Kittitas			1										1
Okanogan												3	3
Pierce			1										1
Rural													0
Puyallup#													
Tacoma			1										1
Snohomish			1		1	1						1	1
Rural												1	1
Everett			1		1	1							3
Stevens												3	3
Whatcom			1			2							3
Rural			1										1
Bellingham						2							2
Yakima		2	5				1	1				1	10
Rural		1	2				1					1	5
Yakima		1	3					1					5
URBAN TOTAL	0	2	6	1	1	5	1	1	1	0	1	0	22
RURAL TOTAL	0	4	4	1	3	0	2	0	0	1	0	9	24
GRAND TOTAL	0	6	10	2	4	5	3	1	1	1	1	9	46
Percent of Total	0.0	13.0	21.7	4.3	8.7	10.9	6.5	2.2	8.7	2.2	2.2	19.6	100.0

	No.	Rate per 100,000 estimated population
Urban Total	22	1.9
Rural Total	24	2.2
Grand Total	46	2.0

* One death to Chelan county rural resident in age group 1-4 years; one death to Seattle resident in age group 45-49 years, a total of 2 diphtheria deaths in the State.

**In this table when no cases occurred in a county, that county is not listed.

\# No separate breakdown for these cities; cases included in rural part of county.

TABLE 50

CASES OF POLIOMYELITIS REPORTED IN THE COUNTIES* AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, WITH PERCENTAGES, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 and over	Unknown age	All ages
Asotin		1	2		1								4
Benton	1	6	8	3	2	1						1	22
Rural	1	6	8	3	2	1						1	22
Richland#													
Chelan	1	5	3	2	1			1					13
Rural		5	1	2	1								9
Wenatchee	1		2					1					4
Clallam		1	2	1	1		1	1	2			1	10
Rural				1	1				1				3
Port Angeles		1	2				1	1	1			1	7
Clark		5	3	1	1			1					11
Rural		2	2		1								5
Vancouver		3	1	1				1					6
Cowlitz		2	3	1									6
Rural		2	2	1									5
Longview			1										1
Douglas						1							1
Ferry				1									1
Franklin		1	1	1			2		1				6
Garfield					1	2	1						4
Grant		2	1				1						4
Grays Harbor		6	3	3		1	1	1				1	16
Rural		5	2	3		1	1					1	13
Aberdeen		1						1					2
Hoquiam			1										1
Jefferson			2		1								3
King	4	23	52	19	5	9	12	10	5		2	2	143
Rural	1	6	18	7		6	2	6	4			2	52
Renton#													
Seattle	3	17	34	12	5	3	10	4	1		2		91
Kitsap		5	9	3	1	1	2	2			1		24
Rural		4	7	3		1	2						17
Bremerton		1	2		1			2			1		7
Kittitas			1		1								2
Klickitat		1	1										2
Lewis		2	1	1	2				1				7
Lincoln		1	2	2									5
Mason	1			1		1							3
Okanogan								1					1
Pend Oreille						1							1
Pierce	2	9	8	3	2	3	3	3					33
Rural		4	6	2									12
Puyallup#													
Tacoma	2	5	2	1	2	3	3	3					21
Skagit		1		1	2	1							5
Snohomish	4	32	31	21	10	7	5	4	3	2		2	121
Rural	3	10	14	12	5	3	2	4	2	1		2	58
Everett	1	22	17	9	5	4	3		1	1			63

TABLE 50 (Continued)

CASES OF POLIOMYELITIS REPORTED IN THE COUNTIES* AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, WITH PERCENTAGE , 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 and over	Unknown age	All ages
Spokane		8	13	14	7	6	8	4	2	1			63
Rural		3	5	3	5	2		1					19
Spokane		5	8	11	2	4	8	3	2	1			44
Stevens		1	2	1									4
Thurston		1	3	1			1						6
Rural		1	3				1						5
Olympia				1									1
Wahkiakum		1											1
Walla Walla			2	1									3
Rural				1									1
Walla Walla			2										2
Whatcom		2	5	1	1	4						1	14
Rural		1	5			3							9
Bellingham		1		1	1	1						1	5
Whitman		4	1	3	1	4		1	1				15
Yakima		2	9	11	5	1	5	2				1	36
Rural		1	4	4	1		2	1					13
Yakima		1	5	7	4	1	3	1				1	23
URBAN TOTAL	7	57	77	43	20	16	28	17	5	2	3	3	278
RURAL TOTAL	6	65	91	53	25	27	14	14	10	1	0	6	312
GRAND TOTAL	13	127	168	96	45	43	42	31	15	3	3	9	590
Percent of Total	2.2	20.7	28.5	16.3	7.6	7.3	7.1	5.3	2.5	0.5	0.5	1.5	100.0

	No.	Rate per 100,000 estimated population
Urban Total	278	23.9
Rural Total	312	28.3
Grand Total	590	26.0

* In this table when no cases occurred in a county, that county is not listed.
\# No separate breakdown for these cities; cases included in rural part of county.

TABLE 51

DEATHS FROM POLIOMYELITIS IN THE COUNTIES* AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, WITH PERCENTAGES, ALLOCATED TO RESIDENCE, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 and over	All ages
Benton				2								2
Rural				1								1
Richland				1								1
Clallam			1									1
Rural												0
Port Angeles			1									1
Grant		1										1
Grays Harbor			2									2
Rural			2									2
Aberdeen												0
Hoquiam												0
King		2	2	1			2	2			1	10
Rural		1	1	1				1			1	5
Renton												0
Seattle		1	1				2	1				5
Kitsap				1			1					2
Rural				1			1					2
Bremerton												0
Snohomish			4	1	2	1			1			9
Rural			3	1	1				1			6
Everett			1		1	1						3
Spokane			1		2	1		1				5
Rural					1							1
Spokane			1		1	1		1				4
Stevens				1								1
Whatcom			1			1						2
Rural			1									1
Bellingham						1						1
URBAN TOTAL	0	1	4	1	2	3	2	2	0	0	0	15
RURAL TOTAL	0	2	7	5	2	0	1	1	1	0	1	20
GRAND TOTAL	0	3	11	6	4	3	3	3	1	0	1	35
Percent of Total	0.0	8.6	31.4	17.1	11.4	8.6	8.6	8.6	2.8	0.0	2.8	100.0

	No.	Rate per 100,000 estimated population
Urban Total	15	1.3
Rural Total	20	1.8
Grand Total	35	1.5

* In this table when no deaths occurred in a county, that county is not listed.

TABLE 52

CASES OF RHEUMATIC FEVER AND RHEUMATIC HEART DISEASE REPORTED IN THE COUNTIES* AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, WITH PERCENTAGES, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 and over	Unknown age	All ages
Adams									1		1		2
Asotin								1			3		4
Benton													
Rural		3	4	5			1		1	3	6		23
Richland#													
Chelan							1			1	6		8
Rural							1				4		5
Wenatchee										1	2		3
Clallam									2				2
Rural									1				1
Port Angeles									1				1
Clark		2	3	3	1					1	9		19
Rural		1	1	1							2		5
Vancouver		1	2	2	1					1	7		14
Cowlitz			3	1			1				5		10
Rural			3	1							2		6
Longview							1				3		4
Perry				1									1
Grant			3	3						1	2		9
Grays Harbor						1			1		1		3
Rural									1				1
Aberdeen						1					1		2
Hoquiam													0
Island											1		1
King			6	1	1		1	1	2	2	48		62
Rural			4	1					1	1	13		20
Renton#													
Seattle			2		1		1	1	1	1	35		42
Kitsap		1	2	1		1			1		5		11
Rural			1	1		1					4		7
Bremerton		1	1						1		1		4
Kittitas				2					1		3		6
Lewis			1				1		1	1	2		6
Mason								1			1		2
Okanogan											2		2
Pacific											1		1
Pierce			3	1		1	1		4	4	28		42
Rural			3	1		1				3	10		18
Puyallup#													
Tacoma							1		4	1	18		24
Skagit								1			5		6
Snohomish			1								12		13
Rural			1								5		6
Everett											7		7
Spokane				2	1	1	2	2	2	4	28		42
Rural					1		1				3		5
Spokane				2		1	1	2	2	4	25		37
Stevens											1		1

TABLE 52 (Continued)

CASES OF RHEUMATIC FEVER AND RHEUMATIC HEART DISEASE REPORTED IN THE COUNTIES* AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, WITH PERCENTAGES, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 and over	Unknown age	All ages
Thurston						1	1		1		4		7
Rural						1			1		1		3
Olympia							1				3		4
Walla Walla											2		2
Rural													
Walla Walla											2		2
Whatcom			1							1	6		8
Rural			1								2		3
Bellingham										1	4		5
Whitman					3						3	1	7
Yakima							1		1		10		12
Rural							1		1		6		8
Yakima											4		4
URBAN TOTAL	0	2	5	4	2	2	5	3	9	9	112	0	153
RURAL TOTAL	0	4	22	16	4	3	5	3	9	9	83	1	159
GRAND TOTAL	0	6	27	20	6	5	10	6	18	18	195	1	312
Percent of Total	0.0	1.9	8.7	6.4	1.9	1.6	3.2	1.9	5.8	5.8	62.5	0.3	100.0

	No.	Rate per 100,000 estimated population
Urban Total	153	13.2
Rural Total	159	14.4
Grand Total	312	13.8

* In this table when no cases occurred in a county, that county is not listed.
\# No separate breakdown for these cities; cases included in rural part of county

TABLE 53

DEATHS FROM RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE* IN THE COUNTIES** AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, WITH PERCENTAGES, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 and over	Unknown age
Adams									1		1	2
Asotin								1			5	6
Benton			1				1		1	3	5	11
Rural										2	4	6
Richland			1				1		1	1	1	5
Chelan							1			1	6	8
Rural							1				4	5
Wenatchee										1	2	3
Clallam									2			2
Rural									1			1
Port Angeles									1			1
Clark				2	1					1	11	15
Rural				1							4	5
Vancouver				1	1					1	7	10
Cowlitz							1				11	12
Rural											7	7
Longview							1				4	5
Douglas											1	1
Ferry											1	1
Franklin											1	1
Garfield											1	1
Grant										1	2	3
Grays Harbor						1			1		6	8
Rural									1			1
Aberdeen						1					3	4
Hoquiam											3	3
Island											1	1
King			2	1			1	5	2	3	95	109
Rural			1	1				3	1	2	27	35
Renton											1	1
Seattle			1				1	2	1	1	67	73
Kitsap		1	2			1			1		6	11
Rural			2			1					5	8
Bremerton		1							1		1	3
Kittitas									1		5	6
Lewis							1		1	1	4	7
Mason								1			1	2
Okanogan							1				1	2
Pacific											2	2
Pierce						1	1	1	5	3	40	51
Rural						1				2	11	14
Puyallup											1	1
Tacoma							1	1	5	1	28	36
Skagit					1			1	1	1	9	13
Snohomish											20	20
Rural											12	12
Everett											8	8
Spokane				1		1	2	2	2	4	53	65
Rural							1				4	5
Spokane				1		1	1	2	2	4	49	60

TABLE 53 (Continued)

DEATHS FROM RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE* IN THE COUNTIES** AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, WITH PERCENTAGES, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 and over	All ages
Stevens									1		6	7
Thurston									1		10	11
Rural									1		4	5
Olympia											6	6
Walla Walla								1			12	13
Rural											4	4
Walla Walla								1			8	9
Whatcom			1							1	9	11
Rural			1								3	4
Bellingham										1	6	7
Whitman					2						3	5
Yakima						1	1		2		15	19
Rural						1	1		2		10	14
Yakima											5	5
URBAN TOTAL	0	1	2	2	1	2	5	6	11	10	200	240
RURAL TOTAL	0	0	4	2	3	3	5	6	11	9	143	186
GRAND TOTAL	0	1	6	4	4	5	10	12	22	19	343	426
Percent of Total	0.0	0.2	1.4	0.9	0.9	1.2	2.3	2.8	5.2	4.5	80.5	100.0

	No.	Rate per 100,000 estimated population
Urban Total	240	20.6
Rural Total	186	16.9
Grand Total	426	18.8

* Includes International List Numbers, 400-402, 410-416

**In this table when no deaths occurred in a county, that county is not listed.

TABLE 54

CASES OF TYPHOID AND PARATYPHOID REPORTED IN THE COUNTIES* AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, WITH PERCENTAGES, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 and over	Unknown age	All ages
Grant													
King		1					1				1		1
Rural							1					1	3
Renton#													1
Seattle		1											
Pierce												1	2
Rural											1		1
Puyallup#											1		1
Tacoma													
Thurston													
Rural												1	1
Olympia												1	1
Whatcom		2											
Rural													2
Bellingham		2											
Whitman	1												2
Yakima										1	1		3
ural											1		1
Yakima													
											1		1
URBAN TOTAL	0	3	0	0	0	0	0	0	0	0	1	1	5
RURAL TOTAL	1	0	0	0	0	0	1	0	0	1	3	1	7
GRAND TOTAL	1	3	0	0	0	0	1	0	0	1	4	2	12
Percent of Total	8.3	25.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	8.3	33.3	16.7	100.0

	No.	Rate per 100,000 estimated population
Urban Total	5	0.4
Rural Total	7	0.6
Grand Total	12	0.5

* In this table when no cases occurred in a county, that county is not listed.
\# No separate breakdown for these cities; cases included in rural part of county.

No deaths from typhoid and paratyphoid fever recorded in 1949.

TABLE 55

CASES OF UNDULANT FEVER REPORTED IN THE COUNTIES** AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, WITH PERCENTAGES, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 and over	Unknown age	All ages
Benton									1				1
Rural									1				1
Richland#													
Chelan												1	1
Rural													
Wenatchee												1	1
Clallam								1					1
Rural								1					1
Port Angeles													
King											1		1
Rural											1		1
Renton#													
Seattle													
Lewis											2		2
Lincoln				1									1
Mason					1								1
Pacific									1				1
Pierce								1					1
Rural								1					1
Puyallup#													
Tacoma													
Skagit				1	1				1	1	1	1	6
Snohomish				1					1		1	1	4
Rural				1					1		1	1	4
Everett													
Thurston									1				1
Rural									1				1
Olympia													
Whatcom		1	1			1					1	1	5
Rural		1	1			1					1	1	5*
Bellingham													
URBAN TOTAL	0	0	0	0	0	0	0	0	0	0	0	1	1
RURAL TOTAL	0	1	1	3	2	1	0	2	5	1	6	3	25
GRAND TOTAL	0	1	1	3	2	1	0	2	5	1	6	4	26
Percent of Total	0.0	3.8	3.8	11.5	7.7	3.8	0.0	7.7	19.2	3.8	23.1	15.4	100.0

	No.	Rate per 100,000 estimated population
Urban Total	1	0.1
Rural Total	25	2.3
Grand Total	26	1.1

One death from undulant fever in Whatcom rural in the age group 1-4 years. No other deaths recorded.

**In this table when no cases occurred in a county, that county is not listed.

No separate breakdown for these cities; cases included in rural part of county.

TABLE 56

CASES OF WHOOPING COUGH REPORTED IN THE COUNTIES* AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, WITH PERCENTAGES, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 and over	Unknown age	All ages
Adams												6	6
Benton	1	6	8	1								41	57
Rural	1	6	8	1								41	57
Richland**													
Chelan	1	3	4										8
Rural		3#	2										5#
Wenatchee	1		2										3
Clallam	3	6	1									2	12
Rural	1	2	1										4
Port Angeles	2	4										2	8
Clark	3	10	9										22
Rural	3	5	8										16
Vancouver	0	5	1										6
Cowlitz	4	5	11									8	28
Rural	2	3	11									5	21
Longview	2	2										3	7
Douglas	1	4	9				1					1	16
ry												60	60
..anklin		2	1				1						4
Grant	1		2										3
Island	1	1	1									3	6
Jefferson												1	1
King	34	106	90	13	1							2	246
Rural	13	37	29	6									85
Renton**													
Seattle	21	69	61	7	1							2	161
Kitsap	3	11	9	1									24
Rural	2	6	4	1									13
Bremerton	1	5	5										11
Kittitas												1	1
Lewis	1												1
Lincoln		1										1	2
Mason												5	5
Okanogan		5	4									2	11
Pacific												5	5
Pierce	7	16	7									4	34
Rural	1	3	5										9
Puyallup**													
Tacoma	6	13#	2									4	25#
Skagit	1	2	3									2	8
Skamania		3	2	1									6
Snohomish		4	17	1								4	26
Rural		4	16	1								4	25
verett			1										1
Spokane	1			1									2
Rural	1			1									2
Spokane													
Stevens	4	1	4				1					1	11

TABLE 56 (Continued)

CASES OF WHOOPING COUGH REPORTED IN THE COUNTIES* AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, WITH PERCENTAGES, 1949

County or City	Under 1 yr	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 and over	Unknown age	All ages
hurston	1	3										2	6
Rural	1	2										2	5
Olympia		1											1
alla Walla	1											17	18
Rural	1											13	14
Walla Walla												4	4
natcom		1										14	15
Rural													
Bellingham		1										14	15
itman		2	4										6
akima	21	45	46	10								7	129
Rural	11#	23#	16	2								2	54#
Yakima	10	22	30	8								5	75
RBAN TOTAL	43	122	102	15	1	0	0	0	0	0	0	34	317
JRAL TOTAL	46	115	130	13	0	0	3	0	0	0	0	155	462
RAND TOTAL	89	237	232	28	1	0	3	0	0	0	0	189	779
rcent of Total	11.4	30.4	29.8	3.6	0.1	0.0	0.4	0.0	0.0	0.0	0.0	24.3	100.0

	No.	Rate per 100,000 estimated population
Urban Total	317	27.3
Rural Total	462	41.9
Grand Total	779	34.4

In this table when no cases occurred in a county, that county is not listed.
No separate breakdown for these cities; cases included in rural part of county.
4 deaths from whooping cough, State of Washington residents, during 1949.
Symbol indicates one death in area and age group.

SECTION VII

* * * * * *

VENEREAL DISEASE

MORBIDITY AND MORTALITY

TABLE 57

CIVILIAN CASES OF SYPHILIS, GONORRHEA, CHANCROID, LYMPHOGRANULOMA VENEREUM, AND GRANULOMA INGUINALE, REPORTED IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 100,000 ESTIMATED POPULATION, ALLOCATED TO RESIDENCE, 1949

County or City	Syphilis		Gonorrhea		Chancroid		Lymphogranuloma Venereum		Lymphogranuloma Inguinale	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Adams										
Asotin	2	18.8								
Benton	73	135.9	48	89.4			1	1.9		
Rural	73	135.9	48	89.4			1	1.9		
Richland*										
Chelan	19	49.6	7	18.2						
Rural	7	33.5	3	14.3						
Wenatchee	12	69.0	4	23.0						
Clallam	8	32.7	11	45.0	1	4.1				
Rural	2	15.5	9	69.6	1	7.7				
Port Angeles	6	52.0	2	17.3						
Clark	63	75.4	34	40.7	4	4.8	1	1.2		
Rural	33	66.3	11	22.1						
Vancouver	30	88.9	23	68.1	4	11.8	1	3.0		
Columbia			1	17.5						
Cowlitz	30	51.8	15	25.9						
Rural	17	46.1	8	21.7						
Longview	13	61.9	7	33.3						
Douglas	1	12.4	2	24.8						
Ferry	4	83.3	2	41.7						
Franklin	36	209.9	62	361.5	1	5.8				
Garfield	1	34.9								
Grant	18	120.8	45	302.0						
Grays Harbor	12	21.3	14	24.8						
Rural	3	13.4	4	17.9						
Aberdeen	4	18.6	6	27.9						
Hoquiam	5	39.6	4	31.7						
Island	1	12.4	2	24.8						
Jefferson	1	10.6	2	21.3						
King	566	82.0	1047	151.7	88	12.8	6	0.8	2	0.2
Rural	35	17.4	61	30.3						
Renton*										
Seattle	531	108.6	986	201.6	88	18.0	6	1.2	2	0.4
Kitsap	39	50.4	60	77.5	1	1.3				
Rural	20	44.6	35	78.0						
Bremerton	19	58.4	25	76.8	1	3.1				
Kittitas	6	23.8	10	39.8						
Klickitat	2	18.0								
Lewis	17	39.1	12	27.6	1	2.3				
Lincoln										
Mason	7	52.6	3	22.6						
Okanogan	19	68.8	15	54.3						
Pacific	13	82.8	1	6.4						
Pend Oreille										
Pierce	111	47.7	293	126.0	7	30.1				
Rural	20	24.4	37	45.2						
Puyallup*										
Tacoma	91	60.4	256	169.8	7	4.6				

TABLE 57 (Continued)

CIVILIAN CASES OF SYPHILIS, GONORRHEA, CHANCROID, LYMPHOGRANULOMA VENEREUM, AND GRANULOMA INGUINALE, REPORTED IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 100,000 ESTIMATED POPULATION, ALLOCATED TO RESIDENCE, 1949

County or City	Syphilis		Gonorrhea		Chancroid		Lymphogranuloma Venereum		Lymphogranuloma Inguinale	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
San Juan			1	19.0						
Skagit	7	15.3	5	10.9						
Skamania										
Snohomish	17	16.2	19	18.1						
Rural	10	14.5	15	21.7						
Everett	7	19.4	4	11.1						
Spokane	128	54.0	114	48.0						
Rural	29	43.1	4	5.9						
Spokane	99	58.2	110	64.7						
Stevens	2	10.8	2	10.8						
Thurston	11	28.4	15	38.8						
Rural	3	13.1	6	26.2						
Olympia	8	50.6	9	57.0						
Wahkiakum	1	2.2	1	2.2	1	2.2				
Walla Walla	12	30.4	31	78.5						
Rural	3	24.4	7	56.8						
Walla Walla	9	33.1	24	88.4						
tcom	45	73.0	31	50.3	1	1.6				
Rural	7	24.5	10	35.0	1	3.5				
Bellingham	38	114.8	21	63.4						
Whitman	11	37.8	7	24.0						
Yakima	121	102.5	233	197.5	5	4.2				
Rural	71	89.1	136	170.7	4	5.0				
Yakima	50	130.6	97	253.3	1	2.6				
URBAN TOTAL	922	83.0	1578	142.1	101	9.1	7	0.6	2	0.2
RURAL TOTAL	482	41.8	567	49.1	9	0.8	1	0.1	0	0.0
GRAND TOTAL	1404	62.0	2145	94.7	110	4.8	8	0.4	2	0.1

* No separate breakdown on these cities, cases included in rural part of county.

TABLE 58

CIVILIAN CASES OF SYPHILIS, BY STAGE, BY WHITE AND NON-WHITE, REPORTED IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, ALLOCATED TO RESIDENCE, 1949

County or City	Primary and secondary		Early Latent		Late Latent		Ter-tiary		Con-genital		Unknown		Total	
	W	N W	W	N W	W	N W	W	N W	W	N W	W	N W	W	N W
Adams														
Asotin			1		1								2	
Benton	3	2	14	11	20	16	5				2		44	29
Chelan	6		5	1	3		4						18	1
Rural	2		4		1								7	
Wenatchee	4		1	1	2		4						11	1
Clallam		1	1				5				1		7	1
Rural		1					1						1	1
Port Angeles			1				4				1		6	
Clark	5		9	1	26	4	4		2	3	8	1	54	9
Rural	1		4		15	3	3		1		5	1	29	4
Vancouver	4		5	1	11	1	1		1	3	3		25	5
Columbia													0	0
Klitz	6		5		10		2		1		6		30	
Rural	3		2		8		2				2		17	
Longview	3		3		2				1		4		13	
Douglas	1												1	
Ferry					1	1	2						3	1
Franklin	7	1	4	6	1	13	1	2	1				14	22
Garfield					1								1	
Grant	2	1		1	3	3	1	2	2	1	2		10	8
Grays Harbor	2		1		4		3		2				12	
Rural					2				1				3	
Aberdeen			1				3						4	
Hoquiam	2				2				1				5	
Island					1								1	
Jefferson											1		1	
King	71	63	56	74	131	86	55	10	3	6	11		327	239
Rural	4	2	2	1	17		6				3		32	3
Seattle	67	61	54	73	114	86	49	10	3	6	8		295	236
Kitsap	3	3	4	3	14	1	3	1	2		5		31	8
Rural		2	2	2	8		2		1		3		16	4
Bremerton	3	1	2	1	6	1	1	1	1		2		15	4
Kittitas			3		2		1						6	
Klickitat					1						1		2	
Lewis	1		3		7		4		1		1		17	
Lincoln														
Mason					3	2	1	1					4	3
Okanogan	1		2	3		3	2		2		4	2	11	8
Pacific			2		9		1		1				13	
Pend Oreille														
Pierce	18	4	14	7	29	10	20	3	2		3	1	86	25
Rural	2		2		9	1	2		1		2	1	18	2
Tacoma	16	4	12	7	20	9	18	3	1		1		68	23

TABLE 58 (Continued)

CIVILIAN CASES OF SYFHILIS, BY STAGE, BY WHITE AND NON-WHITE, REPORTED IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, ALLOCATED TO RESIDENCE, 1949

County or City	Primary and Secondary		Early Latent		Late Latent		Ter-tiary		Con-genital		Unknown		Total	
	W	N W	W	N W	W	N W	W	N W	W	N W	W	N W	W	N W
San Juan														
Skagit	1		1		3		2						7	
Skamania														
Snohomish	4		2		5	2	2	1	1				14	3
Rural	3		1		2	1	2		1				9	1
Everett	1		1		3	1		1					5	2
Spokane	11	2	11	8	43	12	36	1	1		3		105	23
Rural	3				3	1	20				2		28	1
Spokane	8	2	11	8	40	11	16	1	1		1		77	22
Stevens					1						1		2	
Thurston			3		4		4						11	
Rural					2		1						3	
Olympia			3		2		3						8	
Tokiakum					1								1	
Walla Walla	3		3		2	2					1	1	9	3
Rural	1		1			1							2	1
Walla Walla	2		2		2	1					1	1	7	2
Whatcom	4		3		21		14				3		45	
Rural	1		1		4						1		7	
Bellingham	3		2		17		14				2		38	
Whitman			1		5	1	1		2		1		10	1
Yakima	20	14	20	14	24	12	6	3	3	3	1	1	74	47
Rural	17	5	16	5	13	6	3	1	3		1	1	53	18
Yakima	3	9	4	9	11	6	3	2		3			21	29
URBAN TOTAL	116	77	102	100	232	116	116	18	9	12	23	1	598	324
RURAL TOTAL	53	14	66	29	144	52	63	6	17	1	32	5	375	107
GRAND TOTAL	169	91	168	129	376	168	179	24	26	13	55	6	973	431

TABLE 59

CIVILIAN CASES OF GONORRHEA, CHANCROID, LYMPHOGRANULOMA VENEREUM, AND GRANULOMA INGUINALE, BY WHITE AND NON-WHITE, REPORTED IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, 1949

County or City	Gonorrhea		Chancroid		Lymphogranuloma Venereum		Granuloma Inguinale	
	White	Non-White	White	Non-White	White	Non-White	White	Non-White
Adams								
Asotin								
Benton	22	26			1			
Chelan	7							
Rural	3							
Wenatchee	4							
Clallam	4	7		1				
Rural	2	7		1				
Port Angeles	2							
Clark	27	7	4		1			
Rural	11							
Vancouver	16	7	4		1			
Columbia	1							
Dayton	13	2						
Rural	8							
Longview	5	2						
Douglas	2							
Ferry		2						
Franklin	19	43		1				
Garfield								
Grant	24	21						
Grays Harbor	13	1						
Rural	3	1						
Aberdeen	6							
Hoquiam	4							
Island	1	1						
Jefferson	1	1						
King	442	605	44	44		6		2
Rural	43	18						
Seattle	399	587	44	44		6		2
Kitsap	18	42		1				
Rural	12	23		1				
Bremerton	6	19						
Kittitas	10							
Klickitat								
Lewis	11	1	1					
Lincoln								
Mason	1	2						
Okanogan	6	9						
Pacific	1							
Pend Oreille								
Pierce	179	114	4	3				
Rural	22	15						
Tacoma	157	99	4	3				

TABLE 59 (Continued)

CIVILIAN CASES OF GONORRHEA, CHANCROID, LYMPHOGRANULOMA VENEREUM, AND GRANULOMA INQUINALE, BY WHITE AND NON-WHITE, REPORTED IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, 1949

County or City	Gonorrhea		Chancroid		Lymphogranuloma Venereum		Granuloma Inguinale	
	White	Non-White	White	Non-White	White	Non-White	White	Non-White
San Juan	1							
Skagit	1	4						
Skamania								
Snohomish	9	10						
Rural	6	9						
Everett	3	1						
Spokane	72	42						
Rural	2	2						
Spokane	70	40						
Stevens	1	1						
Thurston	12	3						
Rural	3	3						
Olympia	9							
hkiakum	1		1					
Walla Walla	26	5						
Rural	7							
Walla Walla	19	5						
Whatcom	27	4	1					
Rural	7	3	1					
Bellingham	20	1						
Whitman	7							
Yakima	132	101	1	4				
Rural	84	52	1	3				
Yakima	48	49		1				
URBAN TOTAL	768	810	52	49	1	6	0	2
RURAL TOTAL	323	244	4	5	1	0	0	0
GRAND TOTAL	1091	1054	56	54	2	6	0	2

TABLE 60

CASES OF CONGENITAL SYPHILIS REPORTED IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, ALLOCATED TO RESIDENCE, 1949

County or City	Under 1 yr	1 to 2 yrs	2 to 3 yrs	3 to 4 yrs	4 to 5 yrs	5 to 6 yrs	Over 6 yrs	Total
Adams								0
Asotin								0
Benton								0
Chelan								0
Rural								0
Wenatchee								0
Clallam								0
Rural								0
Port Angeles								0
Clark						1	4	5
Rural							1	1
Vancouver						1	3	4
Columbia								
Cowlitz	1							1
Rural								0
Longview	1							1
Douglas								0
Ferry								0
Franklin							1	1
Garfield								0
Grant							3	3
Grays Harbor				1			1	2
Rural							1	1
Aberdeen								0
Hoquiam				1				1
Island								0
Jefferson								0
King	2						7	9
Rural								0
Seattle	2						7	9
Kitsap	1						1	2
Rural	1							1
Bremerton							1	1
Kittitas								0
Klickitat								0
Lewis							1	1
Lincoln								0
Mason								0
Okanogan	1						1	2
Pacific							1	1
Pend Oreille								0
Pierce	1						1	2
Rural							1	1
Tacoma	1							1

TABLE 60 (Continued)

CASES OF CONGENITAL SYPHILIS REPORTED IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY AGE GROUP, ALLOCATED TO RESIDENCE, 1949

County or City	Under 1 yr	1 to 2 yrs	2 to 3 yrs	3 to 4 yrs	4 to 5 yrs	5 to 6 yrs	Over 6 yrs	Total
San Juan								0
Skagit								0
Skamania								0
Snohomish							1	1
Rural							1	1
Everett								0
Spokane					1			1
Rural								0
Spokane					1			1
Stevens								0
Thurston								0
Rural								0
Olympia								0
Lhkiakum								0
Walla Walla								0
Rural								0
Walla Walla								0
Whatcom								0
Rural								0
Bellingham								0
Whitman							2	2
Yakima							6	6
Rural							3	3
Yakima							3	3
URBAN TOTAL	4	0	0	1	1	1	14	21
RURAL TOTAL	2	0	0	0	0	0	16	18
GRAND TOTAL	6	0	0	1	1	1	30	39

T 161 - CIVILIAN CASES OF SYPHILIS, BY STAGE, AND NORRHEA, REPORTED IN THE COUNTIES AND MAJOR CITIE OF THE STATE OF WASHIN , BY REPORTING AGENCY, 1949

County or City	Private Physician								Other Reporting Agencies								Total All Reporting Agencies							
	Pri. & Sec.	Early Lat.	Late Lat.	Ter-tiary	Cong.	Not Stat.	Syph. Total	Gc.	Pri. & Sec.	Early Lat.	Late Lat.	Ter-tiary	Cong.	Not Stat.	Syph. Total	Gc.	Pri. & Sec.	Early Lat.	Late Lat.	Ter-tiary	Cong.	Not Stat.	Syph. Total	Gc.
Adams																								
Asotin		1	1				2											1	1				2	
Benton						1	1	8	5	25	36	5		1	72	40	5	25	36	5		2	73	48
Chelan	4	2	3	3			12	3	2	4		1			7	4	6	6	3	4			19	7
Rural	1	1	1				3	3	1	3					4		2	4	1				7	3
Wenatchee	3	1	2	3			9		1	1		1			3	4	4	2	2	4			12	4
Clallam		1		5		1	7	4	1						1	7	1	1		5		1	8	11
Rural				1			1	2	1						1	7	1			1			2	9
Port Angeles		1		4		1	6	2										1		4		1	6	2
Clark	1	3	19	3	2	7	35	13	4	7	11	1	3	2	28	21	5	10	30	4	5	9	63	34
Rural	1	1	12	3	1	5	23	4		3	6			1	10	7	1	4	18	3	1	6	33	11
Vancouver		2	7		1	2	12	9	4	4	5	1	3	1	18	14	4	6	12	1	4	3	30	23
Columbia																1								1
Cowlitz	5	4	5	2	1	5	22	10	1	1	5			1	8	5	6	5	10	2	1	6	30	15
Rural	3	1	3	2		2	11	6		1	5				6	2	3	2	8	2		2	17	8
Longview	2	3	2		1	3	11	4	1					1	2	3	3	3	2		1	4	13	7
Douglas								2	1						1		1						1	2
Ferry			1	2			3				1				1	2			2	2			4	2
Franklin	7		1				8	7	1	10	13	3	1		28	55	8	10	14	3	1		36	62
Garfield			1				1												1				1	
Grant	1		4	2	1		8	21	2	1	2	1	2	2	10	24	3	1	6	3	3	2	18	45
Grays Harbor	1		3	1	1		6	3	1	1	1	2	1		6	11	2	1	4	3	2		12	14
Rural			1				1				1		1		2	4			2		1		3	4
Aberdeen				1			1	1		1		2			3	5		1		3			4	6
Hoquiam	1		2		1		4	2	1						1	2	2		2		1		5	4
Island			1				1	1								1			1				1	2
Jefferson								1						1	1	1						1	1	2
King	28	43	70	26	3	8	178	120	106	87	147	39	6	3	388	927	134	130	217	65	9	11	566	1047
Rural	1		12	2		3	18	17	5	3	5	4			17	44	6	3	17	6		3	35	61
Seattle	27	43	58	24	3	5	160	103	101	84	142	35	6	3	371	883	128	127	200	59	9	8	531	986
Kitsap	1	3	7	2	1	4	18	10	5	4	8	2	1	1	21	50	6	7	15	4	2	5	39	60
Rural	1	1	3		1	3	9	7	1	3	5	2			11	28	2	4	8	2	1	3	20	35
Bremerton		2	4	2		1	9	3	4	1	3		1	1	10	22	4	3	7	2	1	2	19	25
Kittitas		2	2				4	9		1		1			2	1		3	2	1			6	10
Klickitat			1				1							1	1				1			1	2	
Lewis	1	2	5	2			10	7		1	2	2	1	1	7	5	1	3	7	4	1	1	17	12

TAI 61 - CIVILIAN CASES OF SYPHILIS, BY STAGE, AND (RRHEA, REPORTED IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, BY REPORTING AGENCY, 1949

County or City	Private Physician								Other Reporting Agencies								Total All Reporting Agencies							
	Pri. & Sec.	Early Lat.	Late Lat.	Ter tiary	Cong.	Not Stat.	Syph. Total	Gc.	Pri. & Sec.	Early Lat.	Late Lat.	Ter-tiary	Cong.	Not Stat.	Syph. Total	Gc.	Pri. & Sec.	Early Lat.	Late Lat.	Ter-tiary	Cong.	Not Stat.	Syph. Total	Gc.
Lincoln																								
Mason			1				1	1			4	2			6	2			5	2			7	3
Okanogan	1	3	3	2	2	3	14	9		2				3	5	6	1	5	3	2	2	6	19	15
Pacific		1	6				7	1		1	3	1	1		6			2	9	1	1		13	1
Pend Oreille																								
Pierce	5	5	13	6		3	32	23	17	16	26	17	2	1	79	270	22	21	39	23	2	4	111	293
Rural	1		6			2	9	8	1	2	4	2	1	1	11	29	2	2	10	2	1	3	20	37
Tacoma	4	5	7	6		1	23	15	16	14	22	15	1		68	241	20	19	29	21	1	1	91	256
San Juan								1																1
Skagit		1	3	2			6	2	1						1	3	1	1	3	2			7	5
Skamania																								
Snohomish	1		4	1	1		7	2	3	2	3	2			10	17	4	2	7	3	1		17	19
Rural	1		1		1		3		2	1	2	2			7	15	3	1	3	2	1		10	15
Everett			3	1			4	2	1	1	1				3	2	1	1	4	1		7	7	4
Spokane	5	6	30	15		2	58	15	8	13	25	22	1	1	70	99	13	19	55	37	1	3	128	114
Rural						1	1		3		4	20		1	28	4	3		4	20		2	29	4
Spokane	5	6	30	15		1	57	15	5	13	21	2	1		42	95	10	19	51	17	1	1	99	110
Stevens			1			1	2	1								1			1			1	2	2
Thurston		1	3	1			5	4		2	1	3			6	11		3	4	4			11	15
Rural			2				2	1				1			1	5			2	1			3	6
Olympia		1	1	1			3	3		2	1	2			5	6		3	2	3			8	9
Wahkiakum			1				1	1											1				1	1
Walla Walla	2	2	1			1	6	7	1	1	3			1	6	24	3	3	4			2	12	31
Rural	1						1	1		1	1				2	6	1	1	1				3	7
Walla Walla	1	2	1			1	5	6	1		2			1	4	18	2	2	3			2	9	24
Whatcom	1	3	18	8		3	33	22	3		3	6			12	9	4	3	21	14		3	45	31
Rural		1	4			1	6	7	1						1	3	1	1	4			1	7	10
Bellingham	1	2	14	8		2	27	15	2		3	6			11	6	3	2	17	14		2	38	21
Whitman			5		2		7	5		1	1	1		1	4	2		1	6	1	2	1	11	7
Yakima	10	9	18	2	1	1	41	43	24	25	18	7	5	1	80	190	34	34	36	9	6	2	121	233
Rural	9	6	11	1	1	1	29	35	13	15	8	3	2	1	42	101	22	21	19	4	3	2	71	136
Yakima	1	3	7	1			12	8	11	10	10	4	3		38	89	12	13	17	5	3		50	97
URBAN TOTAL	45	71	138	66	6	17	343	188	148	131	210	68	15	7	579	1390	193	202	348	134	21	24	922	1578
RURAL TOTAL	29	21	93	19	9	23	194	168	38	74	103	50	9	14	288	399	67	95	196	69	18	37	482	567
GRAND TOTAL	74	92	231	85	15	40	537	356	186	205	313	118	24	21	867	1789	260	297	544	203	39	61	1404	2145

TABLE 62

DEATHS FROM SYPHILIS AND ALL OTHER VENEREAL DISEASES, IN THE COUNTIES AND MAJOR CITIES OF THE STATE OF WASHINGTON, WITH RATES PER 100,000 ESTIMATED POPULATION, ALLOCATED TO RESIDENCE OF DECEDENT, 1949

County or City	Syphilis		All Others	
	No.	Rate	No.	Rate
Adams	1	16.5		
Asotin				
Benton				
Rural				
Richland				
Chelan	1	2.6		
Rural	1	4.8		
Wenatchee	0	0.0		
Clallam				
Rural				
Port Angeles				
Clark	2	2.4		
Rural	1	2.0		
Vancouver	1	3.0		
Columbia				
Cowlitz	2	3.4		
Rural	2	5.4		
Longview	0	0.0		
Douglas				
Ferry				
Franklin				
Garfield				
Grant				
Grays Harbor	9	16.0		
Rural	4	17.9		
Aberdeen	4	18.6		
Hoquiam	1	7.9		
Island	1	1.2		
Jefferson				
King	39	5.6	1*	0.1
Rural	7	3.8	0	0.0
Renton	0	0.0	0	0.0
Seattle	32	6.5	1*	0.2
Kitsap	2	2.5		
Rural	1	2.2		
Bremerton	1	3.1		
Kittitas	2	8.0		
Klickitat				
Lewis	3	6.9		

County or City	Syphilis		All Others	
	No.	Rate	No.	Rate
Lincoln				
Mason	1	7.5		
Okanogan				
Pacific	1	6.4		
Pend Oreille				
Pierce	11	4.7		
Rural	3	1.4		
Puyallup	0	0.0		
Tacoma	8	5.3		
San Juan	1	1.9		
Skagit	3	6.6		
Skamania				
Snohomish	7	6.7		
Rural	4	5.8		
Everett	3	8.3		
Spokane	11	4.6		
Rural	1	1.5		
Spokane	10	5.9		
Stevens	2	10.8		
Thurston	2	5.2		
Rural	1	4.4		
Olympia	1	6.3		
Wahkiakum				
Walla Walla	1	2.5		
Rural	1	8.1		
Walla Walla	0	0.0		
Whatcom	1	1.6		
Rural	0	0.0		
Bellingham	1	3.0		
Whitman				
Yakima	8	6.8		
Rural	5	6.3		
Yakima	3	7.8		
URBAN TOTAL	65	5.7	1	0.1
RURAL TOTAL	46	4.2	0	0.0
GRAND TOTAL	111	4.9	1	*.*

* One death from lymphogranuloma venereum.

** Less than 0.05