

Washington State
Vital Statistics 1992 & 1993



Center for Health Statistics
December 1994

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Introduction

Washington State Vital Statistics, 1992 & 1993, published by the Center for Health Statistics of the Washington State Department of Health, contains summary tables of birth and death vital events which occurred during the calendar years 1992 and 1993. As in previous years, this report also contains a brief analysis of birth and death statistics. In addition, several changes have been made which will ultimately increase the quality and usefulness of the data and help the Center for Health Statistics better serve vital statistics data users.

This report is mandated by an important mission of the Department of Health--to help Washingtonians live healthier lives by enabling them to make informed choices about behaviors affecting their health and by insuring their access to high quality health care and preventive services. Timely and wide-ranging health information, such as that presented in *Washington State Vital Statistics*, is crucial to accomplishing this mission. This report is often the first resource used to identify problems related to prenatal care, maternal and infant health, family planning, and general mortality.

Source of Vital Statistics

Data used to prepare this report come from Certificates of Live Birth, Certificates of Fetal Death, and Certificates of Death. The forms for these certificates are provided by the Washington State Department of Health. The following table describes how these certificates are completed and filed.

Filing of Washington State Vital Statistics

Certificate	Completed by	Initially Filed with
Live Birth	Hospital or Birth Attendant	State Dept. of Health
Fetal Death	Hospital or Birth Attendant	Local Health Dept./District
Death	Funeral Director, Physician	Local Health Dept./District

Starting in 1992, hospitals or birth attendants sent birth records directly to the Department of Health, either as hard copy or electronically (by floppy disk or modem), using the Electronic Birth Certificate (EBC) system. These data were either keyed or uploaded directly into a computer. The local health departments/districts sent all completed death and fetal death records monthly to the Department of Health, where they were coded and the data were entered into a computer. Extracts from these computer files were used to perform the analyses and prepare the tables presented in this annual report.

Users of this report who are unfamiliar with vital statistics data are urged to read the section, *How to Use Vital Statistics*, within the

Overview for a description of the data and their limitations, especially limitations due to small numbers. With a little care in their use, vital statistics can be very important tools. No other data base has such a wide variety of health status indicators which provide a simple overview of the health of a population. The increasing demand for tabulations and files of vital statistics data is a testimony to the importance of the data.

Technical Notes Made More Relevant

The Technical Notes Section included as Appendix A in the back of previous reports has been extensively revised to provide better information on how to use vital statistics data. This section, retitled *How To Use Vital Statistics*, has been placed in the *Overview* near the front of the report, to emphasize the importance of understanding the data and their limitations before using the tables in the report.

County Data Tables Restored

Most of the county/city data tables included in previous reports were left out of the 1991 report, creating problems for many data users. These tables have been restored to the report.

Electronic Birth Certificate (EBC) System Initiated

In 1992, the Center for Health Statistics began registering births electronically. Nearly all hospitals in the state and several licensed midwives and birthing centers now enter the birth certificate data directly into a personal computer, bypassing the traditional hard copy certificate. The computer birth certificate files are then transmitted daily, weekly, or monthly directly to the Center by floppy disk or modem. This change should improve the timeliness and completeness of the data.

Certificate Forms Revised

Birth and death certificate forms were revised for the 1992 data collection year, to include several items of public health importance. Items added to the birth certificate are: parents' education; principal source of payment for prenatal care; and special programs (such as WIC) in which the mother participated during the pregnancy. Items added to the death certificate are: an expanded decedent's education field; a fourth line for cause of death information; and length of residence in the county of residence. Appendix E shows copies of the current certificate forms.

Change Is Not Without Problems

The EBC system development and certificate form revision were two changes occurring in 1992. In addition, the Center's computer system was completely redesigned in 1992, because of increasing data processing charges. All of these changes delayed the availability of the data files and

hence the production of this report. Because of this delay, the Center has released preliminary birth and death data to many users. These preliminary data may not agree with the final numbers published in this report. We apologize for any inconvenience this may cause data users. Because 1993 data became available before the 1992 report was completed, it was decided to combine both years into one report, thus improving the timeliness of release for 1993 data.

Additional Services Available

This annual report provides an overview of the types of data available through the Washington State Center for Health Statistics. Additional tabulations can be obtained by calling the Center's research line at (206) 753-5936. The Center also works with data users to formulate requests so they get the data they need, provides technical consultation about how to use or interpret data, performs special analyses to address a specific problem or need, and helps users access raw data files.

Overview



Washington Counties and County Seats



Overview

The map of Washington State counties is provided above to help users identify the location of counties used in tables in this report.

Table 1 provides a historical context for interpreting 1992 and 1993 vital statistics. The birth rate, for example, increased in 1988-1990 as women from the 'Post-War Baby Boom' generation were having their own children. This rate has declined steadily since then and in 1993 reached its lowest level since 1976. Deaths from all causes fluctuated between 7 and 8 per 1000 population during the past fifteen years, despite the increase in the elderly population.

Trends in vital statistics since the early part of the century have been dramatic. Since 1920, for instance, the state's population has more than tripled, and maternal and infant death rates have dropped precipitously.

Table 1. Summary of Live Births, Deaths, Infant Deaths, Maternal Deaths, and Fetal Deaths, 1920 - 1993

Year	Population ¹	Live Births		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
		Number	Rate ²	Number	Rate ²	Number	Rate ³	Number ⁴	Rate ⁵	Number	Rate ³
1920	1,367,000	27,072	19.8	15,164	11.1	1,797	66.4	249	92.0	888	32.8
1921	1,385,700	27,267	19.7	13,254	9.6	1,512	55.5	192	70.4	852	31.2
1922	1,407,100	25,378	18.0	14,249	10.1	1,566	61.7	190	74.9	731	28.8
1923	1,427,300	25,259	17.7	13,856	9.7	1,428	56.5	159	62.9	680	26.9
1924	1,447,200	25,378	17.5	14,580	10.1	1,426	56.2	167	65.8	711	28.0
1925	1,467,600	24,741	16.9	15,280	10.4	1,395	56.4	140	56.6	667	27.0
1926	1,487,600	23,989	16.1	15,670	10.5	1,352	56.4	174	72.5	719	30.0
1927	1,507,800	23,315	15.5	15,950	10.6	1,162	49.8	151	64.8	650	27.9
1928	1,528,200	23,161	15.2	16,723	10.9	1,115	48.1	175	75.6	641	27.7
1929	1,548,400	22,685	14.7	16,413	10.6	1,110	48.9	150	66.1	572	25.2
1930	1,568,000	23,019	14.7	16,678	10.6	1,122	48.7	148	64.3	601	26.1
1931	1,585,000	22,028	13.9	16,524	10.4	1,064	48.3	141	64.0	591	26.8
1932	1,602,500	21,379	13.3	16,581	10.3	967	45.2	139	65.0	530	24.8
1933	1,619,700	20,882	12.9	16,705	10.3	811	38.8	140	67.0	446	21.4
1934	1,636,900	22,484	13.7	17,456	10.7	968	43.1	105	46.7	520	23.1
1935	1,654,000	22,378	13.5	18,046	10.9	998	44.6	120	53.6	469	21.0
1936	1,671,400	23,354	14.0	19,057	11.4	1,064	45.6	115	49.2	468	20.0
1937	1,689,100	24,882	14.7	18,771	11.1	978	39.3	118	47.4	495	19.9
1938	1,706,000	26,702	15.7	18,514	10.9	1,035	38.8	94	35.2	440	16.5
1939	1,723,400	26,471	15.4	18,528	10.8	977	36.9	97	36.6	450	17.0
1940	1,752,400	27,952	16.0	19,837	11.3	969	34.7	89	31.8	459	16.4
1941	1,816,700	30,916	17.0	19,359	10.7	1,065	34.4	66	21.3	445	14.4
1942	1,880,700	38,744	20.6	20,190	10.7	1,278	33.0	78	20.1	606	15.6
1943	1,945,000	44,258	22.8	22,017	11.3	1,534	34.7	72	16.3	575	13.0
1944	2,009,600	44,246	22.0	21,144	10.5	1,493	33.7	72	16.3	607	13.7
1945	2,073,600	44,296	21.4	21,292	10.3	1,523	34.4	79	17.8	672	15.2
1946	2,137,600	51,941	24.3	21,620	10.1	1,723	33.2	65	12.5	869	16.7
1947	2,202,400	58,230	26.4	21,763	9.9	1,630	28.0	59	10.1	907	15.6
1948	2,266,400	55,460	24.5	21,925	9.7	1,525	27.5	36	6.5	776	14.0
1949	2,331,000	56,433	24.2	22,420	9.6	1,526	27.0	36	6.4	850	15.1
1950	2,378,963	55,755	23.4	22,450	9.4	1,526	27.4	28	5.0	799	14.3
1951	2,444,000	57,994	23.7	23,300	9.5	1,412	24.3	23	4.0	852	14.7
1952	2,496,100	61,436	24.6	22,874	9.2	1,522	24.8	15	2.4	857	13.9
1953	2,528,200	61,571	24.4	23,279	9.2	1,556	25.3	18	2.9	834	13.5
1954	2,566,000	62,703	24.4	23,238	9.1	1,514	24.1	29	4.6	829	13.2
1955	2,586,100	62,290	24.1	24,410	9.4	1,520	24.4	16	2.6	806	12.9
1956	2,651,900	64,999	24.5	24,207	9.1	1,524	23.4	13	2.0	777	12.0
1957	2,712,700	65,982	24.3	25,140	9.3	1,596	24.2	20	3.0	793	12.0
1958	2,767,900	65,574	23.7	25,429	9.2	1,707	26.0	11	1.7	764	11.7
1959	2,819,000	65,729	23.3	26,229	9.3	1,570	23.9	9	1.4	749	11.4

Table 1. Summary of Live Births, Deaths, Infant Deaths, Maternal Deaths, and Fetal Deaths, 1920 - 1993

Year	Population ¹	Live Births ^o		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
		Number	Rate ²	Number	Rate ²	Number	Rate ³	Number ⁴	Rate ⁵	Number	Rate ³
1960	2,853,214	65,251	22.9	26,505	9.3	1,528	23.4	17	2.6	738	11.3
1961	2,897,000	65,013	22.4	26,353	9.1	1,467	22.6	19	2.9	756	11.6
1962	2,948,000	64,812	22.0	27,343	9.3	1,476	22.8	6	0.9	704	10.9
1963	2,972,000	61,013	20.5	27,550	9.3	1,339	21.9	10	1.6	657	10.8
1964	3,008,000	57,148	19.0	28,106	9.3	1,277	22.3	7	1.2	637	11.1
1965	3,065,000	52,806	17.2	27,379	8.9	1,130	21.4	15	2.8	639	12.1
1966	3,125,000	51,777	16.6	29,035	9.3	1,084	20.9	13	2.5	554	10.7
1967	3,229,000	54,875	17.1	29,302	9.1	1,050	19.1	12	2.2	573	10.4
1968	3,329,000	57,206	17.2	30,360	9.1	1,120	19.6	8	1.4	620	10.8
1969	3,365,000	59,354	17.6	30,504	9.1	1,118	18.8	12	2.0	651	11.0
1970	3,409,169	60,499	17.7	29,901	8.8	1,135	18.8	9	1.5	640	10.6
1971	3,433,000	55,304	16.1	30,318	8.8	1,008	18.2	5	0.9	574	10.4
1972	3,418,800	48,250	14.1	29,747	8.7	805	17.0	6	1.2	428	8.8
1973	3,424,300	47,636	13.9	30,751	9.0	781	16.4	3	0.6	430	9.0
1974	3,448,100	50,096	14.5	29,773	8.6	763	15.2	4	0.8	450	9.0
1975	3,494,124	50,821	14.5	29,778	8.5	798	15.7	5	1.0	421	8.3
1976	3,571,600	53,004	14.8	30,275	8.5	765	14.4	3	0.6	439	8.3
1977	3,661,975	57,256	15.6	29,789	8.1	696	12.2	5	0.9	426	7.4
1978	3,774,294	58,725	15.6	30,469	8.1	737	12.6	4	0.7	465	7.9
1979	3,911,200	64,377	16.5	30,418	7.8	737	11.4	8	1.2	466	7.2
1980	4,130,163	67,857	16.4	32,012	7.8	798	11.8	10	1.5	533	7.9
1981	4,250,123	69,756	16.4	32,022	7.5	731	10.5	7	1.0	489	7.0
1982	4,264,000	69,529	16.3	32,309	7.6	744	10.7	8	1.2	501	7.2
1983	4,285,100	68,705	16.0	32,631	7.6	653	9.5	6	0.9	474	6.9
1984	4,328,100	68,947	15.9	33,788	7.8	704	10.2	7	1.0	444	6.4
1985	4,384,100	70,226	16.0	34,475	7.9	747	10.6	5	0.7	403	5.7
1986	4,419,700	69,431	15.7	34,166	7.7	675	9.7	2	0.3	445	6.4
1987	4,481,100	70,329	15.7	34,967	7.8	681	9.7	3	0.4	411	5.8
1988	4,565,000	72,471	15.9	36,299	8.0	652	9.0	3	0.4	381	5.3
1989	4,660,700	75,321	16.2	36,049	7.7	686	9.1	2	0.3	387	5.1
1990	4,866,692	79,187	16.3	36,899	7.6	620	7.8	3	0.4	462	5.8
1991	5,000,400	79,667	15.9	36,947	7.4	600	7.5	3	0.4	426	5.3
1992	5,116,700	79,405	15.5	38,068	7.4	536	6.8	3	0.4	450	5.7
1993	5,240,900	78,614	15.0	40,303	7.7	495	6.3	6	0.8	395	5.0

¹1961-1969 population figures are revised estimates provided by the Office of Financial Management.

²Rate per 1,000 population.

³Rate per 1,000 live births.

⁴1979-1982 maternal death figures are revised totals based on studies conducted by the Center for Health Statistics.

⁵Rate per 10,000 live births.

SUMMARY

How To Use Vital Statistics

Why Read this Section?

Washington State Vital Statistics presents commonly used vital statistics data. These data not only have a variety of uses, but also a variety of users ranging from the beginner to the sophisticated analyst. This section is intended primarily to help those who do not entirely understand how to use vital statistics data or are not aware of data limitations. **Reading this section may help beginning users avoid drawing incorrect conclusions from the data.** For other users, this section may serve as a review.

What Are Vital Statistics?

'Vital statistics' are data on the basic events of life, typically birth, death, marriage, and divorce.

What Vital Statistics Can and Can't Do

Vital statistics are powerful indicators of health problems. As such, they can help us to track progress toward health improvement goals. They can also provide information on what the health problem is, who has the problem, and when and where it occurs. Unfortunately, vital statistics can't usually tell us why the problem occurs, which is what prevention programs really need to know. It's a common mistake to think that if two data items are associated or correlated (such as age of mother and low birth weight), then one causes the other. In reality, this could be a chance association (if you look at enough variables you find some relationship) or both items could be associated with a third, unmeasured factor (such as poverty or poor nutrition).

Also, vital statistics generally only measure one drastic outcome (death). There are many gradations between health and death which are not covered by the data. Using death data as a measure of morbidity ignores the fact that major diseases or external events causing death are not necessarily the same as those causing long-term illness or disability, which may have greater emotional and financial costs. Hospital inpatient from the Consolidated Hospital Abstract Reporting System (CHARS) provide a somewhat better measure of morbidity, but even they are limited to conditions resulting in a hospital admission.

How to Use the Data

There are several questions the user should ask as a guide to extracting data from the tables in this report.

1. What's the difference between residence and occurrence?

Beginning users reading table titles trying to locate data will notice that data are tabulated in two ways--by residence (where the person lived) or

by occurrence (where the event occurred). For example, a woman who lived in Olympia (Thurston County) but had her baby in Seattle (King County) would be counted in Thurston County on a residence table and in King County on an occurrence table. The Center for Health Statistics actually registers only those vital events occurring in Washington State. However, thanks to an interstate exchange agreement, we receive data on Washington residents having babies or dying in other states. Thus we have complete knowledge of Washington State resident vital events.

Some users may be tempted to add residence and occurrence figures together to get a total for any area, but this would not be correct. There is a great deal of overlap between these two, as most residents of a county also have their babies or die in the same county. Other users try to subtract residence and occurrence data to figure out how many residents are born or die outside of their county, but this is also incorrect. The only way to determine where county residents are having babies or dying is to tabulate residence by occurrence, as is done for births in Table 8 of this report in which the mother's county of residence is cross-tabulated by county in which the birth occurred.

2. Do I want residence or occurrence data? Users generally need residence data, which tell what's happening to the people living in a specified area. These residents would be the target audience for any local health assessment or health promotion programs. (Population figures, commonly used to calculate rates, are also based on a person's residence.) Hospital planners might want to know both (where births occurred to residents of their area) so they can assess possible markets.

For certain events, particularly external causes of death such as motor vehicle accidents or drowning, prevention programs might instead want to know where the event occurred so they can identify potentially hazardous situations or areas. Unfortunately, there is no population base to use for calculating occurrence rates so that we can tell if the numbers are unusually high or low. For example, a rural road might have a high number of motor vehicle accidents relative to the number of people living there, but there may be many more people driving that road on their way to work, so there would be more people at risk of getting in accidents.

The effect of a variable population always needs to be considered when looking at occurrence data. (Occurrence rates published in this report use residence population figures, so they are less meaningful than residence rates.) In any case, the decision to use residence or occurrence data should be based on the type of data needed and the way they will be used, given the above discussion as a guideline.

3. Should I use numbers or rates? All tables in this summary give the number of events (e.g., the number of Washington residents dying of cancer). These numbers are used to determine the size of a problem in any area (how many people are affected) or to estimate population changes due

to birth and death. But, using just numbers, we cannot readily compare two areas or two time periods. King County will always have more deaths than other counties because more people live there. Similarly, there are more deaths in 1992 than there were in 1952 because there are now more people in the state.

To eliminate the effect of different sized populations, we compare rates. A rate is simply the number of vital events (such as deaths) divided by the number of people who could possibly experience that event (typically, a state or county population, or the number of births in the case of infant death). This figure is generally multiplied by a constant such as 1,000 or 100,000 to get a number that is easy to read and compare. For example, it is easier to compare 22 deaths per 100,000 population to 9 deaths per 100,000 population and see that it is larger, than to compare 0.00022 to 0.00009.

Users need to recognize that these rates are not percentages unless the constant multiplier is 100. Thus, a rate of 1.1 per 100 population would translate to 1.1% and 1.1 per 1,000 population would be 0.11%. (Rates used in this report are defined in Appendix A.)

Rates calculated in this manner are called crude rates. They adjust for differences in population size but not differences in population characteristics. These population characteristics also need to be considered in interpreting comparisons. For example, since death rates increase with increasing age, a county with an older population may have higher death rates just because its population is older.

To compare rates and see if the county is high just because of its older population, we need to use age-adjusted death rates. These rates are computed by taking a county's death rates for each age group and applying them to a standard population (generally the 1940 U.S. population). This calculation then tells us what the county's death rate would be if it had the same age distribution as the U.S. population did in 1940. The major use of age-adjusted death rates is to allow comparisons between different areas and/or over various periods of time.

Users should be aware that an age-adjusted death rate has no absolute meaning; it is an artificial number based on a hypothetical population and is only useful for comparing with other rates calculated in the same manner. For more discussion of age-adjusted death rates, see the Center's report, *Washington State Age-Adjusted Death Rates and Years of Life Lost Rates* (April 1992). While age adjustment is the most common method for adjusting rates, a similar process can be used to adjust for other characteristics such as sex, education, or birth weight.

Analytical reports place great emphasis on who has the highest rate, but it is important to remember that rates can mask substantial differences in numbers which may be needed for policy decisions. For example, the

infant mortality rate for many people of color groups is considerably higher than the white rate. However, due to the racial composition of the state's population, most infants dying (84%) are white. While there are obviously good reasons for reducing infant mortality among people of color, policy makers need to be aware that this reduction may have very little effect on the overall state infant mortality rate.

4. What do I use for comparison of rates? There are many sources of data which can be used for comparison, to assess an area's strengths and weaknesses. These sources include data for another county or a similar geographical area, national or state data, or an independent goal or standard (such as the Year 2000 goals presented in some sections of this report). Users should remember, however, that as a source for comparison gets larger and farther away, it's less likely to have population characteristics which are similar to those in their own area. On the other hand, a larger area is likely to have more stable rates (see item 6), so users may be able to confirm patterns seen for their smaller area.

No matter what the comparison source, users should always find out how the rates were calculated, to see if the same methods and definitions were used. Otherwise, the rates are not truly comparable and may lead to incorrect conclusions. Some questions to ask might be: Are the rates crude or adjusted? Are they for the same time period? Is the definition of what constitutes an event the same? Are the same coding definitions used? Is the completeness of reporting events similar? Are the denominators taken from the same or similar data sources?

5. What do I do about unknowns? Most vital statistics data are not 100% complete. Sometimes the information is not (or cannot be) collected, and then the item is reported as unknown. For example, in 1991 there were 79,667 Washington resident births. Responses to an item on maternal smoking were: yes 13,782; no 57,049; unknown 8,836. What do we do with the unknowns when we calculate the percent smoking?

If we include unknowns in the total, the percent is $(13,782/79,667) \times 100$ or 17.3%. If we subtract unknowns from the total, the percent is $[13,782/(79,667 - 8,836)] \times 100$ or 19.5%. In general, it is better to omit unknowns from the total because otherwise the percentage is artificially low. The implicit assumption is that the remaining $(100.0 - 17.3)$ or 82.7% are non-smokers and that is not necessarily the case. There is a subpopulation of 11.1% that we know nothing about.

Also, if the percent unknown changes over time or for different areas, comparisons with these other data may be misleading if unknowns are not subtracted from the total. For example, the percent of unknown smoking decreased from 11.1% in 1991 to 3.0% in 1992. Including unknowns in the total means that the percent smoking apparently increased from 17.3% in 1991 to 19.3% in 1992. However, much of this increase is due to the decrease in unknowns. When unknowns are subtracted from the total, the

percent smoking shows a much smaller change, from 19.5% in 1991 to 19.9% in 1992. **Regardless of how it is done, the method used for handling unknowns should always be documented if it is not obvious from the data presented.**

6. What's all this I hear about the problem of small numbers? If the state collects all births and deaths in a year, then aren't the birth and death rates exactly as calculated? It's certainly true that vital statistics are not based on samples of the population, as many research data are. We do know the actual number of births, deaths, and population (assuming complete reporting of events), so we can calculate an exact birth or death rate for any one year. However, the data may still be affected by random fluctuations in the number of events between successive measurements (e.g., for different years).

These random fluctuations are proportionately larger when the number of events is small. For example, one more infant death has a larger numerical impact on an area with 3 deaths than it does on an area with 300 deaths. Because of these random fluctuations, the exact rates we measure may not be reliable rates in the sense that they may have no predictive value. Knowing this year's rate tells us nothing about what last year's rate was, or what next year's rate will be. This instability makes it difficult to use the rates for program planning or assessment purposes.

In fact, considerable caution should be used in interpreting any data where the number of events is small. The following example of Walla Walla county infant mortality illustrates the problem and shows how we can evaluate differences between rates. Table A shows Walla Walla County and Washington State infant death rates for 1989-92. This table shows that in some years Walla Walla is above the state rate and in other years it is below. In 1991, for example, the Walla Walla rate (11.3) was 50% higher than the state rate (7.5). Does this mean that infant mortality was a particular problem in Walla Walla in 1991 or not? If we instituted a program in 1991, does the considerably lower rate in 1992 (4.1) mean that our program was a resounding success? Not necessarily. First we must show that the 1991 and 1992 Walla Walla rates are significantly different from each other. How do we do this? We first estimate how much a rate is expected to differ due to random fluctuations alone.

**Table A. Infant Mortality Rates
(Deaths/1,000 Live Births)**

Year	Washington State	Walla Walla County
1989	9.1	8.1
1990	7.8	9.1
1991	7.5	11.3
1992	6.8	4.1

The number of infant deaths (N) should fluctuate between the lower and upper limits shown in the formulas below, used to define the confidence interval.¹

$$\text{LowerLimit} = N - (1.96 * \sqrt{N}) + 1.0$$

$$\text{UpperLimit} = N + (1.96 * \sqrt{N}) + 2.1 \text{ when } N \leq 50$$

$$\text{UpperLimit} = N + (1.96 * \sqrt{N}) + 2.0 \text{ when } N > 50$$

The 1991 Walla Walla rate (11.3) is based on 8 deaths, which means that the number of deaths could range from $[8 - (1.96 \times \sqrt{8}) + 1.0]$ to $[8 + (1.96 \times \sqrt{8}) + 2.1]$ or 3.5 - 15.6 due to random fluctuations. There were 708 Walla Walla residence births in 1991 and thus the infant death rate would be expected to range from 4.9 to 22.0 deaths per 1,000 live births. This range is generally referred to as the 95% confidence interval. The chances are 95 in 100 that an interval constructed like this includes the true rate. Rates outside of this range may indicate that something special is happening, but there is a 5% possibility (5 times out of 100) that the difference is due to chance variation alone (i.e., no actual difference between two rates).

The 1992 Walla Walla rate (4.1) is based on 3 deaths and 727 births and the confidence interval for this rate is 0.8 to 11.7. Now we can compare confidence intervals for these two years.

1991: 4.9 - 22.0

1992: 0.8 - 11.7

Because the confidence intervals for 1991 and 1992 overlap, as a rule of thumb, one may interpret this overlap to suggest that there is no significant difference between the infant mortality rates for these two years. Thus, there has been no significant decrease in Walla Walla infant mortality. Furthermore, the state's infant mortality rate for each year falls within confidence intervals for Walla Walla, which implies that the Walla Walla rate does not differ significantly from the state rate. This same procedure can be applied to any of the rates presented in this report, to assess the significance of differences over time or between geographical areas.

There are no hard and fast rules as to when numbers are too small for rates to be stable predictors of what's happening. However, the Public Health Improvement Plan (PHIP) guidelines call for suppressing calculation of rates when the number of events is less than 5. When in doubt, the user can easily calculate the confidence interval using the formula given above.

¹This formula, called the Ury-Wiggins formula, has been recommended by the Public Health Improvement Plan Data Advisory Panel as an appropriate method for calculating confidence intervals, which measure expected fluctuations. The Ury-Wiggins formula provides a close approximation of Poisson-based confidence intervals.

To increase the stability of the rate, we can combine several years of data (as long as there is no strong temporal trend in rates) or we can group several counties in the same geographic area or with similar population characteristics.

Using this series of questions, the beginning user should be able to extract data in a useful and accurate manner from the tables in this report.

Other Areas to Consider

1. Confidentiality: All of the data in this report are presented in aggregate form, which means that individuals cannot be identified from the data. However, it is important for potential data users to be aware of confidentiality issues related to the data. The medical and health information on birth and fetal death certificates is confidential and may not be linked to any identifying information except for research projects approved by the Human Research Review Board of the Department of Social and Health Services and the Department of Health. (The sample certificates in the Appendix define what's in the confidential section.) Also, the parents' Social Security numbers collected on birth certificates can only be used by Support Enforcement; by law they cannot be released to anyone else, for any other purposes (RCW 70.58.080, subsection 3).

Some death data (particularly causes of death such as suicide and AIDS), while not confidential by law, are extremely sensitive. It is the responsibility of all data users to release these data only in a way that individuals may not be identified. In small areas, publishing cross tabulations of data (such as age by sex by cause of death) may be sufficient to identify an individual, even without names being used. **If we expect providers to continue furnishing accurate and complete data, we must all be sure that every effort is made to protect these data from unwarranted and inappropriate release.**

2. Data quality: Conclusions are only as good as the data which go into making them. Vital statistics data quality has three major components: completeness, accuracy, and timeliness. Are vital statistics complete, i.e., do we have a record for each vital event? According to National Center for Health Statistics (NCHS) studies, registration of births and deaths is currently better than 99% complete. Registration completeness may be slightly lower for births or infant deaths occurring outside of a hospital or for vital events among people of color. Also, some records come in after the statistical cutoff date and thus are not included in the data presented in this report.

Vital statistics may be complete, but are they accurate? Accuracy encompasses several standards of data quality, including validity, completeness, precision, and reliability. A particular statistics is considered valid if it measures what is actually happening. A previous study of birth certificate data quality conducted by the Center for Health

Statistics showed that accuracy of the item varied with the type of item. Legal information (e.g., names, addresses, ages) is very accurately reported. Unfortunately, medical information (e.g., menses date, prior pregnancy outcomes, complications, and malformations) is less accurate, having error rates of 5-20%.

To improve data quality, both birth and death certificates are edited for accuracy of the data. Where possible, data are checked to see if they are within a reasonable range of values (e.g., mother's age must be 8-59, with warning notices for ages <14 or >49). Data are also checked to see if there is internal consistency between items (e.g., a person cannot have >1 year of college education if he/she is <16 years old). Those who complete death certificates are queried if there is not enough information to establish an accurate and specific cause of death.

A factor that affects the completeness of the data is the number of unknowns among responses. Sometimes providers do not complete all items on a certificate. The information may be overlooked or refused by the informant, or the informant may not have been asked for the data. Missing data decrease the overall accuracy of an item because we don't know where they fit (e.g., are smokers less likely to respond to a question on smoking?). Querying for missing data can help to provide more information. Also, the new Electronic Birth Certificate (EBC) system makes it more difficult to enter "unknown" into the record.

Finally, are vital statistics timely, i.e., are they registered early enough so that the data are available when needed to be most useful for planning and program assessment purposes? There is often a tradeoff between timeliness and accuracy. For example, if birth certificates are filed quickly, there may not be enough time for malformations or complications (such as fetal alcohol syndrome) to become evident. Similarly, if death certificates are filed quickly, there may not be time for autopsy results to be incorporated into the cause of death data. Nevertheless, it is still critical to have timely data, even if it means querying cases where information seems to be missing, or accepting the limitations of certain data items. Efforts to improve the timeliness of the data primarily involve streamlining the reporting process, such as by electronic reporting of birth data directly to the Center.

The Center for Health Statistics has a field program aimed at improving and assuring data quality, particularly by training data providers in how to complete vital statistics certificates. For more information, see the Center's publication *Handbook on Birth and Fetal Death Registration* updated in July 1994.

Analysis



Analysis

Nativity: Relation to Education

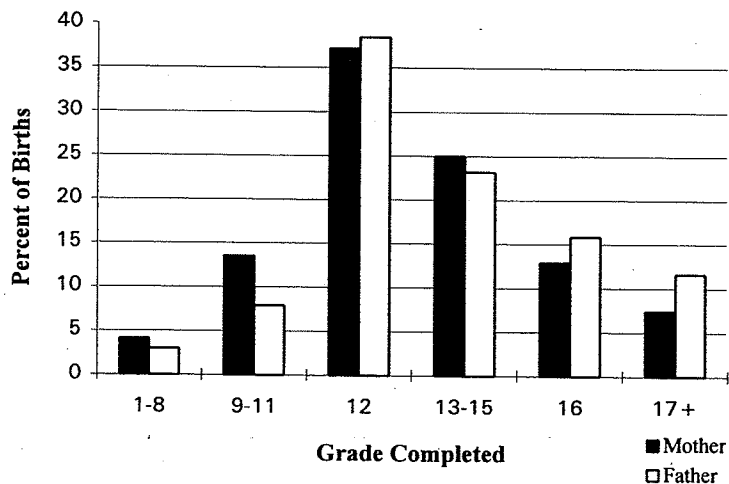
Education is currently the best and most practical measure of socioeconomic status available on birth certificates.¹ Education is easier to define and classify than some common measures such as occupation and easier to collect than other measures such as income. Knowing the educational level of high-risk groups (such as maternal smokers) also helps health promotion programs to provide appropriate, understandable health education materials to these groups.

Historically, Washington State has been one of the few states not to include parents' education on the birth certificate because a state law (RCW 70.58.200) specifically prohibited the collection of such data. With the revision of this law in 1991, the Center for Health Statistics was able to add education of the parents to the 1992 revision of the Washington State birth certificate. This analysis section presents the first data available on parents' education in Washington State, shows how the data can be used to increase our knowledge about high-risk groups, and describes some limitations which should be considered in using these data.

Educational levels

The most common educational level reported at birth for fathers and mothers (about 40%) is high school graduation (Figure 1). An additional

Figure 1. Parents' Educational Levels
Births to Residents, Washington State, 1992

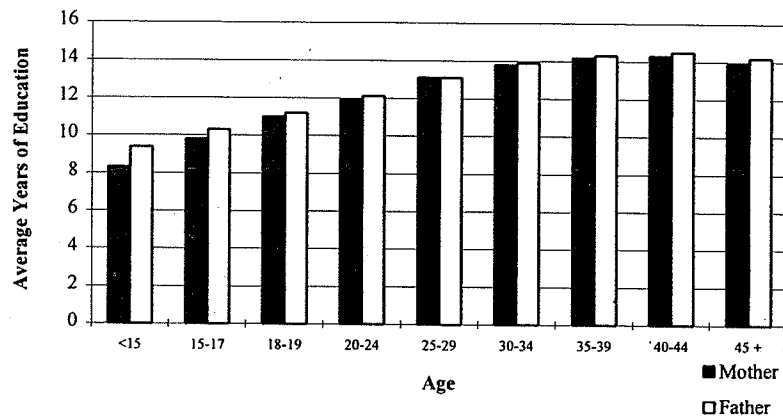


¹Centers for Disease Control and Prevention. Use of race and ethnicity in public health surveillance. Summary of the CDC/ATSDR Workshop. *MMWR* 1993;42 (No. RR-10):16.

45 percent of mothers and 51 percent of fathers have completed at least some years of college. The distribution of educational levels is very similar for both mothers and fathers, but mothers tend to have somewhat less education on the average, possibly because they are younger.

Figure 2 shows the relation between age and education for mothers and fathers. The average years of education increases sharply with age until about age 30, for both mothers and fathers. Because age and education are so strongly related, any time characteristics or risk factors are examined by educational level, age should also be considered in the analysis. The next two sections show how age and education data can be analyzed together, using a comparison with the general population and maternal smoking as examples.

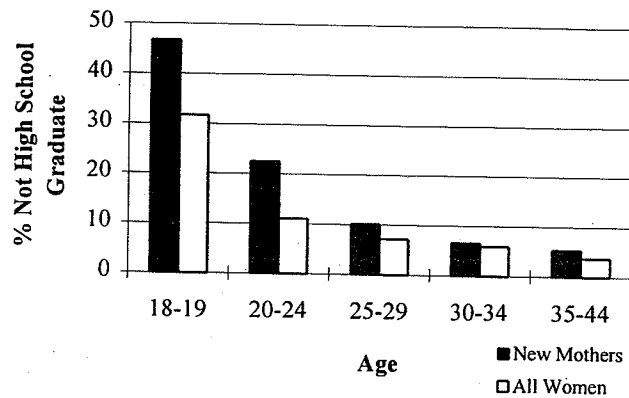
Figure 2. Parents' Education by Age
Births to Residents, Washington State, 1992



Comparison with the general population

New mothers are a subgroup of women in the general population. Thus it is logical to ask how educational levels of these new mothers compare to those for women of the same age in the general population. This comparison is shown in Figure 3. Population data were taken from the 1987-92 Washington State Behavioral Risk Factor Surveillance System (BRFSS), a telephone survey among a random sample of (about 2,400 per year) Washington State residents aged 18 and over. As Figure 3 shows, young mothers are much less likely to have graduated from high school, compared to the general population. It is not possible to determine with these preliminary data whether or not some of these recent mothers are still in school and will eventually finish or whether they have dropped out of school either before, or because of the pregnancy. Because of its speculative nature, the analyses presented here are intended primarily to show how education data may be useful for exploratory analysis.

Figure 3. Education of New Mothers vs. All Women by Age Residents, Washington State, 1992

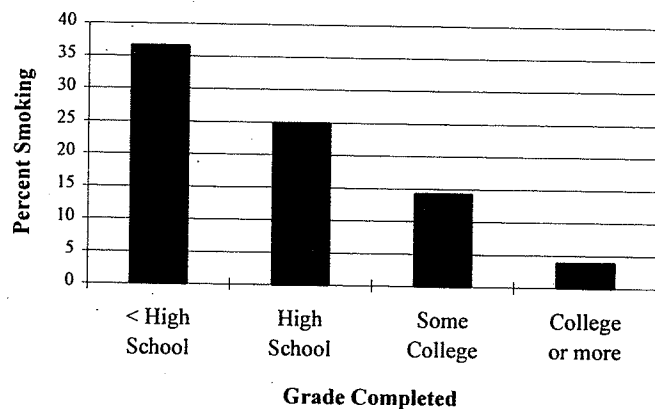


Maternal smoking during pregnancy

Smoking cessation services should be an important part of prenatal care for women who smoke, because infants born to women who smoke during pregnancy are more likely to have low birth weight and to die in infancy. Data on characteristics of women who smoke during pregnancy (such as age and education) are very useful in planning effective smoking cessation programs.

Figures 4A and 4B show the percent of women who smoke during pregnancy by education and age. These data show a striking decrease in smoking with increasing education. Smoking by pregnant women also decreases with increasing age, after peaking at ages 18-19.

Figure 4a. Maternal Smoking During Pregnancy by Education Births to Residents, Washington State, 1992



Which variable, education or age, is better at predicting smoking status? Because education and age are so strongly related (Figure 2), this question

can only be answered by examining the combined effect of education and age on smoking status.

**Figure 4b. Maternal Smoking During Pregnancy by Age
Births to Residents, Washington State, 1992**

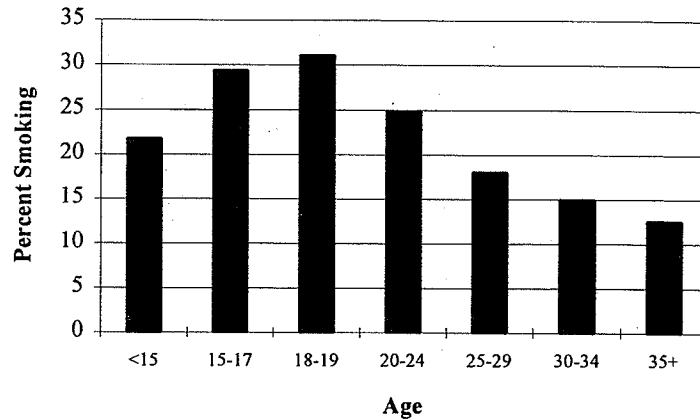
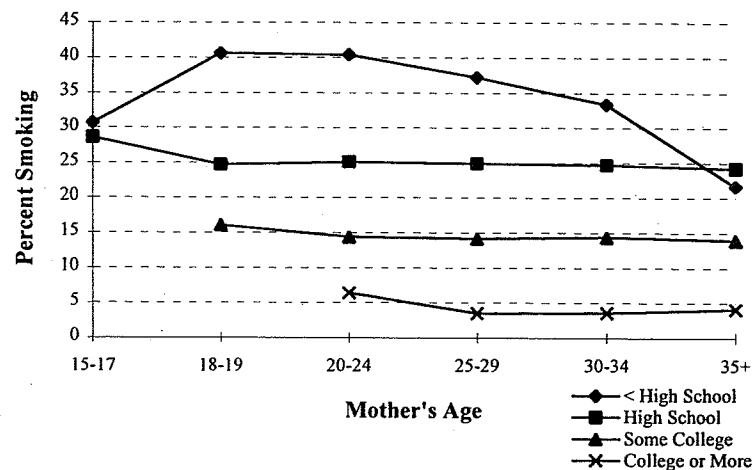


Figure 5 shows maternal smoking by age for different education groups. Within each education group (except the lowest), the percent of mothers smoking is nearly the same for each age group. Thus, the lower levels of smoking among older mothers, as compared to younger mothers, reflects their higher educational level rather than their increased age, i.e., education appears to be a stronger predictor of smoking status than age.

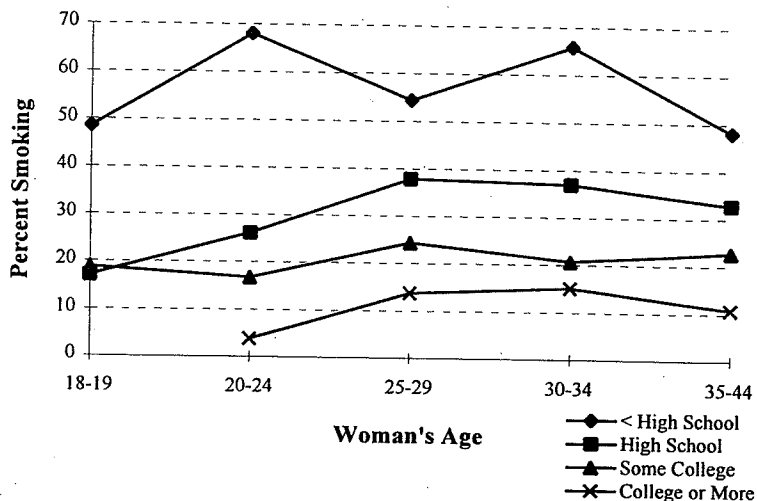
**Figure 5. Maternal Smoking During Pregnancy by Age and Education
Births to Residents, Washington State, 1992**



Why are women with less education more likely to smoke during pregnancy? One possible explanation is that less educated women in the general population are more likely to smoke than other women are. Figure 6 presents BRFSS data on smoking patterns by education for women in the Washington State general population, which can be used to provide a context for understanding patterns of maternal smoking during pregnancy.

BRFSS data for 1987-92 (sample size totals 6,081 women for these six years) show that women with less education are more likely to be smokers.

Figure 6. Smoking by Age and Education, All Women Behavioral Risk Factor Survey, Washington State, 1987-92



Women with less education are more likely to smoke and they continue to smoke during pregnancy, but at a lower level than women with more education. These data suggest that smoking cessation programs which target pregnant women appear to be working. There is still room for improvement especially since tobacco companies target women, particularly young women with high school education or less, in their marketing campaigns.² The economic disadvantage faced by women with less education may tend to be compounded by the fact that they are more likely to smoke, which causes more health problems both for themselves and for their infants and increases their need for health services which they may not be able to afford.

Considerations

This initial look at education data from the birth certificate suggests that education may be an important indicator of potential health and economic problems. However, this analysis is only superficial at present. Several factors still need to be considered:

1. For risk factors such as smoking, education may be a surrogate measure of some other characteristic, such as poverty, which would be more important for programs to address;

²V.L. Ernster, "Women and Smoking" (editorial), American Journal of Public Health 83(9) 1202-1204 (1993).

2. More highly educated mothers may feel greater pressure to give the "correct" answer (i.e., "no") when asked about smoking during pregnancy (or in general);
3. Other factors such as race have not yet been included in the analysis;
4. Missing data may affect the results, as mothers who do not give their education on the birth certificate may be different from mothers who do; and
5. The accuracy of education data has not yet been assessed because it is a new item. A data quality study will be done in the near future.

Mortality: Relation to Education

Education is a social characteristic that may be useful for understanding mortality patterns. Health status and behaviors such as smoking that increase a person's risk of dying may be related to educational level³ or to socioeconomic status, which is most easily measured by educational level. Knowledge about the nature of the association between education and mortality risks may inform programs designed to promote health and prevent injury. Such information may also help public health officials target risk-reduction programs according to the educational level of groups at risk.

An item measuring education was added to the Washington State death certificate in 1989. At the certificate revision hearing, data users (e.g., researchers) advocated collecting "years of education completed," as an important risk indicator. Data providers (e.g., funeral directors) made a case against collecting education data based on the burden imposed on the next of kin, who would be asked to provide the information. As a compromise, the education item was limited to a simpler question: high school graduate, yes/no? In 1992, after four years of collecting limited education data without apparent problems, the item was expanded to collect years of education completed, consistent with the national standard. This analysis section presents data from the expanded 1992 education item, shows how the data can be used to study risk factors, and describes special considerations to be made when using these education data.

Educational levels

The most common educational level noted on death certificates for both men and women is high school graduation, which is reported for about 40 percent of decedents (Figure 7). Most decedents are older and higher

³F. Frost, K. Tollestrup, and P. Starzyk. "Who Smokes During Their Last 15 Years of Life: History of Smoking from the Washington State Death Certificate," *American Journal of Preventive Medicine* (in press).

education was not as common when they were school age. Thus, the second most common educational level for decedents is an eighth grade education or less, accounting for about 20 percent of the deaths.

**Figure 7. Education of Decedent by Sex
Deaths to Residents, Washington State, 1992**

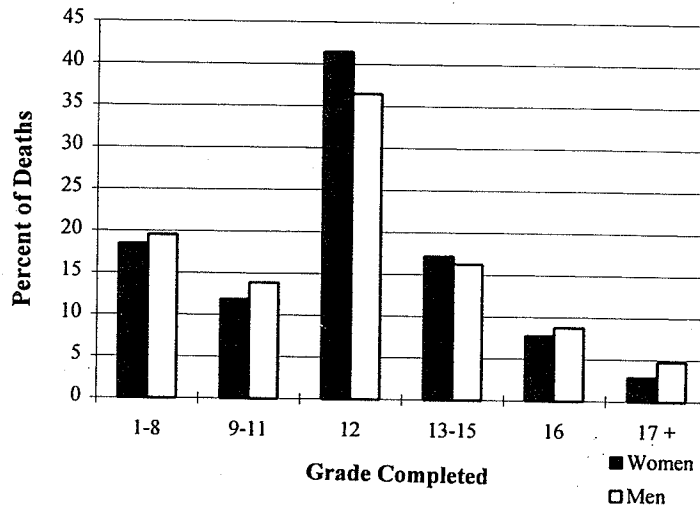
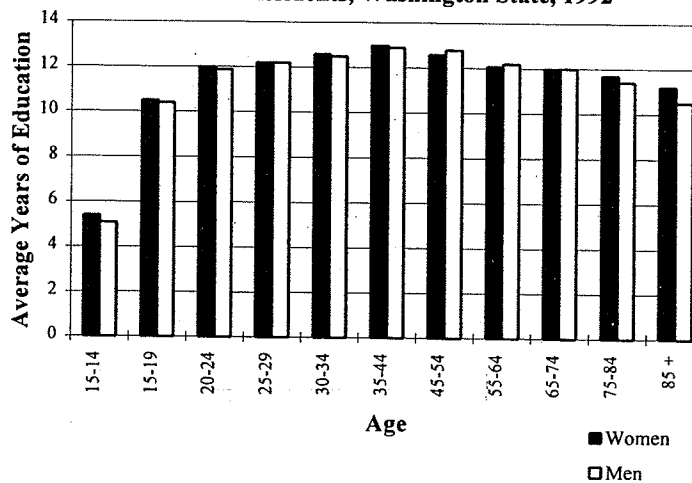


Figure 8 shows that educational level is dependent on age, as expected. The average years of education increases with increasing age, but only until the middle 40's, after which it decreases somewhat. Similar patterns are found for both men and women.

**Figure 8. Education of Decedent by Age
Deaths to Residents, Washington State, 1992**

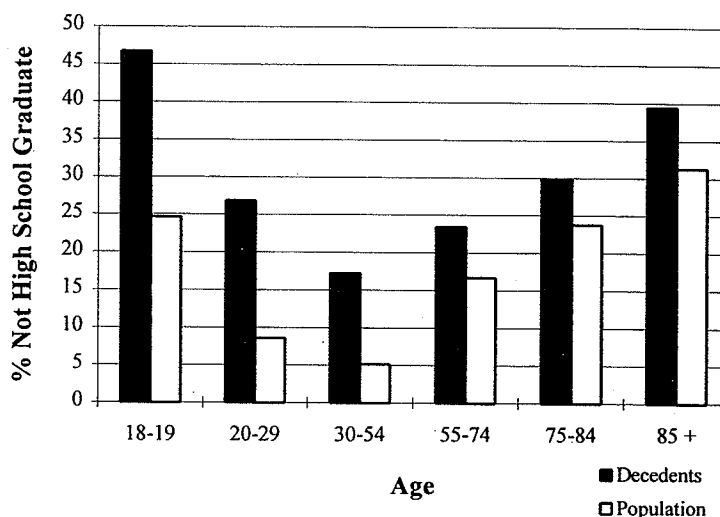


Because age and education are so strongly associated, it is important to examine whether any differences found in educational level between two groups could be due simply to one group being older or younger than the

other. This consideration is particularly relevant for deaths, where characteristics such as death rates and causes of death are strongly dependent on age. Thus, differences in death rates for people of different education may be misleading if age is not also considered in the analysis.

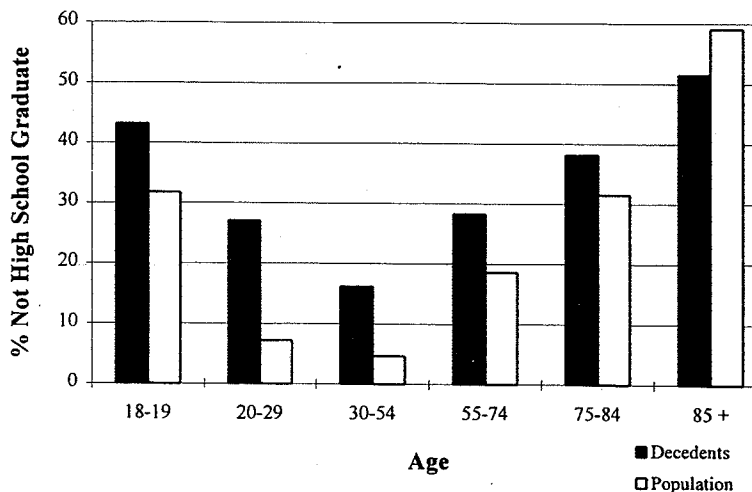
Figures 9a and 9b show high school graduation by age for deaths, compared to the general population using population estimates based on BRFSS. For each age group and both sexes (except men aged 85 and over), decedents are considerably less likely to have graduated from high school compared to the general population, suggesting that death rates are

**Figure 9a. Education of Decedents by Age
Female Residents, Washington State, 1992**



higher among those with less education. The difference is particularly striking for those who die at ages 20-54; they are three times less likely to have graduated from high school, compared to the general population.

**Figure 9b. Education of Decedents by Age
Male Residents, Washington State, 1992**

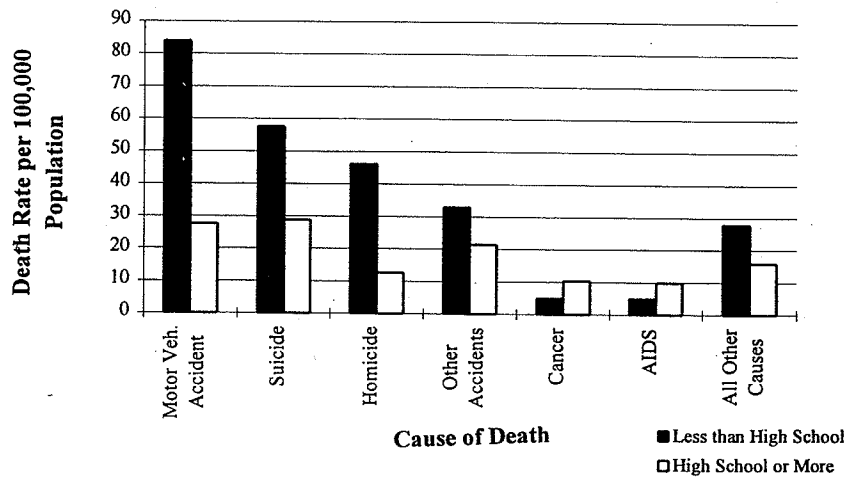


In the preceding analysis, education is likely to be an indicator of socioeconomic status (SES), lifestyle, or other health-related factors, rather than a risk factor in itself. People with lower SES may have lower health status, may be exposed to higher risk for accidents, may have less knowledge of how to prevent health problems, and/or may be less able to use health systems to get assistance.

Cause of Death

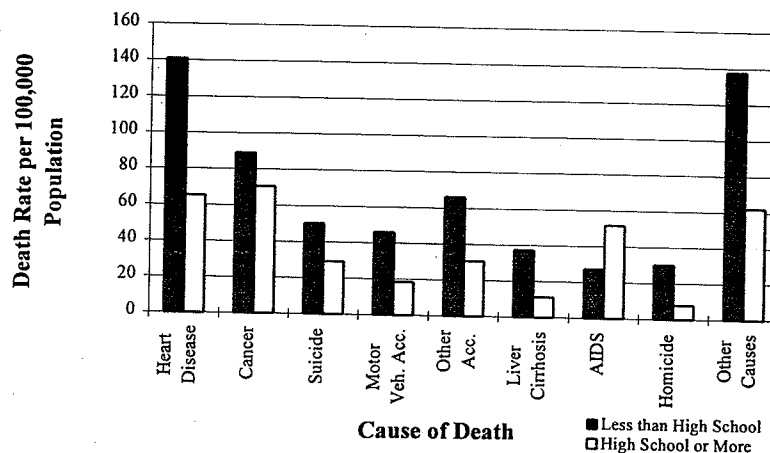
Cause of death data can help to identify factors associated with premature mortality. Identifying these factors seems particularly important to explain premature mortality of people with less education, who appear to have high death rates. Figure 10a and 10b show the death rates for major causes of death by education for men aged 20-29 and 30-54, the two groups with the greatest discrepancy in educational level between deaths and the state's population.

**Figure 10a. Causes of Death by Education of Decedent
Male Residents Aged 20-29, Washington State, 1992**



Decedents with less than a high school education have much higher death rates from motor vehicle accidents, homicide, and cirrhosis of the liver, compared to those who have graduated from high school. On the other hand, men with less education in both age groups considered have lower death rates due to cancer and those with less education aged 20 to 29 also have lower rates due to AIDS. Further work, including applying standard tests of statistical significance, is needed to determine if the differences in death rates observed are statistically meaningful and, if so, what would account for such differences.

**Figure 10b. Causes of Death by Education of Decedent
Male Residents Aged 30-54, Washington State, 1992**



The relation between education on cause of death is a complex one which involves many other social, economic, demographic, and environmental factors not examined here. The analysis of this relationship, however, has served to demonstrate the importance of considering education when studying factors that may influence premature mortality.

Considerations

This initial look at the data suggests that education is an important indicator of health factors. This is only a preliminary analysis, however, and several factors still need to be considered:

1. Education is most likely an indicator of some other characteristic (e.g., poverty/economic status or lifestyle habits) which public and private health programs need to address in efforts to prevent premature mortality. However, even if it is only a surrogate measure, it is still useful because it is easy to measure and it defines populations in a way that programs could easily target their message (e.g., potential high school dropouts);
2. Other factors such as race and smoking have not been considered.
3. Missing values may affect the results because decedents for whom education is not given on the death certificate may be different from for whom education is specified;
4. The accuracy of the expanded education item has not yet been assessed. A data quality study will be done in the near future.

Natality 1992



Table 2. Births by Selected Topics, 1992

A. Residence, Mother's Race by Sex

Race	Total	Male	Female
Total	79,405	40,945	38,460
White	68,212	35,158	33,054
African American	3,037	1,554	1,483
Native American	1,658	848	810
Japanese	265	127	138
Chinese	404	229	175
Filipino	881	457	424
Other Asian	2,859	1,483	1,376
Other	37	20	17
Unknown	2,052	1,069	983
Hispanic ¹	7,168	3,613	3,555

B. Residence, Child's Race by Sex

Race	Total	Male	Female
Total	79,405	40,945	38,460
White	66,014	33,982	32,032
African American	4,102	2,111	1,991
Native American	1,965	1,020	945
Japanese	337	173	164
Chinese	446	255	191
Filipino	890	457	433
Other Asian	3,270	1,706	1,564
Other	46	28	18
Unknown	2,335	1,213	1,122
Hispanic ²	9,158	4,635	4,523

C. Residence, Mother's Age Group by Sex

Age	Total	Male	Female
Total	79,405	40,945	38,460
Under 15	125	57	68
15 - 17	3,112	1,602	1,510
18 - 19	5,335	2,784	2,551
20 - 24	20,481	10,414	10,067
25 - 29	23,182	11,980	11,202
30 - 34	18,236	9,470	8,766
35 - 39	7,553	3,944	3,609
40 - 44	1,249	618	631
45 and Over	51	30	21
Unknown	81	46	35

D. Residence, Order of Birth to Mother

Order at Birth	Number	Percent ³
Total	79,405	100%
1st Child	31,968	40.3
2nd Child	25,717	32.4
3rd Child	12,468	15.7
4th Child	4,919	6.2
5th Child	1,817	2.3
6th Child	780	1.0
7th Child	373	0.5
8th Child	163	0.2
9th Child	93	0.1
10th or more	109	0.1
Unknown	998	1.3

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E. Residence, Maternal Smoking

Maternal Smoking	Number	Percent ³
Total	79,405	100%
Yes	15,311	19.3
No	61,686	77.7
Unknown	2,408	3.0

¹Hispanic Origin is considered an ethnicity rather than a race. Births to mothers of Hispanic Origin are also counted under the race of the mother. See Appendix A, "Hispanic Origin."

²Births concerning children of Hispanic Origin are also counted under the race of the child. See Appendix A, "Hispanic Origin."

³Detail may not add to 100% due to rounding.

Table 2. Births by Selected Topics, 1992

F. Residence and Occurrence, Birth Weight in Grams by Sex

Gram Weight	Residence			Occurrence		
	Total	Male	Female	Total	Male	Female
State Total	79,405	40,945	38,460	78,023	40,203	37,820
1,000 and under	336	175	161	327	166	161
1,001 - 1,500	350	171	179	339	166	173
1,501 - 2,000	829	431	398	825	421	404
2,001 - 2,500	2,704	1,211	1,493	2,642	1,181	1,461
2,501 - 3,000	10,469	4,621	5,848	10,306	4,551	5,755
3,001 - 3,500	27,818	13,290	14,528	27,367	13,043	14,324
3,501 - 4,000	26,025	14,199	11,826	25,547	13,944	11,603
4,001 - 4,500	8,862	5,464	3,398	8,704	5,376	3,328
4,501 and over	1,903	1,320	583	1,866	1,296	570
Not Stated	109	63	46	100	59	41

G. Residence and Occurrence, Live Births and Fetal Deaths by Month

Month	Live Births		Fetal Deaths	
	Residence	Occurrence	Residence	Occurrence
Total	79,405	78,023	450	466
January	6,308	6,214	31	33
February	6,181	6,094	30	31
March	6,856	6,731	44	45
April	6,708	6,584	40	43
May	7,343	7,217	47	47
June	6,804	6,688	40	41
July	6,971	6,848	39	44
August	6,810	6,677	46	47
September	6,641	6,530	33	34
October	6,356	6,242	28	28
November	6,032	5,920	41	41
December	6,395	6,278	31	32

Table 2. Births by Selected Topics, 1992

H. Occurrence, Primary Method of Birth Delivery by Obstetric Procedures

Method of Delivery	Total	None	Electronic			Stimulation		Toco- lysis	Ultra- sound	Other	Unk
			Amnio- centesis	Fetal onitoring	Induction of Labor	of Labor					
Total	78,023	308	4,102	53,907	12,001	10,714	2,571	46,509	3,157	93	
Vaginal Delivery	60,603	57	2,351	41,872	9,304	8,364	1,822	34,854	2,354	90	
Vaginal Del. After Prev. C-Section	2,419	0	143	1,949	495	479	78	1,575	103	0	
Primary C-Section	8,393	2	689	6,299	1,707	1,456	472	5,831	479	0	
Repeat C-Section w/o Trial Labor	2,285	2	228	1,579	270	214	96	1,640	80	0	
Repeat C-Section With Trial Labor	2,779	2	291	1,534	48	17	68	1,985	91	0	
Outlet Forceps	225	0	15	194	61	67	13	166	20	0	
Vacuum Extraction	412	0	22	321	81	92	15	278	16	0	
Unknown	907	245	363	159	35	25	7	180	14	3	

I. Occurrence, Type of Place

Type of Place	Number	Percent ¹
Total	78,023	100%
General Hospital	72,650	93.1
Federal Facility	3,825	4.9
Home	1,212	1.6
Birth Center	207	0.3
Clinic/Doctor's Office	54	0.1
Born on Arrival	45	0.1
Unknown	30	0.0

J. Residence, Attendant at Birth

Attendant at Birth	Number	Percent ¹
Total	79,405	100%
MD	69,874	88.0
Certified Midwife	4,339	5.5
Osteopath	1,986	2.5
Licensed Midwife	875	1.1
Nurse	239	0.3
Other Midwife	91	0.1
Hospital Administrator	59	0.1
Father	35	0.0
Other	1,696	2.1
Unknown	211	0.3

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¹Detail may not add to 100% due to rounding.

Table 3. Live Births to Residents by Birth Weight in Grams by Mother's Race, 1992

Birth Weight in Grams	Total	African		Native		Other					Hispanic ¹
		White	Amer.	Amer.	Japanese	Chinese	Filipino	Asian	Other	Unk	
State Total	79,405	68,212	3,037	1,658	265	404	881	2,859	37	2,052	7168²
1,000 and under	336	263	40	9	0	1	2	8	0	13	31
1,101 - 1,500	350	288	35	4	0	2	3	14	0	4	26
1,501 - 2,000	829	664	79	24	3	2	19	24	0	14	63
2,001 - 2,500	2,704	2,161	211	62	12	15	38	127	0	78	242
2,501 - 3,000	10,469	8,456	637	185	56	72	197	590	8	268	1,086
3,001 - 3,500	27,818	23,501	1,129	609	121	192	356	1,174	12	724	2,821
3,501 - 4,000	26,025	23,072	680	533	60	93	209	696	13	669	2,167
4,001 - 4,500	8,862	8,014	187	181	11	24	47	182	3	213	603
4,501 and over	1,903	1,721	25	50	2	3	7	41	1	53	113
Not Stated	109	72	14	1	0	0	3	3	0	16	16

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Table 4. Live Births to Residents by Birth Weight in Grams by Child's Race, 1992

Birth Weight in Grams	Total	African		Native		Other					Hispanic ¹
		White	Amer.	Amer.	Japanese	Chinese	Filipino	Asian	Other	Unk	
State Total	79,405	66,014	4,102	1,965	337	446	890	3,270	48	2,333	9158³
1,000 and under	336	261	38	10	1	1	2	6	1	16	38
1,101 - 1,500	350	281	38	5	0	2	2	13	0	9	38
1,501 - 2,000	829	635	89	30	4	3	16	30	0	22	78
2,001 - 2,500	2,704	2,090	230	79	13	18	32	134	1	107	315
2,501 - 3,000	10,469	8,160	783	223	59	78	189	629	10	338	1,374
3,001 - 3,500	27,818	22,631	1,538	732	151	200	361	1,344	17	844	3,551
3,501 - 4,000	26,025	22,407	1,004	621	89	113	233	826	15	717	2,801
4,001 - 4,500	8,862	7,793	321	209	15	28	46	234	4	212	800
4,501 and over	1,903	1,684	47	55	5	3	7	51	0	51	145
Not Stated	109	72	14	1	0	0	2	3	0	17	18

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Table 5. Live Births to Residents by Birth Weight in Grams by Mother's Age, 1992

Birth Weight in Grams	Total	Under								45 and Over	Age Unk
		15	15-17	18-19	20-24	25-29	30-34	35-39	40-44		
State Total	79,405	125	3,112	5,335	20,481	23,182	18,236	7,553	1,249	51	81
1,000 and under	336	1	29	32	76	69	86	33	8	0	2
1,101 - 1,500	350	3	22	28	109	85	67	32	4	0	0
1,501 - 2,000	829	4	41	64	194	199	208	100	19	0	0
2,001 - 2,500	2,704	6	138	231	703	704	595	253	65	5	4
2,501 - 3,000	10,469	17	525	846	2,903	2,882	2,143	973	159	7	14
3,001 - 3,500	27,818	41	1,266	2,070	7,539	7,943	6,080	2,458	380	15	26
3,501 - 4,000	26,025	42	846	1,546	6,492	7,936	6,207	2,509	409	15	23
4,001 - 4,500	8,862	8	209	428	2,041	2,777	2,269	956	160	5	9
4,501 and over	1,903	2	32	85	392	560	559	228	40	4	1
Not Stated	109	1	4	5	32	27	22	11	5	0	2

¹Hispanic Origin is considered an ethnicity rather than a race.

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²Births to mothers of Hispanic Origin are also counted under the race of the mother. See Appendix A, "Hispanic Origin."

³Births concerning children of Hispanic Origin are also counted under the race of the child. See Appendix A, "Hispanic Origin."

Table 6. Live Births to Residents by Month Prenatal Care Began by Mother's Age, 1992

Month Care Began	All Ages	Under									45 & Over	Unk.
		15	15-17	18-19	20-24	25-29	30-34	35-39	40-44			
State Total	79,405	125	3,112	5,335	20,481	23,182	18,236	7,553	1,249	51	81	
First	14,034	10	236	438	2,953	4,540	3,936	1,663	234	11	13	
Second	28,898	17	734	1,532	6,942	9,015	7,147	3,010	469	15	17	
Third	17,303	32	667	1,342	4,689	4,940	3,826	1,509	270	11	17	
Fourth	6,727	24	499	713	2,138	1,617	1,164	469	93	3	7	
Fifth	3,511	17	337	445	1,124	806	544	190	42	5	1	
Sixth	1,990	8	183	265	679	472	259	99	20	2	3	
Seventh	1,329	4	139	162	455	286	170	89	20	1	3	
Eighth	841	4	79	126	278	182	107	54	10	0	1	
Ninth +	373	0	35	36	123	84	69	20	4	0	2	
No Care	490	3	50	56	154	101	69	42	11	2	2	
Unknown	3,909	6	153	220	946	1,139	945	408	76	1	15	

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Table 7. Live Births to Residents by Number of Prenatal Visits by Month Care Began, 1992

Number of Prenatal Visits	Total	Month Care Began				No Care	Unknown
		1 - 3	4 - 6	7 - 9+			
Total	79,405	60,235	12,228	2,543	490	3,909	
9 or More	61,022	53,229	7,082	367	0	344	
5 - 8	10,308	4,872	4,237	1,088	0	111	
1 - 4	2,285	476	701	1,038	0	70	
No Visits	505	4	1	1	490	9	
Unknown	5,285	1,654	207	49	0	3,375	

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Table 8. Live Births, County of Residence by County of Occurrence, 1992

County of Residence ²	County of Occurrence ¹															
	King	Pierce	Spokane	Snohomish	Yakima	Kitsap	Thurston	Benton	Clark	Whatcom	Skagit	Chelan	Cowlitz	Walla Walla	Island	Grant
King	27,029	667	7	271		4	6		1	2	2		9	1		1
Pierce	1,076	9,069	4	2		34	46		1	1	1			1		
Snohomish	2,628	8	1	5,344	1	3		1	1	5	106		1		4	
Spokane	6	1	3,467	2	1			4								1
Yakima	18	3	2	3	3,934			294		1				1		1
Clark	4	4			1		2	1	2,428				25			
Kitsap	282	411	3	9		2,836	1			1	1	1				
Thurston	28	338	1	1		1	1,994			1			2			
Benton	4	1	9	1	58		1	1,706	1	1		1		2		1
Whatcom	39	2		5			1		1,737	35		2		3		
Skagit	38	1		37			1			25	217				25	
Cowlitz	2	7					1		37				1,120			
Grant	4		44	1	21			13	1	1		105				738
Island	41	21		75	1	2				3	127				797	
Chelan	27		2		1							956				1
Franklin	2		6	1	1			501					1			
Grays Harbor	20	21		1		1	248		2							
Lewis	9	17			1		152	1	1				41			
Walla Walla	2	1	5		3	1		30						670		
Clallam	32	4		2	1	1										
Okanogan	6		35	1	1			1			1	11				
Mason	11	42			1	91	189									
Stevens			175													
Douglas	7		2	1	1	1		1				334				2
Whitman		1	56		1	1		1								
Kittitas	22		3	1	32											2
Adams			27		1			15								46
Asotin			3					1								
Klickitat	1				8			1	1							
Jefferson	17	2				27	1				1			1		
Pacific	4	1		1			8		1				3			
Pend Oreille		1	74													1
San Juan	7	3		3						4	84					
Lincoln		1	61					1		1						4
Ferry			18													2
Skamania									17							
Columbia			3										1	44		
Wahkiakum													24			
Garfield			1													
Out of State Occurrence	68	39	237	7	8	3	1	43	41	7	2	3	145	226	4	
Total Cumulative	26,434	10,666	6,246	5,769	4,127	3,006	2,652	2,615	2,534	1,790	1,577	1,411	1,374	946	833	800
Percent ³	32.9	46.2	54.0	61.1	66.3	70.0	73.3	76.6	79.7	82.0	83.9	85.7	87.4	88.6	89.6	90.6

¹Counties in columns are ranked based on total births by place of occurrence. The following counties are not shown since the number of births occurring there was less than five: Asotin (0), Columbia (0), Douglas (4), Garfield (0), Skamania (1), and Wahkiakum (0).

²Counties in rows are ranked based on total births by mother's residence.

³32.9 percent of all births statewide occurred in King County alone, 46.2 percent occurred in King and Pierce counties, and so forth.

Table 8. Live Births, County of Residence by County of Occurrence, 1992

	County of Occurrence ¹																	Residence Total		
	Lewis	Clallam	Grays Harbor	Franklin	Okanogan	Adams	Whitman	Stevens	Kittitas	Klickitat	Mason	Jefferson	Pacific	Pend Oreille	Lincoln	Ferry	San Juan		Out-of-State	
1			1	1		1			2									43	23,049	
2	2			1							1							17	10,258	
	1								1									8	8,113	
							1	1						1				32	5,517	
1			2	1	1				3	3								9	4,327	
																		1,554	4,019	
1											1							10	3,557	
69			1															4	2,440	
			132	1	1				1									9	1,930	
																		5	1,830	
																		1	1,345	
3											1							69	1,240	
			2	8	179				4									4	1,125	
																		3	1,070	
				11														1	999	
			423		41	1												2	979	
25	2	581									4		29					1	935	
609							1											2	834	
			10															5	727	
	620											2						1	663	
				472														3	531	
		1								169								1	505	
						1	262								2			1	441	
				61															414	
						291												37	388	
						1			246										307	
			7		186		2											1	285	
							9												270	283
										165									61	237
	30	6									1	146							232	
7		45		1									69					83	223	
								13						40				9	138	
												1					10	2	114	
								1							20				89	
				5			42								2	17		1	87	
										27								32	77	
																		2	50	
								3										3	27	
3	3		6				37	1	1	28	1			5	1			16	20	
721	658	635	584	560	410	345	321	258	223	177	150	98	46	25	17	10	2,302	80,325		
91.5	92.3	93.1	93.8	94.5	95.0	95.5	95.9	96.2	96.5	96.7	96.9	97.0	97.1	97.1	97.1	97.1	97.1	100.0		

Note: Cells in table are shaded when county of residence and county of occurrence are the same.

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Table 9. Live Births by Place of Residence by Sex and by Place of Occurrence, 1992

County and City	Residence				Occurrence	
	Number	Rate ¹	Male	Female	Number	Rate ¹
State Total	79,405	15.5	40,945	38,460	78,023	15.2
Adams	285	20.2	141	144	410	29.1
Asotin	283	15.7	144	139	0	0.0
Benton	1,930	16.3	1,001	929	2,615	22.1
Kennewick	819	18.4	409	410	1,048	23.6
Richland	447	13.3	253	194	1,145	34.1
Chelan	999	18.3	502	497	1,411	25.8
Wenatchee	496	21.8	241	255	1,294	57.0
Clallam	663	11.1	350	313	658	11.0
Port Angeles	231	12.8	113	118	569	31.6
Clark	4,019	15.6	2,056	1,963	2,534	9.8
Vancouver	1,171	24.7	608	563	2,506	52.9
Columbia	50	12.5	27	23	0	0.0
Cowlitz	1,240	14.7	636	604	1,374	16.3
Longview	514	16.0	261	253	1,369	42.7
Douglas	414	14.8	196	218	4	0.1
Ferry	87	13.0	41	46	17	2.5
Franklin	979	25.0	504	475	584	14.9
Pasco	654	31.4	343	311	580	27.8
Garfield	20	8.7	12	8	0	0.0
Grant	1,125	19.3	593	532	800	13.7
Grays Harbor	935	14.3	485	450	635	9.7
Aberdeen	277	16.7	149	128	622	37.4
Island	1,070	16.5	549	521	833	12.9
Oak Harbor	485	26.4	243	242	538	29.3
Jefferson	232	10.3	126	106	150	6.7
King	23,049	14.7	11,946	11,103	26,434	16.9
Auburn	677	19.8	350	327	873	25.5
Bellevue	1,082	12.2	534	548	2,595	29.3
Des Moines	180	9.9	100	80	3	0.2
Federal Way	1,238	17.1	625	613	1,646	22.8
Kent	1,160	28.8	614	546	44	1.1
Kirkland	758	18.3	395	363	2,412	58.3
Mercer Island	139	6.6	70	69	3	0.1
Redmond	595	15.2	280	315	1,191	30.5
Renton	804	18.7	412	392	3,158	73.3
Sea Tac	92	4.0	44	48	4	0.2
Seattle	6,847	13.1	3,552	3,295	14,050	26.9
Kitsap	3,557	17.3	1,844	1,713	3,006	14.6
Bremerton	1,099	28.2	576	523	2,708	69.5
Bainbridge Island	31	1.8	14	17	0	0.0
Kittitas	307	11.0	152	155	258	9.3
Klickitat	237	13.9	118	119	223	13.0

Table 9. Live Births by Place of Residence by Sex and by Place of Occurrence, 1992

County and City	Residence				Occurrence	
	Number	Rate ¹	Male	Female	Number	Rate ¹
Lewis	834	13.6	447	387	721	11.7
Lincoln	89	9.9	53	36	25	2.8
Mason	505	12.3	257	248	177	4.3
Okanogan	531	15.4	255	276	560	16.3
Pacific	223	11.5	110	113	98	5.1
Pend Oreille	138	14.7	72	66	46	4.9
Pierce	10,258	16.4	5,327	4,931	10,666	17.1
Puyallup	446	17.6	225	221	1,387	54.6
Tacoma	3,370	18.8	1,725	1,645	8,437	47.1
San Juan	114	10.1	52	62	10	0.9
Skagit	1,345	15.7	679	666	1,577	18.4
Mount Vernon	399	20.4	189	210	1,041	53.2
Skamania	77	8.9	40	37	1	0.1
Snohomish	8,113	16.4	4,253	3,860	5,769	11.7
Edmonds	398	12.9	212	186	1,682	54.7
Everett	1,830	24.1	981	849	3,348	44.1
Lynnwood	692	23.8	348	344	54	1.9
Mountlake Terrace	290	14.6	169	121	5	0.3
Spokane	5,517	14.7	2,801	2,716	6,246	16.7
Spokane (City)	3,382	18.7	1,711	1,671	6,072	33.6
Stevens	441	13.7	221	220	321	10.0
Thurston	2,440	14.0	1,218	1,222	2,652	15.2
Lacey	275	12.9	137	138	6	0.3
Olympia	727	20.3	363	364	2,633	73.5
Wahkiakum	27	7.9	14	13	0	0.0
Walla Walla	727	14.4	395	332	946	18.7
Walla Walla (City)	469	16.7	257	212	945	33.6
Whatcom	1,830	13.3	925	905	1,790	13.1
Bellingham	684	12.6	341	343	1,768	32.6
Whitman	388	10.0	193	195	345	8.9
Pullman	196	8.5	94	102	307	13.2
Yakima	4,327	22.3	2,210	2,117	4,127	21.3
Yakima (City)	1,466	25.0	757	709	2,960	50.4

¹Rates per 1,000 population

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Table 10. Live Births by Mother's Age Group by Place of Residence, 1992

County and City	All Ages	Under								45 and Over	Age Unknown
		15	15-17	18-19	20-24	25-29	30-34	35-39	40-44		
State Total	79,405	125	3,112	5,335	20,481	23,182	18,236	7,553	1,249	51	81
Adams	285	0	24	15	95	71	61	13	5	1	0
Asotin	283	0	11	26	98	88	40	17	3	0	0
Benton	1,930	2	87	140	536	556	427	155	24	0	3
Kennewick	819	0	45	79	252	236	153	48	4	0	2
Richland	447	0	12	14	102	142	120	47	10	0	0
Chelan	999	1	70	76	282	281	184	90	13	1	1
Wenatchee	496	1	42	42	130	140	96	39	6	0	0
Clallam	663	1	39	67	172	189	131	53	10	0	1
Port Angeles	231	0	11	22	60	72	44	16	6	0	0
Clark	4,019	5	149	294	1,121	1,193	870	337	47	3	0
Vancouver	1,171	3	50	114	460	312	181	47	4	0	0
Columbia	50	0	6	0	20	13	7	4	0	0	0
Cowlitz	1,240	1	59	134	432	355	184	71	4	0	0
Longview	514	0	24	55	194	141	72	28	0	0	0
Douglas	414	1	26	43	122	108	82	27	5	0	0
Ferry	87	0	7	9	26	21	18	5	1	0	0
Franklin	979	2	76	103	291	262	158	78	6	2	1
Pasco	654	2	56	78	200	169	96	50	1	1	1
Garfield	20	0	0	1	7	5	4	2	1	0	0
Grant	1,125	3	78	127	375	260	209	65	8	0	0
Grays Harbor	935	2	55	89	302	273	142	60	10	0	2
Aberdeen	277	1	22	31	96	69	39	15	3	0	1
Island	1,070	0	32	65	340	359	195	70	9	0	0
Oak Harbor	485	0	11	37	188	165	59	23	2	0	0
Jefferson	232	1	16	9	65	67	43	26	4	1	0
King	23,049	28	615	1,026	4,378	6,728	6,665	3,057	491	21	40
Auburn	677	1	29	59	197	221	123	41	6	0	0
Bellevue	1,082	0	13	27	176	289	394	158	24	1	0
Des Moines	180	1	5	8	45	60	44	16	1	0	0
Federal Way	1,238	0	31	62	295	403	333	102	12	0	0
Kent	1,160	2	43	58	338	394	240	69	14	2	0
Kirkland	758	1	14	27	133	246	214	110	11	0	2
Mercer Island	139	0	0	2	6	34	52	41	3	1	0
Redmond	595	0	8	22	88	183	193	86	14	0	1
Renton	804	1	19	40	182	291	190	73	5	0	3
Sea Tac	92	0	6	5	26	26	22	5	1	0	1
Seattle	6,847	8	201	307	1,272	1,776	1,935	1,111	214	12	11
Kitsap	3,557	8	138	283	1,074	977	764	261	47	1	4
Bremerton	1,099	3	49	120	441	290	145	44	6	0	1
Bainbridge Island	31	0	0	0	1	7	13	9	1	0	0
Kittitas	307	0	12	18	80	89	75	29	3	0	1
Klickitat	237	0	23	21	69	63	41	16	4	0	0

Table 10. Live Births by Mother's Age Group by Place of Residence, 1992

County and City	All Ages	Under								45 and Over	Age Unknown
		15	15-17	18-19	20-24	25-29	30-34	35-39	40-44		
Lewis	834	1	34	88	276	214	153	54	11	0	3
Lincoln	89	0	1	3	28	28	19	7	2	1	0
Mason	505	1	25	61	145	135	89	41	8	0	0
Okanogan	531	0	34	65	162	135	76	44	14	0	1
Pacific	223	1	13	18	74	62	34	20	1	0	0
Pend Oreille	138	0	10	18	38	37	17	16	2	0	0
Pierce	10,258	15	412	727	2,998	3,106	2,094	767	123	6	10
Puyallup	446	0	22	30	144	125	92	25	8	0	0
Tacoma	3,370	3	176	268	994	989	662	227	46	2	3
San Juan	114	0	4	6	21	25	30	22	5	1	0
Skagit	1,345	2	63	106	383	362	291	114	23	1	0
Mount Vernon	399	2	17	30	112	118	84	30	6	0	0
Skamania	77	0	1	5	29	23	13	5	1	0	0
Snohomish	8,113	10	218	418	1,851	2,622	2,055	821	110	4	4
Edmonds	398	0	6	13	53	131	126	59	10	0	0
Everett	1,830	3	70	151	559	578	324	127	18	0	0
Lynnwood	692	2	16	35	208	200	160	56	13	0	2
Mountlake Terrace	290	0	4	14	60	106	71	34	1	0	0
Spokane	5,517	8	211	411	1,659	1,604	1,136	401	84	3	0
Spokane (City)	3,382	6	139	277	1,081	963	632	234	49	1	0
Stevens	441	2	19	49	139	112	74	38	7	0	1
Thurston	2,440	3	99	179	630	720	512	242	50	4	1
Lacey	275	0	12	22	93	71	50	20	7	0	0
Olympia	727	2	25	56	189	216	161	65	13	0	0
Wahkiakum	27	0	2	2	8	6	7	2	0	0	0
Walla Walla	727	5	43	64	241	198	120	47	9	0	0
Walla Walla (City)	469	2	33	47	162	114	75	29	7	0	0
Whatcom	1,830	3	67	104	480	552	413	175	31	1	4
Bellingham	684	1	25	41	187	194	163	63	10	0	0
Whitman	388	0	1	12	83	133	99	50	10	0	0
Pullman	196	0	0	8	45	59	51	27	6	0	0
Yakima	4,327	19	332	453	1,351	1,150	704	251	63	0	4
Yakima (City)	1,466	8	111	170	509	370	200	82	16	0	0

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Table 11. Live Births by Mother's Race by Place of Residence, 1992

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic Origin ¹
State Total	79,405	68,212	3,037	1,658	265	404	881	2,859	37	2,052	7,168
Adams	285	282	0	0	0	0	0	0	0	3	169
Asotin	283	275	0	6	0	1	0	0	0	1	8
Benton	1,930	1,823	28	13	2	7	9	25	0	23	276
Kennewick	819	762	17	6	0	0	7	13	0	14	104
Richland	447	415	9	4	1	5	1	8	0	4	22
Chelan	999	979	2	6	1	2	3	4	0	2	297
Wenatchee	496	485	1	2	1	2	0	4	0	1	126
Clallam	663	588	1	60	2	3	1	5	0	3	23
Port Angeles	231	211	1	11	1	1	1	4	0	1	4
Clark	4,019	3,831	46	26	17	9	13	73	0	4	100
Vancouver	1,171	1,105	17	13	4	1	5	25	0	1	36
Columbia	50	48	0	1	0	0	0	0	0	1	7
Cowlitz	1,240	1,185	4	21	2	2	4	16	0	6	48
Longview	514	484	3	11	0	2	2	11	0	1	19
Douglas	414	407	0	4	0	1	0	2	0	0	125
Ferry	87	66	1	18	0	0	0	1	0	1	3
Franklin	979	939	17	6	0	1	3	4	0	9	511
Pasco	654	622	14	6	0	1	3	3	0	5	365
Garfield	20	18	0	1	0	0	1	0	0	0	0
Grant	1,125	1,093	13	9	1	0	4	4	0	1	445
Grays Harbor	935	841	0	70	0	0	1	8	0	15	30
Aberdeen	277	254	0	15	0	0	1	5	0	2	14
Island	1,070	912	36	7	7	1	60	30	0	17	54
Oak Harbor	485	380	25	4	4	1	45	18	0	8	28
Jefferson	232	213	1	12	0	0	3	2	0	1	4
King	23,049	17,540	1,513	315	144	282	400	1,577	15	1,263	1,036
Auburn	677	582	10	26	1	1	4	17	0	36	24
Bellevue	1,082	828	32	7	16	28	3	108	1	59	51
Des Moines	180	141	7	3	2	1	4	12	0	10	7
Federal Way	1,238	1,008	79	8	3	7	17	83	0	33	56
Kent	1,160	935	55	18	4	3	15	47	0	83	44
Kirkland	758	649	8	6	5	8	9	35	0	38	35
Mercer Island	139	110	3	0	2	5	1	8	0	10	5
Redmond	595	503	4	3	12	5	5	28	0	35	18
Renton	804	604	53	10	2	8	13	46	1	67	30
Sea Tac	92	75	6	0	1	0	0	6	1	3	5
Seattle	6,847	4,494	844	113	61	143	212	676	3	301	384
Kitsap	3,557	3,100	128	68	16	9	125	67	0	44	156
Bremerton	1,099	878	80	21	2	2	65	33	0	18	66
Bainbridge Island	31	28	1	0	0	1	0	0	0	1	0
Kittitas	307	300	0	3	0	0	0	2	0	2	24
Klickitat	237	220	1	13	1	0	0	1	0	1	26

Table 11. Live Births by Mother's Race by Place of Residence, 1992

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic Origin ¹
Lewis	834	808	2	13	0	0	3	0	0	8	42
Lincoln	89	87	1	0	0	1	0	0	0	0	2
Mason	505	442	0	34	0	1	2	4	0	22	24
Okanogan	531	457	1	64	0	0	1	4	0	4	151
Pacific	223	207	2	4	0	0	1	8	0	1	18
Pend Oreille	138	132	0	6	0	0	0	0	0	0	1
Pierce	10,258	8,370	973	147	34	16	106	476	11	125	494
Puyallup	446	429	1	5	0	1	0	4	0	6	19
Tacoma	3,370	2,481	483	68	11	3	37	249	2	36	183
San Juan	114	111	0	1	1	0	0	0	0	1	6
Skagit	1,345	1,285	3	38	0	3	7	7	0	2	213
Mount Vernon	399	388	1	3	0	1	3	3	0	0	115
Skamania	77	74	0	3	0	0	0	0	0	0	3
Snohomish	8,113	7,225	93	130	18	31	69	273	9	265	265
Edmonds	398	364	4	4	2	3	4	10	0	7	13
Everett	1,830	1,590	39	34	3	3	22	80	1	58	77
Lynnwood	692	594	15	4	1	5	11	44	0	18	23
Mountlake Terrace	290	254	5	3	0	2	4	14	0	8	12
Spokane	5,517	5,179	84	123	5	7	23	83	1	12	116
Spokane (City)	3,382	3,139	60	98	1	6	9	62	1	6	71
Stevens	441	407	0	27	1	0	2	0	0	4	10
Thurston	2,440	2,115	43	43	5	4	13	114	1	102	96
Lacey	275	224	5	6	0	1	4	23	1	11	13
Olympia	727	620	12	12	2	3	4	39	0	35	25
Wahkiakum	27	27	0	0	0	0	0	0	0	0	2
Walla Walla	727	699	4	10	0	1	2	3	0	8	174
Walla Walla (City)	469	453	2	7	0	1	0	2	0	4	119
Whatcom	1,830	1,656	6	85	3	3	7	35	0	35	125
Bellingham	684	596	4	41	2	1	2	18	0	20	40
Whitman	388	345	5	4	2	17	1	13	0	1	9
Pullman	196	158	4	4	2	16	1	11	0	0	3
Yakima	4,327	3,926	29	267	3	2	17	18	0	65	2,075
Yakima (City)	1,466	1,362	21	55	3	0	6	10	0	9	567

¹Hispanic Origin is considered an ethnicity rather than a race. Births to mothers of Hispanic Origin are also counted under the race of the mother. See Appendix A, "Hispanic Origin."

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Table 12. Live Births by Child's Race¹ by Place of Residence, 1992

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic Origin ²
State Total	79,405	66,014	4,102	1,965	337	446	890	3,270	46	2,335	9,158
Adams	285	281	0	1	0	0	0	0	0	3	181
Asotin	283	274	0	7	0	1	0	0	0	1	11
Benton	1,930	1,768	47	24	3	10	6	31	0	41	336
Kennewick	819	739	26	8	1	2	5	15	0	23	137
Richland	447	402	14	8	2	5	1	11	0	4	33
Chelan	999	977	2	6	1	2	3	5	0	3	331
Wenatchee	496	486	0	2	1	2	0	5	0	0	146
Clallam	663	575	3	62	2	3	2	12	0	4	42
Port Angeles	231	205	2	14	1	1	2	6	0	0	6
Clark	4,019	3,754	88	39	21	12	14	84	0	7	169
Vancouver	1,171	1,076	37	15	4	1	6	29	0	3	71
Columbia	50	47	0	2	0	0	0	0	0	1	8
Cowlitz	1,240	1,164	7	31	3	2	6	22	0	5	94
Longview	514	478	3	12	1	2	3	13	0	2	44
Douglas	414	403	1	4	0	0	1	3	0	2	143
Ferry	87	65	2	18	0	0	0	1	0	1	5
Franklin	979	913	24	6	0	2	3	4	0	27	553
Pasco	654	600	20	5	0	2	3	4	0	20	398
Garfield	20	18	0	1	0	0	1	0	0	0	0
Grant	1,125	1,071	22	12	3	0	3	4	0	10	497
Grays Harbor	935	825	3	78	0	0	2	10	2	15	54
Aberdeen	277	250	1	15	0	0	1	6	2	2	25
Island	1,070	900	53	9	9	1	52	41	0	5	94
Oak Harbor	485	373	37	4	5	1	36	27	0	2	54
Jefferson	232	212	3	11	0	0	2	3	0	1	10
King	23,049	16,870	1,831	370	171	299	413	1,728	17	1,350	1,460
Auburn	677	568	19	24	1	1	6	20	0	38	41
Bellevue	1,082	804	45	12	18	26	5	116	1	55	73
Des Moines	180	135	13	3	2	1	4	13	0	9	8
Federal Way	1,238	959	98	16	6	10	20	91	0	38	90
Kent	1,160	902	73	26	3	3	17	52	0	84	66
Kirkland	758	624	19	9	12	7	10	39	0	38	53
Mercer Island	139	106	2	0	2	5	1	13	0	10	5
Redmond	595	492	13	7	9	4	4	36	0	30	26
Renton	804	567	70	15	6	13	13	49	1	70	42
Sea Tac	92	69	6	2	1	0	1	8	1	4	8
Seattle	6,847	4,260	943	119	68	145	212	710	3	387	522
Kitsap	3,557	2,971	215	91	17	9	110	104	1	39	266
Bremerton	1,099	827	128	31	1	2	52	44	1	13	113
Bainbridge Island	31	27	2	0	0	1	0	0	0	1	0
Kittitas	307	296	1	5	0	0	1	3	0	1	30
Klickitat	237	214	1	18	1	0	0	1	0	2	31

Table 12. Live Births by Child's Race¹ by Place of Residence, 1992

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic Origin ²
Lewis	834	798	6	18	0	0	2	3	0	7	63
Lincoln	89	87	1	0	0	1	0	0	0	0	2
Mason	505	425	2	43	0	1	3	9	0	22	45
Okanogan	531	449	1	70	0	0	1	7	0	3	175
Pacific	223	203	1	8	1	0	1	8	0	1	26
Pend Oreille	138	126	2	10	0	0	0	0	0	0	2
Pierce	10,258	7,884	1,259	185	54	24	106	491	12	243	737
Puyallup	446	420	5	5	2	1	0	6	1	6	25
Tacoma	3,370	2,298	562	78	22	5	35	233	4	133	274
San Juan	114	112	0	1	1	0	0	0	0	0	8
Skagit	1,345	1,261	9	52	1	3	7	8	0	4	259
Mount Vernon	399	377	4	9	0	1	3	4	0	1	138
Skamania	77	73	1	3	0	0	0	0	0	0	3
Snohomish	8,113	7,010	197	186	26	38	89	325	9	233	428
Edmonds	398	351	8	9	3	4	6	12	0	5	22
Everett	1,830	1,516	80	51	5	2	27	99	0	50	120
Lynnwood	692	569	30	10	1	6	10	46	0	20	43
Mountlake Terrace	290	239	15	5	0	2	5	17	0	7	21
Spokane	5,517	5,044	144	149	7	7	20	115	3	28	184
Spokane (City)	3,382	3,051	101	115	3	6	9	77	2	18	108
Stevens	441	384	2	39	0	0	3	5	1	7	15
Thurston	2,440	2,046	71	67	9	4	13	131	1	98	159
Lacey	275	217	10	8	0	1	4	23	1	11	20
Olympia	727	595	21	23	4	3	2	43	0	36	46
Wahkiakum	27	27	0	0	0	0	0	0	0	0	2
Walla Walla	727	689	10	14	0	1	3	7	0	3	217
Walla Walla (City)	469	449	5	9	0	1	0	5	0	0	152
Whatcom	1,830	1,622	23	96	3	4	7	42	0	33	177
Bellingham	684	583	17	38	2	1	2	23	0	18	56
Whitman	388	332	12	4	2	19	1	17	0	1	13
Pullman	196	148	10	4	2	17	1	14	0	0	6
Yakima	4,327	3,844	58	225	2	3	15	46	0	134	2,328
Yakima (City)	1,466	1,345	42	43	2	0	3	18	0	13	684

¹Child's race is determined from the race of the parents according to rules of the National Center for Health Statistics explained in Appendix A.

²Hispanic Origin is considered an ethnicity rather than a race. Births concerning children of Hispanic Origin are also counted under the race of the child. See Appendix A, "Hispanic Origin."

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Table 13. Live Births by Month by Place of Residence, 1992

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
State Total	79,405	6,308	6,181	6,856	6,708	7,343	6,804	6,971	6,810	6,641	6,356	6,032	6,395
Adams	285	25	14	22	21	29	28	30	26	14	25	19	32
Asotin	283	17	24	22	36	24	21	19	22	28	25	19	26
Benton	1,930	143	130	151	158	204	161	196	184	152	166	133	152
Kennewick	819	60	62	66	74	86	76	78	61	65	77	54	60
Richland	447	33	30	35	39	49	35	43	43	37	39	25	39
Chelan	999	84	72	72	90	95	75	82	105	94	80	79	71
Wenatchee	496	44	37	37	49	45	43	39	53	38	38	41	32
Clallam	663	64	42	59	49	70	60	62	56	54	46	51	50
Port Angeles	231	31	17	14	22	22	25	14	14	21	22	17	12
Clark	4,019	342	310	337	349	359	342	331	299	334	350	301	365
Vancouver	1,171	112	119	105	99	102	102	83	67	83	113	82	104
Columbia	50	2	1	2	9	7	9	1	5	3	3	4	4
Cowlitz	1,240	117	111	95	107	117	118	96	100	99	94	94	92
Longview	514	53	49	35	47	59	47	33	37	35	41	38	40
Douglas	414	34	30	35	28	44	29	31	36	42	36	32	37
Ferry	87	10	5	7	9	5	6	8	6	5	8	10	8
Franklin	979	74	68	90	81	75	89	101	90	74	76	79	82
Pasco	654	60	50	61	61	45	51	64	49	53	51	55	54
Garfield	20	2	2	2	0	2	1	3	1	2	2	2	1
Grant	1,125	96	91	89	91	95	91	90	100	102	96	91	93
Grays Harbor	935	76	75	88	91	76	73	74	82	60	80	75	85
Aberdeen	277	24	21	31	26	24	23	22	20	18	28	18	22
Island	1,070	77	64	92	87	92	98	88	105	95	99	82	91
Oak Harbor	485	35	31	35	36	34	41	38	55	49	52	39	40
Jefferson	232	19	13	16	18	26	14	24	30	20	16	10	26
King	23,049	1,835	1,771	2,066	1,876	2,233	1,950	2,034	1,945	1,910	1,845	1,735	1,849
Auburn	677	47	67	62	58	54	52	65	66	41	58	55	52
Bellevue	1,082	90	78	108	90	99	91	95	94	86	78	85	88
Des Moines	180	20	14	14	16	14	19	18	15	9	15	13	13
Federal Way	1,238	111	98	110	100	130	106	113	93	90	80	88	119
Kent	1,160	76	67	94	113	114	105	116	115	114	85	74	87
Kirkland	758	39	51	56	56	81	68	72	55	67	67	82	64
Mercer Island	139	17	7	18	9	7	12	10	12	14	15	6	12
Redmond	595	47	41	39	51	60	41	48	55	65	58	45	45
Renton	804	65	61	56	47	69	52	80	84	83	80	64	63
Sea Tac	92	7	6	6	5	12	8	12	11	5	9	5	6
Seattle	6,847	515	531	599	580	674	603	629	622	531	548	479	536
Kitsap	3,557	246	270	292	285	318	314	312	309	313	325	294	279
Bremerton	1,099	74	85	103	92	91	98	95	117	87	84	84	89
Bainbridge Island	31	0	0	0	1	1	2	1	0	0	15	7	4
Kittitas	307	19	23	26	28	24	30	28	23	34	27	22	23
Klickitat	237	19	22	23	26	20	27	17	16	16	16	16	19

Table 13. Live Births by Month by Place of Residence, 1992

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Lewis	834	68	71	70	64	72	74	79	60	82	56	69	69
Lincoln	89	1	9	8	7	13	8	10	6	5	6	7	9
Mason	505	42	37	49	44	43	49	32	42	35	47	48	37
Okanogan	531	38	42	41	37	60	38	44	47	42	52	40	50
Pacific	223	13	15	20	19	24	19	28	17	13	24	13	18
Pend Oreille	138	8	10	13	10	12	10	10	14	15	10	11	15
Pierce	10,258	865	825	885	910	909	920	860	886	855	768	775	800
Puyallup	446	37	38	38	42	31	46	43	40	25	36	40	30
Tacoma	3,370	280	282	263	304	272	280	233	298	320	270	284	284
San Juan	114	11	5	10	11	9	12	6	10	6	10	15	9
Skagit	1,345	98	106	106	111	104	104	127	136	115	111	105	122
Mount Vernon	399	30	35	42	33	32	37	35	39	28	21	37	30
Skamania	77	5	6	6	11	1	8	4	8	9	10	5	4
Snohomish	8,113	642	599	698	702	743	704	742	708	685	633	625	632
Edmonds	398	33	27	32	31	32	44	40	30	46	28	21	34
Everett	1,830	153	136	182	150	159	153	164	142	153	147	144	147
Lynnwood	692	60	62	42	76	60	45	57	62	65	55	54	54
Mountlake Terrace	290	25	18	22	25	24	23	22	27	29	25	25	25
Spokane	5,517	413	481	476	456	511	498	497	475	491	426	406	387
Spokane (City)	3,382	248	321	286	276	330	299	289	296	310	249	244	234
Stevens	441	23	44	45	26	45	36	37	38	47	29	32	39
Thurston	2,440	176	195	203	225	235	196	222	171	231	210	179	197
Lacey	275	24	19	26	25	30	16	30	14	24	21	22	24
Olympia	727	55	72	63	75	59	62	60	42	63	65	47	64
Wahkiakum	27	1	2	5	1	4	4	1	3	1	1	2	2
Walla Walla	727	65	60	74	65	81	54	61	66	58	36	49	58
Walla Walla (City)	469	42	35	51	42	40	38	43	41	44	23	33	37
Whatcom	1,830	142	154	143	163	166	137	174	164	148	144	148	147
Bellingham	684	48	51	54	67	60	52	62	63	54	63	54	56
Whitman	388	39	40	27	40	30	25	33	33	27	24	38	32
Pullman	196	17	22	14	25	16	12	14	12	18	10	17	19
Yakima	4,327	357	342	391	367	366	372	377	386	325	344	317	383
Yakima (City)	1,466	133	123	142	119	131	114	135	116	104	100	117	132

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Table 14. Live Births by Birth Weight in Grams by Place of Residence, 1992

County and City	Total	1000 or Less	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000	4001-4500	4501-Over	Not Stated
State Total	79,405	336	350	829	2,704	10,469	27,818	26,025	8,862	1,903	109
Adams	285	1	0	1	6	43	98	103	27	3	3
Asotin	283	0	0	1	12	34	95	95	27	18	1
Benton	1,930	11	8	29	61	230	631	661	249	47	3
Kennewick	819	5	2	13	16	103	269	296	95	20	0
Richland	447	2	4	7	17	50	133	141	76	17	0
Chelan	999	4	3	11	38	125	334	354	97	27	6
Wenatchee	496	1	3	7	20	60	167	170	54	11	3
Clallam	663	2	1	3	14	85	223	237	81	17	0
Port Angeles	231	1	1	1	3	34	82	77	29	3	0
Clark	4,019	17	22	39	141	487	1,306	1,393	524	87	3
Vancouver	1,171	1	0	4	38	142	408	400	153	24	1
Columbia	50	0	0	2	0	7	17	19	4	1	0
Cowlitz	1,240	9	11	12	45	165	437	392	133	34	2
Longview	514	3	2	5	19	73	184	161	48	18	1
Douglas	414	0	0	0	11	62	147	140	42	11	1
Ferry	87	0	1	0	3	12	28	27	14	2	0
Franklin	979	5	2	7	28	136	357	303	121	19	1
Pasco	654	2	2	4	20	98	246	192	76	13	1
Garfield	20	0	0	0	0	1	4	10	4	1	0
Grant	1,125	4	6	7	38	157	439	355	97	21	1
Grays Harbor	935	0	2	9	39	144	307	312	101	21	0
Aberdeen	277	0	0	2	16	49	91	84	27	8	0
Island	1,070	2	1	11	24	110	368	390	124	35	5
Oak Harbor	485	0	0	3	7	58	177	170	57	11	2
Jefferson	232	3	2	1	0	34	88	73	24	7	0
King	23,049	101	96	242	806	3,041	8,100	7,443	2,638	539	43
Auburn	677	3	1	1	25	86	243	244	60	13	1
Bellevue	1,082	4	2	6	28	147	404	339	128	22	2
Des Moines	180	0	0	3	6	25	61	65	17	2	1
Federal Way	1,238	3	6	7	52	176	416	393	149	35	1
Kent	1,160	2	4	14	51	146	404	357	154	27	1
Kirkland	758	2	2	5	20	88	264	261	92	23	1
Mercer Island	139	0	1	1	1	12	44	60	17	3	0
Redmond	595	2	5	7	24	71	176	200	95	14	1
Renton	804	3	2	10	36	96	281	268	88	20	0
Sea Tac	92	0	0	2	5	13	34	31	5	2	0
Seattle	6,847	31	30	87	266	996	2,518	2,049	730	126	14
Kitsap	3,557	14	18	42	122	443	1,216	1,151	445	99	7
Bremerton	1,099	3	2	13	38	146	399	339	132	24	3
Bainbridge Island	31	0	0	0	0	2	13	14	2	0	0
Kittitas	307	2	2	2	11	42	105	105	33	5	0
Klickitat	237	0	0	1	7	38	90	66	27	7	1

Table 14. Live Births by Birth Weight in Grams by Place of Residence, 1992

County and City	Total	1000 or Less	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000	4001-4500	4501-Over	Not Stated
Lewis	834	3	3	11	25	100	303	291	79	18	1
Lincoln	89	0	2	0	2	7	30	35	11	1	1
Mason	505	1	5	5	17	63	178	162	56	17	1
Okanogan	531	2	4	6	12	70	213	161	56	6	1
Pacific	223	1	0	1	9	34	77	73	26	2	0
Pend Oreille	138	0	0	3	5	21	48	44	15	2	0
Pierce	10,258	50	68	141	386	1,403	3,689	3,226	1,061	224	10
Puyallup	446	0	2	5	13	45	162	146	55	18	0
Tacoma	3,370	20	25	57	135	509	1,251	971	343	57	2
San Juan	114	0	0	1	3	15	39	36	16	3	1
Skagit	1,345	3	5	21	43	165	475	453	150	29	1
Mount Vernon	399	1	1	5	11	43	153	138	35	12	0
Skamania	77	0	0	2	4	7	24	31	4	4	1
Snohomish	8,113	29	30	71	237	1,021	2,710	2,777	978	255	5
Edmonds	398	1	1	7	13	45	142	131	44	13	1
Everett	1,830	9	8	17	58	234	644	598	212	50	0
Lynnwood	692	1	4	6	26	92	241	217	85	20	0
Mountlake Terrace	290	1	1	0	6	40	97	104	28	11	2
Spokane	5,517	20	26	52	189	816	2,036	1,755	511	109	3
Spokane (City)	3,382	16	21	37	123	518	1,256	1,061	285	65	0
Stevens	441	3	1	6	20	58	141	145	57	10	0
Thurston	2,440	12	10	23	80	315	849	810	279	58	4
Lacey	275	1	0	1	8	36	98	88	36	6	1
Olympia	727	6	3	7	19	99	259	241	81	11	1
Wahkiakum	27	0	0	0	0	0	12	7	7	1	0
Walla Walla	727	2	1	6	16	88	262	244	88	20	0
Walla Walla (City)	469	1	0	5	13	54	158	172	52	14	0
Whatcom	1,830	5	4	19	67	179	636	662	203	55	0
Bellingham	684	3	1	10	26	76	230	251	68	19	0
Whitman	388	2	0	1	14	40	135	133	53	10	0
Pullman	196	2	0	0	4	18	77	65	27	3	0
Yakima	4,327	28	16	40	169	671	1,571	1,351	400	78	3
Yakima (City)	1,466	12	6	9	62	238	536	456	122	24	1

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Table 15. Live Births with Malformations by Place of Residence, 1992

County and City	Total Births	Births with Malformations	Percent of Total Births ¹	Total Malformations ²
State Total	79,405	1,735	2.2	1,939
Adams	285	2	0.7	3
Asotin	283	2	0.7	2
Benton	1,930	37	1.9	40
Kennewick	819	17	2.1	19
Richland	447	5	1.1	5
Chelan	999	14	1.4	15
Wenatchee	496	6	1.2	7
Clallam	663	22	3.3	26
Port Angeles	231	11	4.8	14
Clark	4,019	50	1.2	58
Vancouver	1,171	14	1.2	15
Columbia	50	0	0.0	0
Cowlitz	1,240	17	1.4	17
Longview	514	3	0.6	3
Douglas	414	5	1.2	8
Ferry	87	5	5.7	5
Franklin	979	19	1.9	22
Pasco	654	10	1.5	13
Garfield	20	0	0.0	0
Grant	1,125	21	1.9	22
Grays Harbor	935	14	1.5	14
Aberdeen	277	6	2.2	6
Island	1,070	23	2.1	28
Oak Harbor	485	4	0.8	5
Jefferson	232	6	2.6	6
King	23,049	462	2.0	511
Auburn	677	15	2.2	15
Bellevue	1,082	15	1.4	16
Des Moines	180	6	3.3	6
Federal Way	1,238	56	4.5	58
Kent	1,160	16	1.4	17
Kirkland	758	6	0.8	8
Mercer Island	139	1	0.7	1
Redmond	595	4	0.7	6
Renton	804	10	1.2	10
Sea Tac	92	2	2.2	2
Seattle	6,847	153	2.2	171
Kitsap	3,557	136	3.8	148
Bremerton	1,099	46	4.2	49
Bainbridge Island	31	0	0.0	0
Kittitas	307	5	1.6	5
Klickitat	237	2	0.8	2

Table 15. Live Births with Malformations by Place of Residence, 1992

County and City	Total Births	Births with Malformations	Percent of Total Births ¹	Total Malformations ²
Lewis	834	20	2.4	23
Lincoln	89	1	1.1	1
Mason	505	14	2.8	16
Okanogan	531	9	1.7	14
Pacific	223	2	0.9	2
Pend Oreille	138	2	1.4	2
Pierce	10,258	384	3.7	425
Puyallup	446	17	3.8	20
Tacoma	3,370	149	4.4	165
San Juan	114	1	0.9	1
Skagit	1,345	20	1.5	26
Mount Vernon	399	6	1.5	6
Skamania	77	3	3.9	3
Snohomish	8,113	181	2.2	203
Edmonds	398	7	1.8	8
Everett	1,830	57	3.1	60
Lynnwood	692	8	1.2	8
Mountlake Terrace	290	5	1.7	6
Spokane	5,517	92	1.7	102
Spokane (City)	3,382	64	1.9	72
Stevens	441	16	3.6	20
Thurston	2,440	36	1.5	41
Lacey	275	2	0.7	2
Olympia	727	10	1.4	13
Wahkiakum	27	0	0.0	0
Walla Walla	727	26	3.6	27
Walla Walla (City)	469	22	4.7	22
Whatcom	1,830	45	2.5	55
Bellingham	684	22	3.2	27
Whitman	388	12	3.1	12
Pullman	196	7	3.6	7
Yakima	4,327	29	0.7	34
Yakima (City)	1,466	5	0.3	6

¹Total may not add up to 100% due to rounding.

²Individual births may have more than one malformation.

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Table 16. Live Births by Maternal Smoking During Pregnancy by Place of Residence, 1992

County and City	Total Births	Maternal Smoking		No Maternal Smoking		Maternal Smoking Unknown	
		Number	Percent	Number	Percent	Number	Percent
State Total	79,405	15,311	19.3	61,686	77.7	2,408	3.0
Adams	285	26	9.1	258	90.5	1	0.4
Asotin	283	47	16.6	235	83.0	1	0.4
Benton	1,930	334	17.3	1,579	81.8	17	0.9
Kennewick	819	144	17.6	671	81.9	4	0.5
Richland	447	65	14.5	379	84.8	3	0.7
Chelan	999	144	14.4	809	81.0	46	4.6
Wenatchee	496	73	14.7	403	81.3	20	4.0
Clallam	663	155	23.4	480	72.4	28	4.2
Port Angeles	231	56	24.2	164	71.0	11	4.8
Clark	4,019	941	23.4	3,058	76.1	20	0.5
Vancouver	1,171	396	33.8	769	65.7	6	0.5
Columbia	50	11	22.0	39	78.0	0	0.0
Cowlitz	1,240	339	27.3	900	72.6	1	0.1
Longview	514	156	30.4	358	69.6	0	0.0
Douglas	414	59	14.3	340	82.1	15	3.6
Ferry	87	18	20.7	69	79.3	0	0.0
Franklin	979	102	10.4	870	88.9	7	0.7
Pasco	654	79	12.1	569	87.0	6	0.9
Garfield	20	3	15.0	17	85.0	0	0.0
Grant	1,125	159	14.1	962	85.5	4	0.4
Grays Harbor	935	330	35.3	580	62.0	25	2.7
Aberdeen	277	102	36.8	169	61.0	6	2.2
Island	1,070	200	18.7	864	80.7	6	0.6
Oak Harbor	485	91	18.8	392	80.8	2	0.4
Jefferson	232	61	26.3	170	73.3	1	0.4
King	23,049	3,438	14.9	18,024	78.2	1,587	6.9
Auburn	677	183	27.0	480	70.9	14	2.1
Bellevue	1,082	114	10.5	920	85.0	48	4.4
Des Moines	180	31	17.2	139	77.2	10	5.6
Federal Way	1,238	219	17.7	988	79.8	31	2.5
Kent	1,160	206	17.8	897	77.3	57	4.9
Kirkland	758	96	12.7	629	83.0	33	4.4
Mercer Island	139	1	0.7	128	92.1	10	7.2
Redmond	595	61	10.3	518	87.1	16	2.7
Renton	804	125	15.5	621	77.2	58	7.2
Sea Tac	92	26	28.3	62	67.4	4	4.3
Seattle	6,847	894	13.1	5,256	76.8	697	10.2
Kitsap	3,557	750	21.1	2,771	77.9	36	1.0
Bremerton	1,099	266	24.2	832	75.7	1	0.1
Bainbridge Island	31	1	3.2	29	93.5	1	3.2
Kittitas	307	76	24.8	228	74.3	3	1.0
Klickitat	237	64	27.0	172	72.6	1	0.4

Table 16. Live Births by Maternal Smoking During Pregnancy by Place of Residence, 1992

County and City	Total Births	Maternal Smoking		No Maternal Smoking		Maternal Smoking Unknown	
		Number	Percent	Number	Percent	Number	Percent
Lewis	834	196	23.5	625	74.9	13	1.6
Lincoln	89	16	18.0	71	79.8	2	2.2
Mason	505	140	27.7	350	69.3	15	3.0
Okanogan	531	107	20.2	422	79.5	2	0.4
Pacific	223	82	36.8	139	62.3	2	0.9
Pend Oreille	138	47	34.1	91	65.9	0	0.0
Pierce	10,258	2,348	22.9	7,817	76.2	93	0.9
Puyallup	446	80	17.9	364	81.6	2	0.4
Tacoma	3,370	816	24.2	2,529	75.0	25	0.7
San Juan	114	21	18.4	90	78.9	3	2.6
Skagit	1,345	270	20.1	1,065	79.2	10	0.7
Mount Vernon	399	60	15.0	337	84.5	2	0.5
Skamania	77	22	28.6	55	71.4	0	0.0
Snohomish	8,113	1,749	21.6	6,147	75.8	217	2.7
Edmonds	398	75	18.8	312	78.4	11	2.8
Everett	1,830	530	29.0	1,279	69.9	21	1.1
Lynnwood	692	151	21.8	514	74.3	27	3.9
Mountlake Terrace	290	55	19.0	228	78.6	7	2.4
Spokane	5,517	1,234	22.4	4,263	77.3	20	0.4
Spokane (City)	3,382	844	25.0	2,526	74.7	12	0.4
Stevens	441	119	27.0	322	73.0	0	0.0
Thurston	2,440	439	18.0	1,872	76.7	129	5.3
Lacey	275	51	18.5	208	75.6	16	5.8
Olympia	727	146	20.1	533	73.3	48	6.6
Wahkiakum	27	3	11.1	24	88.9	0	0.0
Walla Walla	727	143	19.7	581	79.9	3	0.4
Walla Walla (City)	469	105	22.4	361	77.0	3	0.6
Whatcom	1,830	342	18.7	1,414	77.3	74	4.0
Bellingham	684	143	20.9	518	75.7	23	3.4
Whitman	388	35	9.0	353	91.0	0	0.0
Pullman	196	7	3.6	189	96.4	0	0.0
Yakima	4,327	741	17.1	3,560	82.3	26	0.6
Yakima (City)	1,466	335	22.9	1,123	76.6	8	0.5

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Table 17. Live Births to Single Mothers by Mother's Age Group by Place of Residence, 1992

County and City	All Ages	Under								45 and Over	Age Unknown
		15	15-17	18-19	20-24	25-29	30-34	35-39	40-44		
State Total	20,081	116	2,593	3,449	7,157	3,657	2,070	824	183	4	28
Adams	77	0	15	4	35	12	8	0	3	0	0
Asotin	76	0	9	17	32	14	2	1	1	0	0
Benton	453	1	65	83	168	69	49	14	2	0	2
Kennewick	225	0	32	48	77	40	18	7	1	0	2
Richland	71	0	11	9	28	10	10	3	0	0	0
Chelan	259	1	52	37	94	39	18	14	3	0	1
Wenatchee	139	1	30	17	49	23	10	8	1	0	0
Clallam	193	1	30	39	58	39	18	6	2	0	0
Port Angeles	66	0	7	16	24	10	6	3	0	0	0
Clark	989	5	122	186	387	165	95	25	4	0	0
Vancouver	441	3	41	76	200	67	46	8	0	0	0
Columbia	11	0	4	0	6	1	0	0	0	0	0
Cowlitz	417	1	50	85	171	66	31	12	1	0	0
Longview	187	0	24	36	78	29	16	4	0	0	0
Douglas	98	0	20	12	34	16	10	6	0	0	0
Ferry	29	0	4	8	7	5	4	0	1	0	0
Franklin	352	2	67	71	103	64	26	16	2	0	1
Pasco	259	2	48	52	72	52	18	14	0	0	1
Garfield	3	0	0	1	1	1	0	0	0	0	0
Grant	324	3	60	70	111	53	20	6	1	0	0
Grays Harbor	336	2	46	56	121	69	28	10	3	0	1
Aberdeen	108	1	20	16	39	21	8	1	1	0	1
Island	131	0	27	19	38	25	18	4	0	0	0
Oak Harbor	56	0	8	7	19	15	6	1	0	0	0
Jefferson	75	1	13	5	26	18	8	2	2	0	0
King	5,142	28	543	761	1,779	1,029	633	292	59	3	15
Auburn	219	1	25	41	75	47	22	6	2	0	0
Bellevue	135	0	8	18	44	33	22	6	3	1	0
Des Moines	50	1	5	6	22	7	7	2	0	0	0
Federal Way	274	0	28	47	98	52	39	8	2	0	0
Kent	310	2	37	44	141	45	29	10	2	0	0
Kirkland	116	1	11	17	42	28	9	5	2	0	1
Mercer Island	9	0	0	1	1	1	2	4	0	0	0
Redmond	72	0	5	14	22	15	11	3	1	0	1
Renton	167	1	17	28	56	37	20	8	0	0	0
Sea Tac	34	0	6	3	14	7	2	1	1	0	0
Seattle	1,879	8	180	232	642	401	240	140	31	1	4
Kitsap	731	8	114	136	260	102	77	27	6	0	1
Bremerton	252	3	35	45	113	34	18	4	0	0	0
Bainbridge Island	1	0	0	0	0	0	0	1	0	0	0
Kittitas	65	0	10	14	23	5	11	2	0	0	0
Klickitat	92	0	20	12	26	18	8	6	2	0	0

Table 17. Live Births to Single Mothers by Mother's Age Group by Place of Residence, 1992

County and City	All Ages	Under								45 and Over	Age Unknown
		15	15-17	18-19	20-24	25-29	30-34	35-39	40-44		
Lewis	234	1	27	53	88	33	25	5	1	0	1
Lincoln	13	0	0	1	9	1	0	1	1	0	0
Mason	172	1	23	41	59	29	14	4	1	0	0
Okanogan	198	0	26	38	64	35	24	8	3	0	0
Pacific	89	1	8	10	39	20	9	2	0	0	0
Pend Oreille	39	0	7	10	11	6	4	1	0	0	0
Pierce	2,826	14	367	500	1,022	538	271	95	16	0	3
Puyallup	110	0	19	21	46	13	9	2	0	0	0
Tacoma	1,187	3	165	197	408	246	118	38	9	0	3
San Juan	31	0	4	6	10	2	4	4	1	0	0
Skagit	342	2	43	65	125	48	46	12	1	0	0
Mount Vernon	112	2	10	18	43	23	12	4	0	0	0
Skamania	16	0	0	3	8	3	1	0	1	0	0
Snohomish	1,711	9	195	265	628	329	177	91	15	1	1
Edmonds	75	0	6	10	19	19	14	6	1	0	0
Everett	565	3	65	97	220	109	40	25	6	0	0
Lynnwood	167	2	12	21	80	29	16	7	0	0	0
Mountlake Terrace	54	0	4	9	23	8	6	4	0	0	0
Spokane	1,524	8	184	292	583	245	141	54	17	0	0
Spokane (City)	1,084	6	120	212	424	182	90	38	12	0	0
Stevens	127	2	13	28	47	21	9	5	2	0	0
Thurston	629	2	89	125	191	105	74	34	8	0	1
Lacey	88	0	10	15	29	12	15	4	3	0	0
Olympia	206	1	22	43	67	38	22	11	2	0	0
Wahkiakum	5	0	1	1	2	1	0	0	0	0	0
Walla Walla	214	2	32	37	85	35	19	4	0	0	0
Walla Walla (City)	163	1	24	31	64	24	16	3	0	0	0
Whatcom	407	2	48	59	152	74	46	18	8	0	0
Bellingham	194	0	16	28	79	33	26	8	4	0	0
Whitman	43	0	1	6	15	14	5	2	0	0	0
Pullman	12	0	0	2	4	5	1	0	0	0	0
Yakima	1,608	19	254	293	539	308	137	41	16	0	1
Yakima (City)	590	8	87	114	206	105	45	18	7	0	0

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Table 18. Live Births by Institutions by Place of Occurrence, 1992

County and City	Total	Hospital	Birth Center	Federal Facility	Home	Born On Arrival	Other and Not Stated
State Total	78,023	72,651	209	3,825	1,217	54	67
Adams	410	408	0	0	1	1	0
Asotin	0	0	0	0	0	0	0
Benton	2,615	2,601	0	0	11	2	1
Kennewick	1,048	1,044	0	0	3	1	0
Richland	1,145	1,137	0	0	7	1	0
Chelan	1,411	1,399	0	0	11	1	0
Wenatchee	1,294	1,288	0	0	5	1	0
Clallam	658	643	0	0	14	1	0
Port Angeles	569	567	0	0	2	0	0
Clark	2,534	2,469	0	1	60	2	2
Vancouver	2,506	2,468	0	1	35	1	1
Columbia	0	0	0	0	0	0	0
Cowlitz	1,374	1,361	0	0	13	0	0
Longview	1,369	1,361	0	0	8	0	0
Douglas	4	0	0	0	4	0	0
Ferry	17	14	0	0	3	0	0
Franklin	584	575	0	0	6	1	2
Pasco	580	575	0	0	4	1	0
Garfield	0	0	0	0	0	0	0
Grant	800	787	0	0	11	1	1
Grays Harbor	635	619	0	0	13	3	0
Aberdeen	622	619	0	0	0	3	0
Island	833	200	0	616	14	1	2
Oak Harbor	538	1	0	532	4	1	0
Jefferson	150	138	0	0	12	0	0
King	26,434	26,025	50	0	339	16	4
Auburn	873	857	0	0	16	0	0
Bellevue	2,595	2,580	0	0	14	1	0
Des Moines	3	0	0	0	3	0	0
Federal Way	1,646	1,620	0	0	24	2	0
Kent	44	4	0	0	40	0	0
Kirkland	2,412	2,399	0	0	12	1	0
Mercer Island	3	0	0	0	3	0	0
Redmond	1,191	1,179	0	0	11	1	0
Renton	3,158	3,138	0	0	15	5	0
Sea Tac	4	0	0	0	4	0	0
Seattle	14,050	13,849	48	0	144	6	3
Kitsap	3,006	2,172	0	790	41	1	2
Bremerton	2,708	2,172	0	521	13	1	1
Bainbridge Island	0	0	0	0	0	0	0
Kittitas	258	253	0	0	5	0	0
Klickitat	223	220	0	0	3	0	0

Table 18. Live Births by Institutions by Place of Occurrence, 1992

County and City	Total	Hospital	Birth Center	Federal Facility	Home	Born On Arrival	Other and Not Stated
Lewis	721	613	0	0	107	1	0
Lincoln	25	23	0	0	2	0	0
Mason	177	166	0	0	9	1	1
Okanogan	560	555	0	0	5	0	0
Pacific	98	95	0	0	3	0	0
Pend Oreille	46	43	0	0	3	0	0
Pierce	10,666	8,370	36	2,085	135	9	31
Puyallup	1,387	1,370	0	0	16	1	0
Tacoma	8,437	7,000	36	1,334	58	8	1
San Juan	10	0	0	0	8	0	2
Skagit	1,577	1,551	0	0	25	1	0
Mount Vernon	1,041	1,032	0	0	8	1	0
Skamania	1	0	0	0	1	0	0
Snohomish	5,769	5,475	123	0	158	2	11
Edmonds	1,682	1,657	15	0	10	0	0
Everett	3,348	3,274	4	0	59	2	9
Lynnwood	54	0	32	0	21	0	1
Mountlake Terrace	5	0	0	0	5	0	0
Spokane	6,246	5,844	0	333	59	4	6
Spokane (City)	6,072	5,839	0	186	37	4	6
Stevens	321	309	0	0	12	0	0
Thurston	2,652	2,585	0	0	65	2	0
Lacey	6	0	0	0	6	0	0
Olympia	2,633	2,585	0	0	46	2	0
Wahkiakum	0	0	0	0	0	0	0
Walla Walla	946	938	0	0	7	1	0
Walla Walla (City)	945	938	0	0	6	1	0
Whatcom	1,790	1,740	0	0	48	1	1
Bellingham	1,768	1,740	0	0	26	1	1
Whitman	345	345	0	0	0	0	0
Pullman	307	307	0	0	0	0	0
Yakima	4,127	4,115	0	0	9	2	1
Yakima (City)	2,960	2,955	0	0	4	1	0

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Table 19. Live Births by Month Prenatal Care Began by Place of Residence, 1992

County and City	Total	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth+	No Care	Unknown
State Total	79,405	14,034	28,898	17,303	6,727	3,511	1,990	1,329	841	373	490	3,909
Adams	285	17	107	66	43	20	14	7	7	2	0	2
Asotin	283	50	125	69	17	5	7	3	0	3	1	3
Benton	1,930	315	610	456	235	98	60	47	32	15	10	52
Kennewick	819	105	222	213	119	49	30	27	19	9	2	24
Richland	447	109	175	92	34	10	9	4	4	2	1	7
Chelan	999	27	342	296	145	77	49	27	9	4	9	14
Wenatchee	496	12	188	142	71	30	25	13	2	2	5	6
Clallam	663	106	280	157	51	27	16	4	1	0	0	21
Port Angeles	231	43	97	52	19	8	4	2	0	0	0	6
Clark	4,019	678	1,580	948	344	170	123	79	31	13	28	25
Vancouver	1,171	216	379	287	106	70	38	30	15	4	11	15
Columbia	50	10	22	11	2	3	0	0	0	1	1	0
Cowlitz	1,240	25	486	451	153	65	25	14	9	2	7	3
Longview	514	6	208	188	77	21	4	3	3	1	3	0
Douglas	414	18	162	118	49	31	16	5	6	1	3	5
Ferry	87	6	43	15	11	5	3	2	1	0	0	1
Franklin	979	75	200	228	149	112	60	54	53	7	6	35
Pasco	654	34	118	166	101	79	42	38	42	4	4	26
Garfield	20	2	9	4	1	0	1	1	0	1	1	0
Grant	1,125	71	380	304	139	82	48	43	25	7	12	14
Grays Harbor	935	193	339	188	74	43	27	14	12	4	17	24
Aberdeen	277	52	97	58	28	14	8	5	5	1	4	5
Island	1,070	358	437	187	38	10	11	5	5	0	5	14
Oak Harbor	485	206	184	67	17	4	2	1	0	0	1	3
Jefferson	232	20	133	46	16	7	2	2	0	1	0	5
King	23,049	4,776	8,161	4,056	1,489	704	446	342	189	144	129	2,613
Auburn	677	83	195	135	85	45	26	17	12	10	3	66
Bellevue	1,082	197	457	202	76	28	25	22	11	5	1	58
Des Moines	180	26	63	40	13	6	2	2	0	1	3	24
Federal Way	1,238	105	401	369	135	60	37	31	23	4	6	67
Kent	1,160	228	332	211	87	34	19	24	15	12	5	193
Kirkland	758	199	281	120	35	11	12	8	4	1	1	86
Mercer Island	139	37	61	15	2	6	2	0	0	2	0	14
Redmond	595	146	226	122	30	9	9	7	2	3	2	39
Renton	804	182	260	141	37	23	12	13	3	4	2	127
Sea Tac	92	17	31	22	10	2	0	0	0	1	1	8
Seattle	6,847	1,431	2,444	1,126	423	221	125	96	46	35	50	850
Kitsap	3,557	424	1,349	1,008	374	181	92	46	30	7	11	35
Bremerton	1,099	91	422	328	116	64	33	23	10	4	4	4
Bainbridge Island	31	9	15	4	0	0	0	0	0	0	0	3
Kittitas	307	83	136	49	17	5	6	2	2	0	2	5
Klickitat	237	20	86	65	23	12	12	8	2	3	2	4

Table 19. Live Births by Month Prenatal Care Began by Place of Residence, 1992

County and City	Total	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth +	No Care	Unknown
Lewis	834	187	296	190	60	41	20	14	6	3	11	6
Lincoln	89	24	41	9	7	3	0	1	0	0	2	2
Mason	505	76	178	126	49	21	16	9	6	1	5	18
Okanogan	531	28	202	129	50	35	23	20	18	2	6	18
Pacific	223	22	89	48	24	21	5	5	5	0	1	3
Pend Oreille	138	18	62	34	12	4	3	1	3	0	0	1
Pierce	10,258	1,046	3,334	3,058	1,216	661	333	231	133	37	61	148
Puyallup	446	42	142	136	58	30	13	4	4	3	3	11
Tacoma	3,370	350	937	1,011	454	252	150	87	57	9	27	36
San Juan	114	11	35	37	10	9	4	2	1	0	3	2
Skagit	1,345	77	486	374	180	87	52	34	31	2	2	20
Mount Vernon	399	10	149	109	53	32	21	13	7	0	0	5
Skamania	77	8	35	16	8	4	2	2	1	0	0	1
Snohomish	8,113	1,865	3,242	1,451	540	286	143	103	50	27	31	375
Edmonds	398	141	127	77	10	8	8	4	4	1	1	17
Everett	1,830	302	751	365	155	94	52	44	11	1	7	48
Lynnwood	692	150	277	124	34	23	18	10	3	3	3	47
Mountlake Terrace	290	88	115	36	19	7	2	4	3	1	0	15
Spokane	5,517	1,645	2,413	847	270	128	67	28	24	19	28	48
Spokane (City)	3,382	1,104	1,444	474	151	81	39	19	13	13	18	26
Stevens	441	73	204	92	33	11	12	7	2	2	0	5
Thurston	2,440	579	982	434	129	65	42	18	17	12	15	147
Lacey	275	70	114	46	12	5	1	1	2	0	0	24
Olympia	727	196	297	105	34	23	10	4	2	3	4	49
Wahkiakum	27	1	11	10	5	0	0	0	0	0	0	0
Walla Walla	727	132	274	166	49	45	17	11	12	9	3	9
Walla Walla (City)	469	85	168	108	31	27	15	9	6	9	3	8
Whatcom	1,830	15	591	584	281	149	54	38	28	8	9	73
Bellingham	684	3	214	222	94	58	26	17	10	4	3	33
Whitman	388	71	186	70	28	14	0	0	0	1	1	17
Pullman	196	35	94	32	15	8	0	0	0	0	0	12
Yakima	4,327	882	1,250	906	406	270	179	100	90	35	68	141
Yakima (City)	1,466	360	461	291	126	68	52	31	15	6	15	41

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Mortality 1992



Table 20. Deaths by Selected Topics, 1992

A. Residence, Race by Sex

Race	Total	Male	Female
Total	38,068	19,827	18,241
White	35,910	18,576	17,334
African American	892	524	368
Native American	435	245	190
Japanese	150	81	69
Chinese	100	57	43
Filipino	160	110	50
Other Asian	357	192	165
Other	7	6	1
Unknown	57	36	21
Hispanic ¹	552	330	222

B. Residence, Infants Deaths by Race

Race	Number
Total	536
White	443
African American	50
Native American	24
Japanese	1
Chinese	0
Filipino	1
Other Asian	14
Other	0
Unknown	3
Hispanic ²	57

C. Residence, Age Group by Sex

Age Group	Total	Male	Female
Total	38,068	19,827	18,241
Under 1	537	298	239
1 - 4	122	71	51
5 - 14	139	86	53
15 - 19	224	152	72
20 - 24	362	288	74
25 - 34	954	695	259
35 - 44	1,525	1,079	446
45 - 54	2,096	1,333	763
55 - 64	3,943	2,344	1,599
65 - 74	8,350	4,792	3,558
75 - 84	10,889	5,630	5,259
85 - 94	7,394	2,701	4,693
95 and Over	1,532	358	1,174
Unknown	1	0	1

D. Residence, Life Expectancy³ by Age and Sex

Age Group	Total	Male	Female
0 - 1	77.3	74.2	80.3
1 - 5	76.8	73.8	79.8
5 - 10	72.9	69.9	75.9
10 - 15	68.0	64.9	70.9
15 - 20	63.0	60.0	66.0
20 - 25	58.2	55.3	61.1
25 - 30	53.5	50.7	56.2
30 - 35	48.8	46.1	51.4
35 - 40	44.0	41.4	46.5
40 - 45	39.4	36.9	41.7
45 - 50	34.7	32.3	37.0
50 - 55	30.2	27.9	32.3
55 - 60	25.9	23.7	27.9
60 - 65	21.8	19.6	23.7
65 - 70	18.1	16.0	19.8
70 - 75	14.6	12.8	16.1
75 - 80	11.6	10.0	12.8
80 - 85	9.0	7.6	9.8
85 and Over	6.8	5.7	7.3

¹Hispanic Origin is considered an ethnicity rather than a race. Deaths to people of Hispanic Origin are also counted under the race of the decedent. See Appendix A, "Hispanic Origin."

²Deaths to infants of Hispanic Origin are also counted under the race of the infant. See Appendix A, "Hispanic Origin."

³Life expectancy is computed for the age at the beginning of each age interval using the VISTA program.

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Table 20. Deaths by Selected Topics, 1992

E. Residence, Leading Causes of Death

Rank	Causes of Death	International List Numbers	Number	Percent ¹
	All Causes		38,068	100
1	Diseases of the Heart	391-3920,393-398,402,404, 410-417,420-429	11,161	29.3
2	Malignant Neoplasms	140-208,230-234	9,544	25.1
3	Cerebrovascular Disease	430-438	2,946	7.7
4	Chr. Obstructive Pulmonary Dis.	490-496	2,115	5.6
5	All Accidents	E800-E949	1,698	4.5
6	Influenza and Pneumonia	480-487	1,329	3.5
7	Diabetes Mellitus	250	857	2.3
8	Suicide	E950-E959	695	1.8
9	Diseases of the Arteries except Arteriosclerosis	441-444,446-448	545	1.4
10	Chronic Liver Disease and Cirrhosis	571	480	1.3
	All Other Causes		6,698	17.6

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Table 20. Deaths by Selected Topics, 1992

F. Residence and Occurrence, Month of Death

Month	Residence	Occurrence
Total	38,068	38,048
January	3,392	3,354
February	3,070	3,069
March	3,264	3,246
April	3,205	3,209
May	3,232	3,227
June	2,988	3,005
July	3,033	3,044
August	3,034	3,051
September	2,961	2,978
October	3,220	3,207
November	3,148	3,138
December	3,521	3,520

G. Residence, Marital Status by Sex

Marital Status	Total	Male	Female
Total	38,068	19,827	18,241
Single	3,973	2,696	1,277
Married	16,399	11,216	5,183
Divorced	4,311	2,462	1,849
Widowed	13,272	3,372	9,900
Unknown	113	81	32

H. Occurrence, Type of Place

Type of Place	Number
Total	38,048
General Hospital	15,100
Nursing Home	10,580
Home	9,669
Federal Facility	807
Psychiatric Hospital	26
Dead on Arrival	15
State Facility	4
Other and Unknown	1,847

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Table 21. Deaths to Residents by Leading Causes and Age Group by Sex, 1992

Age Group with Causes	International List Number	Total			Male			Female		
		Number	Rate ¹	Percent ²	Number	Rate ¹	Percent ²	Number	Rate ¹	Percent ²
All Ages										
All Causes		38,068	744.0	100.0	19,827	781.1	100.0	18,241	707.5	100.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	11,161	218.1	29.3	5,884	231.8	29.7	5,277	204.7	28.9
Malignant Neoplasms	140-208,230-234	9,544	186.5	25.1	5,026	198.0	25.3	4,518	175.2	24.8
Cerebrovascular Disease	430-438	2,946	57.6	7.7	1,134	44.7	5.7	1,812	70.3	9.9
Chronic Obstructive Pulmonary Diseases	490-496	2,115	41.3	5.6	1,086	42.6	5.5	1,029	39.9	5.6
All Accidents	E800-E949	1,698	33.2	4.5	1,160	45.7	5.9	538	20.9	2.9
Influenza and Pneumonia	480-487	1,329	26.0	3.5	594	23.4	3.0	735	28.5	4.0
Diabetes Mellitus	250	857	16.7	2.3	413	16.3	2.1	444	17.2	2.4
Suicide	E950-E959	695	13.6	1.8	546	21.5	2.8	149	5.8	0.8
Diseases of the Arteries Except Arteriosclerosis	441-444,446-448	545	10.7	1.4	326	12.8	1.6	219	8.5	1.2
Chronic Liver Disease and Cirrhosis	571	480	9.4	1.3	304	12.0	1.5	176	6.8	1.0
All Other Causes		6,698	130.9	17.6	3,354	132.1	16.9	3,344	129.7	18.3
Under 1										
All Causes		536	672.8	100.0	297	728.4	100.0	239	614.4	100.0
Certain Conditions in Perinatal Period	760-762,764-766, 770-779	149	187.0	27.8	81	198.7	27.3	68	174.8	28.5
Congenital Anomalies	740-759	138	173.2	25.7	78	191.3	26.3	60	154.3	25.1
Sudden Infant Death Syndrome	798.0	130	163.2	24.3	69	169.2	23.2	61	156.8	25.5
Birth Injury, etc.	763,767-769	22	27.6	4.1	13	31.9	4.4	9	23.1	3.8
All Accidents	E800-E949	11	13.8	2.1	7	17.2	2.4	4	10.3	1.7
All Other Causes		86	108.2	16.0	49	120.2	16.5	37	95.1	15.5
1 - 4										
All Causes		123	38.7	100.0	72	44.2	100.0	51	32.9	100.0
All Accidents	E800-E949	49	15.4	39.8	31	19.0	43.1	18	11.6	35.3
Congenital Anomalies	740-759	12	3.8	9.8	7	4.3	9.7	5	3.2	9.8
Homicide	E960-E969	10	3.1	8.1	8	4.9	11.1	2	1.3	3.9
Malignant Neoplasms	140-208,230-234	10	3.1	8.1	5	3.1	6.9	5	3.2	9.8
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	5	1.6	4.1	0	0.0	0.0	5	3.2	9.8
All Other Causes		37	11.6	30.1	21	12.9	29.2	16	10.3	31.4
5 - 14										
All Causes		139	18.4	100.0	86	22.1	100.0	53	14.4	100.0
All Accidents	E800-E949	53	7.0	38.1	36	9.3	41.9	17	4.6	32.1
Malignant Neoplasms	140-208,230-234	20	2.6	14.4	16	4.1	18.6	4	1.1	7.5
Suicide	E950-E959	12	1.6	8.6	6	1.5	7.0	6	1.6	11.3
Congenital Anomalies	740-759	10	1.3	7.2	5	1.3	5.8	5	1.4	9.4
Homicide	E960-E969	7	0.9	5.0	2	0.5	2.3	5	1.4	9.4
All Other Causes		37	4.9	26.6	21	5.4	24.4	16	4.3	30.2
15 - 19										
All Causes		224	68.7	100.0	152	90.3	100.0	72	45.7	100.0
All Accidents	E800-E949	105	32.2	46.9	73	43.4	48.0	32	20.3	44.4
Homicide	E960-E969	40	12.3	17.9	25	14.9	16.4	15	9.5	20.8
Suicide	E950-E959	33	10.1	14.7	25	14.9	16.4	8	5.1	11.1
Malignant Neoplasms	140-208,230-234	13	4.0	5.8	7	4.2	4.6	6	3.8	8.3
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	6	1.8	2.7	5	3.0	3.3	1	0.6	1.4
All Other Causes		27	8.3	12.1	17	10.1	11.2	10	6.3	13.9
20 - 24										
All Causes		362	99.2	100.0	288	152.7	100.0	74	42.0	100.0
All Accidents	E800-E949	164	44.9	45.3	137	72.7	47.6	27	15.3	36.5
Suicide	E950-E959	72	19.7	19.9	61	32.3	21.2	11	6.2	14.9
Homicide	E960-E969	47	12.9	13.0	37	19.6	12.8	10	5.7	13.5
Malignant Neoplasms	140-208,230-234	20	5.5	5.5	13	6.9	4.5	7	4.0	9.5
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	9	2.5	2.5	6	3.2	2.1	3	1.7	4.1
All Other Causes		50	13.7	13.8	34	18.0	11.8	16	9.1	21.6
25 - 34										
All Causes		954	111.0	100.0	695	161.1	100.0	259	60.5	100.0
All Accidents	E800-E949	287	33.4	30.1	214	49.6	30.8	73	17.1	28.2
Suicide	E950-E959	145	16.9	15.2	122	28.3	17.6	23	5.4	8.9
Human Immunodeficiency Virus	042-044	143	16.6	15.0	133	30.8	19.1	10	2.3	3.9
Malignant Neoplasms	140-208,230-234	99	11.5	10.4	53	12.3	7.6	46	10.7	17.8
Homicide	E960-E969	86	10.0	9.0	63	14.6	9.1	23	5.4	8.9
All Other Causes		194	22.6	20.3	110	25.5	15.8	84	19.6	32.4

Table 21. Deaths to Residents by Leading Causes and Age Group by Sex, 1992

Age Group with Causes	International List Number	Number	Total		Male		Female			
			Rate ¹	Percent ²	Number	Rate ¹	Percent ²	Number	Rate ¹	Percent ²
35-44										
All Causes		1,525	176.6	100.0	1,079	249.3	100.0	446	103.5	100.0
Malignant Neoplasms	140-208,230-234	294	34.0	19.3	146	33.7	13.5	148	34.4	33.2
All Accidents	E800-E949	256	29.6	16.8	200	46.2	18.5	56	13.0	12.6
Human Immunodeficiency Virus	042-044	197	22.8	12.9	193	44.6	17.9	4	0.9	0.9
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	180	20.8	11.8	141	32.6	13.1	39	9.1	8.7
Suicide	E950-E959	165	19.1	10.8	121	28.0	11.2	44	10.2	9.9
All Other Causes		433	50.1	28.4	278	64.2	25.8	155	36.0	34.8
45-54										
All Causes		2,096	371.7	100.0	1,333	468.5	100.0	763	273.0	100.0
Malignant Neoplasms	140-208 230-234	754	133.7	36.0	365	128.3	27.4	389	139.2	51.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	473	83.9	22.6	377	132.5	28.3	96	34.4	12.6
All Accidents	E800-E949	148	26.2	7.1	111	39.0	8.3	37	13.2	4.8
Chronic Liver Disease and Cirrhosis	571	83	14.7	4.0	57	20.0	4.3	26	9.3	3.4
Suicide	E950-E959	82	14.5	3.9	63	22.1	4.7	19	6.8	2.5
All Other Causes		556	98.6	26.5	360	126.5	27.0	196	70.1	25.7
55-64										
All Causes		3,943	1021.0	100.0	2,344	1239.3	100.0	1,599	811.5	100.0
Malignant Neoplasms	140-208 230-234	1,605	415.6	40.7	873	461.6	37.2	732	371.5	45.8
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	1,060	274.5	26.9	737	389.7	31.4	323	163.9	20.2
Chronic Obstructive Pulmonary Diseases	490-496	241	62.4	6.1	126	66.6	5.4	115	58.4	7.2
Cerebrovascular Disease	430-438	161	41.7	4.1	88	46.5	3.8	73	37.0	4.6
Chronic Liver Disease and Cirrhosis	571	127	32.9	3.2	72	38.1	3.1	55	27.9	3.4
All Other Causes		749	193.9	19.0	448	236.9	19.1	301	152.8	18.8
65-74										
All Causes		8,350	2422.4	100.0	4,792	3061.5	100.0	3,558	1890.8	100.0
Malignant Neoplasms	140-208 230-234	2,979	864.2	35.7	1,653	1056.1	34.5	1,326	704.7	37.3
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	2,407	698.3	28.8	1,526	974.9	31.8	881	468.2	24.8
Chronic Obstructive Pulmonary Diseases	490-496	676	196.1	8.1	340	217.2	7.1	336	178.6	9.4
Cerebrovascular Disease	430-438	478	138.7	5.7	249	159.1	5.2	229	121.7	6.4
Diabetes Mellitus	250	255	74.0	3.1	117	74.7	2.4	138	73.3	3.9
All Other Causes		1,555	451.1	18.6	907	579.5	18.9	648	344.4	18.2
75-84										
All Causes		10,889	5649.5	100.0	5,630	7256.1	100.0	5,259	4567.0	100.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	3,548	1840.8	32.6	1,925	2481.0	34.2	1,623	1409.4	30.9
Malignant Neoplasms	140-208 230-234	2,655	1377.5	24.4	1,394	1796.6	24.8	1,261	1095.1	24.0
Cerebrovascular Disease	430-438	1,027	532.8	9.4	444	572.2	7.9	583	506.3	11.1
Chronic Obstructive Pulmonary Diseases	490-496	822	426.5	7.5	425	547.8	7.5	397	344.8	7.5
Influenza and Pneumonia	480-487	404	209.6	3.7	210	270.7	3.7	194	168.5	3.7
All Other Causes		2,433	1262.3	22.3	1,232	1587.8	21.9	1,201	1043.0	22.8
85 and Over										
All Causes		8,926	14714.6	100.0	3,059	17421.3	100.0	5,867	13611.9	100.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	3,405	5613.2	38.1	1,122	6389.9	36.7	2,283	5296.7	38.9
Cerebrovascular Disease	430-438	1,177	1940.3	13.2	301	1714.2	9.8	876	2032.4	14.9
Malignant Neoplasms	140-208 230-234	1,094	1803.5	12.3	500	2847.5	16.3	594	1378.1	10.1
Influenza and Pneumonia	480-487	662	1091.3	7.4	236	1344.0	7.7	426	988.4	7.3
Chronic Obstructive Pulmonary Diseases	490-496	309	509.4	3.5	157	894.1	5.1	152	352.7	2.6
All Other Causes		2,279	3756.9	25.5	743	4231.4	24.3	1,536	3563.6	26.2
Age Unknown										
All Causes		1		100.0				1		100.0
Diseases of the Heart	391-2.0,393-8,402, 404,410-7,420-9	1		100.0				1		100.0

¹Rate per 100,000 population in each age-sex group

²Percent of total deaths in each age-sex group. Detail may not add up to 100 percent due to rounding.

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Table 22. Deaths to Residents by Selected Causes by Sex, 1992

Cause with International List Number	Total		Male		Female	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Total All Causes	[38,068] ²	[744.0]	[19,827]	[781.2]	[18,241]	[707.5]
Infectious and Parasitic Diseases	[865]	[16.9]	[646]	[25.5]	[219]	[8.5]
Tuberculosis (010-018,137)	22	0.4	14	0.6	8	0.3
Septicemia (038)	206	4.0	82	3.2	124	4.8
Human Immunodeficiency Virus (042-044)	451	8.8	428	16.9	23	.9
Other (000-139)	186	3.6	122	4.8	64	2.5
Neoplasms	[9,636]	[188.3]	[5,067]	[199.6]	[4,569]	[177.2]
Malignant Neoplasms (140-208,230-234)	9,544	186.5	5,026	198.0	4,518	175.2
Benign and Unspecified Neoplasms (210-229, 235-239)	92	1.8	41	1.6	51	2.0
Endocrine, Nutritional, Metabolic Diseases and Immunity Disorders	[1,187]	[23.2]	[553]	[21.8]	[634]	[24.6]
Diabetes Mellitus (250)	857	16.7	413	16.3	444	17.2
Nutritional Deficiencies (260-269)	54	1.1	15	0.6	39	1.5
Other (240-279)	276	5.4	125	4.9	151	5.9
Diseases of Blood and Blood-Forming Organs	[128]	[2.5]	[54]	[2.1]	[74]	[2.9]
Anemia (280-285)	51	1.0	18	0.7	33	1.3
Other (286-289)	77	1.5	36	1.4	41	1.6
Mental Disorders	[663]	[13.0]	[261]	[10.3]	[402]	[15.6]
Alcohol-Related (291,303,305)	113	2.2	85	3.3	28	1.1
Other (290-319)	550	10.7	176	6.9	374	14.5
Diseases of the Nervous System and Sense Organs	[1,016]	[19.9]	[473]	[18.6]	[543]	[21.1]
Parkinson's Disease (332)	223	4.4	136	5.4	87	3.4
Amyotrophic Lateral Sclerosis (335.2)	102	2.0	55	2.2	47	1.8
Other Hereditary and Degenerative Diseases of the Central Nervous System (330-337)	476	9.3	172	6.8	304	11.8
Multiple Sclerosis (340)	57	1.1	15	0.6	42	1.6
Other (320-326,340-389)	158	3.1	95	3.7	63	2.4
Diseases of the Circulatory System	[15,293]	[298.9]	[7,604]	[299.6]	[7,689]	[298.2]
Diseases of the Heart (391-392.0,393-398,402,404, 410-417,420-429)	[11,161]	[218.1]	[5,884]	[231.8]	[5,277]	[204.7]
Chronic Rheumatic Heart Disease (391-392.0,393-398)	140	2.7	42	1.7	98	3.8
Hypertensive Heart Disease (402)	331	6.5	122	4.8	209	8.1
Hypertensive Heart and Renal Disease (404)	43	0.8	21	0.8	22	0.9
Acute Ischemic Heart Disease (410,411)	3,335	65.2	1,913	75.4	1,422	55.2
Chronic Ischemic Heart Disease (412-414)	3,731	72.9	2,034	80.1	1,697	65.8
Other Heart Disease (415-417,420-429)	3,581	70.0	1,752	69.0	1,829	70.9
Hypertensive Disease (401,403)	181	3.5	73	2.9	108	4.2
Cerebrovascular Disease (430-438)	2,946	57.6	1,134	44.7	1,812	70.3
Arteriosclerosis (440)	411	8.0	157	6.2	254	9.9
Other (390-459)	594	11.6	356	14.0	238	9.2
Diseases of the Respiratory System	[3,872]	[75.7]	[1,916]	[75.5]	[1,956]	[75.9]
Chronic and Unqualified Bronchitis (490-491)	81	1.6	39	1.5	42	1.6
Emphysema (492)	340	6.6	184	7.2	156	6.1
Asthma (493)	123	2.4	39	1.5	84	3.3
Other Chronic Obstructive Pulmonary Diseases (494-496)	1,571	30.7	824	32.5	747	29.0
Pneumonia (480-486)	1,306	25.5	587	23.1	719	27.9
Influenza (487)	23	0.4	7	0.3	16	0.6
Other (460-478,500-519)	428	8.4	236	9.3	192	7.4

Table 22. Deaths to Residents by Selected Causes by Sex, 1992

Cause with International List Number	Total		Male		Female	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Diseases of the Digestive System	[1,348] ²	[26.3]	[697]	[27.5]	[651]	[25.3]
Ulcer of Stomach and Duodenum (531-533)	102	2.0	53	2.1	49	1.9
Hernia and Intestinal Obstruction (550-553,560)	119	2.3	50	2.0	69	2.7
Chronic Liver Disease and Cirrhosis (571)	480	9.4	304	12.0	176	6.8
Cholelithiasis, Cholecystitis, and Cholangitis (574-576)	54	1.1	28	1.1	26	1.0
Other (520-579)	593	11.6	262	10.3	331	12.8
Diseases of the Genitourinary System	[415]	[8.1]	[187]	[7.4]	[228]	[8.8]
Nephritis, Nephrotic Syndrome, and Nephrosis (580-589)	183	3.6	89	3.5	94	3.6
Other (590-629)	232	4.5	98	3.9	134	5.2
Complications of Pregnancy, Childbirth, and the Puerperium (630-676)	[3]	[0.1]	[0]	[0.0]	[3]	[0.1]
Diseases of the Skin and Subcutaneous Tissue (680-709)	[34]	[0.7]	[14]	[0.6]	[20]	[0.8]
Diseases of the Musculoskeletal System and Connective Tissue (710-739)	[178]	[3.5]	[48]	[1.9]	[130]	[5.0]
Congenital Anomalies (740-759)	[251]	[4.9]	[124]	[4.9]	[127]	[4.9]
Birth Injuries, Difficult Labor, and Other Anoxic and Hypoxic Conditions (763,767-769)	[24]	[0.5]	[13]	[0.5]	[11]	[0.4]
Certain Conditions in the Perinatal Period (760-762,764-766,770-779)	[149]	[2.9]	[81]	[3.2]	[68]	[2.6]
Symptoms, Signs, and Other Ill-Defined Conditions (780-799)	[227]	[4.4]	[110]	[4.3]	[117]	[4.5]
Sudden Infant Death Syndrome (798.0)	130	2.5	69	2.7	61	2.4
Other (780-799)	97	1.9	41	1.6	56	2.2
Accidents	[1,698]	[33.2]	[1,160]	[45.7]	[538]	[20.9]
Motor Vehicle (E810-E825,E929.0)	716	14.0	484	19.1	232	9.0
Water Transport (E830-E838)	[27]	[0.5]	[26]	[1.0]	[1]	[0.0]
Drownings Due to (E830, E832)	21	0.4	21	0.8	0	0.0
Other Water Transport (E831, E833-E838)	6	0.1	5	0.2	1	0.0
Air and Space Transport (E840-E845)	64	1.3	55	2.2	9	0.3
Accidental Poisoning (E850-E869,E929.2)	147	2.9	111	4.4	36	1.4
Falls (E880-E888,E929.3)	298	5.8	151	5.9	147	5.7
Fire (E890-E899,E929.4)	55	1.1	40	1.6	15	0.6
Accidental Drowning (E910)	99	1.9	80	3.2	19	0.7
Other (E800-E949)	292	5.7	213	8.4	79	3.1
Suicide (E950-E959)	[695]	[13.6]	[546]	[21.5]	[149]	[5.8]
Firearms and Explosives (E955)	389	7.6	334	13.2	55	2.1
Other (E950-E954,E956-E959)	306	6.0	212	8.4	94	3.6
Homicide (E960-E969)	[291]	[5.7]	[206]	[8.1]	[85]	[3.3]
Firearms and Explosives (E965)	168	3.3	118	4.6	50	1.9
Other (E960-E964,E966-E969)	123	2.4	88	3.5	35	1.4
Legal Intervention (E970-E978)	[5]	[0.1]	[5]	[0.2]	[0]	[0.0]
Undetermined External Injuries (E980-E989)	[90]	[1.8]	[62]	[2.4]	[28]	[1.1]
Injury Resulting From Operations of War (E990-E999)						

¹Rates per 100,000 population

²Group totals are shown in brackets.

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Table 23. Deaths to Residents Due to Malignant Neoplasm by Primary Site by Sex, 1992

Cause with International List Number	Total		Male		Female	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Total All Causes	[9,544] ²	[186.5]	[5,026]	[198.0]	[4,518]	[175.2]
Lip, Oral Cavity, and Pharynx (140-149,230.0)	[149]	[2.9]	[94]	[3.7]	[55]	[2.1]
Digestive Organs and Peritoneum (150-159,230.1-230.9)	[2,152]	[42.1]	[1,126]	[44.4]	[1,026]	[39.8]
Esophagus (150,230.1)	184	3.6	131	5.2	53	2.1
Stomach (151,230.2)	221	4.3	134	5.3	87	3.4
Small Intestine, Including Duodenum (152)	29	0.6	17	0.7	12	0.5
Colon (153,230.3)	808	15.8	383	15.1	425	16.5
Rectum (154,230.4-230.6)	151	3.0	81	3.2	70	2.7
Liver and Intrahepatic Ducts (155,230.8)	169	3.3	95	3.7	74	2.9
Gallbladder and Extrahepatic Bile Ducts (156)	59	1.2	22	0.9	37	1.4
Pancreas (157)	482	9.4	236	9.3	246	9.5
Retropertoneum and Peritoneum (158)	14	0.3	9	0.4	5	0.2
Other and Ill-Defined Sites (159,230.7,230.9)	35	0.7	18	0.7	17	0.7
Respiratory and Intrathoracic Organs (160-165,231)	[2,919]	[57.0]	[1,775]	[69.9]	[1,144]	[44.4]
Lung (162,231.1,231.2)	2,815	55.0	1,697	66.9	1,118	43.4
Other and Ill-Defined Sites (160-161,163-165,231.0,231.8,231.9)	104	2.0	78	3.1	26	1.0
Bone, Connective Tissue, Skin and Breast (170-175,232,233.0)	[1,055]	[20.6]	[164]	[6.5]	[891]	[34.6]
Bone and Articular Cartilage (170)	16	0.3	11	0.4	5	0.2
Connective Tissue and Other Soft Tissue (171)	77	1.5	35	1.4	42	1.6
Skin (172-173,232)	177	3.5	114	4.5	63	2.4
Breast (174,175,233.0)	785	15.3	4	0.2	781	30.3
Genital Organs (179-187,233.1-233.6)	[1,123]	[21.9]	[658]	[25.9]	[465]	[18.0]
Urinary Organs (188-189,233.7-233.9)	[379]	[7.4]	[243]	[9.6]	[136]	[5.3]
Brain (191)	[268]	[5.2]	[158]	[6.2]	[110]	[4.3]
Other and Ill-Defined Sites (190,192-199,234)	[511]	[10.0]	[267]	[10.5]	[244]	[9.5]
Lymphatic and Hematopoietic Tissue (200-208)	[988]	[19.3]	[541]	[21.3]	[447]	[17.3]
Lymphosarcoma (200)	49	1.0	29	1.1	20	0.8
Hodgkins Disease (201)	18	0.4	10	0.4	8	0.3
Lymphoid and Histiocytic Tissue (202)	373	7.3	187	7.4	186	7.2
Multiple Myeloma and Immunoproliferative Tissue (203)	173	3.4	100	3.9	73	2.8
Lymphoid Leukemia (204)	122	2.4	82	3.2	40	1.6
Myeloid Leukemia (205)	207	4.0	109	4.3	98	3.8
Monocytic Leukemia (206)	13	0.3	8	0.3	5	0.2
Other and Unspecified Leukemia (207-208)	33	0.6	16	0.6	17	0.7

¹Rates per 100,000 population

²Group totals are shown in brackets.

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Table 24. Deaths to Residents by Non-Transport Causes by Place of Accident, 1992

Cause of Death	Total	Home	Nursing				Public	Unknown
			Home	Agriculture	Industry			
State Total	870	330	52	12	22	183	271	
Poisoning by Drugs, Medicaments and Biologicals (E850-E858)	134	92	0	0	0	14	28	
Poisoning by Other Solid and Liquid Substances, Gases and Vapors (E860-E869)	11	4	0	0	0	2	5	
Misadventures and Abnormal Reactions Due to Surgical and Medical Care (E870-E879)	28	0	0	0	0	12	16	
Falls (E880-E888, E929.3)	[298] ¹	[117]	[50]	[2]	[1]	[52]	[76]	
Falls on/From Stairs or Ladders (E880-E881)	29	25	1	0	0	3	0	
Falls from One Level to Another (E882-E884)	69	16	8	2	1	28	14	
Falls on Same Level (E885-E886)	16	7	4	0	0	4	1	
Other and Unspecified Fall (E887-E888)	183	69	37	0	0	17	60	
Late Effects of Accidental Fall (E929.3)	1	0	0	0	0	0	1	
Fire (E890-E899, E929.4)	55	48	0	0	0	4	3	
Natural and Environmental Factors (E900-E909, E929.5)	19	0	0	4	1	6	8	
Drowning, Excluding Submersion Following Boating Accidents (E910)	99	20	0	0	0	57	22	
Inhalation and Ingestion of Food or Other Object Causing Suffocation and Obstruction (E911-E912)	45	7	1	0	0	1	36	
Mechanical Suffocation (E913)	26	16	1	0	2	1	6	
Foreign Body Entering Other Orifice (E914-E915)	0	0	0	0	0	0	0	
Struck by, Against or Between Objects (E916-E918)	35	4	0	3	8	15	5	
Machinery (E919-E920)	23	4	0	3	5	9	2	
Explosion and Explosive Material (E921,E923)	2	0	0	0	1	1	0	
Firearms (E922)	20	10	0	0	0	3	7	
Hot Substance, Corrosive Liquid and Steam (E924)	3	3	0	0	0	0	0	
Electricity (E925)	4	0	0	0	1	2	1	
Other Non-Transport Late Effects (E929.2, E929.8-E929.9)	17	2	0	0	1	1	13	
Other and Unspecified Non-Transport Accidents (E926-E928, E930-E949)	51	3	0	0	2	3	43	

¹ Group totals for falls are shown in brackets.

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Table 25. Deaths by Place of Residence and Occurrence, 1992

County and City	Residence		Occurrence	
	Total	Rate ¹	Total	Rate ¹
State Total	38,068	7.4	38,048	7.4
Adams	100	7.1	91	6.5
Asotin	193	10.7	156	8.7
Benton	760	6.4	668	5.6
Kennewick	333	7.5	326	7.3
Richland	202	6.0	244	7.3
Chelan	538	9.9	659	12.1
Wenatchee	267	11.8	493	21.7
Clallam	718	12.0	649	10.8
Port Angeles	233	12.9	388	21.5
Clark	1,814	7.0	1,563	6.1
Vancouver	637	13.5	1,259	26.6
Columbia	52	13.0	39	9.8
Cowlitz	755	8.9	774	9.2
Longview	349	10.9	658	20.5
Douglas	185	6.6	84	3.0
Ferry	41	6.1	27	4.0
Franklin	238	6.1	250	6.4
Pasco	165	7.9	229	11.0
Garfield	31	13.5	24	10.4
Grant	428	7.4	338	5.8
Grays Harbor	687	10.5	588	9.0
Aberdeen	202	12.1	363	21.8
Island	411	6.3	319	4.9
Oak Harbor	79	4.3	94	5.1
Jefferson	203	9.0	154	6.8
King	10,900	7.0	11,883	7.6
Auburn	283	8.3	398	11.6
Bellevue	531	6.0	599	6.8
Des Moines	209	11.5	255	14.0
Federal Way	326	4.5	349	4.8
Kent	254	6.3	159	3.9
Kirkland	287	6.9	555	13.4
Mercer Island	143	6.7	84	4.0
Redmond	171	4.4	300	7.7
Renton	326	7.6	652	15.1
Sea Tac	54	2.4	33	1.4
Seattle	5,230	10.0	7,812	15.0
Kitsap	1,351	6.6	1,260	6.1
Bremerton	375	9.6	795	20.4
Bainbridge Island	5	0.3	7	0.4
Kittitas	216	7.8	204	7.3
Klickitat	174	10.2	138	8.1

Table 25. Deaths by Place of Residence and Occurrence, 1992

County and City	Residence		Occurrence	
	Total	Rate ¹	Total	Rate ¹
Lewis	627	10.2	545	8.9
Lincoln	108	12.0	84	9.3
Mason	409	9.9	294	7.1
Okanogan	328	9.5	293	8.5
Pacific	227	11.7	188	9.7
Pend Oreille	92	9.8	72	7.7
Pierce	4,431	7.1	4,450	7.1
Puyallup	264	10.4	705	27.8
Tacoma	1,800	10.1	3,166	17.7
San Juan	96	8.5	79	7.0
Skagit	792	9.3	824	9.6
Mount Vernon	184	9.4	331	16.9
Skamania	59	6.8	35	4.0
Snohomish	2,965	6.0	2,689	5.4
Edmonds	270	8.8	454	14.8
Everett	700	9.2	1,103	14.5
Lynnwood	235	8.1	197	6.8
Mountlake Terrace	74	3.7	48	2.4
Spokane	3,225	8.6	3,689	9.8
Spokane (City)	1,939	10.7	3,412	18.9
Stevens	277	8.6	223	6.9
Thurston	1,219	7.0	1,331	7.6
Lacey	191	9.0	180	8.5
Olympia	404	11.3	1,021	28.5
Wahkiakum	34	10.0	27	7.9
Walla Walla	521	10.3	596	11.8
Walla Walla (City)	334	11.9	524	18.6
Whatcom	1,014	7.4	998	7.3
Bellingham	503	9.3	778	14.3
Whitman	204	5.3	158	4.1
Pullman	47	2.0	50	2.2
Yakima	1,645	8.5	1,605	8.3
Yakima (City)	734	12.5	1,116	19.0

¹Rates per 1,000 population

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Table 26. Age-Adjusted Death Rates¹ from All Causes by Sex, 1983 - 1992

County	Total			Males			Females		
	Number of Deaths	Death Rate	Std.Err.	Number of Deaths	Death Rate	Std.Err.	Number of Deaths	Death Rate	Std.Err.
State Total	354,238	474.1	0.8	185,363	606.7	1.4	168,875	363.4	1.0
Adams	1,030	499.6	15.9	571	638.2	25.7	459	373.3	18.9
Asotin	1,798	490.9	13.6	931	638.3	22.8	867	369.2	15.7
Benton	6,679	455.4	5.4	3,597	576.2	8.7	3,082	354.7	6.6
Chelan	5,011	477.6	7.8	2,599	614.1	12.8	2,412	359.2	9.1
Clallam	5,808	475.4	7.3	3,088	592.5	11.7	2,720	369.9	8.9
Clark	15,593	482.5	3.9	8,377	624.1	6.4	7,216	365.6	4.7
Columbia	510	508.5	27.2	255	651.6	45.6	255	392.9	30.4
Cowlitz	7,022	502.6	6.4	3,686	631.0	10.2	3,336	391.6	7.7
Douglas	1,835	467.5	11.2	1,029	600.3	18.0	806	345.2	13.3
Ferry	447	570.6	27.1	278	739.4	43.3	169	389.1	31.0
Franklin	2,460	513.9	10.2	1,365	646.0	16.3	1,095	392.5	12.3
Garfield	294	418.7	29.4	148	497.6	44.6	146	360.7	39.9
Grant	3,956	481.8	7.8	2,246	591.6	12.2	1,710	378.2	9.7
Grays Harbor	6,900	568.5	7.5	3,726	711.7	11.8	3,174	441.8	9.2
Island	3,917	439.2	7.2	2,098	533.0	11.4	1,819	351.8	8.7
Jefferson	1,855	434.5	11.8	1,017	546.1	19.2	838	328.2	13.9
King	103,975	461.9	1.5	52,896	596.6	2.5	51,079	354.0	1.8
Kitsap	12,168	456.6	4.3	6,272	562.5	6.7	5,896	367.6	5.3
Kittitas	2,111	471.3	11.3	1,163	618.0	18.4	948	342.5	13.2
Klickitat	1,445	508.1	14.4	823	643.7	22.6	622	391.0	17.9
Lewis	5,880	510.8	7.5	3,139	663.5	12.3	2,741	377.1	8.8
Lincoln	1,094	491.0	19.2	576	579.8	29.1	518	414.6	25.2
Mason	3,379	484.4	8.9	1,887	592.3	13.8	1,492	378.7	11.0
Okanogan	3,153	525.6	10.2	1,772	677.9	16.5	1,381	385.3	12.0
Pacific	2,442	544.4	13.0	1,328	680.6	20.9	1,114	422.8	15.6
Pend Oreille	875	562.6	20.6	501	712.8	33.3	374	421.3	24.3
Pierce	40,818	506.8	2.6	21,488	650.9	4.2	19,330	388.5	3.1
San Juan	799	354.5	15.5	427	458.9	26.9	372	236.3	16.6
Skagit	7,051	475.4	6.3	3,699	604.2	10.3	3,352	360.5	7.3
Skamania	517	453.6	19.7	303	569.5	31.6	214	346.2	23.9
Snohomish	26,859	465.0	2.8	14,179	592.3	4.6	12,680	359.6	3.4
Spokane	30,819	485.1	3.0	15,810	636.5	5.0	15,009	365.7	3.6
Stevens	2,507	497.9	10.7	1,422	650.0	17.5	1,085	356.1	12.3
Thurston	10,793	446.6	4.5	5,591	574.9	7.3	5,202	344.2	5.4
Wahkiakum	362	445.0	26.8	188	548.5	43.3	174	352.0	32.1
Walla Walla	4,908	469.4	7.8	2,537	614.8	12.8	2,371	343.8	9.2
Whatcom	9,082	417.0	4.8	4,619	531.3	7.8	4,463	322.3	5.7
Whitman	2,120	392.8	9.4	1,132	491.0	14.8	988	308.5	11.7
Yakima	15,966	507.0	4.4	8,600	654.3	7.1	7,366	379.3	5.2

¹Rates per 100,000 population. Age adjustment is to the 1940 U.S. population.

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Table 27. Deaths Occurring Within State by Month of Death by Selected Causes, 1992

Cause of Death and International List Number	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total All Causes	38,048	3,354	3,069	3,246	3,209	3,227	3,005	3,044	3,051	2,978	3,207	3,138	3,520
Infectious and Parasitic Diseases (001-139)	866	56	74	66	66	86	77	74	79	76	69	65	78
Malignant Neoplasms (140-208, 230-234)	9,610	793	715	809	767	858	735	777	823	819	864	824	826
Diabetes (250)	854	84	48	80	90	63	65	76	53	70	64	83	78
Diseases of the Heart (391-392.0, 393-398, 402, 404, 410-417, 420-429)	11,165	1,005	942	960	944	905	877	889	846	859	941	905	1,092
Cerebrovascular Disease (430-438)	2,955	243	239	240	244	265	247	227	238	228	240	262	282
Pneumonia (480-486)	1,302	142	119	131	127	114	81	78	84	75	109	105	137
Influenza (487)	24	6	9	1	2	0	0	1	1	0	1	1	2
Bronchitis (490-491)	80	5	8	7	7	8	7	10	8	3	5	7	5
Emphysema (492)	331	39	35	26	21	29	20	26	20	30	34	21	30
Asthma (493)	122	17	7	10	10	12	11	17	4	9	8	5	12
Other Chronic Obstructive Diseases (494-496)	1,577	151	147	140	145	133	108	120	119	108	121	133	152
Congenital Anomalies (740-759)	243	25	23	20	19	19	21	21	15	24	24	16	16
Certain Conditions in Perinatal Period (760-779)	176	20	10	13	22	17	11	15	14	17	12	15	10
Other Diseases (001-799)	6,037	568	490	524	545	504	482	461	492	446	478	494	553
Motorcycle Accidents (E810.2-.3 - E825.2-.3)	49	0	3	9	7	10	4	6	6	1	1	2	0
Other Motor Vehicle Accidents (E810-E825)	633	43	48	44	39	45	64	49	65	62	65	39	70
Late Effects of Motor Vehicle Accidents (E929.0)	4	0	0	2	1	0	0	0	1	0	0	0	0
Drowning Due to Water Transport Accidents (E830, E832)	21	1	0	3	1	0	3	2	3	4	1	0	3
Accidental Drowning (E910)	98	7	7	6	4	11	15	18	16	2	7	4	1
Falls (E880-E888, E929.3)	291	18	19	24	26	20	22	33	32	29	23	20	25
Fire (E890-E899, E929.4)	54	10	3	7	6	2	4	1	3	2	1	2	13
Other Accidents (E800-E949)	483	29	37	39	35	45	42	44	40	38	42	50	42
Suicide (E950-E959)	685	60	56	60	55	47	77	60	59	36	64	56	55
Homicide (E960-E969)	290	22	22	20	18	25	29	29	24	27	26	17	31
Other External Events (E970-E999)	98	10	8	5	8	9	3	10	6	13	7	12	7

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Table 28. Deaths by Sex and Race by Place of Residence, 1992

County and City	Total	Male	Female	White	African Amer.	Native Amer.	Japa-nese	Chinese	Filipino	Other Asian	Other	Unk.	Hispanic ¹
State Total	38,068	19,827	18,241	35,910	892	435	150	100	160	357	7	57	552
Adams	100	62	38	99	1	0	0	0	0	0	0	0	12
Asotin	193	104	89	191	0	2	0	0	0	0	0	0	0
Benton	760	408	352	749	6	1	0	0	1	3	0	0	13
Kennewick	333	179	154	327	5	0	0	0	0	1	0	0	5
Richland	202	99	103	198	1	1	0	0	1	1	0	0	2
Chelan	538	283	255	535	0	3	0	0	0	0	0	0	9
Wenatchee	267	140	127	266	0	1	0	0	0	0	0	0	6
Clallam	718	362	356	699	0	17	0	0	0	1	0	1	1
Port Angeles	233	108	125	230	0	2	0	0	0	0	0	1	0
Clark	1,814	975	839	1,781	15	4	3	0	3	2	0	6	16
Vancouver	637	320	317	624	6	2	2	0	1	0	0	2	2
Columbia	52	27	25	52	0	0	0	0	0	0	0	0	0
Cowlitz	755	396	359	746	2	3	0	1	0	3	0	0	5
Longview	349	180	169	343	2	0	0	1	0	3	0	0	2
Douglas	185	97	88	182	0	1	0	0	0	0	0	2	4
Ferry	41	30	11	34	0	7	0	0	0	0	0	0	0
Franklin	238	125	113	218	18	0	0	0	0	2	0	0	21
Pasco	165	91	74	146	18	0	0	0	0	1	0	0	16
Garfield	31	17	14	31	0	0	0	0	0	0	0	0	0
Grant	428	243	185	408	10	3	4	0	0	1	0	2	29
Grays Harbor	687	380	307	670	4	10	1	1	0	1	0	0	5
Aberdeen	202	107	95	199	0	1	0	1	0	1	0	0	0
Island	411	214	197	406	1	0	1	1	0	1	0	1	8
Oak Harbor	79	36	43	76	1	0	0	1	0	1	0	0	1
Jefferson	203	108	95	195	0	7	0	0	0	0	0	1	0
King	10,900	5,539	5,361	9,787	523	86	101	80	107	209	1	6	130
Auburn	283	140	143	275	2	2	0	0	0	3	0	1	3
Bellevue	531	249	282	496	9	1	5	5	1	14	0	0	8
Des Moines	209	76	133	204	1	1	1	0	0	2	0	0	1
Federal Way	326	161	165	303	7	0	0	2	1	13	0	0	2
Kent	254	138	116	230	12	3	1	0	2	6	0	0	6
Kirkland	287	150	137	273	4	0	3	0	2	5	0	0	4
Mercer Island	143	62	81	137	2	0	3	1	0	0	0	0	0
Redmond	171	83	88	166	0	0	1	0	2	2	0	0	1
Renton	326	157	169	306	8	3	0	0	3	5	0	1	2
Sea Tac	54	33	21	51	1	0	0	0	1	1	0	0	2
Seattle	5,230	2,657	2,573	4,400	442	58	76	64	76	111	1	2	77
Kitsap	1,351	700	651	1,304	16	10	2	0	10	7	0	2	8
Bremerton	375	175	200	358	7	2	1	0	5	2	0	0	2
Bainbridge Island	5	0	5	5	0	0	0	0	0	0	0	0	0
Kittitas	216	137	79	213	1	1	0	1	0	0	0	0	1
Klickitat	174	107	67	164	1	9	0	0	0	0	0	0	4

Table 28. Deaths by Sex and Race by Place of Residence, 1992

County and City	Total	Male	Female	White	Race								Hispanic ¹
					African Amer.	Native Amer.	Japa-nese	Chinese	Filipino	Other Asian	Other	Unk.	
Lewis	627	323	304	623	2	1	0	0	1	0	0	0	6
Lincoln	108	58	50	108	0	0	0	0	0	0	0	0	0
Mason	409	218	191	399	0	9	0	0	0	1	0	0	2
Okanogan	328	182	146	293	1	28	0	0	1	1	0	4	12
Pacific	227	121	106	220	1	3	1	0	0	1	0	1	0
Pend Oreille	92	56	36	91	0	1	0	0	0	0	0	0	0
Pierce	4,431	2,286	2,145	4,058	210	37	23	1	17	74	0	11	47
Puyallup	264	132	132	257	0	2	0	0	1	1	0	3	2
Tacoma	1,800	883	917	1,597	128	24	4	0	6	36	0	5	20
San Juan	96	52	44	96	0	0	0	0	0	0	0	0	1
Skagit	792	425	367	773	0	16	1	0	0	1	0	1	7
Mount Vernon	184	95	89	183	0	1	0	0	0	0	0	0	2
Skamania	59	35	24	59	0	0	0	0	0	0	0	0	0
Snohomish	2,965	1,566	1,399	2,882	17	23	1	5	8	27	0	2	26
Edmonds	270	137	133	265	0	1	0	1	0	3	0	0	3
Everett	700	350	350	679	7	4	0	0	2	7	0	1	9
Lynnwood	235	125	110	225	3	2	0	0	0	5	0	0	5
Mountlake Terrace	74	44	30	71	0	0	0	0	0	3	0	0	0
Spokane	3,225	1,603	1,622	3,145	25	30	8	2	0	9	0	6	10
Spokane (City)	1,939	941	998	1,871	23	25	7	2	0	6	0	5	6
Stevens	277	165	112	262	0	15	0	0	0	0	0	0	4
Thurston	1,219	630	589	1,188	5	12	1	1	2	9	0	1	7
Lacey	191	84	107	187	1	0	0	0	0	3	0	0	2
Olympia	404	194	210	395	0	4	1	1	1	2	0	0	1
Wahkiakum	34	21	13	34	0	0	0	0	0	0	0	0	0
Walla Walla	521	276	245	508	9	1	1	0	0	0	0	2	11
Walla Walla (City)	334	172	162	325	6	1	1	0	0	0	0	1	5
Whatcom	1,014	505	509	974	5	24	0	1	0	2	5	3	15
Bellingham	503	233	270	494	4	3	0	0	0	0	0	2	5
Whitman	204	116	88	199	1	2	0	1	0	1	0	0	0
Pullman	47	26	21	42	1	2	0	1	0	1	0	0	0
Yakima	1,645	875	770	1,534	18	69	2	5	10	1	1	5	138
Yakima (City)	734	366	368	706	15	6	0	4	2	1	0	0	40

¹Hispanic Origin is considered an ethnicity rather than a race. Deaths to people of Hispanic Origin are also counted under the race of the decedent. See Appendix A, "Hispanic Origin."

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Table 29. Deaths by Age Group by Place of Residence, 1992

County and City	Total	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over	Age Unk.
State Total	38,068	536	123	139	224	362	954	1,525	2,096	3,943	8,350	10,889	8,926	1
Adams	100	3	1	0	1	3	1	2	6	10	25	23	25	0
Asotin	193	0	0	1	0	0	4	6	7	10	36	67	62	0
Benton	760	10	3	2	3	7	24	33	35	83	183	243	134	0
Kennewick	333	7	2	0	2	3	12	20	14	41	71	100	61	0
Richland	202	1	0	1	1	2	4	3	9	18	48	80	35	0
Chelan	538	6	2	1	3	4	14	19	20	58	120	153	138	0
Wenatchee	267	3	2	0	1	3	5	10	9	23	55	77	79	0
Clallam	718	9	1	4	1	4	11	12	19	69	180	221	187	0
Port Angeles	233	3	1	2	0	3	5	7	1	20	37	80	74	0
Clark	1,814	32	8	8	16	23	36	58	121	223	364	530	395	0
Vancouver	637	10	2	4	4	13	11	22	36	59	127	191	158	0
Columbia	52	0	0	0	1	0	1	2	5	6	6	17	14	0
Cowlitz	755	12	1	4	4	5	18	32	37	81	176	201	184	0
Longview	349	5	1	2	1	4	8	13	14	36	79	93	93	0
Douglas	185	2	2	2	0	3	4	3	10	20	44	45	50	0
Ferry	41	1	0	0	1	2	0	2	3	5	11	8	8	0
Franklin	238	10	0	1	2	4	7	7	17	32	66	61	31	0
Pasco	165	7	0	0	2	2	6	5	13	22	46	44	18	0
Garfield	31	0	0	0	0	0	0	1	2	5	5	14	4	0
Grant	428	8	1	1	3	8	11	15	16	58	106	125	76	0
Grays Harbor	687	3	1	0	6	6	13	15	32	66	168	242	135	0
Aberdeen	202	1	1	0	2	2	3	3	8	19	45	79	39	0
Island	411	9	1	0	3	1	8	11	14	50	118	102	94	0
Oak Harbor	79	3	1	0	1	1	1	2	7	7	14	16	26	0
Jefferson	203	4	0	1	1	0	2	10	11	17	60	64	33	0
King	10,900	138	33	33	51	105	338	574	655	1,040	2,264	3,063	2,605	1
Auburn	283	7	1	3	3	2	10	11	15	30	66	71	64	0
Bellevue	531	8	2	3	2	5	19	16	26	66	131	123	130	0
Des Moines	209	2	0	0	1	2	5	4	7	12	26	57	93	0
Federal Way	326	9	1	0	1	1	14	24	18	36	66	90	66	0
Kent	254	7	1	4	1	5	14	9	15	39	52	65	42	0
Kirkland	287	1	0	0	3	2	6	8	21	27	61	80	78	0
Mercer Island	143	0	0	0	0	0	0	4	6	12	32	47	42	0
Redmond	171	3	1	1	3	2	6	4	17	12	28	54	40	0
Renton	326	9	3	1	1	0	13	16	17	32	63	110	61	0
Sea Tac	54	0	1	0	0	0	1	5	1	8	17	15	6	0
Seattle	5,230	43	12	7	19	53	174	325	283	418	1,077	1,465	1,353	1
Kitsap	1,351	25	4	4	6	21	26	58	73	135	310	401	288	0
Bremerton	375	6	1	0	3	8	7	10	11	25	77	118	109	0
Bainbridge Island	5	0	0	0	0	0	0	1	0	0	1	2	1	0
Kittitas	216	2	1	1	0	1	8	7	15	23	39	68	51	0
Klickitat	174	4	0	1	2	1	5	2	6	12	42	56	43	0

Table 29. Deaths by Age Group by Place of Residence, 1992

County and City	Total	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over	Age Unk.
Lewis	627	10	4	3	8	0	12	15	42	51	140	183	159	0
Lincoln	108	0	0	0	0	0	1	3	2	14	24	33	31	0
Mason	409	3	0	1	3	2	9	16	14	51	109	118	83	0
Okanogan	328	5	2	0	2	2	6	14	14	39	59	99	86	0
Pacific	227	3	0	1	0	0	2	1	12	29	59	74	46	0
Pend Oreille	92	0	0	0	0	1	4	3	11	14	12	23	24	0
Pierce	4,431	80	22	23	36	50	139	176	267	521	986	1,175	956	0
Puyallup	264	1	1	1	0	3	7	10	21	21	37	83	79	0
Tacoma	1,800	29	10	4	12	22	57	76	81	177	365	485	482	0
San Juan	96	2	1	0	1	0	0	5	9	11	22	21	24	0
Skagit	792	8	0	3	3	4	16	24	34	83	195	238	184	0
Mount Vernon	184	0	0	0	0	0	4	8	10	11	35	60	56	0
Skamania	59	0	0	0	0	1	2	4	3	9	14	16	10	0
Snohomish	2,965	39	8	13	16	20	82	128	174	330	683	795	677	0
Edmonds	270	3	0	1	2	2	1	10	12	28	57	76	78	0
Everett	700	11	3	1	3	5	20	22	41	65	157	193	179	0
Lynnwood	235	2	0	2	1	3	8	18	15	24	46	64	52	0
Mountlake Terrac	74	0	0	0	1	1	3	4	6	6	21	16	16	0
Spokane	3,225	37	8	10	14	29	53	112	150	303	709	954	846	0
Spokane (City)	1,939	26	5	7	4	16	35	73	70	172	416	581	534	0
Stevens	277	5	1	0	1	6	5	7	16	32	56	76	72	0
Thurston	1,219	9	5	6	14	11	21	46	75	147	274	342	269	0
Lacey	191	0	1	0	2	0	0	4	10	16	27	58	73	0
Olympia	404	3	1	1	3	3	11	12	21	31	91	125	102	0
Wahkiakum	34	0	0	0	1	0	0	0	1	3	6	16	7	0
Walla Walla	521	3	0	2	3	3	4	9	19	38	126	162	152	0
Walla Walla (City)	334	1	0	2	2	1	3	9	11	19	74	109	103	0
Whatcom	1,014	11	2	5	3	13	26	33	56	88	194	303	280	0
Bellingham	503	4	1	3	2	4	9	17	21	33	70	166	173	0
Whitman	204	2	2	1	1	1	3	6	10	14	28	61	75	0
Pullman	47	2	1	1	1	1	0	4	5	2	4	12	14	0
Yakima	1,645	41	9	7	14	21	38	54	83	163	331	496	388	0
Yakima (City)	734	22	2	1	3	10	13	20	37	59	143	222	202	0

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Table 30. Deaths by Month of Death by Place of Residence, 1992

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
State Total	38,068	3,392	3,070	3,264	3,205	3,232	2,988	3,033	3,034	2,961	3,220	3,148	3,521
Adams	100	11	8	9	9	8	7	9	7	6	9	11	6
Asotin	193	19	23	13	13	21	9	17	16	18	16	12	16
Benton	760	73	59	57	51	68	73	59	66	65	59	49	81
Kennewick	333	31	37	21	18	27	30	21	31	31	27	23	36
Richland	202	17	7	19	14	27	16	13	22	15	16	17	19
Chelan	538	42	43	54	34	41	26	61	49	45	46	39	58
Wenatchee	267	25	26	28	20	20	10	26	27	22	23	18	22
Clallam	718	69	57	61	59	67	62	55	55	52	65	50	66
Port Angeles	233	34	16	21	18	22	16	16	20	9	18	22	21
Clark	1,814	173	145	160	150	150	145	137	133	129	157	154	181
Vancouver	637	64	56	54	44	57	54	56	50	47	52	49	54
Columbia	52	2	2	6	4	4	4	3	6	6	3	4	8
Cowlitz	755	71	63	70	61	67	56	64	54	59	56	59	75
Longview	349	30	29	27	32	32	23	32	25	23	27	33	36
Douglas	185	9	17	14	11	12	16	25	14	14	21	15	17
Ferry	41	3	1	3	3	4	5	3	2	2	7	1	7
Franklin	238	19	18	30	19	17	19	26	23	14	18	21	14
Pasco	165	16	8	20	16	11	14	20	18	8	13	12	9
Garfield	31	2	2	3	1	3	2	1	3	2	4	6	2
Grant	428	31	28	31	36	40	24	33	42	42	25	40	56
Grays Harbor	687	59	55	60	68	60	43	74	44	67	49	46	62
Aberdeen	202	20	11	21	16	20	10	24	15	23	9	18	15
Island	411	37	39	27	31	44	35	36	30	35	38	30	29
Oak Harbor	79	6	11	5	6	9	4	6	4	12	6	6	4
Jefferson	203	16	23	9	17	13	17	15	18	13	16	24	22
King	10,900	948	896	940	953	952	853	847	894	824	918	887	988
Auburn	283	21	22	22	29	24	19	22	32	15	20	27	30
Bellevue	531	56	46	45	48	46	36	34	38	42	50	40	50
Des Moines	209	15	25	17	16	19	9	14	21	16	20	19	18
Federal Way	326	17	24	33	27	46	31	23	24	26	22	28	25
Kent	254	21	13	19	25	21	31	16	23	21	17	26	21
Kirkland	287	19	27	22	26	31	21	20	35	11	22	27	26
Mercer Island	143	12	15	10	13	10	11	19	11	7	10	21	4
Redmond	171	18	13	15	18	10	14	8	15	12	12	16	20
Renton	326	29	15	30	32	30	19	32	24	27	23	32	33
Sea Tac	54	10	3	3	9	4	3	5	2	3	7	3	2
Seattle	5,230	452	445	438	452	437	403	403	410	417	465	428	480
Kitsap	1,351	128	108	141	121	128	80	93	88	107	101	134	122
Bremerton	375	34	26	44	33	39	15	35	27	25	25	39	33
Bainbridge Island	5	3	0	0	1	0	0	0	0	0	0	0	1
Kittitas	216	20	18	17	14	19	10	17	22	12	28	16	23
Klickitat	174	19	9	18	11	15	8	15	22	13	11	22	11

Table 30. Deaths by Month of Death by Place of Residence, 1992

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Lewis	627	52	48	65	52	57	55	55	57	49	47	40	50
Lincoln	108	11	8	6	9	8	11	4	9	10	9	12	11
Mason	409	33	47	34	26	34	42	37	26	33	40	31	26
Okanogan	328	24	31	29	28	35	21	20	31	19	33	26	31
Pacific	227	22	18	26	8	19	17	16	20	19	14	24	24
Pend Oreille	92	8	7	5	11	9	8	10	7	5	4	11	7
Pierce	4,431	401	347	377	391	335	344	365	325	375	384	373	414
Puyallup	264	24	21	22	20	24	18	19	18	20	27	26	25
Tacoma	1,800	174	135	167	160	118	137	152	127	157	160	151	162
San Juan	96	9	5	13	7	9	6	9	8	7	11	4	8
Skagit	792	68	62	73	78	80	62	54	68	57	59	61	70
Mount Vernon	184	16	14	16	20	15	15	11	15	18	17	13	14
Skamania	59	2	1	5	2	4	7	5	6	6	6	6	9
Snohomish	2,965	256	234	215	272	224	255	259	215	242	254	246	293
Edmonds	270	32	22	20	25	19	17	19	17	29	17	23	30
Everett	700	60	59	48	63	43	66	62	56	54	64	53	72
Lynnwood	235	16	21	20	18	27	18	27	17	15	20	22	14
Mountlake Terrace	74	7	9	10	4	5	3	2	12	6	6	2	8
Spokane	3,225	273	243	281	254	266	282	243	251	244	302	286	300
Spokane (City)	1,939	170	142	163	155	156	181	151	155	137	187	156	186
Stevens	277	31	28	23	21	26	18	16	21	22	23	18	30
Thurston	1,219	114	100	103	107	109	88	84	99	94	97	112	112
Lacey	191	23	19	17	13	17	9	10	13	17	22	14	17
Olympia	404	31	36	34	41	34	40	27	33	31	32	27	38
Wahkiakum	34	7	5	0	4	2	2	2	1	4	3	2	2
Walla Walla	521	55	53	44	51	47	36	43	35	43	40	36	38
Walla Walla (City)	334	35	34	32	25	34	28	23	28	21	26	27	21
Whatcom	1,014	115	80	91	66	76	72	74	93	76	102	78	91
Bellingham	503	45	37	49	25	37	41	36	45	35	67	46	40
Whitman	204	26	12	19	12	17	15	20	14	14	18	18	19
Pullman	47	6	5	4	3	4	5	3	5	4	3	2	3
Yakima	1,645	134	127	132	140	142	153	127	160	117	127	144	142
Yakima (City)	734	67	42	58	67	67	75	53	76	51	58	54	66

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Table 31a. Deaths by Selected Disease Conditions by Place of Residence, 1992

County and City	Infectious and Parasitic Diseases		Diabetes Mellitus		Alcoholism		Diseases of the Heart		Cerebrovascular Disease	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	865	16.9	857	16.7	69	1.3	11,161	218.1	2,946	57.6
Adams	1	7.1	2	14.2	0	0.0	32	227.0	9	63.8
Asotin	2	11.1	4	22.2	1	5.6	54	300.0	15	83.3
Benton	18	15.2	12	10.1	1	0.8	214	180.6	63	53.2
Kennewick	5	11.2	4	9.0	1	2.2	86	193.3	29	65.2
Richland	7	20.9	3	8.9	0	0.0	64	190.8	27	80.5
Chelan	8	14.7	8	14.7	1	1.8	144	263.7	43	78.8
Wenatchee	4	17.6	4	17.6	1	4.4	78	343.5	19	83.7
Clallam	5	8.3	14	23.3	1	1.7	217	361.7	52	86.7
Port Angeles	1	5.5	6	33.3	0	0.0	66	366.1	23	127.6
Clark	41	15.9	28	10.9	3	1.2	549	213.2	112	43.5
Vancouver	16	33.8	8	16.9	2	4.2	204	430.9	32	67.6
Columbia	0	0.0	1	25.0	0	0.0	19	475.0	3	75.0
Cowlitz	8	9.5	25	29.6	3	3.6	221	261.5	82	97.0
Longview	7	21.9	12	37.5	2	6.2	101	315.3	47	146.7
Douglas	1	3.6	2	7.2	0	0.0	59	211.5	17	60.9
Ferry	1	14.9	3	44.8	0	0.0	12	179.1	2	29.9
Franklin	4	10.2	2	5.1	0	0.0	60	153.1	17	43.4
Pasco	3	14.4	2	9.6	0	0.0	37	177.5	12	57.6
Garfield	0	0.0	0	0.0	2	87.0	9	391.3	3	130.4
Grant	5	8.6	16	27.5	0	0.0	114	195.9	34	58.4
Grays Harbor	8	12.2	11	16.8	3	4.6	224	342.5	42	64.2
Aberdeen	1	6.0	5	30.1	1	6.0	72	433.0	14	84.2
Island	7	10.8	8	12.3	1	1.5	135	208.3	24	37.0
Oak Harbor	0	0.0	0	0.0	0	0.0	35	190.8	5	27.3
Jefferson	4	17.8	4	17.8	0	0.0	57	253.3	17	75.6
King	426	27.2	276	17.6	16	1.0	2,998	191.6	847	54.1
Auburn	7	20.4	6	17.5	0	0.0	77	224.8	16	46.7
Bellevue	14	15.8	8	9.0	1	1.1	135	152.4	52	58.7
Des Moines	1	5.5	4	22.0	0	0.0	70	385.3	24	132.1
Federal Way	8	11.1	7	9.7	0	0.0	85	117.5	24	33.2
Kent	8	19.9	10	24.8	1	2.5	72	178.7	14	34.7
Kirkland	1	2.4	5	12.1	0	0.0	83	200.5	30	72.5
Mercer Island	1	4.7	1	4.7	0	0.0	34	160.3	12	56.6
Redmond	5	12.8	4	10.2	0	0.0	41	105.0	16	41.0
Renton	14	32.5	11	25.5	1	2.3	77	178.7	23	53.4
Sea Tac	2	8.8	1	4.4	0	0.0	15	65.7	5	21.9
Seattle	289	55.4	131	25.1	10	1.9	1,485	284.5	415	79.5
Kitsap	23	11.2	33	16.1	3	1.5	358	174.1	104	50.6
Bremerton	7	18.0	7	18.0	0	0.0	108	277.0	30	76.9
Bainbridge Island	0	0.0	0	0.0	0	0.0	1	5.9	0	0.0
Kittitas	5	18.0	5	18.0	1	3.6	62	223.0	17	61.2
Klickitat	2	11.7	4	23.4	0	0.0	46	269.0	10	58.5

Table 31a. Deaths by Selected Disease Conditions by Place of Residence, 1992

County and City	Infectious and Parasitic Diseases		Diabetes Mellitus		Alcoholism		Diseases of the Heart		Cerebrovascular Disease	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	4	6.5	11	17.9	3	4.9	205	333.3	60	97.6
Lincoln	2	22.2	3	33.3	0	0.0	33	366.7	14	155.6
Mason	4	9.7	2	4.9	1	2.4	128	310.7	28	68.0
Okanogan	4	11.6	8	23.3	1	2.9	110	319.8	24	69.8
Pacific	3	15.5	8	41.2	3	15.5	59	304.1	14	72.2
Pend Oreille	0	0.0	2	21.3	1	10.6	29	308.5	7	74.5
Pierce	72	11.5	115	18.4	5	0.8	1,319	211.4	355	56.9
Puyallup	2	7.9	6	23.6	0	0.0	91	358.3	17	66.9
Tacoma	37	20.7	56	31.3	2	1.1	532	297.2	161	89.9
San Juan	1	8.8	2	17.7	0	0.0	18	159.3	3	26.5
Skagit	12	14.0	16	18.7	3	3.5	247	288.9	70	81.9
Mount Vernon	4	20.5	4	20.5	1	5.1	62	317.1	17	87.0
Skamania	1	11.5	1	11.5	0	0.0	14	160.9	2	23.0
Snohomish	69	14.0	59	11.9	4	0.8	895	181.1	218	44.1
Edmonds	5	16.3	6	19.5	1	3.3	85	276.4	20	65.0
Everett	21	27.7	12	15.8	1	1.3	234	308.5	56	73.8
Lynnwood	6	20.6	1	3.4	1	3.4	74	254.2	15	51.5
Mountlake Terrace	2	10.1	2	10.1	0	0.0	25	126.1	2	10.1
Spokane	57	15.2	58	15.5	5	1.3	960	256.3	250	66.7
Spokane (City)	40	22.1	41	22.7	4	2.2	565	312.5	147	81.3
Stevens	3	9.3	7	21.7	0	0.0	90	279.5	25	77.6
Thurston	25	14.3	17	9.8	1	0.6	381	218.6	79	45.3
Lacey	3	14.1	1	4.7	0	0.0	73	342.9	11	51.7
Olympia	7	19.6	5	14.0	0	0.0	120	335.2	26	72.6
Wahkiakum	1	29.4	1	29.4	0	0.0	9	264.7	1	29.4
Walla Walla	7	13.9	9	17.8	1	2.0	167	330.7	44	87.1
Walla Walla (City)	6	21.3	5	17.8	0	0.0	106	376.8	28	99.5
Whatcom	9	6.6	27	19.7	2	1.5	296	215.9	90	65.6
Bellingham	6	11.1	8	14.7	2	3.7	141	259.8	52	95.8
Whitman	3	7.7	3	7.7	1	2.6	68	175.3	17	43.8
Pullman	0	0.0	1	4.3	0	0.0	14	60.4	2	8.6
Yakima	19	9.8	50	25.8	2	1.0	549	283.1	132	68.1
Yakima (City)	9	15.3	24	40.9	2	3.4	233	397.0	63	107.3

¹Rates per 100,000 population

NOTE: Source for Selected Disease Conditions is International Classification of Diseases (Ninth Revision).

Infectious and Parasitic Diseases (ICD 001-139)

Diabetes Mellitus (ICD 250)

Alcoholism (ICD 303)

Diseases of the Heart (ICD 391-392.0, 393-398, 402, 404, 410-417, 420-429)

Cerebrovascular Disease (ICD 430-438)

S02700A-HDE/DEAA20P1

Table 31b. Deaths by Selected Disease Conditions by Place of Residence, 1992

County and City	General Arteriosclerosis		Influenza and Pneumonia		Chronic Obstructive Pulmonary Diseases		Chronic Liver Disease and Cirrhosis		Nephritis, Nephrotic Syndrome, Nephrosis	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	411	8.0	1,329	26.0	2,115	41.3	480	9.4	183	3.6
Adams	1	7.1	1	7.1	5	35.5	2	14.2	0	0.0
Asotin	6	33.3	9	50.0	13	72.2	2	11.1	1	5.6
Benton	9	7.6	16	13.5	46	38.8	9	7.6	5	4.2
Kennewick	5	11.2	7	15.7	22	49.4	5	11.2	2	4.5
Richland	1	3.0	2	6.0	10	29.8	1	3.0	1	3.0
Chelan	5	9.2	25	45.8	35	64.1	10	18.3	3	5.5
Wenatchee	2	8.8	11	48.4	15	66.1	6	26.4	0	0.0
Clallam	8	13.3	29	48.3	47	78.3	8	13.3	2	3.3
Port Angeles	4	22.2	10	55.5	21	116.5	4	22.2	0	0.0
Clark	8	3.1	71	27.6	104	40.4	20	7.8	12	4.7
Vancouver	3	6.3	29	61.3	41	86.6	10	21.1	8	16.9
Columbia	0	0.0	0	0.0	3	75.0	0	0.0	0	0.0
Cowlitz	7	8.3	23	27.2	36	42.6	8	9.5	4	4.7
Longview	2	6.2	11	34.3	23	71.8	1	3.1	1	3.1
Douglas	1	3.6	6	21.5	13	46.6	2	7.2	2	7.2
Ferry	0	0.0	1	14.9	0	0.0	0	0.0	1	14.9
Franklin	3	7.7	3	7.7	19	48.5	5	12.8	1	2.6
Pasco	2	9.6	3	14.4	12	57.6	4	19.2	1	4.8
Garfield	0	0.0	1	43.5	2	87.0	0	0.0	0	0.0
Grant	5	8.6	16	27.5	32	55.0	2	3.4	0	0.0
Grays Harbor	8	12.2	24	36.7	46	70.3	11	16.8	3	4.6
Aberdeen	3	18.0	2	12.0	9	54.1	2	12.0	3	18.0
Island	2	3.1	13	20.1	17	26.2	3	4.6	2	3.1
Oak Harbor	0	0.0	2	10.9	2	10.9	0	0.0	0	0.0
Jefferson	0	0.0	11	48.9	9	40.0	2	8.9	1	4.4
King	93	5.9	424	27.1	520	33.2	127	8.1	61	3.9
Auburn	3	8.8	14	40.9	21	61.3	0	0.0	1	2.9
Bellevue	7	7.9	19	21.4	24	27.1	10	11.3	1	1.1
Des Moines	3	16.5	10	55.0	11	60.5	1	5.5	2	11.0
Federal Way	2	2.8	17	23.5	14	19.4	4	5.5	1	1.4
Kent	1	2.5	6	14.9	13	32.3	5	12.4	1	2.5
Kirkland	3	7.2	16	38.7	13	31.4	1	2.4	3	7.2
Mercer Island	0	0.0	7	33.0	7	33.0	1	4.7	1	4.7
Redmond	3	7.7	3	7.7	6	15.4	0	0.0	0	0.0
Renton	4	9.3	14	32.5	16	37.1	9	20.9	4	9.3
Sea Tac	2	8.8	2	8.8	5	21.9	0	0.0	0	0.0
Seattle	39	7.5	202	38.7	238	45.6	60	11.5	30	5.7
Kitsap	7	3.4	37	18.0	101	49.1	20	9.7	2	1.0
Bremerton	1	2.6	10	25.6	30	76.9	5	12.8	1	2.6
Bainbridge Island	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kittitas	0	0.0	8	28.8	11	39.6	3	10.8	3	10.8
Klickitat	3	17.5	12	70.2	16	93.6	1	5.8	0	0.0

Table 31b. Deaths by Selected Disease Conditions by Place of Residence, 1992

County and City	General Arteriosclerosis		Influenza and Pneumonia		Chronic Obstructive Pulmonary Diseases		Chronic Liver Disease and Cirrhosis		Nephritis, Nephrotic Syndrome, Nephrosis	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	6	9.8	17	27.6	37	60.2	7	11.4	8	13.0
Lincoln	0	0.0	0	0.0	8	88.9	1	11.1	1	11.1
Mason	0	0.0	6	14.6	22	53.4	5	12.1	0	0.0
Okanogan	1	2.9	10	29.1	22	64.0	3	8.7	2	5.8
Pacific	0	0.0	18	92.8	17	87.6	3	15.5	2	10.3
Pend Oreille	0	0.0	6	63.8	5	53.2	2	21.3	1	10.6
Pierce	99	15.9	106	17.0	261	41.8	55	8.8	13	2.1
Puyallup	4	15.7	7	27.6	14	55.1	2	7.9	1	3.9
Tacoma	51	28.5	49	27.4	108	60.3	24	13.4	4	2.2
San Juan	3	26.5	7	61.9	2	17.7	1	8.8	0	0.0
Skagit	6	7.0	24	28.1	31	36.3	11	12.9	3	3.5
Mount Vernon	1	5.1	5	25.6	4	20.5	1	5.1	2	10.2
Skamania	2	23.0	2	23.0	1	11.5	2	23.0	0	0.0
Snohomish	31	6.3	105	21.2	166	33.6	50	10.1	6	1.2
Edmonds	3	9.8	7	22.8	12	39.0	2	6.5	1	3.3
Everett	9	11.9	29	38.2	36	47.5	13	17.1	1	1.3
Lynnwood	3	10.3	6	20.6	10	34.4	4	13.7	1	3.4
Mountlake Terrace	1	5.0	1	5.0	2	10.1	1	5.0	0	0.0
Spokane	58	15.5	111	29.6	189	50.5	52	13.9	17	4.5
Spokane (City)	41	22.7	74	40.9	116	64.2	36	19.9	11	6.1
Stevens	0	0.0	7	21.7	19	59.0	2	6.2	1	3.1
Thurston	5	2.9	61	35.0	59	33.8	13	7.5	7	4.0
Lacey	1	4.7	24	112.7	4	18.8	4	18.8	2	9.4
Olympia	2	5.6	21	58.7	26	72.6	4	11.2	2	5.6
Wahkiakum	0	0.0	1	29.4	3	88.2	1	29.4	0	0.0
Walla Walla	8	15.8	13	25.7	32	63.4	5	9.9	3	5.9
Walla Walla (City)	7	24.9	9	32.0	28	99.5	3	10.7	1	3.6
Whatcom	10	7.3	46	33.6	60	43.8	9	6.6	4	2.9
Bellingham	8	14.7	27	49.8	30	55.3	3	5.5	3	5.5
Whitman	2	5.2	7	18.0	8	20.6	1	2.6	2	5.2
Pullman	1	4.3	1	4.3	1	4.3	1	4.3	0	0.0
Yakima	14	7.2	52	26.8	98	50.5	22	11.3	10	5.2
Yakima (City)	12	20.4	31	52.8	44	75.0	7	11.9	7	11.9

¹Rates per 100,000 population

NOTE: Source for Selected Disease Conditions is International Classification of Diseases (Ninth Revision).

General Arteriosclerosis (ICD 440)

Influenza and Pneumonia (ICD 480-487)

Chronic Obstructive Pulmonary Diseases (ICD 490-496)

Chronic Liver Disease and Cirrhosis (ICD 571)

Nephritis, Nephrotic Syndrome, Nephrosis (ICD 580-589)

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Table 32a. Deaths Due to Malignant Neoplasm by Primary Site by Place of Residence, 1992

County and City	Malignant Neoplasms Total All Sites		Lip, Oral Cavity and Pharynx		Digestive Organs and Peritoneum		Respiratory and Intrathoracic Organs		Genital Organs	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	9,544	186.5	149	2.9	2,152	42.1	2,919	57	1,123	21.9
Adams	23	163.1	1	7.1	6	42.6	6	42.6	1	7.1
Asotin	37	205.6	1	5.6	9	50.0	10	55.6	6	33.3
Benton	198	167.1	2	1.7	42	35.4	61	51.5	25	21.1
Kennewick	75	168.6	0	0.0	19	42.7	29	65.2	11	24.7
Richland	57	169.9	2	6.0	9	26.8	14	41.7	9	26.8
Chelan	126	230.8	4	7.3	28	51.3	36	65.9	12	22.0
Wenatchee	58	255.4	3	13.2	12	52.8	14	61.6	8	35.2
Clallam	209	348.3	1	1.7	51	85.0	64	106.7	18	30.0
Port Angeles	50	277.3	0	0.0	12	66.6	14	77.6	4	22.2
Clark	485	188.3	4	1.6	101	39.2	150	58.3	47	18.3
Vancouver	143	302.1	2	4.2	33	69.7	44	92.9	9	19.0
Columbia	15	375.0	0	0.0	2	50.0	4	100.0	1	25.0
Cowlitz	174	205.9	1	1.2	32	37.9	59	69.8	19	22.5
Longview	65	202.9	0	0.0	9	28.1	24	74.9	7	21.9
Douglas	36	129.0	1	3.6	8	28.7	7	25.1	7	25.1
Ferry	6	89.6	0	0.0	1	14.9	2	29.9	2	29.9
Franklin	59	150.5	1	2.6	15	38.3	12	30.6	7	17.9
Pasco	40	191.9	1	4.8	9	43.2	11	52.8	6	28.8
Garfield	9	391.3	0	0.0	0	0.0	2	87.0	4	173.9
Grant	105	180.4	3	5.2	20	34.4	28	48.1	20	34.4
Grays Harbor	167	255.4	2	3.1	36	55.0	61	93.3	21	32.1
Aberdeen	47	282.6	2	12.0	10	60.1	15	90.2	7	42.1
Island	109	168.2	3	4.6	26	40.1	34	52.5	11	17.0
Oak Harbor	18	98.1	0	0.0	5	27.3	7	38.2	3	16.4
Jefferson	63	280.0	0	0.0	17	75.6	24	106.7	6	26.7
King	2,769	177.0	46	2.9	673	43.0	797	50.9	318	20.3
Auburn	76	221.8	3	8.8	22	64.2	17	49.6	9	26.3
Bellevue	159	179.5	0	0.0	47	53.1	33	37.3	15	16.9
Des Moines	36	198.1	0	0.0	10	55.0	11	60.5	6	33.0
Federal Way	93	128.5	3	4.1	29	40.1	23	31.8	8	11.1
Kent	65	161.3	0	0.0	14	34.7	22	54.6	5	12.4
Kirkland	77	186.0	4	9.7	20	48.3	20	48.3	9	21.7
Mercer Island	52	245.2	1	4.7	19	89.6	8	37.7	2	9.4
Redmond	45	115.3	0	0.0	9	23.1	11	28.2	7	17.9
Renton	70	162.5	2	4.6	11	25.5	25	58.0	8	18.6
Sea Tac	10	43.8	0	0.0	1	4.4	5	21.9	1	4.4
Seattle	1,205	230.8	19	3.6	323	61.9	360	69.0	142	27.2
Kitsap	338	164.4	9	4.4	73	35.5	117	56.9	34	16.5
Bremerton	80	205.2	3	7.7	24	61.6	26	66.7	7	18.0
Bainbridge Island	1	5.9	0	0.0	1	5.9	0	0.0	0	0.0
Kittitas	53	190.6	2	7.2	9	32.4	20	71.9	7	25.2
Klickitat	44	257.3	0	0.0	12	70.2	15	87.7	6	35.1

Table 32a. Deaths Due to Malignant Neoplasm by Primary Site by Place of Residence, 1992

County and City	Malignant Neoplasms Total All Sites		Lip, Oral Cavity and Pharynx		Digestive Organs and Peritoneum		Respiratory and Intrathoracic Organs		Genital Organs	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	147	239.0	4	6.5	25	40.7	53	86.2	19	30.9
Lincoln	24	266.7	0	0.0	2	22.2	7	77.8	5	55.6
Mason	118	286.4	2	4.9	26	63.1	40	97.1	11	26.7
Okanogan	84	244.2	0	0.0	14	40.7	30	87.2	16	46.5
Pacific	62	319.6	1	5.2	11	56.7	23	118.6	11	56.7
Pend Oreille	21	223.4	0	0.0	0	0.0	9	95.7	5	53.2
Pierce	1,102	176.6	17	2.7	261	41.8	335	53.7	137	22.0
Puyallup	65	255.9	3	11.8	17	66.9	13	51.2	8	31.5
Tacoma	377	210.6	8	4.5	86	48.0	108	60.3	50	27.9
San Juan	36	318.6	0	0.0	12	106.2	7	61.9	3	26.5
Skagit	198	231.6	2	2.3	53	62.0	58	67.8	25	29.2
Mount Vernon	41	209.7	0	0.0	10	51.2	12	61.4	7	35.8
Skamania	21	241.4	0	0.0	6	69.0	5	57.5	2	23.0
Snohomish	762	154.2	7	1.4	161	32.6	252	51.0	85	17.2
Edmonds	68	221.1	0	0.0	14	45.5	29	94.3	9	29.3
Everett	150	197.8	2	2.6	24	31.6	61	80.4	19	25.1
Lynnwood	62	213.0	2	6.9	18	61.8	17	58.4	6	20.6
Mountlake Terrace	22	111.0	0	0.0	4	20.2	8	40.4	3	15.1
Spokane	823	219.7	20	5.3	177	47.3	254	67.8	97	25.9
Spokane (City)	474	262.2	17	9.4	110	60.8	132	73.0	60	33.2
Stevens	63	195.7	0	0.0	20	62.1	11	34.2	10	31.1
Thurston	315	180.7	7	4.0	70	40.2	93	53.4	44	25.2
Lacey	38	178.5	1	4.7	9	42.3	8	37.6	4	18.8
Olympia	93	259.8	1	2.8	21	58.7	26	72.6	16	44.7
Wahkiakum	9	264.7	1	29.4	1	29.4	4	117.6	0	0.0
Walla Walla	116	229.7	2	4.0	23	45.5	34	67.3	13	25.7
Walla Walla (City)	69	245.3	1	3.6	14	49.8	22	78.2	10	35.5
Whatcom	244	178.0	4	2.9	50	36.5	67	48.9	27	19.7
Bellingham	108	199.0	2	3.7	28	51.6	25	46.1	16	29.5
Whitman	45	116.0	1	2.6	10	25.8	14	36.1	7	18.0
Pullman	12	51.7	0	0.0	3	12.9	2	8.6	3	12.9
Yakima	329	169.7	0	0.0	69	35.6	114	58.8	34	17.5
Yakima (City)	139	236.8	0	0.0	32	54.5	47	80.1	16	27.3

¹Rates per 100,000 population

NOTE: Source for Malignant Neoplasm by Primary Site is International Classification of Diseases (Ninth Revision).

Malignant Neoplasms, Total All Sites (ICD 140-208, 230-234))

Lip, Oral Cavity and Pharynx (ICD 140-149, 230.0)

Digestive Organs and Peritoneum (ICD 150-159, 230.1-230.9)

Respiratory and Intrathoracic Organs (ICD 160-165, 231)

Genital Organs (ICD 179-187, 233.1-233.6)

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Table 32b. Deaths Due to Malignant Neoplasm by Primary Site by Place of Residence, 1992

County and City	Urinary Organs		Skin		Breast		Lymphatic and Hematopoietic Tissue		Other and Unspecified Primary Sites	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	379	7.4	177	3.5	785	15.3	988	19.3	872	17.0
Adams	3	21.3	0	0.0	3	21.3	2	14.2	1	7.1
Asotin	1	5.6	0	0.0	3	16.7	3	16.7	4	22.2
Benton	12	10.1	1	0.8	15	12.7	17	14.3	23	19.4
Kennewick	3	6.7	0	0.0	4	9.0	5	11.2	4	9.0
Richland	5	14.9	0	0.0	5	14.9	6	17.9	7	20.9
Chelan	4	7.3	4	7.3	13	23.8	10	18.3	15	27.5
Wenatchee	3	13.2	1	4.4	5	22.0	5	22.0	7	30.8
Clallam	8	13.3	5	8.3	17	28.3	25	41.7	20	33.3
Port Angeles	4	22.2	2	11.1	5	27.7	6	33.3	3	16.6
Clark	24	9.3	10	3.9	47	18.3	60	23.3	42	16.3
Vancouver	7	14.8	4	8.4	10	21.1	23	48.6	11	23.2
Columbia	2	50.0	1	25.0	0	0.0	4	100.0	1	25.0
Cowlitz	9	10.7	3	3.6	16	18.9	18	21.3	17	20.1
Longview	3	9.4	1	3.1	9	28.1	6	18.7	6	18.7
Douglas	2	7.2	1	3.6	0	0.0	8	28.7	2	7.2
Ferry	0	0.0	0	0.0	1	14.9	0	0.0	0	0.0
Franklin	4	10.2	1	2.6	7	17.9	8	20.4	4	10.2
Pasco	2	9.6	0	0.0	3	14.4	5	24.0	3	14.4
Garfield	0	0.0	0	0.0	1	43.5	1	43.5	1	43.5
Grant	7	12.0	4	6.9	8	13.7	2	3.4	13	22.3
Grays Harbor	4	6.1	7	10.7	11	16.8	15	22.9	10	15.3
Aberdeen	0	0.0	2	12.0	3	18.0	5	30.1	3	18.0
Island	1	1.5	4	6.2	9	13.9	12	18.5	9	13.9
Oak Harbor	0	0.0	0	0.0	1	5.5	2	10.9	0	0.0
Jefferson	3	13.3	1	4.4	3	13.3	8	35.6	1	4.4
King	110	7.0	50	3.2	247	15.8	263	16.8	265	16.9
Auburn	4	11.7	1	2.9	5	14.6	9	26.3	6	17.5
Bellevue	2	2.3	4	4.5	18	20.3	23	26.0	17	19.2
Des Moines	0	0.0	1	5.5	2	11.0	1	5.5	5	27.5
Federal Way	3	4.1	1	1.4	12	16.6	10	13.8	4	5.5
Kent	1	2.5	2	5.0	6	14.9	10	24.8	5	12.4
Kirkland	4	9.7	5	12.1	3	7.2	9	21.7	3	7.2
Mercer Island	4	18.9	0	0.0	8	37.7	3	14.1	7	33.0
Redmond	1	2.6	1	2.6	6	15.4	5	12.8	5	12.8
Renton	3	7.0	0	0.0	10	23.2	7	16.2	4	9.3
Sea Tac	0	0.0	0	0.0	1	4.4	0	0.0	2	8.8
Seattle	42	8.0	19	3.6	88	16.9	102	19.5	110	21.1
Kitsap	15	7.3	3	1.5	21	10.2	35	17.0	31	15.1
Bremerton	0	0.0	0	0.0	4	10.3	8	20.5	8	20.5
Bainbridge Island	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kittitas	0	0.0	0	0.0	4	14.4	6	21.6	5	18.0
Klickitat	1	5.8	1	5.8	1	5.8	3	17.5	5	29.2

Table 32b. Deaths Due to Malignant Neoplasm by Primary Site by Place of Residence, 1992

County and City	Urinary Organs		Skin		Breast		Lymphatic and Hematopoietic Tissue		Other and Unspecified Primary Sites	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	3	4.9	2	3.3	9	14.6	16	26.0	16	26.0
Lincoln	2	22.2	1	11.1	5	55.6	2	22.2	0	0.0
Mason	5	12.1	2	4.9	7	17.0	14	34.0	11	26.7
Okanogan	3	8.7	2	5.8	5	14.5	7	20.3	7	20.3
Pacific	3	15.5	0	0.0	2	10.3	3	15.5	8	41.2
Pend Oreille	0	0.0	0	0.0	1	10.6	3	31.9	3	31.9
Pierce	41	6.6	20	3.2	85	13.6	119	19.1	87	13.9
Puyallup	2	7.9	1	3.9	6	23.6	10	39.4	5	19.7
Tacoma	13	7.3	8	4.5	28	15.6	42	23.5	34	19.0
San Juan	1	8.8	1	8.8	5	44.2	4	35.4	3	26.5
Skagit	8	9.4	1	1.2	11	12.9	22	25.7	18	21.1
Mount Vernon	2	10.2	0	0.0	2	10.2	5	25.6	3	15.3
Skamania	3	34.5	0	0.0	2	23.0	2	23.0	1	11.5
Snohomish	24	4.9	16	3.2	68	13.8	75	15.2	74	15.0
Edmonds	0	0.0	2	6.5	2	6.5	8	26.0	4	13.0
Everett	4	5.3	3	4.0	9	11.9	11	14.5	17	22.4
Lynnwood	2	6.9	1	3.4	9	30.9	2	6.9	5	17.2
Mountlake Terrace	0	0.0	0	0.0	1	5.0	4	20.2	2	10.1
Spokane	27	7.2	12	3.2	72	19.2	101	27.0	63	16.8
Spokane (City)	15	8.3	6	3.3	42	23.2	59	32.6	33	18.3
Stevens	2	6.2	2	6.2	5	15.5	9	28.0	4	12.4
Thurston	15	8.6	7	4.0	24	13.8	32	18.4	23	13.2
Lacey	1	4.7	2	9.4	7	32.9	3	14.1	3	14.1
Olympia	7	19.6	1	2.8	6	16.8	9	25.1	6	16.8
Wahkiakum	0	0.0	0	0.0	0	0.0	2	58.8	1	29.4
Walla Walla	3	5.9	5	9.9	6	11.9	14	27.7	16	31.7
Walla Walla (City)	2	7.1	2	7.1	4	14.2	5	17.8	9	32.0
Whatcom	13	9.5	8	5.8	25	18.2	22	16.0	28	20.4
Bellingham	8	14.7	4	7.4	8	14.7	8	14.7	9	16.6
Whitman	1	2.6	0	0.0	4	10.3	7	18.0	1	2.6
Pullman	1	4.3	0	0.0	1	4.3	2	8.6	0	0.0
Yakima	15	7.7	2	1.0	22	11.3	34	17.5	39	20.1
Yakima (City)	3	5.1	2	3.4	8	13.6	15	25.6	16	27.3

¹Rates per 100,000 population

NOTE: Source for Malignant Neoplasm by Primary Site is International Classification of Diseases (Ninth Revision).

Urinary Organs (ICD 188-189, 233.7-233.9)

Skin (ICD 172-173, 232)

Breast (ICD 174-175, 233.0)

Lymphatic and Hematopoietic Tissue (ICD 200-208)

Other and Unspecified (ICD 170-171, 190-199, 234)

SO2740A-HDE/DEAA21P2

**Table 33. Deaths Due to Human Immunodeficiency Virus by Sex
by Place of Residence, 1992**

County and City	Total		Male	Female
	Number	Rate ¹		
State Total	451	8.8	428	23
Adams	1	7.1	1	0
Asotin	0	0.0	0	0
Benton	4	3.4	4	0
Kennewick	2	4.5	2	0
Richland	1	3.0	1	0
Chelan	2	3.7	2	0
Wenatchee	1	4.4	1	0
Clallam	2	3.3	2	0
Port Angeles	1	5.5	1	0
Clark	18	7.0	15	3
Vancouver	7	14.8	6	1
Columbia	0	0.0	0	0
Cowlitz	4	4.7	4	0
Longview	3	9.4	3	0
Douglas	0	0.0	0	0
Ferry	0	0.0	0	0
Franklin	0	0.0	0	0
Pasco	0	0.0	0	0
Garfield	0	0.0	0	0
Grant	0	0.0	0	0
Grays Harbor	1	1.5	1	0
Aberdeen	0	0.0	0	0
Island	3	4.6	3	0
Oak Harbor	0	0.0	0	0
Jefferson	2	8.9	2	0
King	289	18.5	280	9
Auburn	3	8.8	3	0
Bellevue	9	10.2	8	1
Des Moines	1	5.5	1	0
Federal Way	9	12.4	9	0
Kent	5	12.4	5	0
Kirkland	0	0.0	0	0
Mercer Island	0	0.0	0	0
Redmond	1	2.6	1	0
Renton	5	11.6	5	0
Sea Tac	1	4.4	1	0
Seattle	225	43.1	220	5
Kitsap	5	2.4	5	0
Bremerton	1	2.6	1	0
Bainbridge Island	0	0.0	0	0
Kittitas	0	0.0	0	0
Klickitat	0	0.0	0	0

Table 33. Deaths Due to Human Immunodeficiency Virus by Sex by Place of Residence, 1992

County and City	Total		Male	Female
	Number	Rate ¹		
Lewis	3	4.9	3	0
Lincoln	0	0.0	0	0
Mason	0	0.0	0	0
Okanogan	1	2.9	1	0
Pacific	1	5.2	1	0
Pend Oreille	0	0.0	0	0
Pierce	38	6.1	34	4
Puyallup	0	0.0	0	0
Tacoma	17	9.5	16	1
San Juan	1	8.8	1	0
Skagit	2	2.3	2	0
Mount Vernon	1	5.1	1	0
Skamania	0	0.0	0	0
Snohomish	29	5.9	27	2
Edmonds	3	9.8	3	0
Everett	8	10.5	7	1
Lynnwood	6	20.6	6	0
Mountlake Terrace	0	0.0	0	0
Spokane	19	5.1	16	3
Spokane (City)	17	9.4	15	2
Stevens	1	3.1	1	0
Thurston	12	6.9	10	2
Lacey	2	9.4	2	0
Olympia	4	11.2	3	1
Wahkiakum	0	0.0	0	0
Walla Walla	1	2.0	1	0
Walla Walla (City)	1	3.6	1	0
Whatcom	5	3.6	5	0
Bellingham	3	5.5	3	0
Whitman	1	2.6	1	0
Pullman	0	0.0	0	0
Yakima	4	2.1	4	0
Yakima (City)	2	3.4	2	0

¹Rates per 100,000 population.

NOTE: Source for Human Immunodeficiency Virus is International Classification of Diseases (Ninth Revision).
Human Immunodeficiency Virus (ICD 042-044)

S02770A-HDE/DEAA23P1

Table 34. Deaths by Selected Accidents by Place of Residence, 1992

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		Other Accidents	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	1,698	33.2	716	14.0	298	5.8	120	2.3	55	1.1	509	9.9
Adams	3	21.3	1	7.1	0	0.0	1	7.1	0	0.0	1	7.1
Asotin	9	50.0	4	22.2	0	0.0	0	0.0	0	0.0	5	27.8
Benton	45	38.0	18	15.2	6	5.1	2	1.7	2	1.7	17	14.3
Kennewick	21	47.2	7	15.7	1	2.2	1	2.2	2	4.5	10	22.5
Richland	6	17.9	4	11.9	1	3.0	0	0.0	0	0.0	1	3.0
Chelan	32	58.6	13	23.8	7	12.8	2	3.7	0	0.0	10	18.3
Wenatchee	15	66.1	5	22.0	3	13.2	1	4.4	0	0.0	6	26.4
Clallam	24	40.0	10	16.7	4	6.7	2	3.3	0	0.0	8	13.3
Port Angeles	9	49.9	4	22.2	2	11.1	0	0.0	0	0.0	3	16.6
Clark	89	34.6	42	16.3	14	5.4	6	2.3	1	0.4	26	10.1
Vancouver	31	65.5	10	21.1	6	12.7	2	4.2	0	0.0	13	27.5
Columbia	5	125.0	2	50.0	1	25.0	0	0.0	0	0.0	2	50.0
Cowlitz	34	40.2	13	15.4	4	4.7	4	4.7	2	2.4	11	13.0
Longview	14	43.7	4	12.5	3	9.4	1	3.1	1	3.1	5	15.6
Douglas	10	35.8	4	14.3	2	7.2	0	0.0	0	0.0	4	14.3
Ferry	1	14.9	0	0.0	0	0.0	0	0.0	0	0.0	1	14.9
Franklin	19	48.5	11	28.1	0	0.0	0	0.0	0	0.0	8	20.4
Pasco	14	67.2	6	28.8	0	0.0	0	0.0	0	0.0	8	38.4
Garfield	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Grant	22	37.8	15	25.8	1	1.7	0	0.0	0	0.0	6	10.3
Grays Harbor	36	55.0	17	26.0	9	13.8	0	0.0	1	1.5	9	13.8
Aberdeen	7	42.1	2	12.0	3	18.0	0	0.0	1	6.0	1	6.0
Island	23	35.5	4	6.2	7	10.8	2	3.1	0	0.0	10	15.4
Oak Harbor	6	32.7	1	5.5	1	5.5	1	5.5	0	0.0	3	16.4
Jefferson	8	35.6	5	22.2	1	4.4	1	4.4	0	0.0	1	4.4
King	428	27.4	159	10.2	80	5.1	34	2.2	21	1.3	134	8.6
Auburn	13	37.9	4	11.7	1	2.9	1	2.9	4	11.7	3	8.8
Bellevue	15	16.9	4	4.5	4	4.5	1	1.1	1	1.1	5	5.6
Des Moines	8	44.0	2	11.0	2	11.0	0	0.0	0	0.0	4	22.0
Federal Way	16	22.1	7	9.7	0	0.0	4	5.5	0	0.0	5	6.9
Kent	19	47.1	12	29.8	1	2.5	5	12.4	0	0.0	1	2.5
Kirkland	12	29.0	3	7.2	5	12.1	1	2.4	1	2.4	2	4.8
Mercer Island	1	4.7	0	0.0	1	4.7	0	0.0	0	0.0	0	0.0
Redmond	5	12.8	3	7.7	0	0.0	1	2.6	0	0.0	1	2.6
Renton	13	30.2	5	11.6	3	7.0	1	2.3	0	0.0	4	9.3
Sea Tac	4	17.5	1	4.4	2	8.8	0	0.0	0	0.0	1	4.4
Seattle	189	36.2	61	11.7	40	7.7	11	2.1	10	1.9	67	12.8
Kitsap	62	30.2	31	15.1	10	4.9	4	1.9	1	0.5	16	7.8
Bremerton	17	43.6	10	25.6	0	0.0	0	0.0	0	0.0	7	18.0
Bainbridge Island	1	5.9	1	5.9	0	0.0	0	0.0	0	0.0	0	0.0
Kittitas	14	50.4	2	7.2	5	18.0	0	0.0	0	0.0	7	25.2
Klickitat	9	52.6	3	17.5	0	0.0	2	11.7	0	0.0	4	23.4

Table 34. Deaths by Selected Accidents by Place of Residence, 1992

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		Other Accidents	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	23	37.4	9	14.6	2	3.3	5	8.1	0	0.0	7	11.4
Lincoln	3	33.3	1	11.1	1	11.1	0	0.0	1	11.1	0	0.0
Mason	25	60.7	17	41.3	0	0.0	0	0.0	0	0.0	8	19.4
Okanogan	26	75.6	15	43.6	3	8.7	2	5.8	0	0.0	6	17.4
Pacific	8	41.2	5	25.8	0	0.0	2	10.3	0	0.0	1	5.2
Pend Oreille	7	74.5	5	53.2	0	0.0	0	0.0	1	10.6	1	10.6
Pierce	180	28.8	83	13.3	31	5.0	9	1.4	5	0.8	52	8.3
Puyallup	15	59.1	6	23.6	5	19.7	2	7.9	0	0.0	2	7.9
Tacoma	62	34.6	29	16.2	14	7.8	2	1.1	3	1.7	14	7.8
San Juan	7	61.9	2	17.7	1	8.8	0	0.0	0	0.0	4	35.4
Skagit	30	35.1	12	14.0	3	3.5	0	0.0	3	3.5	12	14.0
Mount Vernon	5	25.6	1	5.1	1	5.1	0	0.0	0	0.0	3	15.3
Skamania	5	57.5	2	23.0	0	0.0	0	0.0	1	11.5	2	23.0
Snohomish	113	22.9	45	9.1	23	4.7	6	1.2	3	0.6	36	7.3
Edmonds	10	32.5	4	13.0	4	13.0	0	0.0	0	0.0	2	6.5
Everett	29	38.2	8	10.5	7	9.2	3	4.0	0	0.0	11	14.5
Lynnwood	12	41.2	7	24.0	0	0.0	0	0.0	1	3.4	4	13.7
Mountlake Terrace	3	15.1	0	0.0	2	10.1	0	0.0	0	0.0	1	5.0
Spokane	135	36.0	51	13.6	35	9.3	5	1.3	2	0.5	42	11.2
Spokane (City)	86	47.6	27	14.9	26	14.4	4	2.2	0	0.0	29	16.0
Stevens	15	46.6	8	24.8	4	12.4	0	0.0	0	0.0	3	9.3
Thurston	62	35.6	26	14.9	20	11.5	2	1.1	0	0.0	14	8.0
Lacey	5	23.5	0	0.0	3	14.1	0	0.0	0	0.0	2	9.4
Olympia	19	53.1	6	16.8	8	22.3	0	0.0	0	0.0	5	14.0
Wahkiakum	1	29.4	0	0.0	0	0.0	0	0.0	0	0.0	1	29.4
Walla Walla	22	43.6	11	21.8	4	7.9	1	2.0	0	0.0	6	11.9
Walla Walla (City)	12	42.7	6	21.3	2	7.1	1	3.6	0	0.0	3	10.7
Whatcom	53	38.7	18	13.1	10	7.3	11	8.0	3	2.2	11	8.0
Bellingham	22	40.5	7	12.9	6	11.1	2	3.7	1	1.8	6	11.1
Whitman	14	36.1	4	10.3	2	5.2	2	5.2	0	0.0	6	15.5
Pullman	6	25.9	3	12.9	0	0.0	1	4.3	0	0.0	2	8.6
Yakima	96	49.5	48	24.8	8	4.1	15	7.7	8	4.1	17	8.8
Yakima (City)	34	57.9	14	23.9	3	5.1	5	8.5	3	5.1	9	15.3

¹Rates per 100,000 population

NOTE: Source for Selected Accidents is International Classification of Diseases (Ninth Revision).

All Accidents (ICD E800-E949)

Motor Vehicle (ICD E810-E825, E929.0)

Falls (ICD E880-E888, E929.3)

Drownings (ICD E830, E832, E910)

Fires (ICD E890-E899, E929.4)

S05410D-HDE/DEAA17P4

Table 35. Deaths by External Causes by Place of Residence, 1992

County and City	Suicide		Homicide		Undetermined	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	695	13.6	291	5.7	90	1.8
Adams	3	21.3	2	14.2	0	0.0
Asotin	4	22.2	1	5.6	0	0.0
Benton	14	11.8	2	1.7	1	0.8
Kennewick	9	20.2	1	2.2	0	0.0
Richland	0	0.0	0	0.0	0	0.0
Chelan	6	11.0	4	7.3	1	1.8
Wenatchee	4	17.6	2	8.8	1	4.4
Clallam	14	23.3	2	3.3	2	3.3
Port Angeles	5	27.7	1	5.5	1	5.5
Clark	31	12.0	6	2.3	6	2.3
Vancouver	9	19.0	2	4.2	1	2.1
Columbia	1	25.0	0	0.0	0	0.0
Cowlitz	15	17.8	5	5.9	0	0.0
Longview	7	21.9	4	12.5	0	0.0
Douglas	4	14.3	4	14.3	0	0.0
Ferry	1	14.9	0	0.0	0	0.0
Franklin	3	7.7	2	5.1	1	2.6
Pasco	1	4.8	2	9.6	1	4.8
Garfield	2	87.0	0	0.0	0	0.0
Grant	8	13.7	7	12.0	1	1.7
Grays Harbor	13	19.9	1	1.5	0	0.0
Aberdeen	5	30.1	1	6.0	0	0.0
Island	3	4.6	0	0.0	1	1.5
Oak Harbor	1	5.5	0	0.0	0	0.0
Jefferson	0	0.0	2	8.9	3	13.3
King	210	13.4	105	6.7	31	2.0
Auburn	6	17.5	1	2.9	1	2.9
Bellevue	8	9.0	3	3.4	0	0.0
Des Moines	5	27.5	1	5.5	0	0.0
Federal Way	5	6.9	2	2.8	1	1.4
Kent	6	14.9	3	7.4	0	0.0
Kirkland	6	14.5	0	0.0	0	0.0
Mercer Island	2	9.4	0	0.0	0	0.0
Redmond	5	12.8	1	2.6	0	0.0
Renton	9	20.9	7	16.2	1	2.3
Sea Tac	3	13.1	0	0.0	0	0.0
Seattle	92	17.6	67	12.8	21	4.0
Kitsap	26	12.6	7	3.4	5	2.4
Bremerton	8	20.5	5	12.8	2	5.1
Bainbridge Island	0	0.0	0	0.0	0	0.0
Kittitas	3	10.8	0	0.0	0	0.0
Klickitat	3	17.5	2	11.7	0	0.0

Table 35. Deaths by External Causes by Place of Residence, 1992

County and City	Suicide		Homicide		Undetermined	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	6	9.8	5	8.1	0	0.0
Lincoln	1	11.1	1	11.1	0	0.0
Mason	8	19.4	1	2.4	0	0.0
Okanogan	3	8.7	0	0.0	0	0.0
Pacific	3	15.5	0	0.0	0	0.0
Pend Oreille	1	10.6	1	10.6	0	0.0
Pierce	97	15.5	64	10.3	23	3.7
Puyallup	5	19.7	1	3.9	2	7.9
Tacoma	38	21.2	35	19.6	11	6.1
San Juan	3	26.5	0	0.0	0	0.0
Skagit	13	15.2	1	1.2	0	0.0
Mount Vernon	2	10.2	1	5.1	0	0.0
Skamania	1	11.5	1	11.5	0	0.0
Snohomish	62	12.5	19	3.8	4	0.8
Edmonds	6	19.5	0	0.0	0	0.0
Everett	12	15.8	3	4.0	0	0.0
Lynnwood	5	17.2	2	6.9	1	3.4
Mountlake Terrace	2	10.1	2	10.1	0	0.0
Spokane	50	13.3	23	6.1	3	0.8
Spokane (City)	28	15.5	12	6.6	3	1.7
Stevens	6	18.6	2	6.2	0	0.0
Thurston	23	13.2	8	4.6	3	1.7
Lacey	4	18.8	1	4.7	0	0.0
Olympia	7	19.6	2	5.6	2	5.6
Wahkiakum	1	29.4	0	0.0	0	0.0
Walla Walla	4	7.9	1	2.0	2	4.0
Walla Walla (City)	3	10.7	0	0.0	1	3.6
Whatcom	18	13.1	2	1.5	2	1.5
Bellingham	7	12.9	1	1.8	1	1.8
Whitman	3	7.7	1	2.6	0	0.0
Pullman	1	4.3	0	0.0	0	0.0
Yakima	28	14.4	9	4.6	1	0.5
Yakima (City)	9	15.3	3	5.1	1	1.7

¹Rates per 100,000 population.

NOTE: Source for External Causes is International Classification of Diseases (Ninth Revision).

Suicide (ICD E950-E959)

Homicide (ICD E960-E969)

Undetermined (ICD E980-E989)

S05410E-HDE/DEAA17P5

Table 36. Deaths Due to Human Immunodeficiency Virus by Sex by Place of Occurrence, 1992

County and City	Total		Male	Female
	Number	Rate ¹		
State Total	448	8.8	426	22
Adams	0	0.0	0	0
Asotin	0	0.0	0	0
Benton	4	3.4	4	0
Kennewick	2	4.5	2	0
Richland	1	3.0	1	0
Chelan	2	3.7	2	0
Wenatchee	1	4.4	1	0
Clallam	2	3.3	2	0
Port Angeles	2	11.1	2	0
Clark	10	3.9	8	2
Vancouver	9	19.0	7	2
Columbia	0	0.0	0	0
Cowlitz	5	5.9	5	0
Longview	5	15.6	5	0
Douglas	0	0.0	0	0
Ferry	0	0.0	0	0
Franklin	0	0.0	0	0
Pasco	0	0.0	0	0
Garfield	0	0.0	0	0
Grant	0	0.0	0	0
Grays Harbor	1	1.5	1	0
Aberdeen	1	6.0	1	0
Island	3	4.6	3	0
Oak Harbor	0	0.0	0	0
Jefferson	2	8.9	2	0
King	308	19.7	298	10
Auburn	2	5.8	2	0
Bellevue	4	4.5	4	0
Des Moines	1	5.5	1	0
Federal Way	4	5.5	4	0
Kent	3	7.4	3	0
Kirkland	3	7.2	1	2
Mercer Island	0	0.0	0	0
Redmond	1	2.6	1	0
Renton	4	9.3	4	0
Sea Tac	0	0.0	0	0
Seattle	286	54.8	278	8
Kitsap	5	2.4	5	0
Bremerton	0	0.0	0	0
Bainbridge Island	0	0.0	0	0
Kittitas	0	0.0	0	0
Klickitat	0	0.0	0	0

Table 36. Deaths Due to Human Immunodeficiency Virus by Sex by Place of Occurrence, 1992

County and City	Total		Male	Female
	Number	Rate ¹		
Lewis	2	3.3	2	0
Lincoln	0	0.0	0	0
Mason	0	0.0	0	0
Okanogan	1	2.9	1	0
Pacific	1	5.2	1	0
Pend Oreille	0	0.0	0	0
Pierce	32	5.1	29	3
Puyallup	2	7.9	2	0
Tacoma	28	15.6	25	3
San Juan	1	8.8	1	0
Skagit	2	2.3	2	0
Mount Vernon	1	5.1	1	0
Skamania	0	0.0	0	0
Snohomish	18	3.6	16	2
Edmonds	5	16.3	5	0
Everett	6	7.9	5	1
Lynnwood	2	6.9	2	0
Mountlake Terrace	0	0.0	0	0
Spokane	21	5.6	18	3
Spokane (City)	21	11.6	18	3
Stevens	1	3.1	1	0
Thurston	13	7.5	11	2
Lacey	2	9.4	2	0
Olympia	9	25.1	8	1
Wahkiakum	0	0.0	0	0
Walla Walla	1	2.0	1	0
Walla Walla (City)	1	3.6	1	0
Whatcom	6	4.4	6	0
Bellingham	4	7.4	4	0
Whitman	1	2.6	1	0
Pullman	0	0.0	0	0
Yakima	5	2.6	5	0
Yakima (City)	5	8.5	5	0

¹Rates per 100,000 population

NOTE: Source for Human Immunodeficiency Virus is International Classification of Diseases (Ninth Revision).
Human Immunodeficiency Virus (ICD 042-044)

SO2780A-HDE/DEAA23P2

Table 37. Deaths by Selected Accidents by Place of Occurrence, 1992

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		Other Accidents	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	1,633	31.9	686	13.4	291	5.7	119	2.3	54	1.1	483	9.4
Adams	8	56.7	7	49.6	0	0.0	0	0.0	0	0.0	1	7.1
Asotin	3	16.7	0	0.0	0	0.0	0	0.0	0	0.0	3	16.7
Benton	37	31.2	17	14.3	5	4.2	4	3.4	2	1.7	9	7.6
Kennewick	13	29.2	2	4.5	2	4.5	1	2.2	2	4.5	6	13.5
Richland	11	32.8	5	14.9	2	6.0	2	6.0	0	0.0	2	6.0
Chelan	46	84.2	21	38.5	11	20.1	2	3.7	0	0.0	12	22.0
Wenatchee	27	118.9	9	39.6	7	30.8	1	4.4	0	0.0	10	44.0
Clallam	15	25.0	6	10.0	2	3.3	2	3.3	0	0.0	5	8.3
Port Angeles	9	49.9	4	22.2	2	11.1	0	0.0	0	0.0	3	16.6
Clark	73	28.3	29	11.3	9	3.5	9	3.5	1	0.4	25	9.7
Vancouver	53	112.0	17	35.9	8	16.9	8	16.9	1	2.1	19	40.1
Columbia	5	125.0	3	75.0	1	25.0	0	0.0	0	0.0	1	25.0
Cowlitz	22	26.0	8	9.5	3	3.6	3	3.6	1	1.2	7	8.3
Longview	14	43.7	5	15.6	3	9.4	2	6.2	1	3.1	3	9.4
Douglas	6	21.5	3	10.8	0	0.0	0	0.0	0	0.0	3	10.8
Ferry	4	59.7	3	44.8	0	0.0	0	0.0	0	0.0	1	14.9
Franklin	25	63.8	16	40.8	1	2.6	1	2.6	0	0.0	7	17.9
Pasco	14	67.2	6	28.8	1	4.8	0	0.0	0	0.0	7	33.6
Garfield	3	130.4	2	87.0	0	0.0	0	0.0	0	0.0	1	43.5
Grant	18	30.9	11	18.9	1	1.7	1	1.7	0	0.0	5	8.6
Grays Harbor	27	41.3	12	18.3	9	13.8	0	0.0	1	1.5	5	7.6
Aberdeen	14	84.2	5	30.1	5	30.1	0	0.0	1	6.0	3	18.0
Island	17	26.2	4	6.2	5	7.7	5	7.7	0	0.0	3	4.6
Oak Harbor	5	27.3	1	5.5	2	10.9	2	10.9	0	0.0	0	0.0
Jefferson	7	31.1	4	17.8	2	8.9	1	4.4	0	0.0	0	0.0
King	488	31.2	185	11.8	91	5.8	27	1.7	28	1.8	157	10.0
Auburn	12	35.0	4	11.7	0	0.0	0	0.0	5	14.6	3	8.8
Bellevue	21	23.7	7	7.9	6	6.8	3	3.4	1	1.1	4	4.5
Des Moines	8	44.0	2	11.0	3	16.5	0	0.0	0	0.0	3	16.5
Federal Way	12	16.6	4	5.5	1	1.4	2	2.8	0	0.0	5	6.9
Kent	8	19.9	5	12.4	0	0.0	0	0.0	0	0.0	3	7.4
Kirkland	11	26.6	0	0.0	5	12.1	2	4.8	1	2.4	3	7.2
Mercer Island	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Redmond	5	12.8	2	5.1	1	2.6	0	0.0	0	0.0	2	5.1
Renton	12	27.8	3	7.0	6	13.9	1	2.3	0	0.0	2	4.6
Sea Tac	3	13.1	2	8.8	1	4.4	0	0.0	0	0.0	0	0.0
Seattle	345	66.1	134	25.7	64	12.3	16	3.1	20	3.8	111	21.3
Kitsap	41	19.9	21	10.2	6	2.9	4	1.9	0	0.0	10	4.9
Bremerton	13	33.3	5	12.8	0	0.0	2	5.1	0	0.0	6	15.4
Bainbridge Island	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kittitas	23	82.7	15	54.0	4	14.4	2	7.2	0	0.0	2	7.2
Klickitat	7	40.9	2	11.7	0	0.0	2	11.7	0	0.0	3	17.5

Table 37. Deaths by Selected Accidents by Place of Occurrence, 1992

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		Other Accidents	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	25	40.7	14	22.8	0	0.0	5	8.1	0	0.0	6	9.8
Lincoln	8	88.9	4	44.4	1	11.1	0	0.0	1	11.1	2	22.2
Mason	21	51.0	13	31.6	2	4.9	0	0.0	0	0.0	6	14.6
Okanogan	20	58.1	11	32.0	3	8.7	3	8.7	0	0.0	3	8.7
Pacific	12	61.9	4	20.6	2	10.3	3	15.5	0	0.0	3	15.5
Pend Oreille	6	63.8	3	31.9	1	10.6	0	0.0	0	0.0	2	21.3
Pierce	132	21.2	54	8.7	24	3.8	10	1.6	5	0.8	39	6.3
Puyallup	31	122.0	12	47.2	9	35.4	3	11.8	0	0.0	7	27.6
Tacoma	59	33.0	21	11.7	13	7.3	3	1.7	5	2.8	17	9.5
San Juan	9	79.6	1	8.8	0	0.0	2	17.7	0	0.0	6	53.1
Skagit	35	40.9	9	10.5	6	7.0	5	5.8	3	3.5	12	14.0
Mount Vernon	9	46.0	2	10.2	3	15.3	0	0.0	1	5.1	3	15.3
Skamania	10	114.9	4	46.0	2	23.0	2	23.0	0	0.0	2	23.0
Snohomish	92	18.6	34	6.9	20	4.0	4	0.8	2	0.4	32	6.5
Edmonds	12	39.0	3	9.8	6	19.5	0	0.0	0	0.0	3	9.8
Everett	32	42.2	9	11.9	8	10.5	1	1.3	0	0.0	14	18.5
Lynnwood	9	30.9	4	13.7	2	6.9	0	0.0	1	3.4	2	6.9
Mountlake Terrace	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Spokane	133	35.5	46	12.3	37	9.9	4	1.1	2	0.5	44	11.7
Spokane (City)	122	67.5	40	22.1	35	19.4	4	2.2	2	1.1	41	22.7
Stevens	11	34.2	5	15.5	3	9.3	1	3.1	0	0.0	2	6.2
Thurston	64	36.7	31	17.8	16	9.2	2	1.1	0	0.0	15	8.6
Lacey	6	28.2	2	9.4	1	4.7	0	0.0	0	0.0	3	14.1
Olympia	40	111.7	16	44.7	15	41.9	1	2.8	0	0.0	8	22.3
Wahkiakum	2	58.8	0	0.0	0	0.0	0	0.0	0	0.0	2	58.8
Walla Walla	23	45.5	12	23.8	3	5.9	0	0.0	0	0.0	8	15.8
Walla Walla (City)	21	74.7	11	39.1	2	7.1	0	0.0	0	0.0	8	28.4
Whatcom	52	37.9	20	14.6	10	7.3	5	3.6	2	1.5	15	10.9
Bellingham	32	59.0	7	12.9	8	14.7	4	7.4	2	3.7	11	20.3
Whitman	7	18.0	1	2.6	2	5.2	1	2.6	0	0.0	3	7.7
Pullman	4	17.2	1	4.3	1	4.3	0	0.0	0	0.0	2	8.6
Yakima	96	49.5	51	26.3	9	4.6	9	4.6	6	3.1	21	10.8
Yakima (City)	55	93.7	24	40.9	7	11.9	5	8.5	2	3.4	17	29.0

¹Rates per 100,000 population

NOTE: Source for Selected Accidents is International Classification of Diseases (Ninth Revision).

All Accidents (ICD E800-E949)

Motor Vehicle (ICD E810-E825, E929.0)

Falls (ICD E880-E888, E929.3)

Drownings (ICD E830, E832, E910)

Fires (ICD E890-E899, E929.4)

S02420A-HDE/DEAA17P1

Table 38. Deaths by External Causes by Place of Occurrence, 1992

County and City	Suicide		Homicide		Undetermined	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	685	13.4	290	5.7	93	1.8
Adams	2	14.2	0	0.0	0	0.0
Asotin	4	22.2	0	0.0	0	0.0
Benton	11	9.3	1	0.8	0	0.0
Kennewick	8	18.0	1	2.2	0	0.0
Richland	0	0.0	0	0.0	0	0.0
Chelan	9	16.5	8	14.7	1	1.8
Wenatchee	5	22.0	3	13.2	1	4.4
Clallam	14	23.3	0	0.0	2	3.3
Port Angeles	6	33.3	0	0.0	2	11.1
Clark	28	10.9	6	2.3	5	1.9
Vancouver	20	42.2	4	8.4	2	4.2
Columbia	1	25.0	0	0.0	0	0.0
Cowlitz	14	16.6	3	3.6	1	1.2
Longview	10	31.2	3	9.4	0	0.0
Douglas	3	10.8	0	0.0	0	0.0
Ferry	1	14.9	0	0.0	0	0.0
Franklin	3	7.7	3	7.7	1	2.6
Pasco	2	9.6	3	14.4	1	4.8
Garfield	1	43.5	0	0.0	0	0.0
Grant	7	12.0	8	13.7	1	1.7
Grays Harbor	15	22.9	3	4.6	1	1.5
Aberdeen	5	30.1	2	12.0	0	0.0
Island	5	7.7	0	0.0	1	1.5
Oak Harbor	3	16.4	0	0.0	0	0.0
Jefferson	1	4.4	1	4.4	1	4.4
King	210	13.4	113	7.2	36	2.3
Auburn	6	17.5	1	2.9	0	0.0
Bellevue	9	10.2	1	1.1	0	0.0
Des Moines	3	16.5	1	5.5	0	0.0
Federal Way	5	6.9	1	1.4	1	1.4
Kent	6	14.9	4	9.9	2	5.0
Kirkland	5	12.1	1	2.4	0	0.0
Mercer Island	2	9.4	0	0.0	0	0.0
Redmond	4	10.2	1	2.6	0	0.0
Renton	18	41.8	4	9.3	1	2.3
Sea Tac	6	26.3	1	4.4	0	0.0
Seattle	123	23.6	90	17.2	29	5.6
Kitsap	21	10.2	6	2.9	3	1.5
Bremerton	13	33.3	5	12.8	2	5.1
Bainbridge Island	0	0.0	0	0.0	0	0.0
Kittitas	4	14.4	1	3.6	0	0.0
Klickitat	3	17.5	3	17.5	0	0.0

Table 38. Deaths by External Causes by Place of Occurrence, 1992

County and City	Suicide		Homicide		Undetermined	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	6	9.8	5	8.1	0	0.0
Lincoln	1	11.1	1	11.1	0	0.0
Mason	11	26.7	1	2.4	0	0.0
Okanogan	3	8.7	2	5.8	1	2.9
Pacific	3	15.5	1	5.2	0	0.0
Pend Oreille	0	0.0	0	0.0	0	0.0
Pierce	88	14.1	63	10.1	25	4.0
Puyallup	14	55.1	5	19.7	1	3.9
Tacoma	55	30.7	42	23.5	19	10.6
San Juan	3	26.5	0	0.0	0	0.0
Skagit	10	11.7	0	0.0	0	0.0
Mount Vernon	3	15.3	0	0.0	0	0.0
Skamania	3	34.5	1	11.5	0	0.0
Snohomish	60	12.1	15	3.0	3	0.6
Edmonds	4	13.0	4	13.0	0	0.0
Everett	17	22.4	5	6.6	1	1.3
Lynnwood	7	24.0	0	0.0	1	3.4
Mountlake Terrace	2	10.1	0	0.0	0	0.0
Spokane	52	13.9	29	7.7	4	1.1
Spokane (City)	46	25.4	26	14.4	4	2.2
Stevens	7	21.7	1	3.1	0	0.0
Thurston	22	12.6	6	3.4	2	1.1
Lacey	4	18.8	1	4.7	0	0.0
Olympia	14	39.1	3	8.4	1	2.8
Wahkiakum	1	29.4	0	0.0	0	0.0
Walla Walla	6	11.9	0	0.0	2	4.0
Walla Walla (City)	6	21.3	0	0.0	2	7.1
Whatcom	18	13.1	2	1.5	3	2.2
Bellingham	8	14.7	2	3.7	1	1.8
Whitman	5	12.9	0	0.0	0	0.0
Pullman	2	8.6	0	0.0	0	0.0
Yakima	29	15.0	7	3.6	0	0.0
Yakima (City)	15	25.6	4	6.8	0	0.0

¹Rates per 100,000 population

NOTE: Source for External Causes is International Classification of Diseases (Ninth Revision).

Suicide (ICD E950-E959)

Homicide (ICD E960-E969)

Undetermined (ICD E980-E989)

SO2420B-HDE/DEAA17P2

Table 39. Deaths by Type of Place by Place of Occurrence, 1992

County and City	Total	General Hospital	Nursing Home	Home	Federal Facility	Psychiatric Hospital	Dead on Arrival	Other and Not Specified
State Total	38,048	15,101	10,580	9,653	805	28	13	1,868
Adams	91	38	27	19	0	0	0	7
Asotin	156	56	59	35	0	0	1	5
Benton	668	272	146	217	0	0	0	33
Kennewick	326	113	84	119	0	0	0	10
Richland	244	141	38	58	0	0	0	7
Chelan	659	321	187	118	0	0	0	33
Wenatchee	493	293	126	66	0	0	0	8
Clallam	649	205	201	218	0	0	2	23
Port Angeles	388	176	87	110	0	0	2	13
Clark	1,563	479	432	547	4	0	1	100
Vancouver	1,259	476	297	414	4	0	1	67
Columbia	39	18	12	4	0	0	0	5
Cowlitz	774	278	250	145	0	0	0	101
Longview	658	277	233	70	0	0	0	78
Douglas	84	0	35	40	0	0	0	9
Ferry	27	10	0	12	0	0	0	5
Franklin	250	124	45	58	0	0	0	23
Pasco	229	124	45	51	0	0	0	9
Garfield	24	8	4	9	0	0	0	3
Grant	338	170	67	79	0	0	0	22
Grays Harbor	588	211	187	161	0	0	0	29
Aberdeen	363	194	102	58	0	0	0	9
Island	319	73	86	134	3	0	0	23
Oak Harbor	94	0	29	51	2	0	0	12
Jefferson	154	60	40	39	0	0	0	15
King	11,883	5,083	3,188	2,769	273	0	3	567
Auburn	398	131	130	117	0	0	0	20
Bellevue	599	311	104	159	0	0	0	25
Des Moines	255	0	210	43	0	0	0	2
Federal Way	349	101	136	98	0	0	0	14
Kent	159	0	3	134	0	0	0	22
Kirkland	555	175	209	93	0	0	0	78
Mercer Island	84	0	48	33	0	0	0	3
Redmond	300	156	68	61	0	0	0	15
Renton	652	380	104	144	1	0	0	23
Sea Tac	33	0	0	23	0	0	0	10
Seattle	7,812	3,752	1,937	1,587	272	0	3	261
Kitsap	1,260	444	367	338	41	0	2	68
Bremerton	795	443	180	133	18	0	2	19
Bainbridge Island	7	0	6	1	0	0	0	0
Kittitas	204	64	60	54	0	0	0	26
Klickitat	138	46	31	50	0	0	0	11

Table 39. Deaths by Type of Place by Place of Occurrence, 1992

County and City	Total	General Hospital	Nursing Home	Home	Federal Facility	Psychiatric Hospital	Dead on Arrival	Other and Not Specified
Lewis	545	229	155	134	0	0	0	27
Lincoln	84	32	15	26	0	0	0	11
Mason	294	96	81	94	0	0	0	23
Okanogan	293	99	85	84	0	0	0	25
Pacific	188	67	57	48	0	0	0	16
Pend Oreille	72	25	25	17	0	0	0	5
Pierce	4,450	1,758	1,152	1,103	317	14	0	106
Puyallup	705	348	191	155	0	0	0	11
Tacoma	3,166	1,408	872	647	193	3	0	43
San Juan	79	0	28	36	0	0	0	15
Skagit	824	346	234	201	0	0	1	42
Mount Vernon	331	168	87	68	0	0	0	8
Skamania	35	0	1	22	0	0	0	12
Snohomish	2,689	916	793	875	0	0	2	103
Edmonds	454	272	98	76	0	0	1	7
Everett	1,103	557	246	270	0	0	1	29
Lynnwood	197	3	104	80	0	0	0	10
Mountlake Terrace	48	0	6	41	0	0	0	1
Spokane	3,689	1,680	1,026	738	101	14	0	130
Spokane (City)	3,412	1,667	931	614	97	0	0	103
Stevens	223	70	81	58	0	0	0	14
Thurston	1,331	551	350	376	0	0	1	53
Lacey	180	3	118	52	0	0	0	7
Olympia	1,021	546	228	227	0	0	1	19
Wahkiakum	27	0	16	7	0	0	0	4
Walla Walla	596	206	213	97	66	0	0	14
Walla Walla (City)	524	204	170	73	66	0	0	11
Whatcom	998	283	348	288	0	0	0	79
Bellingham	778	282	294	168	0	0	0	34
Whitman	158	38	67	44	0	0	0	9
Pullman	50	18	13	16	0	0	0	3
Yakima	1,605	745	429	359	0	0	0	72
Yakima (City)	1,116	612	284	197	0	0	0	23

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Table 40a. Infant Mortality to Residents by Cause¹ by Age and Sex, 1992

Cause and International List Number	Total		Under 1 Day		Under 7 Days		7 Days to Under 28 Days	
	Male	Female	Male	Female	Male	Female	Male	Female
Total All Causes	297	239	82	83	33	18	48	24
All Infective and Parasitic Diseases (000-139)	9	5	1	0	0	0	2	1
Malignant Neoplasms (140-208,230-234)	1	0	0	0	0	0	0	0
Meningitis (320,322)	2	0	0	0	0	0	0	0
Diseases of the Circulatory System (390-459)	6	5	0	2	1	0	1	0
Pneumonia and Influenza (480-487)	4	5	0	1	0	0	0	1
Other Diseases of Respiratory System (510-519)	4	5	0	0	0	0	0	2
Hernia and Intestinal Obstruction (550-553,560)	0	0	0	0	0	0	0	0
Congenital Anomalies (740-759)	78	60	24	22	16	11	18	6
Anencephalus (740)	3	3	1	2	0	1	1	0
Spina Bifida and Meningocele (741)	0	0	0	0	0	0	0	0
Other Anomalies of the Central Nervous System (742)	6	11	0	6	1	3	2	0
Anomalies of the Heart (745-746)	25	16	2	2	9	2	8	4
Other Anomalies of Circulatory System (747)	5	1	0	1	1	0	2	0
Anomalies of the Respiratory System (748)	16	6	11	3	2	1	2	0
Anomalies of the Digestive System (749-751)	0	0	0	0	0	0	0	0
Anomalies of the Genitourinary System (752-753)	2	4	2	1	0	1	0	1
Anomalies of the Musculoskeletal System (754-756)	9	3	4	2	1	0	1	0
Chromosomal Anomalies (758)	10	13	3	3	2	2	1	1
Other Congenital Anomalies	2	3	1	2	0	1	1	0
Certain Conditions in Perinatal Period (760-779)	94	77	55	58	15	6	16	9
Maternal Diseases Affecting Child (760)	1	1	1	1	0	0	0	0
Complications of Pregnancy Affecting Child (761-762)	23	18	21	15	0	1	1	1
Birth injuries (763,767-769)	13	9	2	7	7	0	2	0
Other Diseases Peculiar to Early Infancy	57	49	31	35	8	5	13	8
Sudden Infant Death Syndrome (798.0)	69	61	0	0	0	1	7	3
All Other Diseases (000-799)	17	13	1	0	1	0	2	1
All Accidents (E800-E949)	7	4	0	0	0	0	1	1
Motor Vehicle Accidents (E810-E825)	2	0	0	0	0	0	1	0
Accidental Drowning and Submersion (E910)	1	0	0	0	0	0	0	0
Inhalation of Food or Other Object Causing Obstruction or Suffocation (E911-E912)	0	0	0	0	0	0	0	0
Mechanical Suffocation in Bed or Cradle and in Other and Unspecified Circumstances (E913)	4	4	0	0	0	0	0	1
All Other Accidents	0	0	0	0	0	0	0	0
Homicide (E963-E968)	4	3	0	0	0	0	0	0
Injury Undetermined Whether Accidentally or Purposely Inflicted (E980-E988)	2	1	1	0	0	0	1	0

¹Totals for sub-groups by selected causes are shaded.

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NOTE: The column totals for males and females equal the sums of infant deaths by gender shown in Tables 40a and 40b.

Table 40b. Infant Mortality to Residents by Cause¹ by Age and Sex, 1992

Cause and International Number	28 Days to Under 3 Months		3 Months to Under 6 Months		6 Months to Under 9 Months		9 Months to Under 12 Months	
	Male	Female	Male	Female	Male	Female	Male	Female
	Total All Causes	53	43	53	44	19	15	9
All Infective and Parasitic Diseases (000-139)	4	2	1	2	1	0	0	0
Malignant Neoplasms (140-208,230-234)	0	0	0	0	0	0	1	0
Meningitis (320,322)	2	0	0	0	0	0	0	0
Diseases of the Circulatory System (390-459)	1	0	0	1	2	1	1	1
Pneumonia and Influenza (480-487)	1	1	2	1	1	0	0	1
Other Diseases of Respiratory System (510-519)	1	0	2	2	1	1	0	0
Hernia and Intestinal Obstruction (550-553,560)	0	0	0	0	0	0	0	0
Congenital Anomalies (740-759)	10	9	6	6	2	4	2	3
Anencephalus (740)	0	0	0	0	1	0	0	0
Spina Bifida and Meningocele (741)	0	0	0	0	0	0	0	0
Other Anomalies of the Central Nervous System (742)	1	1	1	0	0	1	1	0
Anomalies of the Heart (745-746)	4	2	1	2	0	2	1	2
Other Anomalies of Circulatory System (747)	1	0	0	0	1	0	0	0
Anomalies of the Respiratory System (748)	1	2	0	0	0	0	0	0
Anomalies of the Digestive System (749-751)	0	0	0	0	0	0	0	0
Anomalies of the Genitourinary System (752-753)	0	1	0	0	0	0	0	0
Anomalies of the Musculoskeletal System (754-756)	2	0	1	1	0	0	0	0
Chromosomal Anomalies (758)	1	3	3	2	0	1	0	1
Other Congenital Anomalies	0	0	0	0	0	0	0	0
Certain Conditions in Perinatal Period (760-779)	1	2	5	1	1	1	1	0
Maternal Diseases Affecting Child (760)	0	0	0	0	0	0	0	0
Complications of Pregnancy Affecting Child (761-762)	0	1	1	0	0	0	0	0
Birth injuries (763,767-769)	0	1	1	0	1	1	0	0
Other Diseases Peculiar to Early Infancy	1	0	3	1	0	0	1	0
Sudden Infant Death Syndrome (798.0)	26	24	31	26	5	3	0	4
All Other Diseases (000-799)	3	3	4	3	4	4	2	2
All Accidents (E800-E949)	1	0	2	1	2	1	1	1
Motor Vehicle Accidents (E810-E825)	0	0	1	0	0	0	0	0
Accidental Drowning and Submersion (E910)	0	0	0	0	1	0	0	0
Inhalation of Food or Other Object Causing Obstruction or Suffocation (E911-E912)	0	0	0	0	0	0	0	0
Mechanical Suffocation in Bed or Cradle and in Other and Unspecified Circumstances (E913)	1	0	1	1	1	1	1	1
All Other Accidents	0	0	0	0	0	0	0	0
Homicide (E963-E968)	3	1	0	2	0	0	1	0
Injury Undetermined Whether Accidentally or Purposely Inflicted (E980-E988)	0	1	0	0	0	0	0	0

¹Totals for sub-groups by selected causes are shaded.

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Table 41. Infant Mortality by Selected Causes by Place of Residence, 1992

County and City	Total All Causes	Birth Injuries	Other Conditions of Perinatal Period	Congenital Malformations	Pneumonia and Influenza	All Accidents	Sudden Infant Death	All Other Causes
State Total	536	22	149	138	9	11	130	77
Adams	3	0	2	1	0	0	0	0
Asotin	0	0	0	0	0	0	0	0
Benton	10	0	3	3	2	0	1	1
Kennewick	7	0	2	2	1	0	1	1
Richland	1	0	0	1	0	0	0	0
Chelan	6	2	1	0	0	0	2	1
Wenatchee	3	0	0	0	0	0	2	1
Clallam	9	1	0	3	0	0	4	1
Port Angeles	3	0	0	2	0	0	1	0
Clark	32	2	9	7	0	0	9	5
Vancouver	10	1	2	3	0	0	2	2
Columbia	0	0	0	0	0	0	0	0
Cowlitz	12	1	4	1	1	0	4	1
Longview	5	0	3	1	0	0	1	0
Douglas	2	1	0	0	0	0	1	0
Ferry	1	0	0	1	0	0	0	0
Franklin	10	0	1	5	0	0	3	1
Pasco	7	0	1	2	0	0	3	1
Garfield	0	0	0	0	0	0	0	0
Grant	8	0	2	2	1	0	1	2
Grays Harbor	3	0	0	0	0	0	2	1
Aberdeen	1	0	0	0	0	0	1	0
Island	9	0	3	1	0	1	3	1
Oak Harbor	3	0	1	0	0	0	1	1
Jefferson	4	0	2	1	0	0	1	0
King	138	6	44	29	1	5	27	26
Auburn	7	0	2	1	0	1	1	2
Bellevue	8	1	3	1	0	0	2	1
Des Moines	2	0	0	1	0	0	1	0
Federal Way	9	0	4	2	0	0	1	2
Kent	7	0	3	2	0	0	2	0
Kirkland	1	0	1	0	0	0	0	0
Mercer Island	0	0	0	0	0	0	0	0
Redmond	3	1	0	2	0	0	0	0
Renton	9	1	1	4	0	0	1	2
Sea Tac	0	0	0	0	0	0	0	0
Seattle	43	1	17	7	0	2	7	9
Kitsap	25	0	5	11	0	0	5	4
Bremerton	6	0	2	2	0	0	2	0
Bainbridge Island	0	0	0	0	0	0	0	0
Kittitas	2	0	2	0	0	0	0	0
Klickitat	4	0	0	1	0	0	1	2

Table 41. Infant Mortality by Selected Causes by Place of Residence, 1992

County and City	Total All Causes	Birth Injuries	Other Conditions of Perinatal Period	Congenital Malformations	Pneumonia and Influenza	All Accidents	Sudden Infant Death	All Other Causes
Lewis	10	1	2	4	0	0	3	0
Lincoln	0	0	0	0	0	0	0	0
Mason	3	0	1	1	0	0	1	0
Okanogan	5	0	1	1	0	1	2	0
Pacific	3	0	1	0	0	0	1	1
Pend Oreille	0	0	0	0	0	0	0	0
Pierce	80	0	22	24	1	1	20	12
Puyallup	1	0	0	0	0	0	0	1
Tacoma	29	0	7	13	0	0	7	2
San Juan	2	0	1	1	0	0	0	0
Skagit	8	0	2	1	0	0	4	1
Mount Vernon	0	0	0	0	0	0	0	0
Skamania	0	0	0	0	0	0	0	0
Snohomish	39	0	10	11	1	0	12	5
Edmonds	3	0	1	2	0	0	0	0
Everett	11	0	3	6	0	0	0	2
Lynnwood	2	0	0	0	0	0	1	1
Mountlake Terrace	0	0	0	0	0	0	0	0
Spokane	37	4	10	10	0	3	7	3
Spokane (City)	26	3	6	8	0	2	5	2
Stevens	5	0	0	1	0	0	2	2
Thurston	9	0	4	2	0	0	2	1
Lacey	0	0	0	0	0	0	0	0
Olympia	3	0	1	1	0	0	1	0
Wahkiakum	0	0	0	0	0	0	0	0
Walla Walla	3	1	1	1	0	0	0	0
Walla Walla (City)	1	0	0	1	0	0	0	0
Whatcom	11	0	3	3	1	0	3	1
Bellingham	4	0	2	2	0	0	0	0
Whitman	2	1	0	1	0	0	0	0
Pullman	2	1	0	1	0	0	0	0
Yakima	41	2	13	11	1	0	9	5
Yakima (City)	22	1	10	4	0	0	5	2

NOTE: Source for cause of death codes is International Classification of Diseases (Ninth Revision).

Birth Injuries (ICD 763, 767-769)

Other Conditions of Perinatal Period (ICD 760-762, 764-766, 770-779)

Congenital Malformations (ICD 740-759)

Pneumonia and Influenza (ICD 480-487)

All Accidents (ICD E800-E949)

Sudden Infant Death (ICD 798.0)

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Table 42. Infant Deaths by Mother's Race¹ by Place of Residence², 1992

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Unk	Hispanic ³
State Total	536	415	35	23	1	1	4	11	46	40
Adams	3	2	0	0	0	0	0	0	1	2
Asotin	0	0	0	0	0	0	0	0	0	0
Benton	10	7	2	1	0	0	0	0	0	1
Kennewick	7	4	2	1	0	0	0	0	0	1
Richland	1	1	0	0	0	0	0	0	0	0
Chelan	6	5	0	0	0	0	0	0	1	0
Wenatchee	3	2	0	0	0	0	0	0	1	0
Clallam	9	8	0	1	0	0	0	0	0	0
Port Angeles	3	3	0	0	0	0	0	0	0	0
Clark	32	29	0	0	0	0	1	0	2	1
Vancouver	10	8	0	0	0	0	1	0	1	1
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	12	9	1	0	0	0	0	1	1	1
Longview	5	4	1	0	0	0	0	0	0	1
Douglas	2	2	0	0	0	0	0	0	0	1
Ferry	1	1	0	0	0	0	0	0	0	0
Franklin	10	7	1	0	0	0	0	0	2	2
Pasco	7	4	1	0	0	0	0	0	2	1
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	8	8	0	0	0	0	0	0	0	1
Grays Harbor	3	3	0	0	0	0	0	0	0	0
Aberdeen	1	1	0	0	0	0	0	0	0	0
Island	9	8	0	0	0	0	0	0	1	0
Oak Harbor	3	2	0	0	0	0	0	0	1	0
Jefferson	4	3	0	1	0	0	0	0	0	0
King	138	98	15	3	1	1	1	5	14	2
Auburn	7	7	0	0	0	0	0	0	0	0
Bellevue	8	6	0	0	0	0	0	1	1	1
Des Moines	2	2	0	0	0	0	0	0	0	0
Federal Way	9	7	2	0	0	0	0	0	0	0
Kent	7	1	3	0	0	0	0	1	2	0
Kirkland	1	0	0	0	0	0	0	0	1	0
Mercer Island	0	0	0	0	0	0	0	0	0	0
Redmond	3	3	0	0	0	0	0	0	0	0
Renton	9	8	0	0	0	0	0	0	1	0
Sea Tac	0	0	0	0	0	0	0	0	0	0
Seattle	43	24	10	1	0	1	1	2	4	1
Kitsap	25	23	0	0	0	0	0	0	2	1
Bremerton	6	6	0	0	0	0	0	0	0	0
Bainbridge Island	0	0	0	0	0	0	0	0	0	0
Kittitas	2	2	0	0	0	0	0	0	0	0
Klickitat	4	1	1	1	0	0	0	0	1	0

Table 42. Infant Deaths by Mother's Race¹ by Place of Residence², 1992

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Unk	Hispanic ³
Lewis	10	10	0	0	0	0	0	0	0	2
Lincoln	0	0	0	0	0	0	0	0	0	0
Mason	3	3	0	0	0	0	0	0	0	0
Okanogan	5	4	0	1	0	0	0	0	0	1
Pacific	3	3	0	0	0	0	0	0	0	0
Pend Oreille	0	0	0	0	0	0	0	0	0	0
Pierce	80	51	13	3	0	0	1	5	7	3
Puyallup	1	0	0	0	0	0	0	0	1	0
Tacoma	29	17	4	3	0	0	1	3	1	2
San Juan	2	2	0	0	0	0	0	0	0	1
Skagit	8	6	0	1	0	0	0	0	1	0
Mount Vernon	0	0	0	0	0	0	0	0	0	0
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	39	30	1	0	0	0	0	0	8	3
Edmonds	3	1	0	0	0	0	0	0	2	0
Everett	11	9	0	0	0	0	0	0	2	2
Lynnwood	2	2	0	0	0	0	0	0	0	0
Mountlake Terrace	0	0	0	0	0	0	0	0	0	0
Spokane	37	31	0	3	0	0	1	0	2	0
Spokane (City)	26	22	0	2	0	0	1	0	1	0
Stevens	5	5	0	0	0	0	0	0	0	1
Thurston	9	9	0	0	0	0	0	0	0	0
Lacey	0	0	0	0	0	0	0	0	0	0
Olympia	3	3	0	0	0	0	0	0	0	0
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	3	3	0	0	0	0	0	0	0	1
Walla Walla (City)	1	1	0	0	0	0	0	0	0	0
Whatcom	11	9	1	1	0	0	0	0	0	0
Bellingham	4	3	1	0	0	0	0	0	0	0
Whitman	2	1	0	0	0	0	0	0	1	0
Pullman	2	1	0	0	0	0	0	0	1	0
Yakima	41	32	0	7	0	0	0	0	2	16
Yakima (City)	22	19	0	2	0	0	0	0	1	6

¹Infant deaths are matched with births to find mother's race.

²Residence is the infant's at the time of death.

³Hispanic Origin is considered an ethnicity rather than a race. Deaths to infants of Hispanic Origin are also counted under the race of the mother. See Appendix A, "Hispanic Origin."

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Table 43. Infant Deaths by Child's Race¹ by Place of Residence², 1992

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Unk	Hispanic ³
State Total	536	405	43	23	1	1	4	14	45	50
Adams	3	2	0	0	0	0	0	0	1	2
Asotin	0	0	0	0	0	0	0	0	0	0
Benton	10	7	2	1	0	0	0	0	0	1
Kennewick	7	4	2	1	0	0	0	0	0	1
Richland	1	1	0	0	0	0	0	0	0	0
Chelan	6	6	0	0	0	0	0	0	0	1
Wenatchee	3	3	0	0	0	0	0	0	0	1
Clallam	9	7	0	2	0	0	0	0	0	0
Port Angeles	3	3	0	0	0	0	0	0	0	0
Clark	32	29	0	0	0	0	1	0	2	1
Vancouver	10	8	0	0	0	0	1	0	1	1
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	12	9	1	0	0	0	0	1	1	2
Longview	5	4	1	0	0	0	0	0	0	1
Douglas	2	2	0	0	0	0	0	0	0	1
Ferry	1	1	0	0	0	0	0	0	0	0
Franklin	10	7	1	0	0	0	0	0	2	2
Pasco	7	4	1	0	0	0	0	0	2	1
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	8	8	0	0	0	0	0	0	0	1
Grays Harbor	3	3	0	0	0	0	0	0	0	0
Aberdeen	1	1	0	0	0	0	0	0	0	0
Island	9	8	0	0	0	0	0	0	1	1
Oak Harbor	3	2	0	0	0	0	0	0	1	1
Jefferson	4	3	0	1	0	0	0	0	0	0
King	138	98	15	3	1	1	1	6	13	4
Auburn	7	7	0	0	0	0	0	0	0	0
Bellevue	8	7	0	0	0	0	0	1	0	2
Des Moines	2	2	0	0	0	0	0	0	0	0
Federal Way	9	7	2	0	0	0	0	0	0	0
Kent	7	1	3	0	0	0	0	1	2	0
Kirkland	1	0	0	0	0	0	0	0	1	0
Mercer Island	0	0	0	0	0	0	0	0	0	0
Redmond	3	3	0	0	0	0	0	0	0	0
Renton	9	8	0	0	0	0	0	0	1	0
Sea Tac	0	0	0	0	0	0	0	0	0	0
Seattle	43	24	10	1	0	1	1	2	4	2
Kitsap	25	23	0	0	0	0	0	0	2	1
Bremerton	6	6	0	0	0	0	0	0	0	0
Bainbridge Island	0	0	0	0	0	0	0	0	0	0
Kittitas	2	2	0	0	0	0	0	0	0	0
Klickitat	4	1	1	1	0	0	0	0	1	0

Table 43. Infant Deaths by Child's Race¹ by Place of Residence², 1992

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Unk	Hispanic ³
Lewis	10	10	0	0	0	0	0	0	0	2
Lincoln	0	0	0	0	0	0	0	0	0	0
Mason	3	3	0	0	0	0	0	0	0	0
Okanogan	5	4	0	1	0	0	0	0	0	1
Pacific	3	2	0	1	0	0	0	0	0	0
Pend Oreille	0	0	0	0	0	0	0	0	0	0
Pierce	80	49	18	1	0	0	0	4	8	5
Puyallup	1	0	0	0	0	0	0	0	1	0
Tacoma	29	16	8	1	0	0	0	2	2	4
San Juan	2	2	0	0	0	0	0	0	0	1
Skagit	8	6	0	1	0	0	0	0	1	0
Mount Vernon	0	0	0	0	0	0	0	0	0	0
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	39	29	1	1	0	0	0	0	8	4
Edmonds	3	1	0	0	0	0	0	0	2	0
Everett	11	8	0	1	0	0	0	0	2	2
Lynnwood	2	2	0	0	0	0	0	0	0	1
Mountlake Terrace	0	0	0	0	0	0	0	0	0	0
Spokane	37	30	0	2	0	0	2	1	2	0
Spokane (City)	26	22	0	1	0	0	1	1	1	0
Stevens	5	5	0	0	0	0	0	0	0	1
Thurston	9	8	0	0	0	0	0	1	0	0
Lacey	0	0	0	0	0	0	0	0	0	0
Olympia	3	3	0	0	0	0	0	0	0	0
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	3	2	0	0	0	0	0	0	1	1
Walla Walla (City)	1	1	0	0	0	0	0	0	0	0
Whatcom	11	9	1	1	0	0	0	0	0	1
Bellingham	4	3	1	0	0	0	0	0	0	0
Whitman	2	1	0	0	0	0	0	0	1	0
Pullman	2	1	0	0	0	0	0	0	1	0
Yakima	41	29	3	7	0	0	0	1	1	17
Yakima (City)	22	17	2	2	0	0	0	1	0	7

¹Infant deaths are matched with births to find infant's race at birth. Tables for 1987-1992 use child's race at birth. Tables prior to 1987 use child's race at death.

²Residence is the infant's at the time of death.

³Hispanic Origin is considered an ethnicity rather than a race. Deaths to infants of Hispanic Origin are also counted under the race of the child. See Appendix A, "Hispanic Origin."

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Table 44. Infant Deaths by Mother's Age Group¹ by Place of Residence², 1992

County and City	All Ages	Under							45 and Over	Age Unknown
		15	15-19	20-24	25-29	30-34	35-39	40-44		
State Total	536	4	100	146	122	99	34	8	0	23
Adams	0	0	0	0	0	0	0	0	0	0
Asotin	0	0	0	0	0	0	0	0	0	0
Benton	7	0	2	1	2	2	0	0	0	0
Kennewick	6	0	1	1	2	2	0	0	0	0
Richland	0	0	0	0	0	0	0	0	0	0
Chelan	5	0	1	3	1	0	0	0	0	0
Wenatchee	4	0	1	2	1	0	0	0	0	0
Clallam	6	0	2	3	1	0	0	0	0	0
Port Angeles	4	0	2	2	0	0	0	0	0	0
Clark	13	0	4	4	1	4	0	0	0	0
Vancouver	12	0	4	3	1	4	0	0	0	0
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	11	0	5	3	2	0	0	0	0	1
Longview	11	0	5	3	2	0	0	0	0	1
Douglas	1	0	0	0	0	0	1	0	0	0
Ferry	0	0	0	0	0	0	0	0	0	0
Franklin	1	0	1	0	0	0	0	0	0	0
Pasco	1	0	1	0	0	0	0	0	0	0
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	6	1	3	1	1	0	0	0	0	0
Grays Harbor	4	0	2	0	2	0	0	0	0	0
Aberdeen	4	0	2	0	2	0	0	0	0	0
Island	7	0	3	1	1	1	0	0	0	1
Oak Harbor	2	0	1	0	0	0	0	0	0	1
Jefferson	1	0	1	0	0	0	0	0	0	0
King	195	0	20	51	50	41	20	5	0	8
Auburn	5	0	2	0	2	1	0	0	0	0
Bellevue	5	0	0	1	1	3	0	0	0	0
Des Moines	1	0	1	0	0	0	0	0	0	0
Federal Way	4	0	0	0	3	0	1	0	0	0
Kent	6	0	1	1	0	0	1	0	0	3
Kirkland	3	0	0	0	1	1	1	0	0	0
Mercer Island	0	0	0	0	0	0	0	0	0	0
Redmond	2	0	0	0	2	0	0	0	0	0
Renton	10	0	0	1	5	3	0	0	0	1
Sea Tac	0	0	0	0	0	0	0	0	0	0
Seattle	149	0	16	45	34	32	14	5	0	3
Kitsap	12	0	2	4	4	0	1	1	0	0
Bremerton	4	0	2	0	2	0	0	0	0	0
Bainbridge Island	0	0	0	0	0	0	0	0	0	0
Kittitas	1	0	1	0	0	0	0	0	0	0
Klickitat	1	0	1	0	0	0	0	0	0	0

Table 44. Infant Deaths by Mother's Age Group¹ by Place of Residence², 1992

County and City	All Ages	Under							45 and Over	Age Unknown
		15	15-19	20-24	25-29	30-34	35-39	40-44		
Lewis	8	0	1	3	3	1	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0
Mason	1	0	0	0	0	0	0	0	0	1
Okanogan	4	1	1	1	0	1	0	0	0	0
Pacific	0	0	0	0	0	0	0	0	0	0
Pend Oreille	24	0	2	4	7	7	2	0	0	0
Pierce	94	0	17	31	15	23	3	1	0	2
Puyallup	7	0	1	3	1	1	0	0	0	4
Tacoma	76	0	13	23	12	21	3	1	0	1
San Juan	3	0	0	0	2	0	1	0	0	3
Skagit	7	0	4	2	1	0	0	0	0	0
Mount Vernon	3	0	2	0	1	0	0	0	0	0
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	20	0	3	2	9	4	1	0	0	0
Edmonds	0	0	0	0	0	0	0	0	0	1
Everett	9	0	3	0	5	1	0	0	0	0
Lynnwood	1	0	0	0	0	1	0	0	0	0
Mountlake Terrace	0	0	0	0	0	0	0	0	0	0
Spokane	54	0	15	14	12	5	4	0	0	0
Spokane (City)	54	0	15	14	12	5	4	0	0	4
Stevens	1	0	0	1	0	0	0	0	0	0
Thurston	3	0	1	1	0	1	0	0	0	0
Lacey	0	0	0	0	0	0	0	0	0	0
Olympia	2	0	0	1	0	1	0	0	0	0
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	0	0	0	0	0	0	0	0	0	0
Walla Walla (City)	0	0	0	0	0	0	0	0	0	0
Whatcom	8	0	0	3	0	5	0	0	0	0
Bellingham	7	0	0	3	0	4	0	0	0	0
Whitman	1	0	0	0	0	0	1	0	0	0
Pullman	1	0	0	0	0	0	1	0	0	0
Yakima	36	2	8	12	8	4	0	1	0	0
Yakima (City)	26	1	5	10	5	3	0	1	0	1

¹Infant deaths are matched with births to find mother's age.

²Residence is the infant's at the time of death.

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Table 45. Fetal Deaths, Perinatal, Neonatal and Infant Mortality by Place of Residence, 1992

County and City	Fetal Deaths		Perinatal Mortality ²		Neonatal Mortality		Infant Mortality	
	Number	Ratio ¹	Number	Rate ³	Number	Rate ⁴	Number	Rate ⁴
State Total	450	5.7	667	8.4	288	3.6	536	6.8
Adams	6	21.1	8	27.5	3	10.5	3	10.5
Asotin	1	3.5	1	3.5	0	0.0	0	0.0
Benton	10	5.2	16	8.2	6	3.1	10	5.2
Kennewick	5	6.1	9	10.9	4	4.9	7	8.5
Richland	1	2.2	2	4.5	1	2.2	1	2.2
Chelan	6	6.0	8	8.0	3	3.0	6	6.0
Wenatchee	2	4.0	2	4.0	1	2.0	3	6.0
Clallam	4	6.0	7	10.5	4	6.0	9	13.6
Port Angeles	4	17.3	5	21.3	1	4.3	3	13.0
Clark	7	1.7	18	4.5	19	4.7	32	8.0
Vancouver	1	0.9	5	4.3	7	6.0	10	8.5
Columbia	0	0.0	0	0.0	0	0.0	0	0.0
Cowlitz	3	2.4	7	5.6	5	4.0	12	9.7
Longview	1	1.9	3	5.8	3	5.8	5	9.7
Douglas	6	14.5	6	14.3	0	0.0	2	4.8
Ferry	1	11.5	2	22.7	1	11.5	1	11.5
Franklin	6	6.1	13	13.2	7	7.2	10	10.2
Pasco	3	4.6	7	10.7	4	6.1	7	10.7
Garfield	0	0.0	0	0.0	0	0.0	0	0.0
Grant	9	8.0	12	10.6	3	2.7	8	7.1
Grays Harbor	4	4.3	4	4.3	0	0.0	3	3.2
Aberdeen	0	0.0	0	0.0	0	0.0	1	3.6
Island	8	7.5	9	8.3	3	2.8	9	8.4
Oak Harbor	2	4.1	3	6.2	1	2.1	3	6.2
Jefferson	0	0.0	1	4.3	2	8.6	4	17.2
King	126	5.5	185	8.0	75	3.3	138	6.0
Auburn	6	8.9	8	11.7	3	4.4	7	10.3
Bellevue	8	7.4	13	11.9	5	4.6	8	7.4
Des Moines	1	5.6	2	11.0	1	5.6	2	11.1
Federal Way	7	5.7	11	8.8	6	4.8	9	7.3
Kent	9	7.8	12	10.3	4	3.4	7	6.0
Kirkland	2	2.6	3	3.9	1	1.3	1	1.3
Mercer Island	0	0.0	0	0.0	0	0.0	0	0.0
Redmond	4	6.7	5	8.3	1	1.7	3	5.0
Renton	6	7.5	9	11.1	4	5.0	9	11.2
Sea Tac	0	0.0	0	0.0	0	0.0	0	0.0
Seattle	43	6.3	64	9.3	27	3.9	43	6.3
Kitsap	22	6.2	31	8.7	13	3.7	25	7.0
Bremerton	8	7.3	10	9.0	3	2.7	6	5.5
Bainbridge Island	0	0.0	0	0.0	0	0.0	0	0.0
Kittitas	1	3.3	2	6.5	1	3.3	2	6.5
Klickitat	0	0.0	0	0.0	0	0.0	4	16.9

Table 45. Fetal Deaths, Perinatal, Neonatal and Infant Mortality by Place of Residence, 1992

County and City	Fetal Deaths		Perinatal Mortality ²		Neonatal Mortality		Infant Mortality	
	Number	Ratio ¹	Number	Rate ³	Number	Rate ⁴	Number	Rate ⁴
Lewis	7	8.4	12	14.3	6	7.2	10	12.0
Lincoln	0	0.0	0	0.0	0	0.0	0	0.0
Mason	5	9.9	6	11.8	3	5.9	3	5.9
Okanogan	1	1.9	2	3.8	4	7.5	5	9.4
Pacific	1	4.5	2	8.9	1	4.5	3	13.5
Pend Oreille	1	7.2	1	7.2	0	0.0	0	0.0
Pierce	64	6.2	91	8.8	43	4.2	80	7.8
Puyallup	3	6.7	3	6.7	0	0.0	1	2.2
Tacoma	32	9.5	42	12.3	17	5.0	29	8.6
San Juan	1	8.8	2	17.4	1	8.8	2	17.5
Skagit	7	5.2	10	7.4	3	2.2	8	5.9
Mount Vernon	4	10.0	4	9.9	0	0.0	0	0.0
Skamania	0	0.0	0	0.0	0	0.0	0	0.0
Snohomish	29	3.6	44	5.4	20	2.5	39	4.8
Edmonds	2	5.0	4	10.0	3	7.5	3	7.5
Everett	1	0.5	9	4.9	9	4.9	11	6.0
Lynnwood	3	4.3	3	4.3	0	0.0	2	2.9
Mountlake Terrace	1	3.4	1	3.4	0	0.0	0	0.0
Spokane	40	7.3	59	10.6	24	4.4	37	6.7
Spokane (City)	27	8.0	39	11.4	15	4.4	26	7.7
Stevens	5	11.3	6	13.5	1	2.3	5	11.3
Thurston	18	7.4	21	8.5	3	1.2	9	3.7
Lacey	2	7.3	2	7.2	0	0.0	0	0.0
Olympia	8	11.0	9	12.2	1	1.4	3	4.1
Wahkiakum	1	37.0	1	35.7	0	0.0	0	0.0
Walla Walla	8	11.0	10	13.6	2	2.8	3	4.1
Walla Walla (City)	6	12.8	6	12.6	0	0.0	1	2.1
Whatcom	14	7.7	18	9.8	5	2.7	11	6.0
Bellingham	7	10.2	10	14.5	3	4.4	4	5.8
Whitman	2	5.2	4	10.3	2	5.2	2	5.2
Pullman	2	10.2	4	20.2	2	10.2	2	10.2
Yakima	26	6.0	48	11.0	25	5.8	41	9.5
Yakima (City)	8	5.5	22	14.9	16	10.9	22	15.0

¹Ratio per 1,000 live births

²Fetal deaths plus liveborn infants dying at 6 days and under

³Rate per 1,000 live births plus fetal deaths

⁴Rate per 1,000 live births

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Table 46. Fetal Deaths, Perinatal, Neonatal and Infant Mortality by Place of Occurrence, 1992

County and City	Fetal Deaths		Perinatal Mortality ²		Neonatal Mortality		Infant Mortality	
	Number	Ratio ¹	Number	Rate ³	Number	Rate ⁴	Number	Rate ⁴
State Total	466	6.0	686	8.7	287	3.7	529	6.8
Adams	6	14.6	6	14.4	0	0.0	0	0.0
Asotin	0	0.0	0	0.0	0	0.0	0	0.0
Benton	15	5.7	17	6.5	2	0.8	7	2.7
Kennewick	4	3.8	5	4.8	1	1.0	6	5.7
Richland	7	6.1	7	6.1	0	0.0	0	0.0
Chelan	11	7.8	12	8.4	2	1.4	5	3.5
Wenatchee	11	8.5	11	8.4	1	0.8	4	3.1
Clallam	4	6.1	5	7.6	1	1.5	6	9.1
Port Angeles	4	7.0	4	7.0	0	0.0	4	7.0
Clark	7	2.8	10	3.9	5	2.0	13	5.1
Vancouver	7	2.8	10	4.0	5	2.0	12	4.8
Columbia	0	0.0	0	0.0	0	0.0	0	0.0
Cowlitz	6	4.4	10	7.2	4	2.9	11	8.0
Longview	6	4.4	10	7.3	4	2.9	11	8.0
Douglas	0	0.0	0	0.0	0	0.0	0	0.0
Ferry	0	0.0	0	0.0	0	0.0	0	0.0
Franklin	3	5.1	3	5.1	0	0.0	1	1.7
Pasco	3	5.2	3	5.1	0	0.0	1	1.7
Garfield	0	0.0	0	0.0	0	0.0	0	0.0
Grant	4	5.0	6	7.5	2	2.5	6	7.5
Grays Harbor	4	6.3	5	7.8	1	1.6	4	6.3
Aberdeen	4	6.4	5	8.0	1	1.6	4	6.4
Island	3	3.6	4	4.8	1	1.2	7	8.4
Oak Harbor	0	0.0	1	1.9	1	1.9	2	3.7
Jefferson	0	0.0	0	0.0	0	0.0	1	6.7
King	153	5.8	244	9.2	120	4.5	201	7.6
Auburn	6	6.9	6	6.8	0	0.0	5	5.7
Bellevue	16	6.2	20	7.7	4	1.5	5	1.9
Des Moines	0	0.0	0	0.0	0	0.0	1	333.3
Federal Way	6	3.6	8	4.8	2	1.2	4	2.4
Kent	0	0.0	0	0.0	0	0.0	6	136.4
Kirkland	7	2.9	10	4.1	3	1.2	3	1.2
Mercer Island	0	0.0	0	0.0	0	0.0	0	0.0
Redmond	8	6.7	9	7.5	1	0.8	2	1.7
Renton	15	4.7	21	6.6	6	1.9	10	3.2
Sea Tac	0	0.0	0	0.0	0	0.0	0	0.0
Seattle	92	6.5	167	11.8	103	7.3	155	11.0
Kitsap	20	6.7	21	6.9	3	1.0	11	3.7
Bremerton	17	6.3	17	6.2	1	0.4	4	1.5
Bainbridge Island	0	0.0	0	0.0	0	0.0	0	0.0
Kittitas	1	3.9	1	3.9	0	0.0	1	3.9
Klickitat	0	0.0	0	0.0	0	0.0	1	4.5

Table 46. Fetal Deaths, Perinatal, Neonatal and Infant Mortality by Place of Occurrence, 1992

County and City	Fetal Deaths		Perinatal Mortality ²		Neonatal Mortality		Infant Mortality	
	Number	Ratio ¹	Number	Rate ³	Number	Rate ⁴	Number	Rate ⁴
Lewis	6	8.3	10	13.8	5	6.9	8	11.1
Lincoln	0	0.0	0	0.0	0	0.0	0	0.0
Mason	3	16.9	3	16.7	1	5.6	1	5.6
Okanogan	2	3.6	3	5.3	2	3.6	3	5.4
Pacific	0	0.0	0	0.0	0	0.0	0	0.0
Pend Oreille	1	21.7	1	21.3	0	0.0	0	0.0
Pierce	72	6.8	107	10.0	52	4.9	93	8.7
Puyallup	6	4.3	11	7.9	5	3.6	7	5.0
Tacoma	59	7.0	87	10.2	44	5.2	76	9.0
San Juan	0	0.0	1	100.0	1	100.0	2	200.0
Skagit	9	5.7	11	6.9	2	1.3	7	4.4
Mount Vernon	5	4.8	6	5.7	1	1.0	3	2.9
Skamania	0	0.0	0	0.0	0	0.0	0	0.0
Snohomish	19	3.3	24	4.1	7	1.2	20	3.5
Edmonds	8	4.8	8	4.7	0	0.0	0	0.0
Everett	8	2.4	13	3.9	6	1.8	9	2.7
Lynnwood	0	0.0	0	0.0	0	0.0	1	18.5
Mountlake Terrace	0	0.0	0	0.0	0	0.0	0	0.0
Spokane	53	8.5	95	15.1	51	8.2	70	11.2
Spokane (City)	51	8.4	93	15.2	51	8.4	70	11.5
Stevens	2	6.2	2	6.2	0	0.0	1	3.1
Thurston	17	6.4	17	6.4	0	0.0	3	1.1
Lacey	0	0.0	0	0.0	0	0.0	0	0.0
Olympia	17	6.5	17	6.4	0	0.0	2	0.8
Wahkiakum	0	0.0	0	0.0	0	0.0	0	0.0
Walla Walla	8	8.5	8	8.4	0	0.0	0	0.0
Walla Walla (City)	8	8.5	8	8.4	0	0.0	0	0.0
Whatcom	12	6.7	15	8.3	3	1.7	8	4.5
Bellingham	12	6.8	15	8.4	3	1.7	7	4.0
Whitman	1	2.9	2	5.8	1	2.9	1	2.9
Pullman	1	3.3	2	6.5	1	3.3	1	3.3
Yakima	24	5.8	43	10.4	21	5.1	37	9.0
Yakima (City)	14	4.7	33	11.1	20	6.8	27	9.1

¹Ratio per 1,000 live births

²Fetal deaths plus liveborn infants dying at 6 days and under

³Rate per 1,000 live births plus fetal deaths

⁴Rate per 1,000 live births

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Table 47. Fetal Deaths by Mother's Age Group by Place of Residence¹, 1992

County	All Ages	Under								45 and Over	Unknown
		15	15-17	18-19	20-24	25-29	30-34	35-39	40-44		
State Total	450	4	26	46	102	94	86	57	23	0	12
Adams	6	0	0	2	0	2	2	0	0	0	0
Asotin	1	0	0	0	0	1	0	0	0	0	0
Benton	10	1	0	3	1	1	1	3	0	0	0
Chelan	6	0	0	3	1	0	0	1	0	0	1
Clallam	4	0	1	0	0	2	0	0	1	0	0
Clark	7	0	1	1	3	1	1	0	0	0	0
Columbia	0	0	0	0	0	0	0	0	0	0	0
Cowlitz	3	0	0	1	1	1	0	0	0	0	0
Douglas	6	0	1	3	1	1	0	0	0	0	0
Ferry	1	0	0	0	0	0	1	0	0	0	0
Franklin	6	0	1	0	3	1	0	0	0	0	1
Garfield	0	0	0	0	0	0	0	0	0	0	0
Grant	9	0	0	1	4	0	1	2	1	0	0
Grays Harbor	4	1	0	2	1	0	0	0	0	0	0
Island	8	0	1	0	4	0	1	1	0	0	1
Jefferson	0	0	0	0	0	0	0	0	0	0	0
King	126	0	3	8	25	28	26	16	12	0	8
Kitsap	22	0	2	1	5	6	3	5	0	0	0
Kittitas	1	0	1	0	0	0	0	0	0	0	0
Klickitat	0	0	0	0	0	0	0	0	0	0	0
Lewis	7	0	2	1	2	0	0	1	1	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0	0
Mason	5	0	0	1	0	0	2	2	0	0	0
Okanogan	1	0	0	0	0	0	0	1	0	0	0
Pacific	1	0	0	0	0	1	0	0	0	0	0
Pend Oreille	1	0	0	0	1	0	0	0	0	0	0
Pierce	64	0	4	7	19	12	13	6	3	0	0
San Juan	1	0	0	0	0	1	0	0	0	0	0
Skagit	7	1	2	1	0	0	0	3	0	0	0
Skamania	0	0	0	0	0	0	0	0	0	0	0
Snohomish	29	0	0	0	6	5	10	6	1	0	1
Spokane	40	0	3	3	10	11	10	2	1	0	0
Stevens	5	0	0	0	1	0	3	0	1	0	0
Thurston	18	0	2	1	3	6	4	2	0	0	0
Wahkiakum	1	0	0	0	1	0	0	0	0	0	0
Walla Walla	8	0	1	1	1	3	2	0	0	0	0
Whatcom	14	1	0	2	1	3	2	4	1	0	0
Whitman	2	0	0	0	2	0	0	0	0	0	0
Yakima	26	0	1	4	6	8	4	2	1	0	0

¹Infant's residence at the time of death

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Table 48. Fetal Mortality to Residents by Cause, 1992

Cause with International List Number	Number
Total All Causes	450
Congenital Anomalies (740-759)	52
Anencephalus (740)	7
Spina Bifida (741)	0
Other Anomalies of the Central Nervous System (742)	2
Anomalies of the Heart (745-746)	4
Other Anomalies of Circulatory System (747)	0
Anomalies of Respiratory System (748)	1
Anomalies of Digestive System (749-751)	0
Anomalies of the Genitourinary System (752-753)	3
Anomalies of Musculoskeletal System (754-756)	4
Chromosomal Anomalies (758)	13
Other and Unspecified Congenital Anomalies (743-744,757,759)	18
Certain Conditions Originating in the Perinatal Period (760-779)	395
Maternal Conditions which may be Unrelated to Pregnancy (760)	[4]
Chronic Hypertension (760.0)	3
Maternal Infections (760.2)	0
Maternal Injury (760.5)	1
Other Maternal Conditions (760.1,760.3-760.4,760.6-760.9)	0
Maternal Conditions Related to Pregnancy (761)	[43]
Incompetent Cervix (761.0)	9
Premature Rupture of Membranes (761.1)	25
Other Maternal Conditions (761.2-761.9)	9
Complications of Placenta, Cord, and Membranes (762)	[140]
Complications of Placenta (762.0-762.3)	58
Complications of Cord (762.4-762.6)	71
Complications of Membranes (762.7-762.9)	11
Complications of Labor (763)	4
Other Complications of Pregnancy and Childbirth (764-767)	37
Intrauterine Hypoxia (768)	9
Diseases of the Fetus and Ill-defined Causes (769-779)	[158]
Respiratory Conditions (769-770)	1
Infections Specific to the Perinatal Period (771)	2
Fetal Hemorrhage (772)	4
Haemolytic Disease and Other Perinatal Jaundice (773-774)	0
Endocrine and Metabolic Disturbances (775)	0
Haematological Disorders (776)	1
Disorders of Digestive System (777)	0
Conditions Involving the Integument and Temperature Regulation (778)	8
Other Conditions of Fetus (779)	142
All Other Causes (001-739,780-799)	3

Group totals are shown in bold.

Sub-group totals are shown in brackets.

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Table 49. Fetal Mortality to Residents by Weight in Grams by Sex, 1992

Weight in Grams	Total	Male	Female	Unknown
State Totals	450	246	202	2
1,000 grams or less	188	109	78	1
1,101 - 1,500	40	18	21	1
1,501 - 2,000	39	21	18	0
2,001 - 2,500	31	17	14	0
2,501 - 3,000	38	21	17	0
3,001 - 3,500	42	21	21	0
3,501 - 4,000	14	8	6	0
4,001 - 4,500	9	7	2	0
4,501 and over	7	3	4	0
Not Stated	42	21	21	0

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Natality 1993



Table 2. Births by Selected Topics, 1993

A. Residence, Mother's Race by Sex

Race	Total	Male	Female
Total	78,614	40,177	38,437
White	67,310	34,327	32,983
African American	3,062	1,591	1,471
Native American	1,651	837	814
Japanese	206	101	105
Chinese	291	159	132
Filipino	752	392	360
Other Asian	3,513	1,824	1,689
Other	18	7	11
Unknown	1,811	939	872
Hispanic ¹	7,693	3,891	3,802

B. Residence, Child's Race by Sex

Race	Total	Male	Female
Total	78,614	40,177	38,437
White	64,631	32,945	31,686
African American	4,062	2,089	1,973
Native American	1,872	958	914
Japanese	274	140	134
Chinese	323	164	159
Filipino	790	408	382
Other Asian	3,906	2,022	1,884
Other	22	9	13
Unknown	2,734	1,442	1,292
Hispanic ²	9,619	4,853	4,766

C. Residence, Mother's Age Group by Sex

Age	Total	Male	Female
Total	78,614	40,177	38,437
Under 15	168	84	84
15 - 17	3,042	1,537	1,505
18 - 19	5,526	2,819	2,707
20 - 24	19,995	10,207	9,788
25 - 29	22,258	11,358	10,900
30 - 34	18,291	9,386	8,905
35 - 39	7,816	4,007	3,809
40 - 44	1,407	718	689
45 and Over	62	35	27
Unknown	49	26	23

D. Residence, Order of Birth to Mother

Order at Birth	Number	Percent ³
Total	78,614	100%
1st Child	32,092	40.8
2nd Child	24,659	31.4
3rd Child	12,005	15.3
4th Child	4,824	6.1
5th Child	1,846	2.3
6th Child	798	1.0
7th Child	405	0.5
8th Child	182	0.2
9th Child	87	0.1
10th or more	99	0.1
Unknown	1,617	2.1

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E. Residence, Maternal Smoking

Maternal Smoking	Number	Percent ³
Total	78,614	100.0%
Yes	13,793	17.5
No	63,374	80.6
Unknown	1,447	1.8

¹Hispanic Origin is considered an ethnicity rather than a race. Births to mothers of Hispanic Origin are also counted under the race of the mother. See Appendix A, "Hispanic Origin."

²Births concerning children of Hispanic Origin are also counted under the race of the child. See Appendix A, "Hispanic Origin."

³Detail may not add to 100% due to rounding.

Table 2. Births by Selected Topics, 1993

F. Residence and Occurrence, Birth Weight in Grams by Sex

Gram Weight	Residence			Occurrence		
	Total	Male	Female	Total	Male	Female
State Total	78,614	40,177	38,437	77,181	39,384	37,797
1,000 and under	305	162	143	298	155	143
1,001 - 1,500	346	154	192	333	149	184
1,501 - 2,000	850	447	403	814	424	390
2,001 - 2,500	2,601	1,177	1,424	2,553	1,150	1,403
2,501 - 3,000	10,393	4,588	5,805	10,215	4,502	5,713
3,001 - 3,500	27,597	13,010	14,587	27,116	12,793	14,323
3,501 - 4,000	25,726	13,922	11,804	25,241	13,629	11,612
4,001 - 4,500	8,900	5,417	3,483	8,742	5,305	3,437
4,501 and over	1,797	1,243	554	1,771	1,221	550
Not Stated	99	57	42	98	56	42

G. Residence and Occurrence, Live Births and Fetal Deaths by Month

Month	Live Births		Fetal Deaths	
	Residence	Occurrence	Residence	Occurrence
Total	78,614	77,181	395	411
January	6,217	6,102	43	46
February	5,974	5,860	18	19
March	6,826	6,719	30	32
April	6,728	6,600	39	41
May	6,814	6,703	24	25
June	6,918	6,795	38	38
July	7,034	6,907	27	28
August	6,764	6,633	37	38
September	6,567	6,462	29	32
October	6,366	6,249	31	32
November	6,005	5,878	36	36
December	6,401	6,273	43	44

Table 2. Births by Selected Topics, 1993

H. Occurrence, Primary Method of Birth Delivery by Obstetric Procedures

Method of Delivery	Total	None	Electronic		Stimulation		Toco-lysis	Ultra-sound	Other	Unk
			Amnio-centesis	Fetal Monitoring	Induction of Labor	of Labor				
Total	77,181	1,166	3,388	53,619	13,524	11,675	2,701	47,328	3,333	85
Vaginal Delivery	60,460	370	2,101	42,214	10,641	9,418	1,957	36,024	2,430	84
Vaginal Del. After Prev. C-Section	2,400	3	146	1,939	594	486	84	1,766	115	0
Primary C-Section	8,467	16	636	6,317	1,847	1,511	476	5,940	597	1
Repeat C-Section w/o Trial Labor	1,673	2	123	1,276	366	217	94	1,208	102	0
Repeat C-Section With Trial Labor	3,228	8	372	1,763	53	15	85	2,283	87	0
Outlet Forceps	12	0	4	11	1	5	1	10	0	0
Vacuum Extraction	2	0	0	2	1	2	0	2	0	0
Unknown	939	767	6	97	21	21	4	95	2	0

I. Occurrence, Type of Place

Type of Place	Number	Percent ¹
Total	77,181	100%
General Hospital	71,966	93.2
Federal Facility	3,824	5.0
Home	1,017	1.3
Birth Center	190	0.2
Clinic/Doctor's Office	116	0.2
Born on Arrival	61	0.1
Unknown	7	0.1

J. Residence, Attendant at Birth

Attendant at Birth	Number	Percent ¹
Total	78,614	100%
MD	69,708	88.6
Certified Midwife	4,998	6.3
Osteopath	1,753	2.2
Licensed Midwife	902	1.1
Nurse	316	0.4
Other Midwife	103	0.1
Hospital Administrator	80	0.1
Father	67	0.1
Other	609	0.7
Unknown	78	0.1

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¹Detail may not add to 100% due to rounding.

Table 3. Live Births to Residents by Birth Weight in Grams by Mother's Race, 1993

Birth Weight in Grams	Total	African		Native		Other					Unk	Hispanic ¹
		White	American	American	Japanese	Chinese	Filipino	Asian	Other			
State Total	78,614	67,310	3,062	1,651	206	291	752	3,513	18	1,811		7,693²
1,000 and under	305	242	41	4	0	0	2	6	0	10		24
1,101 - 1,500	346	280	36	11	0	0	4	9	0	6		36
1,501 - 2,000	850	681	82	11	1	0	9	41	0	25		73
2,001 - 2,500	2,601	2,113	184	48	7	5	23	146	3	72		256
2,501 - 3,000	10,393	8,409	629	214	43	53	147	670	1	227		1,102
3,001 - 3,500	27,597	23,185	1,165	576	87	122	315	1,493	8	646		3,061
3,501 - 4,000	25,726	22,653	696	541	57	86	198	877	4	614		2,359
4,001 - 4,500	8,900	8,020	191	201	11	24	48	228	2	175		638
4,501 and over	1,797	1,652	29	44	0	1	6	37	0	28		132
Not Stated	99	75	9	1	0	0	0	6	0	8		12

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Table 4. Live Births to Residents by Birth Weight in Grams by Child's Race, 1993

Birth Weight in Grams	Total	African		Native		Other					Unk	Hispanic ¹
		White	American	American	Japanese	Chinese	Filipino	Asian	Other			
State Total	78,614	64,631	4,062	1,872	274	323	790	3,908	22	2,734		9,619³
1,000 and under	305	232	32	5	0	1	2	7	0	26		27
1,101 - 1,500	346	267	39	11	0	1	2	9	0	17		46
1,501 - 2,000	850	661	82	9	3	2	8	41	0	44		94
2,001 - 2,500	2,601	2,020	212	46	11	5	21	158	2	126		323
2,501 - 3,000	10,393	8,047	712	237	56	64	153	695	2	427		1,355
3,001 - 3,500	27,597	22,207	1,499	657	109	136	331	1,633	11	1,014		3,747
3,501 - 4,000	25,726	21,807	1,107	606	74	89	219	1,021	5	798		3,000
4,001 - 4,500	8,900	7,723	310	248	18	23	49	289	2	238		837
4,501 and over	1,797	1,595	58	51	3	2	5	49	0	34		177
Not Stated	99	72	11	2	0	0	0	4	0	10		13

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Table 5. Live Births to Residents by Birth Weight in Grams by Mother's Age, 1993

Birth Weight in Grams	Total	Age									Age Unknown
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	
State Total	78,614	168	3,042	5,526	19,995	22,258	18,291	7,816	1,407	62	49
1,000 and under	305	2	17	29	63	84	75	27	5	0	3
1,101 - 1,500	346	5	21	31	88	87	71	36	7	0	0
1,501 - 2,000	850	3	42	75	211	208	185	102	20	2	2
2,001 - 2,500	2,601	7	146	217	659	652	590	271	54	2	3
2,501 - 3,000	10,393	41	545	893	2,798	2,752	2,202	944	197	14	7
3,001 - 3,500	27,597	66	1,179	2,112	7,476	7,628	6,161	2,517	426	18	14
3,501 - 4,000	25,726	38	847	1,627	6,266	7,650	6,132	2,669	464	21	12
4,001 - 4,500	8,900	6	213	448	2,034	2,649	2,353	998	188	5	6
4,501 and over	1,797	0	27	83	374	524	503	241	44	0	1
Not Stated	99	0	5	11	26	24	19	11	2	0	1

¹Hispanic Origin is considered an ethnicity rather than a race.

²Births to mothers of Hispanic Origin are also counted under the race of the mother. See Appendix A, "Hispanic Origin."

³Births concerning children of Hispanic Origin are also counted under the race of the child. See Appendix A, "Hispanic Origin."

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Table 6. Live Births to Residents by Month Prenatal Care Began by Mother's Age, 1993

Month Care Began	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 & Over	Unk.
State Total	78,614	168	3,042	5,526	19,995	22,258	18,291	7,816	1,407	62	49
First	14,248	8	247	534	2,818	4,551	4,075	1,711	292	7	5
Second	29,317	29	789	1,636	6,994	8,777	7,395	3,143	513	23	18
Third	16,946	40	750	1,342	4,660	4,682	3,615	1,546	290	10	11
Fourth	6,467	23	414	731	2,030	1,571	1,123	478	86	8	3
Fifth	3,349	19	299	478	1,067	728	489	201	62	4	2
Sixth	1,867	15	171	227	636	387	263	124	42	2	0
Seventh	1,192	10	106	163	379	264	175	75	19	1	0
Eighth	737	8	57	98	233	157	111	50	20	3	0
Ninth +	322	3	23	35	124	58	55	19	5	0	0
No Care	509	5	41	61	165	114	74	42	6	0	1
Unknown	3,660	8	145	221	889	969	916	427	72	4	9

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Table 7. Live Births to Residents by Number of Prenatal Visits by Month Care Began, 1993

Number of Prenatal Visits	Total	1 - 3	4 - 6	7 - 9+	No Care	Unknown
Total	78,614	60,511	11,683	2,251	509	3,660
9 or More	60,380	53,036	6,648	312	0	384
5 - 8	10,041	5,010	4,014	918	0	99
1 - 4	2,228	443	739	981	0	65
No Visits	509	0	0	0	509	0
Unknown	5,456	2,022	282	40	0	3,112

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Table 8. Live Births, County of Residence by County of Occurrence, 1993

County of Residence ²	County of Occurrence ¹														
	King	Pierce	Spokane	Snohomish	Yakima	Benton	Thurston	Clark	Kitsap	Whatcom	Skagit	Cowlitz	Chelan	Walla Walla	Grant
King	21,408	623	2	225	5		8	3	3	5	2	3	1		1
Pierce	1,033	9,069	2	5			52		15	2	1	1			
Snohomish	2,537	8	1	3,355	2					5	99	1			1
Spokane	5	3	5,715		2	3									
Yakima	21	5	4	2	3,942	376		1			2			2	1
Clark	3	1						2,505				26			
Kitsap	282	361	1	14			1	1	2,417				1		
Thurston	30	388		1			1,939		1			2		1	
Benton	4	1	6		48	1,730							1	2	2
Whatcom	46	1		7						1,894	25				
Skagit	31	3		30					1	25	1,153	1		1	
Cowlitz	2	5	1	1			4	26				1,097			
Grant	7		64		21	13			1				92		781
Island	50	18		84					1	2	125				
Franklin	1	1	2			462				1				1	1
Chelan	19		2	2					1				903		1
Grays Harbor	26	16		2			228								
Lewis	5	31			2		184	1				48			
Walla Walla	1		6		2	21								653	
Clallam	24	1	1						3		1				
Okanogan	3		40			1	1		1				12		1
Mason	4	51					182		104						
Whitman	1		63		1										
Douglas	9	1	3		1								361		2
Stevens			148												
Adams	2		34			16									
Kittitas	17			1	33									1	52
Asotin			7					1							1
Pacific	2	5		1			5	1				7			
Jefferson	20	4		1			2		27						
Klickitat		1			10			2							
Pend Oreille	1		71												
Lincoln			85					1							3
San Juan	4			3			1			3	87				
Skamania								9				1			
Ferry		1	20												
Columbia			2			2								40	
Wahkiakum												26			
Garfield														2	
Out of State Occurrence	103	33	212	7	3	40	4	40	7	7	3	173	4	224	1
Total Cumulative	25,701	10,631	6,492	5,741	4,072	2,664	2,611	2,591	2,582	1,944	1,497	1,387	1,375	927	848
Percent ³	32.3	45.7	53.8	61.0	66.2	69.5	72.8	76.1	79.3	81.7	83.6	85.4	87.1	88.3	89.3

¹Counties in columns are ranked based on total births by place of occurrence. The following counties are not shown since the number of births occurring there was less than five: Asotin (2), Douglas (2), Skamania (2), Columbia (1), Garfield (1), Wahkiakum (0).

²Counties in rows are ranked based on total births by mother's residence.

³32.3 percent of all births statewide occurred in King County alone, 45.7 percent occurred in King and Pierce counties, and so forth.

Table 8. Live Births, County of Residence by County of Occurrence, 1993

	County of Occurrence ¹																	Out-of-State	Residence Total		
	Island	Clallam	Franklin	Lewis	Okanogan	Grays Harbor	Adams	Whitman	Stevens	Kittitas	Klickitat	Mason	Jefferson	Pacific	Pend Oreille	Lincoln	Ferry			San Juan	
	1	1			1	1													37	22,330	
		1		1	1	1				1				1					17	10,203	
6						1			2										7	8,025	
			1					1	5						1				31	5,767	
							2			3	1								7	4,369	
				2							3									1,607	4,147
1	2										1	4							12	3,098	
	1		62		3				1		3			1					8	2,441	
		170								1										14	1,979
2																				2	1,977
22					1																1,268
1			10																	62	1,209
		3	1	7		168				5								1		6	1,170
743																				4	1,027
		467				41				1								1		2	981
		1		8																2	939
	1		21		515	2					3		46							1	861
		347		2									2							7	829
		19																		3	705
	651		1									3								1	686
				526																	585
			1		1						152									2	497
						1	343													34	443
				59																2	440
								255										1		1	405
		4				229	1		1											1	340
						1			248	1										1	303
							7													236	253
			2		26								81							108	238
1	36				5						1	138								1	236
										143										79	235
								17						36						7	132
				1			1								30					1	122
																			5		103
										34										49	95
		2		9				35											11		76
																					47
																				6	32
							1													17	21
	3	10	7	1	2		33	1	2	12	1	1	1	6							941
777	696	677	655	614	557	444	387	315	262	195	161	146	132	43	33	11	5			2,374	79,555
90.3	91.2	92.0	92.9	93.6	94.3	94.9	95.4	95.8	96.1	96.3	96.5	96.7	96.9	96.9	97.0	97.0	97.0			100.0	

Note: Cells in table are shaded when county of residence and county of occurrence are the same.

S02500A-HDE

Table 9. Live Births by Place of Residence by Sex and by Place of Occurrence, 1993

County and City	Residence				Occurrence	
	Number	Rate ¹	Male	Female	Number	Rate ¹
State Total	78,614	15.0	40,177	38,437	77,181	14.7
Adams	340	23.8	173	167	444	31.0
Asotin	253	13.8	145	108	2	0.1
Benton	1,979	16.1	1,009	970	2,664	21.7
Kennewick	848	18.8	438	410	1,046	23.2
Richland	472	13.8	236	236	1,116	32.7
Chelan	939	16.8	472	467	1,375	24.6
Wenatchee	461	20.0	219	242	1,278	55.6
Clallam	686	11.2	355	331	696	11.3
Port Angeles	241	13.2	123	118	622	34.0
Clark	4,147	15.4	2,170	1,977	2,591	9.6
Vancouver	1,216	21.9	634	582	2,555	46.1
Columbia	47	11.5	24	23	1	0.2
Cowlitz	1,209	14.0	635	574	1,387	16.1
Longview	519	15.9	273	246	1,381	42.3
Douglas	440	15.4	194	246	2	0.1
Ferry	76	11.0	39	37	11	1.6
Franklin	981	23.9	529	452	677	16.5
Pasco	629	29.4	356	273	674	31.5
Garfield	21	9.1	9	12	1	0.4
Grant	1,170	19.4	619	551	848	14.1
Grays Harbor	861	12.9	421	440	557	8.4
Aberdeen	234	14.0	113	121	546	32.8
Island	1,027	15.4	517	510	777	11.7
Oak Harbor	470	24.8	233	237	556	29.4
Jefferson	236	10.0	131	105	146	6.2
King	22,330	14.1	11,442	10,888	25,701	16.2
Auburn	744	21.5	363	381	746	21.6
Bellevue	1,132	12.6	565	567	2,686	29.9
Des Moines	176	9.0	87	89	5	0.3
Federal Way	1,172	15.6	574	598	1,743	23.1
Kent	1,188	28.9	616	572	11	0.3
Kirkland	743	17.8	371	372	2,477	59.4
Mercer Island	147	6.9	80	67	1	0.0
Redmond	609	15.2	312	297	1,194	29.8
Renton	862	19.8	461	401	2,968	68.3
Sea Tac	100	4.4	61	39	1	0.0
Seattle	6,385	12.1	3,287	3,098	13,416	25.4
Kitsap	3,098	14.8	1,558	1,540	2,582	12.3
Bremerton	945	26.0	487	458	2,549	70.1
Bainbridge Island	74	4.3	36	38	0	0.0
Kittitas	303	10.4	155	148	262	9.0
Klickitat	235	13.4	122	113	195	11.1

Table 9. Live Births by Place of Residence by Sex and by Place of Occurrence, 1993

County and City	Residence			Occurrence		
	Number	Rate ¹	Male	Female	Number	Rate ¹
Lewis	829	13.2	415	414	655	10.4
Lincoln	122	13.3	70	52	33	3.6
Mason	497	11.6	256	241	161	3.8
Okanogan	585	16.5	299	286	614	17.3
Pacific	238	12.0	122	116	132	6.7
Pend Oreille	132	13.1	59	73	43	4.3
Pierce	10,203	15.9	5,220	4,983	10,631	16.6
Puyallup	490	18.7	273	217	1,403	53.7
Tacoma	3,156	17.4	1,616	1,540	9,092	50.2
San Juan	103	8.7	50	53	5	0.4
Skagit	1,268	14.3	649	619	1,497	16.9
Mount Vernon	367	17.9	173	194	1,118	54.7
Skamania	95	10.6	42	53	2	0.2
Snohomish	8,025	15.8	4,028	3,997	5,741	11.3
Edmonds	375	12.1	174	201	1,637	52.9
Everett	1,817	23.6	935	882	3,263	42.4
Lynnwood	702	23.7	344	358	45	1.5
Mountlake Terrace	254	12.8	118	136	3	0.2
Spokane	5,767	15.0	2,923	2,844	6,492	16.9
Spokane (City)	3,597	19.6	1,814	1,783	6,461	35.2
Stevens	405	12.1	198	207	315	9.4
Thurston	2,441	13.5	1,261	1,180	2,611	14.5
Lacey	298	13.2	158	140	5	0.2
Olympia	654	17.9	354	300	2,571	70.4
Wahkiakum	32	9.1	16	16	0	0.0
Walla Walla	705	13.6	354	351	927	17.9
Walla Walla (City)	429	14.9	212	217	922	32.0
Whatcom	1,977	14.0	1,035	942	1,944	13.8
Bellingham	708	12.8	371	337	1,915	34.5
Whitman	443	11.2	223	220	387	9.8
Pullman	218	9.3	97	121	321	13.7
Yakima	4,369	22.2	2,238	2,131	4,072	20.7
Yakima (City)	1,366	22.9	684	682	2,919	49.0

¹Rates per 1,000 population

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Table 10. Live Births by Mother's Age Group by Place of Residence, 1993

County and City	All Ages	Under								45 and Over	Age Unknown
		15	15-17	18-19	20-24	25-29	30-34	35-39	40-44		
State Total	78,614	168	3,042	5,526	19,995	22,258	18,291	7,816	1,407	62	49
Adams	340	2	22	39	102	94	58	17	5	1	0
Asotin	253	1	21	28	76	62	41	22	1	0	1
Benton	1,979	3	90	148	523	592	438	152	29	2	2
Kennewick	848	1	43	72	252	255	164	49	10	1	1
Richland	472	0	12	18	107	147	132	49	7	0	0
Chelan	939	4	62	77	302	242	172	65	12	2	1
Wenatchee	461	2	25	33	153	130	85	28	3	1	1
Clallam	686	1	28	72	201	166	133	70	14	1	0
Port Angeles	241	0	14	30	73	60	41	20	3	0	0
Clark	4,147	8	148	301	1,153	1,218	912	340	63	4	0
Vancouver	1,216	4	69	123	438	334	180	57	11	0	0
Columbia	47	0	2	6	16	11	11	1	0	0	0
Cowlitz	1,209	3	78	138	433	316	163	69	8	0	1
Longview	519	3	35	59	197	129	68	25	2	0	1
Douglas	440	1	27	37	119	141	79	33	3	0	0
Ferry	76	0	7	5	25	17	13	5	4	0	0
Franklin	981	5	75	108	316	252	159	51	14	0	1
Pasco	629	4	50	81	222	147	94	25	5	0	1
Garfield	21	0	2	4	8	4	3	0	0	0	0
Grant	1,170	3	75	121	406	292	186	72	15	0	0
Grays Harbor	861	4	47	82	290	223	132	69	13	1	0
Aberdeen	234	1	9	25	81	57	45	11	5	0	0
Island	1,027	0	21	75	341	295	190	88	15	1	1
Oak Harbor	470	0	13	43	210	116	63	20	5	0	0
Jefferson	236	1	12	24	65	47	51	31	5	0	0
King	22,330	32	571	1,060	4,107	6,152	6,680	3,087	598	21	22
Auburn	744	3	36	66	216	218	151	45	9	0	0
Bellevue	1,132	0	18	26	155	290	424	177	41	1	0
Des Moines	176	1	7	9	38	54	49	15	3	0	0
Federal Way	1,172	1	29	74	264	370	291	120	21	2	0
Kent	1,188	0	38	95	325	375	242	99	13	1	0
Kirkland	743	1	6	31	121	229	240	98	14	0	3
Mercer Island	147	0	0	2	9	28	47	48	13	0	0
Redmond	609	0	8	17	93	183	212	85	11	0	0
Renton	862	2	25	50	212	257	236	68	10	2	0
Sea Tac	100	0	4	9	25	29	23	7	3	0	0
Seattle	6,385	9	160	254	1,104	1,573	1,909	1,110	250	13	3
Kitsap	3,098	2	105	230	914	852	646	298	50	0	1
Bremerton	945	1	40	105	357	255	126	49	12	0	0
Bainbridge Island	74	0	0	0	5	15	28	21	5	0	0
Kittitas	303	1	7	15	98	89	65	23	5	0	0
Klickitat	235	0	16	29	66	66	40	14	4	0	0

Table 10. Live Births by Mother's Age Group by Place of Residence, 1993

County and City	All Ages	Under								45 and Over	Age Unknown
		15	15-17	18-19	20-24	25-29	30-34	35-39	40-44		
Lewis	829	2	33	87	277	214	145	56	12	0	3
Lincoln	122	0	3	7	32	32	34	14	0	0	0
Mason	497	2	35	39	161	133	80	43	4	0	0
Okanogan	585	1	36	55	183	149	104	46	10	1	0
Pacific	238	0	26	25	73	52	37	20	5	0	0
Pend Oreille	132	0	9	18	37	24	25	17	2	0	0
Pierce	10,203	28	436	795	2,902	3,001	2,086	817	125	9	4
Puyallup	490	0	14	40	123	168	117	24	4	0	0
Tacoma	3,156	15	189	275	893	874	586	269	53	2	0
San Juan	103	0	2	6	22	29	28	15	1	0	0
Skagit	1,268	3	66	118	345	358	252	107	18	1	0
Mount Vernon	367	1	24	34	96	102	79	27	4	0	0
Skamania	95	0	3	6	27	26	19	12	2	0	0
Snohomish	8,025	6	233	418	1,728	2,552	2,094	843	140	8	3
Edmonds	375	0	6	15	66	95	125	59	7	2	0
Everett	1,817	3	72	143	528	579	356	110	25	1	0
Lynnwood	702	1	27	38	172	251	132	68	11	1	1
Mountlake Terrace	254	0	5	13	51	88	63	27	7	0	0
Spokane	5,767	9	257	446	1,631	1,665	1,215	470	68	3	3
Spokane (City)	3,597	2	166	317	1,104	1,003	706	253	42	3	1
Stevens	405	1	21	54	132	91	68	30	6	1	1
Thurston	2,441	6	74	175	665	732	516	227	39	4	3
Lacey	298	0	9	22	92	98	54	20	3	0	0
Olympia	654	2	20	53	187	172	137	69	10	2	2
Wahkiakum	32	0	0	3	8	11	6	4	0	0	0
Walla Walla	705	5	40	50	217	182	139	64	8	0	0
Walla Walla (City)	429	5	30	32	131	110	77	37	7	0	0
Whatcom	1,977	5	49	137	489	600	452	199	46	0	0
Bellingham	708	2	17	58	193	193	148	77	20	0	0
Whitman	443	0	4	13	103	157	105	51	10	0	0
Pullman	218	0	1	3	53	70	50	33	8	0	0
Yakima	4,369	29	299	475	1,402	1,119	714	274	53	2	2
Yakima (City)	1,366	9	89	149	471	363	201	74	8	2	0

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Table 11. Live Births by Mother's Race by Place of Residence, 1993

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic Origin ¹
State Total	78,614	67,310	3,062	1,651	206	291	752	3,513	18	1,811	7,693
Adams	340	338	1	1	0	0	0	0	0	0	206
Asotin	253	245	0	8	0	0	0	0	0	0	2
Benton	1,979	1,877	28	15	2	6	7	35	1	8	354
Kennewick	848	801	15	11	0	0	2	15	0	4	143
Richland	472	437	9	3	1	3	3	13	1	2	25
Chelan	939	922	1	7	3	0	2	4	0	0	339
Wenatchee	461	448	1	4	3	0	2	3	0	0	144
Clallam	686	609	2	57	0	2	2	5	0	9	29
Port Angeles	241	225	1	8	0	1	1	2	0	3	6
Clark	4,147	3,916	56	35	11	11	14	100	0	4	116
Vancouver	1,216	1,134	21	11	2	1	2	44	0	1	59
Columbia	47	46	0	0	0	0	0	1	0	0	6
Cowlitz	1,209	1,162	8	24	0	1	4	9	1	0	44
Longview	519	497	6	11	0	1	0	3	1	0	19
Douglas	440	438	0	1	0	0	0	1	0	0	129
Ferry	76	56	0	16	0	0	0	1	0	3	1
Franklin	981	933	23	7	1	0	4	12	0	1	545
Pasco	629	591	18	6	1	0	3	9	0	1	387
Garfield	21	21	0	0	0	0	0	0	0	0	0
Grant	1,170	1,141	7	11	0	1	1	5	0	4	443
Grays Harbor	861	754	1	64	1	1	1	10	0	29	33
Aberdeen	234	215	0	10	0	1	0	3	0	5	15
Island	1,027	886	32	8	3	2	38	49	0	9	49
Oak Harbor	470	379	24	4	2	2	30	29	0	0	28
Jefferson	236	218	2	10	1	0	0	1	1	3	8
King	22,330	16,794	1,559	304	98	198	364	1,948	8	1,057	1,116
Auburn	744	656	13	26	2	2	7	20	0	18	30
Bellevue	1,132	877	30	2	14	18	5	124	0	62	65
Des Moines	176	143	12	4	1	1	2	8	0	5	7
Federal Way	1,172	931	76	10	3	5	15	111	0	21	49
Kent	1,188	927	58	18	3	3	16	70	3	90	60
Kirkland	743	624	18	3	3	5	4	45	1	40	30
Mercer Island	147	123	0	1	1	3	1	11	0	7	4
Redmond	609	498	8	1	6	5	4	44	0	43	22
Renton	862	631	59	11	1	3	20	67	1	69	27
Sea Tac	100	85	5	1	1	0	0	6	0	2	4
Seattle	6,385	4,151	805	96	29	108	167	805	2	222	347
Kitsap	3,098	2,672	124	59	8	4	88	115	0	28	118
Bremerton	945	754	66	22	5	2	41	50	0	5	44
Bainbridge Island	74	68	0	0	0	0	2	0	0	4	1
Kittitas	303	291	1	1	0	0	4	4	0	2	32
Klickitat	235	217	0	16	0	0	1	0	0	1	22

Table 11. Live Births by Mother's Race by Place of Residence, 1993

County and City	Total	White	African American	Native American	Japanese	Chinese	Filipino	Other Asian	Other	Unknown	Hispanic Origin ¹
Lewis	829	806	0	9	2	0	0	6	0	6	45
Lincoln	122	120	0	1	0	0	1	0	0	0	2
Mason	497	443	0	21	1	0	4	9	0	19	21
Okanogan	585	504	2	67	1	0	0	8	0	3	169
Pacific	238	224	1	4	0	0	1	8	0	0	26
Pend Oreille	132	128	0	3	0	0	0	0	0	1	1
Pierce	10,203	8,315	934	165	31	13	101	560	0	84	578
Puyallup	490	456	1	10	3	3	0	10	0	7	15
Tacoma	3,156	2,345	399	80	13	3	35	268	0	13	189
San Juan	103	98	0	1	1	0	0	2	0	1	2
Skagit	1,268	1,232	8	12	1	0	4	7	1	3	219
Mount Vernon	367	359	3	1	0	0	0	3	0	1	97
Skamania	95	93	0	0	1	0	0	1	0	0	5
Snohomish	8,025	7,124	94	144	20	21	70	309	1	242	271
Edmonds	375	341	3	3	0	3	3	20	0	2	8
Everett	1,817	1,593	32	37	7	1	20	66	0	61	81
Lynnwood	702	597	15	8	1	3	8	54	1	15	20
Mountlake Terrace	254	209	4	2	1	1	3	23	0	11	8
Spokane	5,767	5,429	79	114	4	4	19	91	3	24	97
Spokane (City)	3,597	3,356	64	84	4	2	14	61	0	12	54
Stevens	405	366	0	30	0	0	1	2	0	6	2
Thurston	2,441	2,028	36	42	4	3	8	122	0	198	99
Lacey	298	224	5	7	1	1	0	25	0	35	12
Olympia	654	520	8	12	1	1	2	42	0	68	27
Wahkiakum	32	32	0	0	0	0	0	0	0	0	3
Walla Walla	705	682	6	6	2	1	2	5	0	1	193
Walla Walla (City)	429	412	6	2	1	1	2	4	0	1	126
Whatcom	1,977	1,794	2	114	1	0	0	34	0	32	143
Bellingham	708	636	1	39	0	0	0	18	0	14	43
Whitman	443	383	8	3	2	14	0	30	0	3	11
Pullman	218	167	7	1	2	12	0	28	0	1	9
Yakima	4,369	3,973	47	271	7	9	11	19	2	30	2,214
Yakima (City)	1,366	1,269	28	38	3	7	6	7	0	8	574

¹Hispanic Origin is considered an ethnicity rather than a race. Births to mothers of Hispanic Origin are also counted under the race of the mother. See Appendix A, "Hispanic Origin."

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Table 12. Live Births by Child's Race¹ by Place of Residence, 1993

County and City	Total	African		Native		Other				Hispanic Origin ²	
		White	American	American	Japanese	Chinese	Filipino	Asian	Other		Unknown
State Total	78,614	64,631	4,062	1,872	274	323	790	3,906	22	2,734	9,619
Adams	340	332	2	0	0	0	0	2	0	4	213
Asotin	253	237	3	11	0	0	0	2	0	0	8
Benton	1,979	1,803	36	23	6	8	10	39	1	53	419
Kennewick	848	775	18	14	2	0	5	17	0	17	179
Richland	472	425	12	6	2	4	3	15	1	4	37
Chelan	939	912	5	8	3	1	1	7	0	2	380
Wenatchee	461	443	4	5	3	0	1	5	0	0	164
Clallam	686	587	5	65	0	2	3	15	0	9	41
Port Angeles	241	217	3	12	0	1	1	5	0	2	9
Clark	4,147	3,815	77	50	11	14	14	102	0	64	156
Vancouver	1,216	1,096	23	14	2	1	1	33	0	46	79
Columbia	47	46	0	0	0	0	0	1	0	0	7
Cowlitz	1,209	1,121	8	37	1	1	4	16	1	20	78
Longview	519	472	3	21	0	1	0	6	0	16	36
Douglas	440	433	1	1	0	0	2	2	0	1	146
Ferry	76	53	0	19	0	0	0	1	0	3	1
Franklin	981	900	29	7	1	0	5	15	0	24	580
Pasco	629	568	25	6	1	0	4	10	0	15	410
Garfield	21	21	0	0	0	0	0	0	0	0	0
Grant	1,170	1,115	15	11	1	1	2	5	0	20	497
Grays Harbor	861	735	4	75	1	1	1	16	0	28	59
Aberdeen	234	212	1	11	0	1	0	4	0	5	25
Island	1,027	857	48	16	3	2	34	57	1	9	85
Oak Harbor	470	362	37	9	2	2	24	34	0	0	51
Jefferson	236	206	2	17	1	0	0	7	1	2	13
King	22,330	15,988	1,885	319	127	212	383	2,121	8	1,287	1,546
Auburn	744	637	17	16	1	2	10	27	0	34	41
Bellevue	1,132	846	47	7	13	21	11	129	1	57	85
Des Moines	176	134	19	6	0	1	2	8	0	6	17
Federal Way	1,172	866	108	12	8	5	19	123	0	31	83
Kent	1,188	876	88	23	8	2	19	75	2	95	81
Kirkland	743	606	28	5	4	7	4	50	0	39	47
Mercer Island	147	118	1	2	1	4	1	15	0	5	5
Redmond	609	482	15	4	7	7	4	51	0	39	33
Renton	862	597	75	12	2	6	19	74	1	76	48
Sea Tac	100	78	10	0	1	0	1	7	0	3	7
Seattle	6,385	3,863	894	96	33	108	156	857	2	376	483
Kitsap	3,098	2,538	212	89	7	5	83	133	1	30	204
Bremerton	945	702	117	27	4	1	39	50	0	5	79
Bainbridge Island	74	66	0	1	0	0	2	1	0	4	2
Kittitas	303	290	3	1	0	0	3	4	0	2	36
Klickitat	235	211	0	20	0	0	1	2	0	1	33

Table 12. Live Births by Child's Race¹ by Place of Residence, 1993

County and City	Total	African		Native		Other					Hispanic Origin ²
		White	American	American	Japanese	Chinese	Filipino	Asian	Other	Unknown	
Lewis	829	793	2	14	1	0	1	12	0	6	61
Lincoln	122	115	0	5	0	0	1	0	0	1	6
Mason	497	431	2	27	0	0	4	14	0	19	37
Okanogan	585	493	4	70	1	0	0	10	0	7	207
Pacific	238	217	3	8	0	0	1	9	0	0	35
Pend Oreille	132	126	1	3	0	0	0	1	0	1	4
Pierce	10,203	7,753	1,137	180	51	17	120	540	0	405	828
Puyallup	490	438	4	16	4	2	4	13	0	9	27
Tacoma	3,156	2,148	400	70	20	3	46	220	0	249	264
San Juan	103	97	1	1	1	0	0	2	0	1	3
Skagit	1,268	1,215	13	18	2	0	5	9	1	5	264
Mount Vernon	367	353	4	5	0	0	1	3	0	1	119
Skamania	95	90	0	3	1	0	0	1	0	0	7
Snohomish	8,025	6,875	224	183	32	25	71	376	1	238	463
Edmonds	375	327	6	7	1	2	3	27	0	2	15
Everett	1,817	1,508	83	45	10	2	19	81	0	69	142
Lynnwood	702	575	28	10	1	5	9	61	1	12	38
Mountlake Terrace	254	196	9	3	1	2	3	29	0	11	16
Spokane	5,767	5,273	164	138	5	7	17	109	3	51	163
Spokane (City)	3,597	3,236	129	103	5	4	13	73	0	34	102
Stevens	405	352	2	36	0	0	1	5	0	9	5
Thurston	2,441	1,955	76	60	3	5	10	138	0	194	158
Lacey	298	211	13	10	1	1	0	27	0	35	18
Olympia	654	504	17	13	1	1	4	48	0	66	38
Wahkiakum	32	32	0	0	0	0	0	0	0	0	3
Walla Walla	705	674	10	6	1	2	1	10	0	1	226
Walla Walla (City)	429	406	9	2	1	2	1	7	0	1	149
Whatcom	1,977	1,762	18	115	5	0	0	41	0	36	203
Bellingham	708	622	10	38	0	0	0	21	0	17	71
Whitman	443	377	12	3	1	14	0	32	1	3	15
Pullman	218	163	11	1	1	11	0	30	0	1	13
Yakima	4,369	3,801	58	233	8	6	12	50	3	198	2,429
Yakima (City)	1,366	1,249	33	42	2	5	5	14	0	16	667

¹Child's race is determined from the race of the parents according to rules of the National Center for Health Statistics explained in Appendix A.

²Hispanic Origin is considered an ethnicity rather than a race. Births concerning children of Hispanic Origin are also counted under the race of the child. See Appendix A, "Hispanic Origin."

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Table 13. Live Births by Month by Place of Residence, 1993

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
State Total	78,614	6,217	5,974	6,826	6,728	6,814	6,918	7,034	6,764	6,567	6,366	6,005	6,401
Adams	340	29	24	29	31	29	31	21	27	26	32	32	29
Asotin	253	19	19	19	23	20	16	26	20	21	29	23	18
Benton	1,979	147	145	175	167	152	179	173	170	155	158	171	187
Kennewick	848	66	50	79	81	63	78	73	72	65	63	76	82
Richland	472	29	43	41	41	31	38	36	49	50	28	43	43
Chelan	939	63	66	69	88	96	83	87	78	69	73	82	85
Wenatchee	461	31	29	29	43	48	33	45	44	32	36	45	46
Clallam	686	53	39	54	51	69	64	65	62	52	51	66	60
Port Angeles	241	13	19	23	9	28	30	22	24	13	20	23	17
Clark	4,147	314	348	328	352	365	338	352	371	348	320	350	361
Vancouver	1,216	85	100	95	92	112	93	92	122	105	93	108	119
Columbia	47	4	5	7	5	5	4	3	2	2	4	4	2
Cowlitz	1,209	90	82	99	100	120	99	112	116	93	103	113	82
Longview	519	34	30	51	40	55	44	55	44	40	52	47	27
Douglas	440	36	28	34	34	42	34	44	39	41	36	37	35
Ferry	76	10	1	6	8	3	6	4	2	12	3	7	14
Franklin	981	71	65	67	82	98	96	109	79	79	82	73	80
Pasco	629	50	41	44	45	62	56	70	49	51	55	51	55
Garfield	21	1	1	2	3	1	0	2	0	1	5	3	2
Grant	1,170	100	80	96	113	109	94	106	100	100	82	84	106
Grays Harbor	861	59	71	82	68	74	80	83	67	73	66	74	64
Aberdeen	234	19	14	25	16	19	19	22	16	20	21	20	23
Island	1,027	80	83	100	105	77	83	102	77	90	80	52	98
Oak Harbor	470	37	43	38	51	30	35	34	39	49	41	25	48
Jefferson	236	19	23	25	20	16	24	19	15	18	24	17	16
King	22,330	1,758	1,704	1,935	1,838	1,936	2,013	1,942	2,016	1,837	1,854	1,726	1,771
Auburn	744	57	57	65	57	59	69	68	77	53	65	52	65
Bellevue	1,132	70	102	95	91	98	97	103	99	92	84	103	98
Des Moines	176	16	14	16	13	17	13	14	14	14	20	15	10
Federal Way	1,172	93	79	108	105	92	90	104	99	114	112	89	87
Kent	1,188	91	82	111	109	105	92	95	101	103	93	93	113
Kirkland	743	50	70	66	63	54	67	77	62	58	76	45	55
Mercer Island	147	12	12	10	9	9	21	17	11	17	14	7	8
Redmond	609	50	47	49	39	51	62	49	63	49	52	49	49
Renton	862	66	69	78	78	75	74	72	67	74	60	61	88
Sea Tac	100	3	8	10	7	7	9	4	13	6	13	15	5
Seattle	6,385	588	542	593	553	531	564	539	533	494	486	468	494
Kitsap	3,098	254	221	271	288	258	252	296	243	263	274	235	243
Bremerton	945	77	64	87	96	81	68	79	59	89	101	68	76
Bainbridge Island	74	10	5	8	10	6	5	11	4	6	6	3	0
Kittitas	303	26	19	23	25	25	27	27	31	37	16	23	24
Klickitat	235	8	19	29	25	18	27	17	20	24	16	17	15

Table 13. Live Births by Month by Place of Residence, 1993

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Lewis	829	74	67	61	72	49	77	91	81	72	61	56	68
Lincoln	122	5	12	9	14	8	15	12	12	12	6	7	10
Mason	497	46	43	39	42	39	48	48	38	45	37	33	39
Okanogan	585	45	46	47	43	43	55	51	60	52	58	39	46
Pacific	238	19	24	16	19	23	11	25	19	15	25	17	25
Pend Oreille	132	11	6	12	7	18	11	17	13	5	13	11	8
Pierce	10,203	869	784	912	938	839	857	852	857	906	785	766	838
Puyallup	490	33	45	41	43	55	46	35	41	38	36	31	46
Tacoma	3,156	288	307	269	279	228	242	244	262	302	255	218	262
San Juan	103	6	1	11	11	7	11	10	14	11	6	9	6
Skagit	1,268	99	101	109	104	103	106	113	100	113	97	111	112
Mount Vernon	367	29	30	39	30	27	28	34	24	35	25	30	36
Skamania	95	9	6	7	6	8	8	8	8	8	10	7	10
Snohomish	8,025	637	595	740	681	734	719	744	672	649	608	577	669
Edmonds	375	33	34	33	31	37	30	36	25	32	26	31	27
Everett	1,817	157	140	181	150	152	156	163	152	148	138	142	138
Lynnwood	702	44	36	64	56	79	74	52	72	55	51	45	74
Mountlake Terrace	254	24	20	20	23	29	23	23	20	20	13	20	19
Spokane	5,767	439	472	519	461	551	497	499	491	479	497	429	433
Spokane (City)	3,597	262	304	307	281	319	323	309	313	305	313	289	272
Stevens	405	41	14	22	50	28	40	26	38	42	44	35	25
Thurston	2,441	194	167	199	204	193	230	241	241	199	195	187	191
Lacey	298	29	19	21	37	31	22	26	24	19	25	21	24
Olympia	654	56	44	56	53	45	77	69	71	41	52	42	48
Wahkiakum	32	0	1	2	5	3	6	2	3	1	4	1	4
Walla Walla	705	48	47	51	62	63	73	67	65	55	68	42	64
Walla Walla (City)	429	28	33	25	35	44	52	40	35	31	38	21	47
Whatcom	1,977	165	180	160	179	173	177	164	155	164	156	141	163
Bellingham	708	49	67	63	67	62	62	53	52	60	59	54	60
Whitman	443	39	33	39	44	29	34	44	37	51	37	24	32
Pullman	218	26	17	17	19	15	13	19	15	22	25	15	15
Yakima	4,369	330	332	421	360	390	393	430	325	347	351	324	366
Yakima (City)	1,366	113	118	140	116	119	114	123	97	115	107	92	112

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Table 14. Live Births by Birth Weight in Grams by Place of Residence, 1993

County and City	Total	1000 or Less	1001- 1500	1501- 2000	2001- 2500	2501- 3000	3001- 3500	3501- 4000	4001- 4500	4501- Over	Not Stated
State Total	78,614	305	346	850	2,801	10,393	27,597	25,726	8,900	1,797	99
Adams	340	2	1	2	9	41	126	124	30	3	2
Asotin	253	0	0	3	7	34	87	84	33	5	0
Benton	1,979	9	11	14	66	244	666	687	247	35	0
Kennewick	848	6	3	4	30	112	271	295	104	23	0
Richland	472	0	4	5	15	53	158	171	62	4	0
Chelan	939	3	4	10	20	122	348	303	98	30	1
Wenatchee	461	1	3	3	9	65	168	162	37	13	0
Clallam	686	2	1	4	18	81	259	226	72	22	1
Port Angeles	241	0	0	2	7	26	93	83	21	9	0
Clark	4,147	26	14	42	138	493	1,402	1,416	522	93	1
Vancouver	1,216	1	0	2	48	175	420	387	155	28	0
Columbia	47	2	0	0	1	6	16	15	5	2	0
Cowlitz	1,209	1	5	13	35	181	425	377	144	25	3
Longview	519	0	1	1	15	71	190	166	69	5	1
Douglas	440	0	1	5	12	50	159	153	51	9	0
Ferry	76	0	0	0	5	11	25	25	7	3	0
Franklin	981	1	3	10	27	138	387	298	98	19	0
Pasco	629	0	3	7	21	84	259	188	55	12	0
Garfield	21	0	0	0	0	5	6	7	3	0	0
Grant	1,170	7	6	15	38	147	458	354	113	27	5
Grays Harbor	861	3	5	9	30	109	298	305	79	22	1
Aberdeen	234	1	3	4	10	31	88	69	24	4	0
Island	1,027	2	5	7	22	126	329	374	128	33	1
Oak Harbor	470	0	2	0	8	48	152	187	62	11	0
Jefferson	236	1	0	0	11	37	77	84	20	6	0
King	22,330	90	103	284	726	3,032	7,889	7,209	2,461	495	41
Auburn	744	3	6	9	27	108	278	207	87	18	1
Bellevue	1,132	5	7	14	37	140	392	387	122	24	4
Des Moines	176	1	1	5	5	20	68	55	18	3	0
Federal Way	1,172	2	6	20	39	145	420	394	115	29	2
Kent	1,188	5	6	10	47	164	398	382	141	33	2
Kirkland	743	2	3	10	28	99	261	246	74	19	1
Mercer Island	147	1	0	0	4	19	42	59	16	6	0
Redmond	609	0	3	5	16	60	215	204	86	20	0
Renton	862	7	4	15	28	115	303	277	86	26	1
Sea Tac	100	1	0	2	2	12	33	31	15	3	1
Seattle	6,385	20	28	88	207	964	2,362	1,939	636	123	18
Kitsap	3,098	6	11	26	115	405	1,059	1,007	376	92	1
Bremerton	945	1	4	3	30	108	340	322	102	34	1
Bainbridge Island	74	1	2	0	2	12	26	23	5	3	0
Kittitas	303	1	0	1	12	41	101	107	36	4	0
Klickitat	235	1	3	2	6	28	85	66	38	5	1

Table 14. Live Births by Birth Weight in Grams by Place of Residence, 1993

County and City	Total	1000 or Less	1001- 1500	1501- 2000	2001- 2500	2501- 3000	3001- 3500	3501- 4000	4001- 4500	4501- Over	Not Stated
Lewis	829	1	3	10	26	123	295	251	102	18	0
Lincoln	122	0	0	1	6	22	35	41	13	4	0
Mason	497	0	3	5	11	66	181	143	74	12	2
Okanogan	585	3	5	4	11	67	218	199	68	10	0
Pacific	238	2	2	2	15	33	76	72	28	7	1
Pend Oreille	132	0	0	1	4	23	55	28	14	7	0
Pierce	10,203	52	56	128	408	1,423	3,538	3,284	1,087	222	5
Puyallup	490	2	1	3	15	61	166	163	68	11	0
Tacoma	3,156	20	23	48	149	454	1,134	935	321	69	3
San Juan	103	0	0	0	1	12	35	42	10	3	0
Skagit	1,268	3	7	10	39	133	464	449	133	30	0
Mount Vernon	367	2	3	4	8	33	138	130	41	8	0
Skamania	95	2	0	1	2	9	37	34	8	2	0
Snohomish	8,025	33	31	66	285	990	2,587	2,757	1,056	214	6
Edmonds	375	0	1	1	17	49	128	127	45	6	1
Everett	1,817	10	7	20	64	245	574	612	239	44	2
Lynnwood	702	1	2	3	21	83	235	236	93	28	0
Mountlake Terrace	254	0	1	5	9	28	99	78	28	6	0
Spokane	5,767	21	25	75	203	800	2,143	1,800	597	95	8
Spokane (City)	3,597	14	19	55	132	505	1,330	1,115	364	58	5
Stevens	405	0	3	5	11	48	144	144	43	7	0
Thurston	2,441	8	7	27	72	285	884	829	270	57	2
Lacey	298	1	0	3	7	32	112	105	29	9	0
Olympia	654	3	1	7	22	77	214	249	69	12	0
Wahkiakum	32	0	0	0	0	4	7	10	8	3	0
Walla Walla	705	1	1	6	20	83	228	249	88	28	1
Walla Walla (City)	429	1	1	2	13	54	145	146	53	14	0
Whatcom	1,977	1	9	19	44	218	637	704	279	63	3
Bellingham	708	1	2	5	14	86	216	269	99	14	2
Whitman	443	1	1	5	14	58	148	148	57	9	2
Pullman	218	1	0	2	5	26	69	83	27	4	1
Yakima	4,369	20	20	38	131	665	1,683	1,321	404	76	11
Yakima (City)	1,366	6	4	12	39	211	536	415	118	20	5

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Table 15. Live Births with Malformations by Place of Residence, ¹⁹⁹³1992

County and City	Total Births	Births with Malformations	Percent of Total Births ¹	Total Malformations ²
State Total	78,614	2,280	2.9	2,485
Adams	340	7	2.1	10
Asotin	253	5	2.0	7
Benton	1,979	70	3.5	86
Kennewick	848	26	3.1	35
Richland	472	21	4.4	23
Chelan	939	17	1.8	20
Wenatchee	461	3	0.7	3
Clallam	686	18	2.6	20
Port Angeles	241	5	2.1	7
Clark	4,147	38	0.9	40
Vancouver	1,216	8	0.7	8
Columbia	47	3	6.4	3
Cowlitz	1,209	10	0.8	10
Longview	519	2	0.4	2
Douglas	440	5	1.1	5
Ferry	76	1	1.3	1
Franklin	981	17	1.7	26
Pasco	629	10	1.6	18
Garfield	21	0	0.0	0
Grant	1,170	19	1.6	26
Grays Harbor	861	20	2.3	23
Aberdeen	234	10	4.3	10
Island	1,027	13	1.3	14
Oak Harbor	470	2	0.4	2
Jefferson	236	7	3.0	8
King	22,330	470	2.1	532
Auburn	744	36	4.8	38
Bellevue	1,132	19	1.7	29
Des Moines	176	4	2.3	4
Federal Way	1,172	58	4.9	66
Kent	1,188	18	1.5	19
Kirkland	743	3	0.4	3
Mercer Island	147	4	2.7	5
Redmond	609	8	1.3	9
Renton	862	11	1.3	12
Sea Tac	100	4	4.0	4
Seattle	6,385	127	2.0	150
Kitsap	3,098	177	5.7	186
Bremerton	945	54	5.7	57
Bainbridge Island	74	5	6.8	5
Kittitas	303	9	3.0	13
Klickitat	235	6	2.6	7

1993

Table 15. Live Births with Malformations by Place of Residence, 1992

County and City	Total Births	Births with Malformations	Percent of Total Births ¹	Total Malformations ²
Lewis	829	12	1.4	13
Lincoln	122	1	0.8	1
Mason	497	17	3.4	17
Okanogan	585	6	1.0	6
Pacific	238	10	4.2	10
Pend Oreille	132	1	0.8	2
Pierce	10,203	807	7.9	840
Puyallup	490	36	7.3	38
Tacoma	3,156	358	11.3	373
San Juan	103	1	1.0	1
Skagit	1,268	15	1.2	18
Mount Vernon	367	5	1.4	6
Skamania	95	1	1.1	1
Snohomish	8,025	184	2.3	208
Edmonds	375	4	1.1	4
Everett	1,817	55	3.0	58
Lynnwood	702	15	2.1	16
Mountlake Terrace	254	4	1.6	4
Spokane	5,767	115	2.0	133
Spokane (City)	3,597	71	2.0	83
Stevens	405	11	2.7	14
Thurston	2,441	40	1.6	40
Lacey	298	2	0.7	2
Olympia	654	9	1.4	9
Wahkiakum	32	0	0.0	0
Walla Walla	705	17	2.4	18
Walla Walla (City)	429	14	3.3	15
Whatcom	1,977	52	2.6	62
Bellingham	708	17	2.4	22
Whitman	443	9	2.0	10
Pullman	218	4	1.8	4
Yakima	4,369	49	1.1	54
Yakima (City)	1,366	10	0.7	12

¹Total may not add up to 100% due to rounding.

²Individual births may have more than one malformation.

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Table 16. Live Births by Maternal Smoking During Pregnancy by Place of Residence, 1993

County and City	Total Births	Maternal Smoking		No Maternal Smoking		Maternal Smoking Unknown	
		Number	Percent	Number	Percent	Number	Percent
State Total	78,614	13,793	17.5	63,374	80.6	1,447	1.8
Adams	340	25	7.4	312	91.8	3	0.9
Asotin	253	28	11.1	225	88.9	0	0.0
Benton	1,979	302	15.3	1,646	83.2	31	1.6
Kennewick	848	159	18.8	672	79.2	17	2.0
Richland	472	52	11.0	416	88.1	4	0.8
Chelan	939	116	12.4	821	87.4	2	0.2
Wenatchee	461	76	16.5	384	83.3	1	0.2
Clallam	686	175	25.5	497	72.4	14	2.0
Port Angeles	241	73	30.3	165	68.5	3	1.2
Clark	4,147	716	17.3	3,422	82.5	9	0.2
Vancouver	1,216	394	32.4	822	67.6	0	0.0
Columbia	47	17	36.2	30	63.8	0	0.0
Cowlitz	1,209	336	27.8	868	71.8	5	0.4
Longview	519	161	31.0	356	68.6	2	0.4
Douglas	440	57	13.0	381	86.6	2	0.5
Ferry	76	19	25.0	57	75.0	0	0.0
Franklin	981	96	9.8	875	89.2	10	1.0
Pasco	629	71	11.3	551	87.6	7	1.1
Garfield	21	5	23.8	16	76.2	0	0.0
Grant	1,170	175	15.0	988	84.4	7	0.6
Grays Harbor	861	280	32.5	575	66.8	6	0.7
Aberdeen	234	88	37.6	145	62.0	1	0.4
Island	1,027	185	18.0	834	81.2	8	0.8
Oak Harbor	470	78	16.6	391	83.2	1	0.2
Jefferson	236	68	28.8	166	70.3	2	0.8
King	22,330	2,975	13.3	18,445	82.6	910	4.1
Auburn	744	175	23.5	556	74.7	13	1.7
Bellevue	1,132	105	9.3	1,005	88.8	22	1.9
Des Moines	176	41	23.3	132	75.0	3	1.7
Federal Way	1,172	187	16.0	961	82.0	24	2.0
Kent	1,188	244	20.5	861	72.5	83	7.0
Kirkland	743	77	10.4	633	85.2	33	4.4
Mercer Island	147	3	2.0	142	96.6	2	1.4
Redmond	609	59	9.7	535	87.8	15	2.5
Renton	862	113	13.1	685	79.5	64	7.4
Sea Tac	100	27	27.0	67	67.0	6	6.0
Seattle	6,385	744	11.7	5,413	84.8	228	3.6
Kitsap	3,098	597	19.3	2,489	80.3	12	0.4
Bremerton	945	235	24.9	707	74.8	3	0.3
Bainbridge Island	74	4	5.4	70	94.6	0	0.0
Kittitas	303	56	18.5	243	80.2	4	1.3
Klickitat	235	48	20.4	183	77.9	4	1.7

Table 16. Live Births by Maternal Smoking During Pregnancy by Place of Residence, 1993

County and City	Total Births	Maternal Smoking		No Maternal Smoking		Maternal Smoking Unknown	
		Number	Percent	Number	Percent	Number	Percent
Lewis	829	212	25.6	612	73.8	5	0.6
Lincoln	122	24	19.7	96	78.7	2	1.6
Mason	497	146	29.4	349	70.2	2	0.4
Okanogan	585	101	17.3	477	81.5	7	1.2
Pacific	238	41	17.2	196	82.4	1	0.4
Pend Oreille	132	36	27.3	94	71.2	2	1.5
Pierce	10,203	2,216	21.7	7,914	77.6	73	0.7
Puyallup	490	81	16.5	404	82.4	5	1.0
Tacoma	3,156	751	23.8	2,392	75.8	13	0.4
San Juan	103	20	19.4	82	79.6	1	1.0
Skagit	1,268	237	18.7	1,006	79.3	25	2.0
Mount Vernon	367	60	16.3	300	81.7	7	1.9
Skamania	95	22	23.2	73	76.8	0	0.0
Snohomish	8,025	1,626	20.3	6,257	78.0	142	1.8
Edmonds	375	69	18.4	299	79.7	7	1.9
Everett	1,817	479	26.4	1,328	73.1	10	0.6
Lynnwood	702	138	19.7	550	78.3	14	2.0
Mountlake Terrace	254	47	18.5	196	77.2	11	4.3
Spokane	5,767	1,142	19.8	4,545	78.8	80	1.4
Spokane (City)	3,597	790	22.0	2,748	76.4	59	1.6
Stevens	405	102	25.2	301	74.3	2	0.5
Thurston	2,441	408	16.7	2,022	82.8	11	0.5
Lacey	298	36	12.1	259	86.9	3	1.0
Olympia	654	110	16.8	542	82.9	2	0.3
Wahkiakum	32	7	21.9	25	78.1	0	0.0
Walla Walla	705	132	18.7	570	80.9	3	0.4
Walla Walla (City)	429	85	19.8	343	80.0	1	0.2
Whatcom	1,977	371	18.8	1,589	80.4	17	0.9
Bellingham	708	149	21.0	554	78.2	5	0.7
Whitman	443	32	7.2	407	91.9	4	0.9
Pullman	218	6	2.8	211	96.8	1	0.5
Yakima	4,369	642	14.7	3,686	84.4	41	0.9
Yakima (City)	1,366	263	19.3	1,097	80.3	6	0.4

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Table 17. Live Births to Single Mothers by Mother's Age Group by Place of Residence, 1993

County and City	All Ages	Under								45 and Over	Age Unknown
		15	15-17	18-19	20-24	25-29	30-34	35-39	40-44		
State Total	20,649	160	2,609	3,640	7,249	3,707	2,139	917	196	17	15
Adams	100	2	15	21	32	18	10	0	1	1	0
Asotin	101	1	17	23	29	17	9	4	0	0	1
Benton	533	3	75	101	179	97	49	23	5	0	1
Kennewick	249	1	36	50	88	44	17	11	1	0	1
Richland	90	0	11	15	30	21	7	4	2	0	0
Chelan	270	4	48	42	93	49	22	10	0	1	1
Wenatchee	145	2	18	21	51	31	13	7	0	1	1
Clallam	207	1	22	48	68	36	23	5	4	0	0
Port Angeles	86	0	12	21	31	10	9	1	2	0	0
Clark	1,083	8	126	206	407	197	100	29	9	1	0
Vancouver	482	4	60	86	185	98	35	11	3	0	0
Columbia	16	0	1	3	7	3	1	1	0	0	0
Cowlitz	439	3	71	93	166	63	21	20	2	0	0
Longview	204	3	32	41	79	29	11	8	1	0	0
Douglas	105	1	23	17	29	19	9	6	1	0	0
Ferry	31	0	5	4	13	5	3	0	1	0	0
Franklin	373	4	68	71	128	46	45	8	3	0	0
Pasco	262	3	45	54	92	29	31	6	2	0	0
Garfield	6	0	2	3	1	0	0	0	0	0	0
Grant	351	3	55	78	124	59	23	7	2	0	0
Grays Harbor	354	4	45	59	121	71	33	19	2	0	0
Aberdeen	116	1	9	20	40	27	15	4	0	0	0
Island	150	0	15	30	61	24	8	10	2	0	0
Oak Harbor	68	0	10	9	35	10	0	4	0	0	0
Jefferson	82	1	11	16	28	14	6	4	2	0	0
King	5,078	31	522	776	1,740	996	636	307	58	7	5
Auburn	238	3	32	49	84	38	25	6	1	0	0
Bellevue	158	0	15	12	53	31	32	11	3	1	0
Des Moines	63	1	7	7	23	9	11	4	1	0	0
Federal Way	240	1	24	51	88	35	25	13	3	0	0
Kent	341	0	33	70	121	66	37	13	0	1	0
Kirkland	120	1	5	19	45	24	21	4	1	0	0
Mercer Island	4	0	0	1	2	0	0	1	0	0	0
Redmond	79	0	8	13	29	15	8	4	2	0	0
Renton	202	2	23	35	81	34	17	9	1	0	0
Sea Tac	35	0	4	6	14	4	3	3	1	0	0
Seattle	1,678	8	153	199	567	364	227	125	28	5	2
Kitsap	653	2	87	136	232	104	62	25	5	0	0
Bremerton	269	1	35	60	98	44	22	7	2	0	0
Bainbridge Island	2	0	0	0	0	1	1	0	0	0	0
Kittitas	64	1	6	5	32	11	6	1	2	0	0
Klickitat	85	0	14	21	21	18	10	1	0	0	0

Table 17. Live Births to Single Mothers by Mother's Age Group by Place of Residence, 1993

County and City	All Ages	Under								45 and Over	Age Unknown
		15	15-17	18-19	20-24	25-29	30-34	35-39	40-44		
Lewis	247	2	26	50	94	41	23	7	4	0	0
Lincoln	31	0	2	6	16	2	3	2	0	0	0
Mason	180	2	31	23	63	38	16	7	0	0	0
Okanogan	198	0	23	38	74	32	20	8	3	0	0
Pacific	79	0	18	18	29	9	3	2	0	0	0
Pend Oreille	49	0	6	12	19	3	3	5	1	0	0
Pierce	2,880	28	398	539	967	525	281	116	22	1	3
Puyallup	122	0	12	25	51	18	11	5	0	0	0
Tacoma	1,210	15	180	208	392	221	124	56	14	0	0
San Juan	21	0	2	1	9	2	2	5	0	0	0
Skagit	349	3	53	63	126	52	33	15	3	1	0
Mount Vernon	102	1	20	19	31	16	12	3	0	0	0
Skamania	28	0	3	5	11	5	4	0	0	0	0
Snohomish	1,710	5	206	288	599	310	194	92	14	1	1
Edmonds	72	0	5	11	24	13	10	6	3	0	0
Everett	568	3	63	103	220	100	62	14	3	0	0
Lynnwood	176	1	27	27	59	35	16	10	1	0	0
Mountlake Terrace	50	0	5	8	16	13	3	5	0	0	0
Spokane	1,600	9	214	282	604	271	153	51	15	1	0
Spokane (City)	1,122	2	137	197	448	179	115	32	11	1	0
Stevens	137	1	18	32	47	19	10	7	3	0	0
Thurston	638	5	68	115	222	120	67	30	8	2	1
Lacey	80	0	7	14	32	18	6	3	0	0	0
Olympia	201	2	17	36	69	31	28	12	3	2	1
Wahkiakum	8	0	0	2	3	1	1	1	0	0	0
Walla Walla	217	4	28	28	95	31	19	11	1	0	0
Walla Walla (City)	160	4	22	19	73	22	12	7	1	0	0
Whatcom	440	4	39	77	155	76	65	17	7	0	0
Bellingham	203	2	15	32	74	39	28	8	5	0	0
Whitman	54	0	3	10	19	12	4	5	1	0	0
Pullman	22	0	1	3	7	5	2	3	1	0	0
Yakima	1,702	28	243	298	586	311	162	56	15	1	2
Yakima (City)	525	9	68	95	194	97	47	11	3	1	0

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Table 18. Live Births by Institutions by Place of Occurrence, 1993

County and City	Total	Hospital	Birth Center	Federal Facility	Home	Born On Arrival	Other and Not Stated
State Total	77,181	71,967	299	3,824	1,020	61	10
Adams	444	439	0	0	2	3	0
Asotin	2	0	0	0	2	0	0
Benton	2,664	2,656	0	0	6	2	0
Kennewick	1,046	1,043	0	0	1	2	0
Richland	1,116	1,114	0	0	2	0	0
Chelan	1,375	1,364	0	0	11	0	0
Wenatchee	1,278	1,272	0	0	6	0	0
Clallam	696	678	0	0	15	2	1
Port Angeles	622	617	0	0	3	2	0
Clark	2,591	2,542	0	0	48	1	0
Vancouver	2,555	2,542	0	0	12	1	0
Columbia	1	0	0	0	1	0	0
Cowlitz	1,387	1,379	0	0	7	1	0
Longview	1,381	1,379	0	0	1	1	0
Douglas	2	0	0	0	2	0	0
Ferry	11	9	0	0	2	0	0
Franklin	677	673	0	0	3	1	0
Pasco	674	673	0	0	0	1	0
Garfield	1	0	0	0	1	0	0
Grant	848	839	0	0	9	0	0
Grays Harbor	557	545	0	0	11	1	0
Aberdeen	546	545	0	0	0	1	0
Island	777	204	5	556	11	0	1
Oak Harbor	556	0	0	556	0	0	0
Jefferson	146	133	0	0	13	0	0
King	25,701	25,367	60	0	264	10	0
Auburn	746	737	0	0	9	0	0
Bellevue	2,686	2,678	0	0	8	0	0
Des Moines	5	0	0	0	5	0	0
Federal Way	1,743	1,731	0	0	12	0	0
Kent	11	0	0	0	11	0	0
Kirkland	2,477	2,472	0	0	4	1	0
Mercer Island	1	0	0	0	1	0	0
Redmond	1,194	1,186	0	0	8	0	0
Renton	2,968	2,962	0	0	6	0	0
Sea Tac	1	0	0	0	1	0	0
Seattle	13,416	13,251	57	0	99	9	0
Kitsap	2,582	1,843	0	690	43	5	1
Bremerton	2,549	1,843	0	690	10	5	1
Bainbridge Island	0	0	0	0	0	0	0
Kittitas	262	255	0	0	7	0	0
Klickitat	195	194	0	0	1	0	0

Table 18. Live Births by Institutions by Place of Occurrence, 1993

County and City	Total	Hospital	Birth Center	Federal Facility	Home	Born On Arrival	Other and Not Stated
Lewis	655	566	33	0	53	3	0
Lincoln	33	30	0	0	3	0	0
Mason	161	156	0	0	4	1	0
Okanogan	614	605	0	0	9	0	0
Pacific	132	128	0	0	3	1	0
Pend Oreille	43	42	0	0	1	0	0
Pierce	10,631	8,184	34	2,243	160	9	1
Puyallup	1,403	1,391	0	0	11	1	0
Tacoma	9,092	6,793	3	2,243	45	8	0
San Juan	5	0	0	0	2	0	3
Skagit	1,497	1,470	1	0	24	0	2
Mount Vernon	1,118	1,116	0	0	2	0	0
Skamania	2	0	0	0	2	0	0
Snohomish	5,741	5,456	163	0	115	6	1
Edmonds	1,637	1,631	0	0	3	3	0
Everett	3,263	3,210	18	0	32	3	0
Lynnwood	45	0	37	0	8	0	0
Mountlake Terrace	3	0	0	0	3	0	0
Spokane	6,492	6,089	3	335	55	10	0
Spokane (City)	6,461	6,082	2	335	32	10	0
Stevens	315	308	0	0	6	1	0
Thurston	2,611	2,556	0	0	54	1	0
Lacey	5	0	0	0	5	0	0
Olympia	2,571	2,556	0	0	14	1	0
Wahkiakum	0	0	0	0	0	0	0
Walla Walla	927	920	0	0	7	0	0
Walla Walla (City)	922	919	0	0	3	0	0
Whatcom	1,944	1,892	0	0	52	0	0
Bellingham	1,915	1,892	0	0	23	0	0
Whitman	387	385	0	0	1	1	0
Pullman	321	321	0	0	0	0	0
Yakima	4,072	4,060	0	0	10	2	0
Yakima (City)	2,919	2,911	0	0	6	2	0

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Table 19. Live Births by Month Prenatal Care Began by Place of Residence, 1993

County and City	Total	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth+	No Care	Unknown
State Total	78,614	14,248	29,317	16,946	6,467	3,349	1,867	1,192	737	322	509	3,660
Adams	340	19	127	88	38	23	17	11	10	1	0	6
Asotin	253	45	108	62	20	6	6	2	1	1	1	1
Benton	1,979	324	655	419	204	129	71	45	39	22	9	62
Kennewick	848	112	253	200	95	60	34	22	25	12	4	31
Richland	472	113	190	81	30	24	10	5	6	4	0	9
Chelan	939	29	249	337	185	54	43	16	1	5	5	15
Wenatchee	461	11	126	162	104	23	18	10	0	1	3	3
Clallam	686	104	339	140	38	21	8	4	2	2	2	26
Port Angeles	241	35	115	52	13	9	2	3	1	0	1	10
Clark	4,147	746	1,508	988	395	220	126	69	38	8	31	18
Vancouver	1,216	231	353	288	163	79	53	24	12	3	8	2
Columbia	47	8	14	12	5	4	0	1	1	0	0	2
Cowlitz	1,209	23	499	425	137	67	30	14	3	2	7	2
Longview	519	4	212	182	59	32	12	11	1	0	5	1
Douglas	440	17	136	153	83	19	16	7	1	0	2	6
Ferry	76	20	30	12	2	9	2	0	0	0	0	1
Franklin	981	108	264	228	102	85	51	44	31	12	5	51
Pasco	629	63	170	134	68	64	36	34	24	5	3	28
Garfield	21	3	10	5	1	1	0	0	0	0	0	1
Grant	1,170	82	378	300	163	93	54	35	31	5	10	19
Grays Harbor	861	179	340	166	67	34	12	9	6	5	18	25
Aberdeen	234	57	88	47	18	10	0	1	1	1	6	5
Island	1,027	319	425	177	46	23	12	7	0	2	0	16
Oak Harbor	470	149	199	83	19	8	9	2	0	0	0	1
Jefferson	236	17	118	56	20	7	4	0	2	1	2	9
King	22,330	4,695	8,287	3,817	1,322	688	384	283	189	93	109	2,463
Auburn	744	85	261	176	79	35	29	12	7	8	4	48
Bellevue	1,132	239	437	235	76	35	20	15	9	7	1	58
Des Moines	176	28	79	28	10	9	5	1	2	0	2	12
Federal Way	1,172	110	369	361	132	61	39	25	20	2	3	50
Kent	1,188	202	386	218	76	52	24	17	15	8	7	183
Kirkland	743	205	274	107	38	11	9	7	4	0	3	85
Mercer Island	147	39	70	24	2	1	1	0	2	0	0	8
Redmond	609	146	250	108	25	12	8	7	5	2	3	43
Renton	862	196	308	137	39	19	10	12	1	2	3	135
Sea Tac	100	18	41	22	3	1	2	1	0	1	0	11
Seattle	6,385	1,429	2,447	880	361	193	93	73	48	19	31	811
Kitsap	3,098	377	1,101	890	364	157	84	56	17	4	20	28
Bremerton	945	82	301	294	130	57	31	33	5	2	8	2
Bainbridge Island	74	26	30	7	2	1	0	0	0	0	0	8
Kittitas	303	96	114	45	23	7	8	6	2	0	0	2
Klickitat	235	25	76	56	25	23	11	4	4	6	1	4

Table 19. Live Births by Month Prenatal Care Began by Place of Residence, 1993

County and City	Total	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth+	No Care	Unknown
Lewis	829	198	331	173	51	30	18	12	2	1	7	6
Lincoln	122	27	45	25	13	4	2	2	0	0	1	3
Mason	497	98	187	105	46	27	13	5	4	1	8	3
Okanogan	585	24	236	136	71	44	28	16	13	5	3	9
Pacific	238	28	91	64	22	14	6	5	0	1	3	4
Pend Oreille	132	18	60	25	13	7	5	0	1	1	1	1
Pierce	10,203	994	3,730	2,862	1,095	612	325	204	131	56	92	102
Puyallup	490	37	175	156	64	27	8	5	4	2	7	5
Tacoma	3,156	314	1,030	906	371	194	142	69	47	20	43	20
San Juan	103	16	36	36	6	3	1	3	2	0	0	0
Skagit	1,268	83	488	365	131	76	40	39	14	12	4	16
Mount Vernon	367	14	134	117	48	22	9	12	4	4	1	2
Skamania	95	11	40	20	11	6	4	1	1	1	0	0
Snohomish	8,025	2,144	3,230	1,340	459	211	124	66	47	17	44	343
Edmonds	375	147	120	52	21	7	5	2	0	1	1	19
Everett	1,817	416	765	316	125	66	40	21	13	7	10	38
Lynnwood	702	228	243	110	39	22	9	9	3	1	8	30
Mountlake Terrace	254	80	94	36	15	5	3	1	1	1	2	16
Spokane	5,767	1,682	2,295	986	295	138	81	36	31	12	30	181
Spokane (City)	3,597	1,127	1,413	562	160	87	60	22	18	6	16	126
Stevens	405	75	159	93	37	15	8	8	6	0	1	3
Thurston	2,441	548	1,256	356	120	55	36	16	8	7	19	20
Lacey	298	73	161	37	9	7	3	2	1	1	3	1
Olympia	654	175	346	73	19	13	11	4	1	1	5	6
Wahkiakum	32	3	18	6	2	2	0	1	0	0	0	0
Walla Walla	705	105	254	176	62	38	23	13	9	7	5	13
Walla Walla (City)	429	56	155	122	30	21	13	9	7	6	2	8
Whatcom	1,977	25	595	735	301	112	42	38	20	4	5	100
Bellingham	708	6	225	251	115	37	11	14	4	0	1	44
Whitman	443	91	212	79	32	10	5	2	0	0	1	11
Pullman	218	37	111	36	15	9	2	0	0	0	0	8
Yakima	4,369	842	1,276	988	460	275	167	112	70	28	63	88
Yakima (City)	1,366	321	426	301	133	70	42	20	13	6	12	22

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Mortality 1993



Table 20. Deaths by Selected Topics, 1993

A. Residence, Race by Sex

Race	Total	Male	Female
Total	40,303	20,842	19,461
White	38,043	19,551	18,492
African American	966	572	394
Native American	459	239	220
Japanese	150	71	79
Chinese	101	55	46
Filipino	177	123	54
Other Asian	378	211	167
Other	0	0	0
Unknown	29	20	9
Hispanic ¹	536	357	179

B. Residence, Infants Deaths by Race

Race	Number
Total	495
White	408
African American	55
Native American	18
Japanese	1
Chinese	3
Filipino	1
Other Asian	8
Other	0
Unknown	1
Hispanic ²	54

C. Residence, Age Group by Sex

Age Group	Total	Male	Female
Total	40,303	20,842	19,461
Under 1	495	272	223
1 - 4	121	71	50
5 - 14	143	87	56
15 - 19	266	198	68
20 - 24	343	274	69
25 - 34	943	707	236
35 - 44	1,567	1,141	426
45 - 54	2,194	1,378	816
55 - 64	3,989	2,417	1,572
65 - 74	8,508	4,910	3,598
75 - 84	11,697	5,966	5,731
85 - 94	8,307	3,056	5,251
95 and Over	1,730	365	1,365

D. Residence, Life Expectancy³ by Age and Sex

Age Group	Total	Male	Female
0 - 1	77.0	74.0	80.0
1 - 5	76.5	73.5	79.5
5 - 10	72.6	69.6	75.6
10 - 15	67.7	64.7	70.6
15 - 20	62.7	59.8	65.7
20 - 25	58.0	55.1	60.8
25 - 30	53.2	50.5	55.9
30 - 35	48.5	45.8	51.1
35 - 40	43.8	41.2	46.2
40 - 45	39.1	36.6	41.4
45 - 50	34.4	32.1	36.6
50 - 55	29.9	27.7	32.0
55 - 60	25.5	23.4	27.5
60 - 65	21.5	19.4	23.3
65 - 70	17.7	15.8	19.3
70 - 75	14.2	12.5	15.6
75 - 80	11.1	9.7	12.2
80 - 85	8.5	7.3	9.3
85 and Over	6.3	5.4	6.8

¹Hispanic Origin is considered an ethnicity rather than a race. Deaths to people of Hispanic Origin are also counted under the race of the decedent. See Appendix A, "Hispanic Origin."

²Deaths to infants of Hispanic Origin are also counted under the race of the infant. See Appendix A, "Hispanic Origin."

³Life expectancy is computed for the age at the beginning of each age interval.

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Table 20. Deaths by Selected Topics, 1993

E. Residence, Leading Causes of Death

Rank	Causes of Death	International List Numbers	Number	Percent ¹
	All Causes		40,303	100
1	Diseases of the Heart	391-3920,393-398,402,404, 410-417,420-429	11,840	29.4
2	Malignant Neoplasms	140-208,230-234	9,904	24.6
3	Cerebrovascular Disease	430-438	3,199	7.9
4	Chr. Obstructive Pulmonary Dis.	490-496	2,247	5.6
5	All Accidents	E800-E949	1,646	4.1
6	Influenza and Pneumonia	480-487	1,590	3.9
7	Diabetes Mellitus	250	963	2.4
8	Suicide	E950-E959	692	1.7
9	Diseases of the Arteries except Arteriosclerosis	441-444,446-448	553	1.4
10	Human Immunodeficiency Virus	042-044	533	1.3
	All Other Causes		7,136	17.7

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Table 20. Deaths by Selected Topics, 1993

F. Residence and Occurrence, Month of Death

Month	Residence	Occurrence
Total	40,303	40,541
January	3,874	3,874
February	3,389	3,378
March	3,748	3,757
April	3,473	3,500
May	3,330	3,345
June	3,015	3,031
July	3,016	3,039
August	3,200	3,223
September	3,015	3,075
October	3,316	3,341
November	3,313	3,356
December	3,614	3,622

G. Residence, Marital Status by Sex

Marital Status	Total	Male	Female
Total	40,303	20,842	19,461
Single	4,144	2,795	1,349
Married	17,107	11,773	5,334
Divorced	4,563	2,583	1,980
Widowed	14,431	3,644	10,787
Unknown	58	47	11

H. Occurrence, Type of Place

Type of Place	Number
Total	40,541
General Hospital	14,778
Nursing Home	12,202
Home	10,988
Federal Facility	818
Psychiatric Hospital	54
Dead on Arrival	38
State Facility	4
Other and Unknown	1,659

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Table 21. Deaths to Residents by Leading Causes and Age Group by Sex, 1993

Age Group with Causes	Total			Male			Female		
	No.	Rate ¹	Pct ²	No.	Rate ¹	Pct ²	No.	Rate ¹	Pct ²
All Ages									
All Causes	40,303	769.0	100.0	20,842	801.5	100.0	19,461	737.0	100.0
Diseases of the Heart (391-3920,393-398,402,404,410-417,420-429)	11,840	225.9	29.4	6,141	236.2	29.5	5,699	215.8	29.3
Malignant Neoplasms (140-208,230-234)	9,904	189.0	24.6	5,241	201.5	25.1	4,663	176.6	24.0
Cerebrovascular Disease (430-438)	3,199	61.0	7.9	1,308	50.3	6.3	1,891	71.6	9.7
Chronic Obstructive Pulmonary Diseases (490-496)	2,247	42.9	5.6	1,162	44.7	5.6	1,085	41.1	5.6
All Accidents (E800-E949)	1,646	31.4	4.1	1,136	43.7	5.5	510	19.3	2.6
Influenza and Pneumonia (480-487)	1,590	30.3	3.9	679	26.1	3.3	911	34.5	4.7
Diabetes Mellitus (250)	963	18.4	2.4	439	16.9	2.1	524	19.8	2.7
Suicide (E950-E959)	692	13.2	1.7	549	21.1	2.6	143	5.4	0.7
Diseases of the Arteries except Arteriosclerosis (441-444,446-448)	553	10.6	1.4	315	12.1	1.5	238	9.0	1.2
Human Immunodeficiency Virus (042-044)	533	10.2	1.3	506	19.5	2.4	27	1.0	0.1
All Other Causes	7,136	136.2	17.7	3,366	129.4	16.2	3,770	142.8	19.4
Under 1									
All Causes	495	623.4	100.0	272	664.3	100.0	223	579.8	100.0
Sudden Infant Death Syndrome (7980)	139	175.1	28.1	72	175.8	26.5	67	174.2	30.0
Congenital Anomalies (740-759)	116	146.1	23.4	64	156.3	23.5	52	135.2	23.3
Certain Conditions in Perinatal Period (760-762,764-766,770-779)	114	143.6	23.0	71	173.4	26.1	43	111.8	19.3
Birth Injuries (763,767-769)	36	45.3	7.3	21	51.3	7.7	15	39.0	6.7
All Accidents (E800-E949)	18	22.7	3.6	14	34.2	5.1	4	10.4	1.8
All Other Causes	72	90.7	14.5	30	73.3	11.0	42	109.2	18.8
1-4									
All Causes	121	37.0	100.0	71	42.4	100.0	50	31.3	100.0
All Accidents (E800-E949)	44	13.4	36.4	29	17.3	40.8	15	9.4	30.0
Congenital Anomalies (740-759)	18	5.5	14.9	10	6.0	14.1	8	5.0	16.0
Malignant Neoplasms (140-208,230-234)	14	4.3	11.6	8	4.8	11.3	6	3.8	12.0
Homicide (E960-E969)	4	1.2	3.3	1	0.6	1.4	3	1.9	6.0
Septicemia (038)	2	0.6	1.7	1	0.6	1.4	1	0.6	2.0
All Other Causes	39	11.9	32.2	22	13.1	31.0	17	10.6	34.0
5-14									
All Causes	143	18.3	100.0	87	21.7	100.0	56	14.7	100.0
All Accidents (E800-E949)	46	5.9	32.2	28	7.0	32.2	18	4.7	32.1
Malignant Neoplasms (140-208,230-234)	26	3.3	18.2	14	3.5	16.1	12	3.2	21.4
Homicide (E960-E969)	17	2.2	11.9	10	2.5	11.5	7	1.8	12.5
Suicide (E950-E959)	9	1.2	6.3	6	1.5	6.9	3	0.8	5.4
Congenital Anomalies (740-759)	8	1.0	5.6	5	1.2	5.7	3	0.8	5.4
All Other Causes	37	4.7	25.9	24	6.0	27.6	13	3.4	23.2
15-19									
All Causes	266	79.2	100.0	198	114.0	100.0	68	41.9	100.0
All Accidents (E800-E949)	144	42.9	54.1	109	62.7	55.1	35	21.6	51.5
Homicide (E960-E969)	40	11.9	15.0	33	19.0	16.7	7	4.3	10.3
Suicide (E950-E959)	28	8.3	10.5	20	11.5	10.1	8	4.9	11.8
Malignant Neoplasms (140-208,230-234)	17	5.1	6.4	12	6.9	6.1	5	3.1	7.4
Undetermined External Injuries (E980-E989)	7	2.1	2.6	5	2.9	2.5	2	1.2	2.9
All Other Causes	30	8.9	11.3	19	10.9	9.6	11	6.8	16.2
20-24									
All Causes	343	93.6	100.0	274	144.7	100.0	69	39.0	100.0
All Accidents (E800-E949)	151	41.2	44.0	128	67.6	46.7	23	13.0	33.3
Suicide (E950-E959)	63	17.2	18.4	50	26.4	18.2	13	7.3	18.8
Homicide (E960-E969)	42	11.5	12.2	35	18.5	12.8	7	4.0	10.1
Malignant Neoplasms (140-208,230-234)	29	7.9	8.5	20	10.6	7.3	9	5.1	13.0
Diseases of the Heart (391-3920,393-398,402,404,410-417,420-429)	10	2.7	2.9	7	3.7	2.6	3	1.7	4.3
All Other Causes	48	13.1	14.0	34	17.9	12.4	14	7.9	20.3

Table 21. Deaths to Residents by Leading Causes and Age Group by Sex, 1993

Age Group with Causes	Total			Male			Female		
	No.	Rate ¹	Pct ²	No.	Rate ¹	Pct ²	No.	Rate ¹	Pct ²
25 - 34									
All Causes	943	109.9	100.0	707	164.4	100.0	236	55.1	100.0
All Accidents (E800-E949)	250	29.1	26.5	188	43.7	26.6	62	14.5	26.3
Human Immunodeficiency Virus (042-044)	175	20.4	18.6	165	38.4	23.3	10	2.3	4.2
Suicide (E950-E959)	157	18.3	16.6	125	29.1	17.7	32	7.5	13.6
Homicide (E960-E969)	78	9.1	8.3	54	12.6	7.6	24	5.6	10.2
Malignant Neoplasms (140-208,230-234)	78	9.1	8.3	42	9.8	5.9	36	8.4	15.3
All Other Causes	205	23.9	21.7	133	30.9	18.8	72	16.8	30.5
35 - 44									
All Causes	1,567	176.5	100.0	1,141	256.3	100.0	426	96.2	100.0
Malignant Neoplasms (140-208,230-234)	294	33.1	18.8	145	32.6	12.7	149	33.7	35.0
All Accidents (E800-E949)	268	30.2	17.1	218	49.0	19.1	50	11.3	11.7
Human Immunodeficiency Virus (042-044)	222	25.0	14.2	211	47.4	18.5	11	2.5	2.6
Diseases of the Heart (391-3920,393-398,402,404,410-417,420-429)	200	22.5	12.8	163	36.6	14.3	37	8.4	8.7
Suicide (E950-E959)	130	14.6	8.3	107	24.0	9.4	23	5.2	5.4
All Other Causes	453	51.0	28.9	297	66.7	26.0	156	35.2	36.6
45 - 54									
All Causes	2,194	363.2	100.0	1,378	453.1	100.0	816	272.0	100.0
Malignant Neoplasms (140-208,230-234)	797	131.9	36.3	397	130.5	28.8	400	133.3	49.0
Diseases of the Heart (391-3920,393-398,402,404,410-417,420-429)	451	74.7	20.6	338	111.1	24.5	113	37.7	13.8
All Accidents (E800-E949)	163	27.0	7.4	118	38.8	8.6	45	15.0	5.5
Suicide (E950-E959)	107	17.7	4.9	80	26.3	5.8	27	9.0	3.3
Human Immunodeficiency Virus (042-044)	101	16.7	4.6	100	32.9	7.3	1	0.3	0.1
All Other Causes	575	95.2	26.2	345	113.4	25.0	230	76.7	28.2
55 - 64									
All Causes	3,989	1018.8	100.0	2,417	1257.2	100.0	1,572	788.9	100.0
Malignant Neoplasms (140-208,230-234)	1,588	405.6	39.8	863	448.9	35.7	725	363.8	46.1
Diseases of the Heart (391-3920,393-398,402,404,410-417,420-429)	1,109	283.2	27.8	801	416.6	33.1	308	154.6	19.6
Chronic Obstructive Pulmonary Diseases (490-496)	215	54.9	5.4	106	55.1	4.4	109	54.7	6.9
Cerebrovascular Disease (430-438)	181	46.2	4.5	103	53.6	4.3	78	39.1	5.0
Diabetes Mellitus (250)	125	31.9	3.1	72	37.5	3.0	53	26.6	3.4
All Other Causes	771	196.9	19.3	472	245.5	19.5	299	150.0	19.0
65 - 74									
All Causes	8,508	2447.7	100.0	4,910	3107.9	100.0	3,598	1897.5	100.0
Malignant Neoplasms (140-208,230-234)	3,003	863.9	35.3	1,672	1058.3	34.1	1,331	702.0	37.0
Diseases of the Heart (391-3920,393-398,402,404,410-417,420-429)	2,441	702.3	28.7	1,559	986.8	31.8	882	465.2	24.5
Chronic Obstructive Pulmonary Diseases (490-496)	726	208.9	8.5	381	241.2	7.8	345	181.9	9.6
Cerebrovascular Disease (430-438)	481	138.4	5.7	259	163.9	5.3	222	117.1	6.2
Diabetes Mellitus (250)	255	73.4	3.0	117	74.1	2.4	138	72.8	3.8
All Other Causes	1,602	460.9	18.8	922	583.6	18.8	680	358.6	18.9
75 - 84									
All Causes	11,697	5899.7	100.0	5,966	7439.2	100.0	5,731	4854.0	100.0
Diseases of the Heart (391-3920,393-398,402,404,410-417,420-429)	3,751	1891.9	32.1	1,983	2472.7	33.2	1,768	1497.5	30.8
Malignant Neoplasms (140-208,230-234)	2,858	1441.5	24.4	1,526	1902.8	25.6	1,332	1128.2	23.2
Cerebrovascular Disease (430-438)	1,122	565.9	9.6	515	642.2	8.6	607	514.1	10.6
Chronic Obstructive Pulmonary Diseases (490-496)	886	446.9	7.6	471	587.3	7.9	415	351.5	7.2
Influenza and Pneumonia (480-487)	488	246.1	4.2	240	299.3	4.0	248	210.1	4.3
All Other Causes	2,592	1307.3	22.2	1,231	1535.0	20.6	1,361	1152.7	23.7
85 and Over									
All Causes	10,037	15862.8	100.0	3,421	18600.5	100.0	6,616	14740.9	100.0
Diseases of the Heart (391-3920,393-398,402,404,410-417,420-429)	3,818	6034.1	38.0	1,253	6812.7	36.6	2,565	5715.0	38.8
Cerebrovascular Disease (430-438)	1,296	2048.2	12.9	361	1962.8	10.6	935	2083.2	14.1
Malignant Neoplasms (140-208,230-234)	1,199	1894.9	11.9	541	2941.5	15.8	658	1466.1	9.9
Influenza and Pneumonia (480-487)	791	1250.1	7.9	261	1419.1	7.6	530	1180.9	8.0
Chronic Obstructive Pulmonary Diseases (490-496)	342	540.5	3.4	160	869.9	4.7	182	405.5	2.8
All Other Causes	2,591	4094.9	25.8	845	4594.4	24.7	1,746	3890.2	26.4

¹Rate per 100,000 population in each age-sex group

²Percent of total deaths in each age-sex group. Detail may not add up to 100 percent due to rounding.

Table 22. Deaths to Residents by Selected Causes¹ by Sex, 1993

Cause with International List Number	Total		Male		Female	
	Number	Rate ²	Number	Rate ²	Number	Rate ²
Total All Causes	(40,303)	(769.0)	(20,842)	(801.5)	(19,461)	(737.0)
Infectious and Parasitic Diseases	(1,011)	(19.3)	(732)	(28.1)	(279)	(10.6)
Tuberculosis (010-018,137)	20	0.4	18	0.7	2	0.1
Septicemia (038)	225	4.3	93	3.6	132	5.0
Human Immunodeficiency Virus (042-044)	533	10.2	506	19.5	27	1.0
Other (000-139)	233	4.4	115	4.4	118	4.5
Neoplasms	(9,995)	(190.7)	(5,278)	(203.0)	(4,717)	(178.6)
Malignant Neoplasms (140-208,230-234)	9,904	189.0	5,241	201.5	4,663	176.6
Benign and Unspecified Neoplasms (210-229,235-239)	91	1.7	37	1.4	54	2.0
Endocrine, Nutritional, Metabolic Disease and Immunity Disorders	(1,360)	(25.9)	(616)	(23.7)	(744)	(28.2)
Diabetes Mellitus (250)	963	18.4	439	16.9	524	19.8
Nutritional Deficiencies (260-269)	81	1.5	33	1.3	48	1.8
Other (240-279)	316	6.0	144	5.5	172	6.5
Diseases of Blood and Blood-Forming Organs	(140)	(2.7)	(71)	(2.7)	(69)	(2.6)
Anemia (280-285)	40	0.8	18	0.7	22	0.8
Other (286-289)	100	1.9	53	2.0	47	1.8
Mental Disorders	(830)	(15.8)	(315)	(12.1)	(515)	(19.5)
Alcohol-Related (291,303,305)	134	2.6	93	3.6	41	1.6
Other (290-319)	696	13.3	222	8.5	474	18.0
Diseases of the Nervous System and Sense Organs	(1,117)	(21.3)	(506)	(19.5)	(611)	(23.1)
Parkinson's Disease (332)	290	5.5	156	6.0	134	5.1
Amyotrophic Lateral Sclerosis (335.2)	88	1.7	41	1.6	47	1.8
Other Hereditary and Degenerative Diseases of the Central Nervous System (330-337)	513	9.8	199	7.7	314	11.9
Multiple Sclerosis (340)	73	1.4	29	1.1	44	1.7
Other (320-326,340-389)	153	2.9	81	3.1	72	2.7
Diseases of the Circulatory System	(16,218)	(309.5)	(8,013)	(308.1)	(8,205)	(310.7)
Diseases of the Heart (391-392.0,393-398,402,404,410-417,420-429)	(11,840)	(225.9)	(6,141)	(236.2)	(5,699)	(215.8)
Chronic Rheumatic Heart Disease (391-392.0,393-398)	126	2.4	33	1.3	93	3.5
Hypertensive Heart Disease (402)	285	5.4	106	4.1	179	6.8
Hypertensive Heart and Renal Disease (404)	35	0.7	12	0.5	23	0.9
Acute Ischemic Heart Disease (410,411)	3,427	65.4	1,929	74.2	1,498	56.7
Chronic Ischemic Heart Disease (412-414)	3,980	75.9	2,163	83.2	1,817	68.8
Other Heart Disease (415-417,420-429)	3,987	76.1	1,898	73.0	2,089	79.1
Hypertensive Disease (401,403)	196	3.7	82	3.2	114	4.3
Cerebrovascular Disease (430-438)	3,199	61.0	1,308	50.3	1,891	71.6
Arteriosclerosis (440)	388	7.4	147	5.7	241	9.1
Other (390-459)	595	11.4	335	12.9	260	9.8
Diseases of the Respiratory System	(4,277)	(81.6)	(2,062)	(79.3)	(2,215)	(83.9)
Chronic and Unqualified Bronchitis (490-491)	66	1.3	39	1.5	27	1.0
Emphysema (492)	360	6.9	190	7.3	170	6.4
Asthma (493)	105	2.0	41	1.6	64	2.4
Other Chronic Obstructive Pulmonary Diseases (494-496)	1,716	32.7	892	34.3	824	31.2
Pneumonia (480-486)	1,541	29.4	660	25.4	881	33.4
Influenza (488)	49	0.9	19	0.7	30	1.1
Other (460-478,500-519)	440	8.4	221	8.5	219	8.3

Table 22. Deaths to Residents by Selected Causes¹ by Sex, 1993

Cause with International List Number	Total		Male		Female	
	Number	Rate ²	Number	Rate ²	Number	Rate ²
Diseases of the Digestive System	(1,403)	(26.8)	(707)	(27.2)	(696)	(26.4)
Ulcer of Stomach and Duodenum (531-533)	112	2.1	56	2.2	56	2.1
Hernia and Intestinal Obstruction (550-553,560)	125	2.4	47	1.8	78	3.0
Cirrhosis of the Liver (571)	456	8.7	278	10.7	178	6.7
Cholelithiasis, Cholecystitis, and Cholangitis (574-574)	63	1.2	37	1.4	26	1.0
Other (520-579)	647	12.3	289	11.1	358	13.6
Diseases of the Genitourinary System	(400)	(7.6)	(192)	(7.4)	(208)	(7.9)
Nephritis, Nephrotic Syndrome, and Nephrosis (580-589)	169	3.2	94	3.6	75	2.8
Other (590-629)	231	4.4	98	3.8	133	5.0
Complications of Pregnancy, Childbirth, and the Puerperium (630-676)	(6)	(0.1)	0	0.0	(6)	(0.2)
Diseases of the Skin and Subcutaneous Tissue (680-709)	(39)	(0.7)	(14)	(0.5)	(25)	(0.9)
Diseases of the Musculoskeletal System and Connective Tissue (710-739)	(163)	(3.1)	(37)	(1.4)	(126)	(4.8)
Congenital Anomalies (740-759)	(234)	(4.5)	(130)	(5.0)	(104)	(3.9)
Birth Injuries, Difficult Labor, and Other Anoxic and Hypoxic Conditions (763,767-769)	(36)	(0.7)	(21)	(0.8)	(15)	(0.6)
Certain Conditions Originating in Perinatal Period (760-762,764-766,770-779)	(115)	(2.2)	(72)	(2.8)	(43)	(1.6)
Symptoms, Signs, and Other Ill-Defined Conditions	(233)	(4.4)	(111)	(4.3)	(122)	(4.6)
Sudden Infant Death Syndrome (798.0)	139	2.7	72	2.8	67	2.5
Other (780-799)	94	1.8	39	1.5	55	2.1
Accidents	(1,646)	(31.4)	(1,136)	(43.7)	(510)	(19.3)
Motor Vehicle (E810-E825,E929.0)	727	13.9	499	19.2	228	8.6
Water Transport (E830-E838)	(28)	(0.5)	(27)	(1.0)	(1)	0.0
Drownings Due To (E830,E832)	21	0.4	20	0.8	1	0.0
Other Water Transport (E831,E833-E838)	7	0.1	7	0.3	0	0.0
Air and Space Transport (E840-E845)	25	0.5	20	0.8	5	0.2
Accidental Poisoning (E850-E869,E929.2)	187	3.6	147	5.7	40	1.5
Falls (E880-E888,E929.3)	315	6.0	175	6.7	140	5.3
Fire (E890-E898,E929.4)	60	1.1	38	1.5	22	0.8
Accidental Drowning (E910)	67	1.3	55	2.1	12	0.5
Other (E800-E949)	237	4.5	175	6.7	62	2.3
Suicide (E950-E959)	(692)	(13.2)	(549)	(21.1)	(143)	(5.4)
Firearms and Explosives (E955)	429	8.2	361	13.9	68	2.6
Other (E950-E954,E956-E959)	263	5.0	188	7.2	75	2.8
Homicide (E960-E969)	(274)	(5.2)	(192)	(7.4)	(82)	(3.1)
Firearms and Explosives (E965)	167	3.2	131	5.0	36	1.4
Other (E960-E964,E966-E969)	107	2.0	61	2.3	46	1.7
Legal Intervention (E970-E978)	(7)	(0.1)	(7)	(0.3)	0	0.0
Undetermined External Injuries (E980-E989)	(106)	(2.0)	(80)	(3.1)	(26)	(1.0)
Injury Resulting from Operations of War (E990-E999)	(1)	0.0	(1)	0.0	0	0.0

¹Group totals are shown in parentheses.

²Rates per 100,000 population

S00810C-HDE/DEAA03M2

Table 23. Deaths to Residents Due to Malignant Neoplasm by Primary Site¹ by Sex, 1993

Cause with International List Number	Total		Male		Female	
	Number	Rate ²	Number	Rate ²	Number	Rate ²
Total All Causes	(9,904)	(189.0)	(5,241)	(201.5)	(4,663)	(176.6)
Lip, Oral Cavity, and Pharynx (140-149,230.0)	(155)	(3.0)	(94)	(3.6)	(61)	(2.3)
Digestive Organs and Peritoneum (150-159,230.1-230.9)	(2,244)	(42.8)	(1,168)	(44.9)	(1,076)	(40.8)
Esophagus (150,230.1)	205	3.9	156	6.0	49	1.9
Stomach (151,230.2)	225	4.3	137	5.3	88	3.3
Small Intestine, Including Duodenum (152)	32	0.6	17	0.7	15	0.6
Colon (153,230.3)	788	15.0	392	15.1	396	15.0
Rectum (154,230.4-230.6)	178	3.4	88	3.4	90	3.4
Liver and Intrahepatic Ducts (155,230.8)	190	3.6	113	4.3	77	2.9
Gallbladder and Extrahepatic Bile Ducts (156)	69	1.3	18	0.7	51	1.9
Pancreas (157)	502	9.6	229	8.8	273	10.3
Retroperitoneum and Peritoneum (158)	17	0.3	6	0.2	11	0.4
Other and Ill-Defined Sites (159,230.7,230.9)	38	0.7	12	0.5	26	1.0
Respiratory and Intrathoracic Organs (160-165,231)	(3,040)	(58.0)	(1,862)	(71.6)	(1,178)	(44.6)
Lung (162,231.1,231.2)	2,932	55.9	1,776	68.3	1,156	43.8
Other and Ill-Defined Sites (160-161,163-165,231.0,231.8,231.9)	108	2.1	86	3.3	22	0.8
Bone, Connective Tissue, Skin and Breast (170-175,232,233.0)	(1,078)	(20.6)	(172)	(6.6)	(906)	(34.3)
Bone and Articular Cartilage (170)	28	0.5	18	0.7	10	0.4
Connective Tissue and Other Soft Tissue (171)	73	1.4	41	1.6	32	1.2
Skin (172-173,232)	162	3.1	109	4.2	53	2.0
Breast (174,175,233.0)	815	15.6	4	0.2	811	30.7
Genital Organs (179-187,233.1-233.6)	(1,164)	(22.2)	(699)	(26.9)	(465)	(17.6)
Urinary Organs (188-189,233.7-233.9)	(399)	(7.6)	(266)	(10.2)	(133)	(5.0)
Brain (191)	(289)	(5.5)	(166)	(6.4)	(123)	(4.7)
Other and Ill-Defined Sites (190,192-199,234)	(525)	(10.0)	(247)	(9.5)	(278)	(10.5)
Lymphatic and Hematopoietic Tissue (200-208)	(1,010)	(19.3)	(567)	(21.8)	(443)	(16.8)
Lymphosarcoma (200)	26	0.5	17	0.7	9	0.3
Hodgkins Disease (201)	32	0.6	17	0.7	15	0.6
Lymphoid and Histiocytic Tissue (202)	352	6.7	186	7.2	166	6.3
Multiple Myeloma and Immunoproliferative Tissue (203)	196	3.7	104	4.0	92	3.5
Lymphoid Leukemia (204)	149	2.8	89	3.4	60	2.3
Myeloid Leukemia (205)	225	4.3	134	5.2	91	3.4
Monocytic Leukemia (206)	11	0.2	7	0.3	4	0.2
Other and Unspecified Leukemia (207-208)	19	0.4	13	0.5	6	0.2

¹Group totals are shown in parentheses.

²Rates per 100,000 population

SO2640A-HDE/DEAA04M1

Table 24. Deaths to Residents by Non-Transport Causes by Place of Accident, 1993

Cause of Death	Total	Nursing					
		Home	Home	Agriculture	Industry	Public	Unknown
State Total	845	412	66	12	15	161	179
Poisoning by Drugs, Medicaments and Biologicals (E850-E858)	164	120	0	0	1	33	10
Poisoning by Other Solid and Liquid Substances, Gases and Vapors (E860-E869)	20	9	0	0	1	7	3
Misadventures and Abnormal Reactions Due to Surgical and Medical Care (E870-E879)	19	0	0	0	0	13	6
Falls (E880-E888, E929.3) ¹	(315)	(147)	(54)	0	(5)	(34)	(75)
Falls on/from Stairs or Ladders (E880-E881)	34	27	0	0	2	1	4
Falls from One Level to Another (E882-E884)	62	21	5	0	2	21	13
Falls on Same Level (E885-E886)	19	12	1	0	0	0	6
Other and Unspecified Fall (E887-E888)	187	87	48	0	1	12	39
Late Effects of Accidental Falls (E929.3)	13	0	0	0	0	0	13
Fire (E890-E899, E929.4)	60	43	0	0	1	1	15
Natural and Environmental Factors (E900-E909, E929.5)	22	6	0	1	1	9	5
Drowning, Excluding Submersion Following Boating Accidents (E910)	67	25	0	1	0	32	9
Inhalation and Ingestion of Food or Other Object Causing Suffocation and Obstruction (E911-E912)	39	8	8	0	0	9	14
Mechanical Suffocation (E913)	30	15	2	0	0	4	9
Foreign Body Entering Other Orifice (E914-E915)	1	0	0	0	0	0	1
Struck by, Against or Between Objects (E916-E918)	30	16	0	1	2	7	4
Machinery (E919-E920)	22	2	0	9	3	3	5
Explosion and Explosive Material (E921, E923)	8	5	0	0	1	2	0
Firearms (E922)	15	11	0	0	0	3	1
Hot Substance, Corrosive Liquid and Steam (E924)	1	1	0	0	0	0	0
Electricity (E925)	6	2	0	0	0	3	1
Other Non-Transport Late Effects (E929.2, E929.8-E929.9)	14	0	1	0	0	0	13
Other and Unspecified Non-Transport Accidents (E926-E928, E930-E949)	12	2	1	0	0	1	8

¹Group totals for falls are shown in parentheses.

S00840D-HDE/DEAA05M1

Table 25. Deaths by Place of Residence and Occurrence, 1993

County and City	Residence		Occurrence	
	Total	Rate ¹	Total	Rate ¹
State Total	40,303	7.7	40,541	7.7
Adams	105	7.3	100	7.0
Asotin	233	12.7	202	11.0
Benton	773	6.3	693	5.6
Kennewick	314	7.0	319	7.1
Richland	224	6.6	264	7.7
Chelan	536	9.6	654	11.7
Wenatchee	276	12.0	472	20.5
Clallam	684	11.1	636	10.4
Port Angeles	217	11.9	356	19.5
Clark	1,930	7.2	1,740	6.5
Vancouver	774	14.0	1,428	25.8
Columbia	53	12.9	36	8.8
Cowlitz	812	9.4	867	10.1
Longview	350	10.7	754	23.1
Douglas	198	6.9	111	3.9
Ferry	61	8.8	51	7.4
Franklin	281	6.8	282	6.9
Pasco	207	9.7	263	12.3
Garfield	31	13.5	25	10.9
Grant	475	7.9	385	6.4
Grays Harbor	751	11.3	598	9.0
Aberdeen	210	12.6	339	20.3
Island	443	6.7	332	5.0
Oak Harbor	83	4.4	97	5.1
Jefferson	232	9.9	183	7.8
King	11,524	7.3	12,636	8.0
Auburn	297	8.6	419	12.1
Bellevue	667	7.4	802	8.9
Des Moines	219	11.3	289	14.9
Federal Way	331	4.4	352	4.7
Kent	284	6.9	228	5.5
Kirkland	320	7.7	666	16.0
Mercer Island	138	6.5	83	3.9
Redmond	221	5.5	323	8.1
Renton	365	8.4	731	16.8
Sea Tac	67	2.9	49	2.1
Seattle	5,529	10.5	7,769	14.7
Kitsap	1,380	6.6	1,304	6.2
Bremerton	368	10.1	821	22.6
Bainbridge Island	3	0.2	6	0.3
Kittitas	220	7.5	204	7.0
Klickitat	149	8.5	126	7.2

Table 25. Deaths by Place of Residence and Occurrence, 1993

County and City	Residence		Occurrence	
	Total	Rate ¹	Total	Rate ¹
Lewis	671	10.7	608	9.7
Lincoln	107	11.6	68	7.4
Mason	421	9.8	296	6.9
Okanogan	340	9.6	305	8.6
Pacific	282	14.2	221	11.2
Pend Oreille	107	10.6	88	8.7
Pierce	4,625	7.2	4,670	7.3
Puyallup	245	9.4	726	27.8
Tacoma	1,903	10.5	3,445	19.0
San Juan	110	9.2	77	6.5
Skagit	846	9.6	864	9.8
Mount Vernon	199	9.7	317	15.5
Skamania	68	7.6	47	5.2
Snohomish	3,275	6.4	2,954	5.8
Edmonds	301	9.7	529	17.1
Everett	757	9.8	1,127	14.6
Lynnwood	271	9.2	248	8.4
Mountlake Terrace	88	4.4	32	1.6
Spokane	3,415	8.9	3,950	10.3
Spokane (City)	2,053	11.2	3,671	20.0
Stevens	254	7.6	192	5.7
Thurston	1,280	7.1	1,391	7.7
Lacey	221	9.8	201	8.9
Olympia	412	11.3	1,028	28.1
Wahkiakum	53	15.1	41	11.7
Walla Walla	528	10.2	623	12.0
Walla Walla (City)	362	12.6	536	18.6
Whatcom	1,090	7.7	1,124	8.0
Bellingham	588	10.6	839	15.1
Whitman	244	6.2	187	4.7
Pullman	61	2.6	65	2.8
Yakima	1,716	8.7	1,670	8.5
Yakima (City)	693	11.6	1,145	19.2

¹Rates per 1,000 population

S06410J-HDE/DEAA06P1

Table 26. Age-Adjusted Death Rates¹ from All Causes by Sex, 1984 - 1993

County	Total			Males			Females		
	Number of Deaths	Death Rate	Std.Err.	Number of Deaths	Death Rate	Std.Err.	Number of Deaths	Death Rate	Std.Err.
State Total	381,909	470.5	0.8	188,809	601.1	1.3	173,100	361.1	1.0
Adams	1,044	494.5	15.8	567	617.9	25.1	477	382.5	19.1
Asotin	1,860	489.2	13.5	954	638.0	22.6	906	365.5	15.4
Benton	6,884	453.0	5.3	3,657	567.2	8.6	3,227	358.4	6.6
Chelan	5,046	469.5	7.6	2,639	608.7	12.6	2,407	348.4	8.9
Clallam	5,989	471.2	7.3	3,147	580.3	11.4	2,842	372.9	8.9
Clark	16,142	479.0	3.8	8,619	617.0	6.3	7,523	364.5	4.6
Columbia	510	490.2	26.4	257	642.5	44.8	253	365.7	29.3
Cowlitz	7,158	500.7	6.3	3,766	629.8	10.2	3,392	388.9	7.6
Douglas	1,877	461.9	11.0	1,061	600.0	17.8	816	335.2	12.9
Ferry	459	575.2	27.0	273	712.4	42.4	186	425.8	32.3
Franklin	2,515	517.0	10.2	1,408	653.6	16.4	1,107	389.3	12.2
Garfield	298	423.5	29.7	153	504.8	44.5	145	363.8	40.7
Grant	4,075	478.2	7.7	2,318	590.7	12.0	1,757	372.4	9.5
Grays Harbor	7,048	572.0	7.5	3,778	712.9	11.9	3,270	446.5	9.2
Island	4,006	429.7	7.0	2,155	524.6	11.1	1,851	341.5	8.4
Jefferson	1,919	427.4	11.5	1,057	546.3	19.0	862	315.2	13.1
King	105,652	457.9	1.5	53,825	591.9	2.4	51,827	350.0	1.8
Kitsap	12,413	450.0	4.2	6,387	555.4	6.6	6,026	361.0	5.2
Kittitas	2,132	462.2	11.1	1,157	595.5	17.9	975	345.9	13.2
Klickitat	1,458	503.8	14.4	822	636.2	22.5	636	388.4	17.7
Lewis	6,032	515.1	7.5	3,209	667.7	12.3	2,823	380.5	8.8
Lincoln	1,094	482.2	19.0	574	578.8	29.6	520	396.9	24.2
Mason	3,515	483.8	8.8	1,950	589.7	13.6	1,565	378.8	10.9
Okanogan	3,203	521.1	10.1	1,796	675.6	16.4	1,407	378.2	11.7
Pacific	2,507	544.0	13.0	1,361	683.1	21.0	1,146	420.4	15.5
Pend Oreille	894	565.8	20.5	503	706.5	33.0	391	431.6	24.5
Pierce	41,733	502.8	2.5	21,839	643.2	4.1	19,894	387.3	3.0
San Juan	840	356.5	15.6	455	464.3	26.4	385	262.1	17.0
Skagit	7,258	468.1	6.1	3,770	590.1	10.0	3,488	358.9	7.2
Skamania	549	474.6	20.2	326	604.1	32.6	223	352.9	23.8
Snohomish	27,850	463.1	2.8	14,614	587.7	4.5	13,236	359.5	3.4
Spokane	31,296	481.3	3.0	15,962	629.2	4.9	15,334	364.6	3.5
Stevens	2,523	491.0	10.6	1,427	642.2	17.4	1,096	349.0	12.1
Thurston	11,096	442.1	4.4	5,740	566.6	7.2	5,356	343.3	5.3
Wahkiakum	376	457.4	27.7	199	564.9	44.0	177	358.5	33.6
Walla Walla	4,948	462.9	7.7	2,545	608.3	12.7	2,403	335.6	8.9
Whatcom	9,383	415.0	4.7	4,733	527.0	7.6	4,650	321.3	5.6
Whitman	2,119	385.2	9.2	1,130	481.9	14.5	989	301.9	11.4
Yakima	16,208	506.9	4.3	8,676	651.3	7.1	7,532	381.4	5.2

¹Rates per 100,000 population. Age adjustment is to the 1940 U.S. population.

ALL_8493

Table 27. Deaths Occurring Within State by Month of Death by Selected Causes, 1993

Cause of Death and International List Number	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total All Causes	40,541	3,874	3,378	3,757	3,500	3,345	3,031	3,039	3,223	3,075	3,341	3,356	3,622
Infectious and Parasitic Diseases (001-139)	1,019	98	83	75	84	87	75	70	78	86	105	85	93
Malignant Neoplasms (140-208, 230-234)	10,038	889	822	866	844	826	775	809	859	791	878	835	844
Diabetes (250)	967	77	74	86	98	92	67	73	80	75	71	75	99
Diseases of the Heart (391-392.0, 393-398, 402, 404, 410-417, 420-429)	11,881	1,184	970	1,138	1,038	984	881	868	933	872	902	1,032	1,079
Cerebrovascular Disease (430-438)	3,218	337	260	296	268	281	231	235	232	266	242	275	295
Pneumonia (480-486)	1,546	202	147	190	139	121	109	95	102	70	108	107	156
Influenza (487)	49	8	9	8	4	0	0	1	0	0	1	0	18
Bronchitis (490-491)	67	10	9	9	5	4	2	4	1	4	8	4	7
Emphysema (492)	367	32	34	35	34	33	34	21	27	25	29	27	36
Asthma (493)	103	12	5	12	6	3	7	10	5	8	9	17	9
Other Chronic Obstructive Diseases (494-496)	1,725	183	136	161	162	163	126	120	134	110	121	138	171
Congenital Anomalies (740-759)	233	20	13	18	27	20	12	16	17	16	26	22	26
Certain Conditions in Perinatal Period (760-779)	161	10	23	14	12	12	16	12	8	16	17	10	11
Other Diseases (001-799)	6,437	603	609	616	555	482	461	458	470	520	577	501	585
Motorcycle Accidents (E810.2-.3 - E825.2-.3)	42	1	2	4	2	6	2	5	4	6	6	3	1
Other Motor Vehicle Accidents (E810-E825)	662	46	43	41	54	49	46	58	68	75	74	60	48
Late Effects of Motor Vehicle Accidents (E929.0)	9	2	0	2	0	0	0	1	0	2	1	0	1
Drowning Due to Water Transport Accidents (E830, E832)	21	1	2	1	2	2	1	4	4	2	0	0	2
Accidental Drowning (E910)	71	2	4	1	3	10	9	11	13	6	3	2	7
Falls (E880-E888, E929.3)	314	26	24	25	22	29	28	26	29	14	33	32	26
Fire (E890-E899, E929.4)	61	11	5	3	1	4	2	4	2	11	5	10	3
Other Accidents (E800-E949)	461	46	27	34	47	39	49	34	40	33	40	39	33
Suicide (E950-E959)	689	47	54	79	69	63	62	65	71	31	55	51	42
Homicide (E960-E969)	280	18	17	31	15	25	30	28	29	23	24	21	19
Other External Events (E970-E999)	120	9	6	12	9	10	6	11	17	13	6	10	11

S00810F-HDE/DEAA14M1

Table 28. Deaths by Sex and Race by Place of Residence, 1993

County and City	Total	Male	Female	White	African Amer.	Native Amer.	Japa-nese	Chinese	Filipino	Other Asian	Unk.	Hispanic ¹
State Total	40,303	20,842	19,461	38,043	966	459	150	101	177	378	29	536
Adams	105	55	50	103	2	0	0	0	0	0	0	16
Asotin	233	113	120	232	0	0	0	0	0	1	0	0
Benton	773	383	390	756	5	4	0	1	0	5	2	20
Kennewick	314	151	163	308	2	2	0	0	0	1	1	9
Richland	224	112	112	218	3	0	0	0	0	2	1	1
Chelan	536	294	242	532	2	0	2	0	0	0	0	6
Wenatchee	276	149	127	273	1	0	2	0	0	0	0	1
Clallam	684	342	342	665	2	12	0	2	1	1	1	5
Port Angeles	217	98	119	213	1	1	0	2	0	0	0	0
Clark	1,930	984	946	1,890	20	3	1	2	2	12	0	10
Vancouver	774	367	407	757	10	0	0	0	2	5	0	7
Columbia	53	26	27	53	0	0	0	0	0	0	0	1
Cowlitz	812	432	380	800	3	4	0	1	1	1	2	4
Longview	350	166	184	345	2	0	0	1	0	1	1	1
Douglas	198	116	82	196	0	0	0	0	0	0	2	10
Ferry	61	32	29	48	0	13	0	0	0	0	0	1
Franklin	281	172	109	263	16	2	0	0	0	0	0	28
Pasco	207	121	86	191	15	1	0	0	0	0	0	22
Garfield	31	16	15	31	0	0	0	0	0	0	0	0
Grant	475	286	189	460	7	3	0	1	2	0	2	31
Grays Harbor	751	391	360	728	0	18	0	1	3	1	0	1
Aberdeen	210	95	115	206	0	2	0	1	1	0	0	0
Island	443	253	190	437	0	3	2	0	1	0	0	1
Oak Harbor	83	44	39	80	0	2	0	0	1	0	0	1
Jefferson	232	134	98	224	0	7	1	0	0	0	0	1
King	11,524	5,950	5,574	10,343	579	92	109	72	110	213	6	121
Auburn	297	138	159	285	0	5	1	0	1	4	1	1
Bellevue	667	343	324	638	10	1	4	1	1	10	2	6
Des Moines	219	94	125	206	4	2	0	0	4	3	0	3
Federal Way	331	175	156	298	14	2	2	0	1	13	1	6
Kent	284	175	109	255	13	3	5	0	3	5	0	4
Kirkland	320	157	163	306	9	0	0	0	4	1	0	3
Mercer Island	138	74	64	130	1	0	1	2	0	4	0	1
Redmond	221	103	118	220	0	0	0	0	0	1	0	0
Renton	365	179	186	322	17	3	6	1	6	10	0	1
Sea Tac	67	39	28	65	1	0	0	0	0	1	0	1
Seattle	5,529	2,871	2,658	4,670	465	49	80	63	76	125	1	66
Kitsap	1,380	707	673	1,326	16	10	1	1	15	11	0	14
Bremerton	368	174	194	353	6	2	0	0	4	3	0	5
Bainbridge Island	3	3	0	2	1	0	0	0	0	0	0	0
Kittitas	220	104	116	218	2	0	0	0	0	0	0	1
Klickitat	149	78	71	143	0	5	1	0	0	0	0	0

Table 28. Deaths by Sex and Race by Place of Residence, 1993

County and City	Total	Male	Female	White	African Amer.	Native Amer.	Japa-nese	Chinese	Filipino	Other Asian	Unk.	Hispanic ¹
Lewis	671	359	312	660	0	8	0	0	2	1	0	3
Lincoln	107	53	54	106	1	0	0	0	0	0	0	0
Mason	421	234	187	411	0	5	1	0	0	3	1	5
Okanogan	340	182	158	304	1	34	0	0	0	0	1	6
Pacific	282	155	127	280	0	0	2	0	0	0	0	4
Pend Oreille	107	59	48	101	0	6	0	0	0	0	0	0
Pierce	4,625	2,387	2,238	4,236	230	34	17	5	22	80	1	43
Puyallup	245	109	136	243	0	0	2	0	0	0	0	1
Tacoma	1,903	930	973	1,674	151	25	2	4	6	40	1	22
San Juan	110	67	43	110	0	0	0	0	0	0	0	0
Skagit	846	424	422	831	1	11	0	1	0	2	0	13
Mount Vernon	199	88	111	197	0	1	0	0	0	1	0	6
Skamania	68	42	26	67	0	1	0	0	0	0	0	0
Snohomish	3,275	1,682	1,593	3,191	15	25	1	6	10	24	3	16
Edmonds	301	145	156	292	1	3	0	1	0	3	1	1
Everett	757	408	349	731	6	6	0	1	4	8	1	4
Lynnwood	271	129	142	263	0	2	0	0	1	5	0	2
Mountlake Terrac	88	37	51	84	1	0	0	0	0	3	0	0
Spokane	3,415	1,679	1,736	3,340	32	23	7	2	2	4	5	14
Spokane (City)	2,053	992	1,061	1,993	26	16	6	2	2	4	4	7
Stevens	254	139	115	239	0	15	0	0	0	0	0	1
Thurston	1,280	678	602	1,242	7	12	2	1	3	12	1	10
Lacey	221	104	117	212	2	1	0	1	1	4	0	1
Olympia	412	203	209	403	1	3	0	0	1	3	1	3
Wahkiakum	53	28	25	53	0	0	0	0	0	0	0	0
Walla Walla	528	265	263	519	4	0	1	0	0	4	0	13
Walla Walla (City)	362	173	189	356	2	0	1	0	0	3	0	9
Whatcom	1,090	517	573	1,056	3	26	0	2	0	2	1	11
Bellingham	588	254	334	581	3	0	0	1	0	2	1	4
Whitman	244	131	113	239	1	1	0	2	0	1	0	0
Pullman	61	30	31	56	1	1	0	2	0	1	0	0
Yakima	1,716	893	823	1,610	17	82	2	1	3	0	1	126
Yakima (City)	693	333	360	668	14	10	0	1	0	0	0	26

¹Hispanic Origin is considered an ethnicity rather than a race. Deaths to people of Hispanic Origin are also counted under the race of the decedent. See Appendix A, "Hispanic Origin."

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Table 29. Deaths by Age Group by Place of Residence, 1993

County and City	Total	< 1	1-4	5-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over	Age Unk
State Total	40,303	495	121	143	266	343	943	1,567	2,194	3,989	8,508	11,697	10,037	0
Adams	105	1	0	0	2	3	2	3	5	5	22	32	30	0
Asotin	233	3	0	0	0	0	3	4	13	19	37	73	81	0
Benton	773	16	2	4	6	4	14	32	40	79	187	233	156	0
Kennewick	314	7	1	2	3	2	3	10	16	31	77	90	72	0
Richland	224	4	0	0	1	0	4	10	14	17	48	80	46	0
Chelan	536	3	0	1	0	4	8	21	13	50	115	169	152	0
Wenatchee	276	1	0	1	0	1	4	10	5	26	60	100	68	0
Clallam	684	8	0	1	4	3	10	17	24	66	146	227	178	0
Port Angeles	217	4	0	0	1	0	2	3	10	16	37	80	64	0
Clark	1,930	22	6	7	9	15	39	69	122	220	415	580	426	0
Vancouver	774	10	2	2	4	2	19	32	48	72	162	229	192	0
Columbia	53	0	0	0	1	0	0	2	1	1	14	12	22	0
Cowlitz	812	10	2	1	3	2	8	19	42	83	198	227	217	0
Longview	350	3	1	1	0	2	3	6	13	33	80	104	104	0
Douglas	198	0	3	2	4	3	2	7	11	20	29	73	44	0
Ferry	61	1	0	0	0	2	5	6	5	12	11	16	3	0
Franklin	281	7	1	0	6	10	6	13	18	27	78	68	47	0
Pasco	207	5	1	0	6	8	5	7	12	20	61	47	35	0
Garfield	31	0	0	0	0	0	0	0	1	1	9	8	12	0
Grant	475	9	4	0	6	6	15	17	21	55	101	139	102	0
Grays Harbor	751	8	0	1	2	8	17	28	41	85	176	201	184	0
Aberdeen	210	1	0	1	0	3	3	11	14	20	46	57	54	0
Island	443	6	1	3	2	3	12	10	25	45	97	152	87	0
Oak Harbor	83	2	0	1	1	1	7	2	7	9	12	25	16	0
Jefferson	232	2	0	0	1	0	3	5	13	17	52	81	58	0
King	11,524	123	28	33	62	107	346	581	679	1,094	2,363	3,189	2,919	0
Auburn	297	5	2	2	2	2	8	9	22	28	60	81	76	0
Bellevue	667	8	2	1	4	8	13	12	33	68	147	202	169	0
Des Moines	219	1	3	1	0	3	4	3	12	9	33	43	107	0
Federal Way	331	6	3	1	7	4	13	19	22	41	83	79	53	0
Kent	284	4	1	1	2	5	12	17	20	36	73	77	36	0
Kirkland	320	2	0	0	0	2	8	13	21	38	50	92	94	0
Mercer Island	138	1	0	0	0	1	1	5	7	16	24	43	40	0
Redmond	221	2	0	2	0	4	3	8	13	15	38	75	61	0
Renton	365	6	1	0	1	0	6	14	25	47	78	86	101	0
Sea Tac	67	2	0	0	3	1	1	5	4	6	16	20	9	0
Seattle	5,529	44	6	18	22	46	208	325	294	469	1,051	1,514	1,532	0
Kitsap	1,380	18	3	5	8	16	27	49	84	130	311	404	325	0
Bremerton	368	8	1	1	1	5	8	11	18	21	80	108	106	0
Bainbridge Island	3	0	0	0	0	0	0	0	0	1	0	2	0	0
Kittitas	220	1	1	0	0	2	3	4	7	26	48	74	54	0
Klickitat	149	3	2	2	0	1	3	6	9	16	31	41	35	0

Table 29. Deaths by Age Group by Place of Residence, 1993

County and City	Total	< 1	1-4	5-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over	Age Unk
Lewis	671	6	0	3	5	6	16	21	36	74	145	208	151	0
Lincoln	107	0	0	1	2	0	0	2	5	7	18	39	33	0
Mason	421	3	2	0	5	3	7	16	19	46	106	116	98	0
Okanogan	340	4	0	1	2	6	4	18	11	32	72	106	84	0
Pacific	282	0	1	1	0	3	4	6	12	22	75	87	71	0
Pend Oreille	107	2	1	1	0	0	6	6	8	10	25	27	21	0
Pierce	4,625	74	17	20	45	42	109	189	290	489	1,034	1,277	1,039	0
Puyallup	245	3	0	0	0	0	2	9	15	14	37	92	73	0
Tacoma	1,903	30	6	6	19	14	56	87	104	184	359	534	504	0
San Juan	110	0	0	0	2	1	1	3	3	10	29	34	27	0
Skagit	846	5	3	3	3	4	21	22	35	81	177	254	238	0
Mount Vernon	199	0	1	0	1	1	7	3	5	11	39	61	70	0
Skamania	68	2	0	0	0	1	2	6	4	13	8	18	14	0
Snohomish	3,275	47	17	10	24	21	80	139	207	355	684	935	756	0
Edmonds	301	4	0	0	0	1	5	7	9	36	64	90	85	0
Everett	757	9	6	1	4	8	28	31	40	66	145	231	188	0
Lynnwood	271	3	1	2	3	0	3	16	21	21	73	72	56	0
Mountlake Terrac	88	1	0	0	0	0	2	2	9	9	17	33	15	0
Spokane	3,415	44	10	13	19	16	58	99	161	305	689	1,040	961	0
Spokane (City)	2,053	21	9	8	12	10	37	50	92	162	413	640	599	0
Stevens	254	2	0	4	6	2	6	5	13	29	46	71	70	0
Thurston	1,280	10	3	8	9	8	30	39	62	136	285	392	298	0
Lacey	221	1	0	2	1	2	4	4	7	9	50	70	71	0
Olympia	412	3	0	1	2	1	9	11	21	49	90	123	102	0
Wahkiakum	53	0	0	0	1	0	2	0	4	1	7	21	17	0
Walla Walla	528	4	3	4	3	4	10	13	14	42	98	152	181	0
Walla Walla (City)	362	3	2	3	1	2	7	9	7	34	62	100	132	0
Whatcom	1,090	11	5	2	8	11	19	39	40	88	188	318	361	0
Bellingham	588	4	1	1	3	4	10	21	18	41	89	171	225	0
Whitman	244	3	0	0	1	0	2	3	8	22	49	79	77	0
Pullman	61	3	0	0	0	0	2	1	3	5	12	18	17	0
Yakima	1,716	37	6	12	15	26	43	48	88	176	333	524	408	0
Yakima (City)	693	13	2	2	2	6	8	14	26	66	122	237	195	0

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Table 30. Deaths by Month of Death by Place of Residence, 1993

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
State Total	40,303	3,874	3,389	3,748	3,473	3,330	3,015	3,016	3,200	3,015	3,316	3,313	3,614
Adams	105	11	10	4	14	8	6	6	5	14	4	12	11
Asotin	233	25	22	20	21	13	20	10	24	13	24	21	20
Benton	773	85	58	80	60	56	68	64	69	49	57	58	69
Kennewick	314	40	18	37	22	25	28	20	30	18	18	22	36
Richland	224	23	21	22	23	19	21	20	15	16	15	17	12
Chelan	536	52	51	58	50	38	39	41	30	31	47	50	49
Wenatchee	276	26	24	30	29	16	18	17	16	21	29	25	25
Clallam	684	68	43	64	51	66	70	46	56	55	52	48	65
Port Angeles	217	25	8	22	19	22	28	18	11	18	10	12	24
Clark	1,930	164	156	183	178	164	119	134	156	154	175	173	174
Vancouver	774	65	68	79	67	52	52	49	60	60	78	70	74
Columbia	53	4	5	6	4	5	3	5	5	6	5	3	2
Cowlitz	812	85	63	65	68	73	62	66	74	60	74	62	60
Longview	350	45	26	28	29	34	24	25	39	21	24	28	27
Douglas	198	19	15	20	18	21	15	9	22	13	15	17	14
Ferry	61	5	3	4	8	6	5	4	7	6	5	4	4
Franklin	281	32	16	16	30	22	21	24	23	15	27	28	27
Pasco	207	23	13	13	21	13	16	17	15	11	22	21	22
Garfield	31	3	4	0	2	3	4	0	3	3	2	2	5
Grant	475	36	39	41	38	38	49	39	34	35	43	43	40
Grays Harbor	751	71	56	86	61	61	64	53	71	61	49	55	63
Aberdeen	210	16	20	25	13	21	24	16	13	15	14	18	15
Island	443	39	32	44	39	40	29	35	37	43	39	32	34
Oak Harbor	83	8	6	7	6	7	5	8	4	9	9	6	8
Jefferson	232	16	26	27	15	13	22	25	20	10	17	19	22
King	11,524	1,154	987	1,076	979	986	822	888	937	829	940	915	1,011
Auburn	297	44	18	32	21	24	17	21	28	24	21	22	25
Bellevue	667	66	52	54	67	45	57	63	50	47	53	57	56
Des Moines	219	13	22	17	22	13	12	19	14	13	22	20	32
Federal Way	331	39	31	29	38	30	23	23	25	21	21	29	22
Kent	284	15	22	25	34	27	14	19	27	18	23	31	29
Kirkland	320	37	29	30	30	31	13	26	21	29	24	19	31
Mercer Island	138	11	13	12	11	11	10	15	11	13	9	11	11
Redmond	221	18	20	22	19	20	15	16	20	19	16	15	21
Renton	365	31	41	27	28	36	29	23	37	26	26	27	34
Sea Tac	67	6	6	4	8	4	6	3	6	5	4	5	10
Seattle	5,529	567	446	505	469	485	403	433	448	394	464	439	476
Kitsap	1,380	148	108	133	129	104	77	92	111	103	119	123	133
Bremerton	368	44	34	28	41	23	21	25	39	23	28	31	31
Bainbridge Island	3	0	0	0	0	1	1	0	1	0	0	0	0
Kittitas	220	19	11	28	20	24	12	12	19	11	17	17	30
Klickitat	149	12	13	6	15	9	14	16	8	16	9	15	16

Table 30. Deaths by Month of Death by Place of Residence, 1993

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Lewis	671	59	57	67	48	49	63	53	49	48	54	61	63
Lincoln	107	9	10	7	10	6	7	6	10	8	6	15	13
Mason	421	36	40	39	39	30	34	27	26	37	35	40	38
Okanogan	340	39	19	25	28	32	29	26	30	31	34	29	18
Pacific	282	27	25	23	31	21	22	18	20	22	21	26	26
Pend Oreille	107	10	11	12	7	15	9	12	5	8	4	5	9
Pierce	4,625	439	427	439	389	352	322	367	361	383	373	342	431
Puyallup	245	26	24	32	16	11	22	30	21	16	15	15	17
Tacoma	1,903	188	171	187	146	142	136	143	154	156	151	153	176
San Juan	110	8	9	7	11	10	10	10	7	7	10	8	13
Skagit	846	92	69	75	68	61	73	66	71	65	69	67	70
Mount Vernon	199	18	11	20	25	12	18	15	15	18	13	17	17
Skamania	68	6	5	6	9	5	3	5	2	5	6	9	7
Snohomish	3,275	295	279	324	286	276	252	224	256	256	260	282	285
Edmonds	301	25	21	35	28	17	22	25	34	25	20	25	24
Everett	757	69	65	63	67	70	67	51	50	52	69	57	77
Lynnwood	271	24	26	28	18	22	28	20	19	14	21	26	25
Mountlake Terrace	88	7	13	6	9	10	7	6	1	10	6	7	6
Spokane	3,415	317	283	318	294	309	248	246	276	246	275	289	314
Spokane (City)	2,053	195	180	187	181	196	148	133	165	150	166	161	191
Stevens	254	22	17	23	18	28	25	19	19	16	23	21	23
Thurston	1,280	114	128	114	97	119	90	97	86	89	113	115	118
Lacey	221	15	27	16	19	22	15	10	19	10	21	25	22
Olympia	412	41	38	39	23	33	30	39	27	31	43	34	34
Wahkiakum	53	5	4	6	5	3	4	6	7	0	6	3	4
Walla Walla	528	75	43	38	51	37	46	37	35	40	36	40	50
Walla Walla (City)	362	56	29	25	35	30	27	25	22	25	22	27	39
Whatcom	1,090	92	102	96	107	77	95	78	72	91	85	95	100
Bellingham	588	49	59	58	52	43	48	35	37	54	47	51	55
Whitman	244	15	22	25	26	17	25	19	17	16	14	20	28
Pullman	61	6	7	8	7	4	5	6	2	6	5	2	3
Yakima	1,716	166	121	143	149	133	137	131	140	120	172	149	155
Yakima (City)	693	61	57	54	62	63	55	48	53	52	64	60	64

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Table 31a. Deaths by Selected Disease Conditions by Place of Residence, 1993

County and City	Infectious and Parasitic Diseases		Diabetes Mellitus		Alcoholism		Diseases of the Heart		Cerebrovascular Disease	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	1,012	19.3	963	18.4	85	1.6	11,840	225.9	3,199	61.0
Adams	0	0.0	11	76.9	0	0.0	29	202.8	5	35.0
Asotin	3	16.4	3	16.4	0	0.0	78	426.2	18	98.4
Benton	10	8.1	19	15.5	2	1.6	228	185.7	63	51.3
Kennewick	2	4.4	9	20.0	2	4.4	97	215.0	24	53.2
Richland	5	14.7	5	14.7	0	0.0	64	187.8	25	73.4
Chelan	5	8.9	16	28.6	1	1.8	165	294.6	39	69.6
Wenatchee	3	13.0	11	47.8	1	4.3	82	356.5	22	95.7
Clallam	12	19.5	15	24.4	0	0.0	216	351.8	50	81.4
Port Angeles	4	21.9	8	43.8	0	0.0	67	366.7	13	71.2
Clark	42	15.6	64	23.7	12	4.5	598	221.9	114	42.3
Vancouver	22	39.7	36	64.9	5	9.0	243	438.2	44	79.4
Columbia	0	0.0	2	48.8	0	0.0	11	268.3	8	195.1
Cowlitz	12	13.9	22	25.6	1	1.2	260	302.0	75	87.1
Longview	3	9.2	10	30.6	0	0.0	103	315.5	35	107.2
Douglas	2	7.0	6	21.1	0	0.0	65	228.1	14	49.1
Ferry	0	0.0	3	43.5	0	0.0	19	275.4	2	29.0
Franklin	1	2.4	6	14.6	0	0.0	72	175.2	33	80.3
Pasco	1	4.7	4	18.7	0	0.0	49	229.3	28	131.0
Garfield	0	0.0	1	43.5	0	0.0	6	260.9	1	43.5
Grant	8	13.3	15	24.9	0	0.0	153	253.7	30	49.8
Grays Harbor	13	19.5	23	34.6	3	4.5	232	348.9	61	91.7
Aberdeen	5	30.0	6	36.0	1	6.0	67	402.0	11	66.0
Island	13	19.5	6	9.0	0	0.0	125	188.0	34	51.1
Oak Harbor	2	10.6	3	15.8	0	0.0	23	121.5	8	42.3
Jefferson	5	21.3	3	12.8	0	0.0	64	272.3	21	89.4
King	517	32.6	260	16.4	16	1.0	3,195	201.2	890	56.1
Auburn	4	11.6	8	23.2	0	0.0	85	246.0	27	78.1
Bellevue	17	18.9	17	18.9	0	0.0	195	217.4	59	65.8
Des Moines	3	15.4	5	25.7	0	0.0	68	349.4	20	102.8
Federal Way	8	10.6	6	8.0	0	0.0	84	111.5	25	33.2
Kent	5	12.2	15	36.5	0	0.0	80	194.7	17	41.4
Kirkland	15	36.0	6	14.4	0	0.0	79	189.4	37	88.7
Mercer Island	3	14.1	2	9.4	0	0.0	40	188.1	15	70.6
Redmond	4	10.0	2	5.0	0	0.0	69	172.1	16	39.9
Renton	14	32.2	9	20.7	1	2.3	82	188.6	35	80.5
Sea Tac	0	0.0	3	13.1	0	0.0	22	96.3	2	8.8
Seattle	375	71.1	108	20.5	12	2.3	1,560	295.6	448	84.9
Kitsap	27	12.9	34	16.2	5	2.4	367	174.8	99	47.1
Bremerton	6	16.5	9	24.7	1	2.7	101	277.6	29	79.7
Bainbridge Island	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kittitas	2	6.8	2	6.8	1	3.4	54	184.9	21	71.9
Klickitat	3	17.1	8	45.7	0	0.0	43	245.7	10	57.1

Table 31a. Deaths by Selected Disease Conditions by Place of Residence, 1993

County and City	Infectious and Parasitic Diseases		Diabetes Mellitus		Alcoholism		Diseases of the Heart		Cerebrovascular Disease	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	10	15.9	22	35.0	1	1.6	205	325.9	59	93.8
Lincoln	3	32.6	3	32.6	1	10.9	27	293.5	7	76.1
Mason	6	14.0	7	16.3	1	2.3	125	291.4	36	83.9
Okanogan	2	5.6	9	25.4	1	2.8	99	279.7	25	70.6
Pacific	4	20.2	9	45.5	1	5.1	94	474.7	24	121.2
Pend Oreille	3	29.7	1	9.9	0	0.0	31	306.9	3	29.7
Pierce	83	13.0	116	18.1	11	1.7	1,373	214.3	403	62.9
Puyallup	4	15.3	5	19.1	0	0.0	83	317.5	13	49.7
Tacoma	41	22.6	49	27.0	5	2.8	545	300.8	208	114.8
San Juan	3	25.2	1	8.4	0	0.0	27	226.9	7	58.8
Skagit	17	19.2	18	20.3	1	1.1	255	288.1	67	75.7
Mount Vernon	3	14.7	4	19.6	1	4.9	61	298.3	22	107.6
Skamania	2	22.2	1	11.1	0	0.0	27	300.0	2	22.2
Snohomish	61	12.0	67	13.2	6	1.2	971	191.2	260	51.2
Edmonds	5	16.1	5	16.1	1	3.2	95	306.7	25	80.7
Everett	17	22.1	14	18.2	1	1.3	238	309.2	67	87.0
Lynnwood	6	20.3	6	20.3	1	3.4	84	284.0	24	81.1
Mountlake Terrace	1	5.0	1	5.0	0	0.0	30	150.9	6	30.2
Spokane	55	14.3	63	16.4	6	1.6	1,041	271.4	288	75.1
Spokane (City)	34	18.5	43	23.4	4	2.2	617	335.7	187	101.7
Stevens	5	15.0	2	6.0	1	3.0	69	206.6	19	56.9
Thurston	30	16.6	21	11.6	5	2.8	378	209.4	101	56.0
Lacey	3	13.2	3	13.2	1	4.4	75	331.0	20	88.3
Olympia	9	24.6	5	13.7	1	2.7	123	336.8	33	90.4
Wahkiakum	0	0.0	2	57.1	0	0.0	17	485.7	6	171.4
Walla Walla	8	15.4	9	17.4	1	1.9	142	274.1	67	129.3
Walla Walla (City)	3	10.4	7	24.3	0	0.0	99	343.5	44	152.7
Whatcom	20	14.2	27	19.2	5	3.5	316	224.3	91	64.6
Bellingham	10	18.0	16	28.8	2	3.6	173	311.8	47	84.7
Whitman	1	2.5	6	15.2	0	0.0	85	215.7	21	53.3
Pullman	1	4.3	1	4.3	0	0.0	17	72.4	5	21.3
Yakima	24	12.2	60	30.5	3	1.5	578	293.4	125	63.5
Yakima (City)	7	11.7	16	26.9	2	3.4	259	434.7	56	94.0

¹Rates per 100,000 population

NOTE: Source for Selected Disease Conditions is International Classification of Diseases (Ninth Revision).

Infectious and Parasitic Diseases (ICD 001-139)

Diabetes Mellitus (ICD 250)

Alcoholism (ICD 303)

Diseases of the Heart (ICD 391-392.0, 393-398, 402, 404, 410-417, 420-429)

Cerebrovascular Disease (ICD 430-438)

S02700A-HDE/DEAA20P1

Table 31b. Deaths by Selected Disease Conditions by Place of Residence, 1993

County and City	General Arteriosclerosis		Influenza and Pneumonia		Chronic Obstructive Pulmonary Diseases		Chronic Liver Disease and Cirrhosis		Nephritis, Nephrotic Syndrome, Nephrosis	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	388	7.4	1,590	30.3	2,247	42.9	456	8.7	169	3.2
Adams	1	7.0	3	21.0	4	28.0	1	7.0	0	0.0
Asotin	1	5.5	16	87.4	7	38.3	5	27.3	1	5.5
Benton	4	3.3	9	7.3	49	39.9	13	10.6	5	4.1
Kennewick	2	4.4	3	6.7	20	44.3	5	11.1	2	4.4
Richland	1	2.9	1	2.9	14	41.1	3	8.8	2	5.9
Chelan	3	5.4	22	39.3	30	53.6	5	8.9	1	1.8
Wenatchee	3	13.0	8	34.8	18	78.3	4	17.4	1	4.3
Clallam	4	6.5	39	63.5	29	47.2	3	4.9	4	6.5
Port Angeles	1	5.5	17	93.0	12	65.7	0	0.0	1	5.5
Clark	6	2.2	67	24.9	108	40.1	20	7.4	9	3.3
Vancouver	2	3.6	26	46.9	40	72.1	13	23.4	2	3.6
Columbia	0	0.0	3	73.2	1	24.4	0	0.0	1	24.4
Cowlitz	7	8.1	25	29.0	46	53.4	10	11.6	4	4.6
Longview	4	12.3	12	36.8	22	67.4	6	18.4	1	3.1
Douglas	1	3.5	9	31.6	16	56.1	2	7.0	2	7.0
Ferry	0	0.0	1	14.5	4	58.0	1	14.5	1	14.5
Franklin	0	0.0	2	4.9	26	63.3	5	12.2	3	7.3
Pasco	0	0.0	1	4.7	23	107.6	4	18.7	1	4.7
Garfield	1	43.5	4	173.9	1	43.5	0	0.0	0	0.0
Grant	2	3.3	18	29.9	30	49.8	4	6.6	2	3.3
Grays Harbor	8	12.0	16	24.1	61	91.7	11	16.5	10	15.0
Aberdeen	2	12.0	6	36.0	14	84.0	5	30.0	4	24.0
Island	0	0.0	13	19.5	33	49.6	2	3.0	0	0.0
Oak Harbor	0	0.0	2	10.6	3	15.8	0	0.0	0	0.0
Jefferson	1	4.3	15	63.8	13	55.3	2	8.5	0	0.0
King	78	4.9	490	30.9	562	35.4	138	8.7	53	3.3
Auburn	7	20.3	11	31.8	20	57.9	3	8.7	0	0.0
Bellevue	5	5.6	22	24.5	25	27.9	8	8.9	1	1.1
Des Moines	2	10.3	10	51.4	6	30.8	0	0.0	0	0.0
Federal Way	2	2.7	15	19.9	26	34.5	5	6.6	1	1.3
Kent	2	4.9	8	19.5	18	43.8	3	7.3	0	0.0
Kirkland	2	4.8	19	45.6	17	40.8	3	7.2	1	2.4
Mercer Island	1	4.7	6	28.2	4	18.8	0	0.0	1	4.7
Redmond	0	0.0	7	17.5	12	29.9	5	12.5	2	5.0
Renton	7	16.1	17	39.1	27	62.1	5	11.5	1	2.3
Sea Tac	1	4.4	3	13.1	3	13.1	0	0.0	0	0.0
Seattle	32	6.1	246	46.6	217	41.1	64	12.1	30	5.7
Kitsap	9	4.3	64	30.5	72	34.3	16	7.6	5	2.4
Bremerton	3	8.2	18	49.5	14	38.5	4	11.0	3	8.2
Bainbridge Island	0	0.0	1	5.8	0	0.0	0	0.0	0	0.0
Kittitas	1	3.4	11	37.7	17	58.2	2	6.8	2	6.8
Klickitat	0	0.0	5	28.6	8	45.7	0	0.0	1	5.7

Table 31b. Deaths by Selected Disease Conditions by Place of Residence, 1993

County and City	General Arteriosclerosis		Influenza and Pneumonia		Chronic Obstructive Pulmonary Diseases		Chronic Liver Disease and Cirrhosis		Nephritis, Nephrotic Syndrome, Nephrosis	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	3	4.8	18	28.6	32	50.9	12	19.1	7	11.1
Lincoln	3	32.6	8	87.0	6	65.2	1	10.9	0	0.0
Mason	2	4.7	17	39.6	20	46.6	3	7.0	2	4.7
Okanogan	1	2.8	10	28.2	18	50.8	7	19.8	1	2.8
Pacific	3	15.2	8	40.4	15	75.8	2	10.1	4	20.2
Pend Oreille	1	9.9	4	39.6	11	108.9	1	9.9	1	9.9
Pierce	111	17.3	158	24.7	288	45.0	51	8.0	15	2.3
Puyallup	13	49.7	10	38.3	12	45.9	3	11.5	1	3.8
Tacoma	53	29.2	66	36.4	119	65.7	21	11.6	11	6.1
San Juan	5	42.0	4	33.6	6	50.4	2	16.8	0	0.0
Skagit	7	7.9	47	53.1	33	37.3	9	10.2	5	5.6
Mount Vernon	2	9.8	12	58.7	5	24.4	1	4.9	3	14.7
Skamania	0	0.0	0	0.0	3	33.3	0	0.0	0	0.0
Snohomish	22	4.3	112	22.1	189	37.2	44	8.7	7	1.4
Edmonds	1	3.2	19	61.3	23	74.3	3	9.7	1	3.2
Everett	6	7.8	24	31.2	60	77.9	9	11.7	3	3.9
Lynnwood	2	6.8	9	30.4	15	50.7	5	16.9	1	3.4
Mountlake Terrace	0	0.0	4	20.1	5	25.2	2	10.1	0	0.0
Spokane	64	16.7	158	41.2	224	58.4	45	11.7	8	2.1
Spokane (City)	45	24.5	99	53.9	129	70.2	30	16.3	6	3.3
Stevens	4	12.0	11	32.9	12	35.9	1	3.0	0	0.0
Thurston	10	5.5	48	26.6	79	43.8	10	5.5	5	2.8
Lacey	2	8.8	12	53.0	12	53.0	1	4.4	0	0.0
Olympia	4	11.0	14	38.3	27	73.9	3	8.2	1	2.7
Wahkiakum	0	0.0	0	0.0	3	85.7	0	0.0	0	0.0
Walla Walla	7	13.5	31	59.8	27	52.1	4	7.7	2	3.9
Walla Walla (City)	6	20.8	24	83.3	19	65.9	3	10.4	1	3.5
Whatcom	10	7.1	55	39.0	57	40.5	7	5.0	6	4.3
Bellingham	9	16.2	36	64.9	36	64.9	4	7.2	3	5.4
Whitman	1	2.5	8	20.3	14	35.5	2	5.1	0	0.0
Pullman	1	4.3	3	12.8	3	12.8	1	4.3	0	0.0
Yakima	7	3.6	61	31.0	93	47.2	15	7.6	2	1.0
Yakima (City)	2	3.4	30	50.4	37	62.1	6	10.1	2	3.4

¹Rates per 100,000 population

NOTE: Source for Selected Disease Conditions is International Classification of Diseases (Ninth Revision).

General Arteriosclerosis (ICD 440)

Influenza and Pneumonia (ICD 480-487)

Chronic Obstructive Pulmonary Diseases (ICD 490-496)

Chronic Liver Disease and Cirrhosis (ICD 571)

Nephritis, Nephrotic Syndrome, Nephrosis (ICD 580-589)

S02710A-HDE/DEAA20P2

Table 32a. Deaths Due to Malignant Neoplasm by Primary Site by Place of Residence, 1993

County and City	Malignant Neoplasms Total All Sites		Lip, Oral Cavity and Pharynx		Digestive Organs and Peritoneum		Respiratory and Intrathoracic Organs		Genital Organs	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	9,904	189.0	155	3.0	2,244	42.8	3,040	58.0	1,164	22.2
Adams	28	195.8	0	0.0	3	21.0	9	62.9	6	42.0
Asotin	53	289.6	1	5.5	11	60.1	15	82.0	8	43.7
Benton	203	165.3	1	0.8	52	42.3	59	48.0	23	18.7
Kennewick	67	148.5	0	0.0	21	46.6	15	33.3	10	22.2
Richland	63	184.9	1	2.9	12	35.2	22	64.6	5	14.7
Chelan	142	253.6	0	0.0	26	46.4	41	73.2	23	41.1
Wenatchee	77	334.8	0	0.0	15	65.2	21	91.3	12	52.2
Clallam	187	304.6	2	3.3	46	74.9	51	83.1	24	39.1
Port Angeles	51	279.1	1	5.5	19	104.0	15	82.1	6	32.8
Clark	479	177.7	2	0.7	112	41.6	162	60.1	58	21.5
Vancouver	184	331.8	2	3.6	51	92.0	59	106.4	20	36.1
Columbia	16	390.2	0	0.0	4	97.6	6	146.3	2	48.8
Cowlitz	188	218.4	6	7.0	40	46.5	48	55.7	28	32.5
Longview	75	229.7	5	15.3	21	64.3	19	58.2	9	27.6
Douglas	44	154.4	1	3.5	6	21.1	17	59.6	5	17.5
Ferry	11	159.4	0	0.0	3	43.5	3	43.5	0	0.0
Franklin	68	165.5	0	0.0	15	36.5	24	58.4	10	24.3
Pasco	48	224.6	0	0.0	11	51.5	16	74.9	6	28.1
Garfield	8	347.8	0	0.0	2	87.0	0	0.0	1	43.5
Grant	111	184.1	2	3.3	22	36.5	32	53.1	19	31.5
Grays Harbor	170	255.6	3	4.5	45	67.7	45	67.7	22	33.1
Aberdeen	41	246.0	1	6.0	11	66.0	11	66.0	5	30.0
Island	114	171.4	0	0.0	33	49.6	33	49.6	15	22.6
Oak Harbor	17	89.8	0	0.0	5	26.4	7	37.0	3	15.8
Jefferson	70	297.9	0	0.0	18	76.6	23	97.9	11	46.8
King	2,862	180.3	52	3.3	654	41.2	861	54.2	319	20.1
Auburn	62	179.5	0	0.0	15	43.4	18	52.1	5	14.5
Bellevue	185	206.2	4	4.5	36	40.1	46	51.3	27	30.1
Des Moines	46	236.4	0	0.0	13	66.8	16	82.2	2	10.3
Federal Way	85	112.9	2	2.7	18	23.9	28	37.2	11	14.6
Kent	77	187.4	1	2.4	18	43.8	26	63.3	10	24.3
Kirkland	77	184.7	2	4.8	17	40.8	23	55.2	5	12.0
Mercer Island	43	202.3	3	14.1	8	37.6	13	61.1	4	18.8
Redmond	56	139.7	2	5.0	15	37.4	13	32.4	2	5.0
Renton	93	213.9	2	4.6	22	50.6	30	69.0	7	16.1
Sea Tac	17	74.4	0	0.0	7	30.6	6	26.3	0	0.0
Seattle	1,276	241.8	25	4.7	322	61.0	358	67.8	154	29.2
Kitsap	397	189.0	7	3.3	96	45.7	119	56.7	43	20.5
Bremerton	98	269.4	3	8.2	20	55.0	31	85.2	10	27.5
Bainbridge Island	1	5.8	0	0.0	1	5.8	0	0.0	0	0.0
Kittitas	62	212.3	0	0.0	13	44.5	19	65.1	9	30.8
Klickitat	38	217.1	0	0.0	9	51.4	13	74.3	2	11.4

Table 32a. Deaths Due to Malignant Neoplasm by Primary Site by Place of Residence, 1993

County and City	Malignant Neoplasms Total All Sites		Lip, Oral Cavity and Pharynx		Digestive Organs and Peritoneum		Respiratory and Intrathoracic Organs		Genital Organs	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	175	278.2	2	3.2	43	68.4	67	106.5	17	27.0
Lincoln	25	271.7	2	21.7	8	87.0	2	21.7	1	10.9
Mason	110	256.4	2	4.7	25	58.3	42	97.9	5	11.7
Okanogan	89	251.4	0	0.0	23	65.0	33	93.2	8	22.6
Pacific	62	313.1	0	0.0	11	55.6	27	136.4	6	30.3
Pend Oreille	30	297.0	0	0.0	6	59.4	14	138.6	4	39.6
Pierce	1,071	167.2	12	1.9	232	36.2	353	55.1	127	19.8
Puyallup	53	202.8	1	3.8	8	30.6	21	80.3	7	26.8
Tacoma	391	215.8	5	2.8	87	48.0	115	63.5	50	27.6
San Juan	29	243.7	1	8.4	10	84.0	8	67.2	1	8.4
Skagit	206	232.8	6	6.8	40	45.2	55	62.1	24	27.1
Mount Vernon	36	176.0	2	9.8	6	29.3	8	39.1	7	34.2
Skamania	16	177.8	0	0.0	4	44.4	6	66.7	1	11.1
Snohomish	853	167.9	14	2.8	205	40.4	249	49.0	82	16.1
Edmonds	62	200.2	3	9.7	13	42.0	24	77.5	4	12.9
Everett	161	209.1	2	2.6	44	57.2	42	54.6	16	20.8
Lynnwood	67	226.5	3	10.1	21	71.0	14	47.3	6	20.3
Mountlake Terrace	24	120.7	0	0.0	3	15.1	8	40.2	2	10.1
Spokane	795	207.2	17	4.4	173	45.1	261	68.0	96	25.0
Spokane (City)	476	259.0	12	6.5	99	53.9	159	86.5	62	33.7
Stevens	65	194.6	2	6.0	7	21.0	19	56.9	10	29.9
Thurston	340	188.4	8	4.4	80	44.3	86	47.6	43	23.8
Lacey	47	207.4	1	4.4	15	66.2	10	44.1	2	8.8
Olympia	105	287.5	4	11.0	23	63.0	29	79.4	12	32.9
Wahkiakum	11	314.3	1	28.6	0	0.0	1	28.6	3	85.7
Walla Walla	93	179.5	3	5.8	11	21.2	23	44.4	19	36.7
Walla Walla (City)	58	201.2	3	10.4	6	20.8	8	27.8	14	48.6
Whatcom	244	173.2	4	2.8	53	37.6	71	50.4	33	23.4
Bellingham	125	225.3	4	7.2	24	43.3	32	57.7	21	37.9
Whitman	57	144.7	0	0.0	14	35.5	15	38.1	11	27.9
Pullman	12	51.1	0	0.0	4	17.0	1	4.3	5	21.3
Yakima	382	193.9	4	2.0	89	45.2	128	65.0	45	22.8
Yakima (City)	145	243.4	1	1.7	30	50.4	55	92.3	20	33.6

¹Rates per 100,000 population

NOTE: Source for Malignant Neoplasm by Primary Site is International Classification of Diseases (Ninth Revision).

Malignant Neoplasms, Total All Sites (ICD 140-208, 230-234)

Lip, Oral Cavity and Pharynx (ICD 140-149, 230.0)

Digestive Organs and Peritoneum (ICD 150-159, 230.1-230.9)

Respiratory and Intrathoracic Organs (ICD 160-165, 231)

Genital Organs (ICD 179-187, 233.1-233.6)

S02730A-HDE/DEAA21P1

Table 32b. Deaths Due to Malignant Neoplasm by Primary Site by Place of Residence, 1993

County and City	Urinary Organs		Skin		Breast		Lymphatic and Hematopoietic Tissue		Other and Unspecified Primary Sites	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	399	7.6	162	3.1	815	15.6	1,010	19.3	915	17.5
Adams	2	14.0	0	0.0	4	28.0	0	0.0	4	28.0
Asotin	4	21.9	1	5.5	1	5.5	7	38.3	5	27.3
Benton	5	4.1	7	5.7	21	17.1	17	13.8	18	14.7
Kennewick	3	6.7	0	0.0	8	17.7	6	13.3	4	8.9
Richland	1	2.9	2	5.9	4	11.7	7	20.5	9	26.4
Chelan	8	14.3	5	8.9	9	16.1	16	28.6	14	25.0
Wenatchee	5	21.7	3	13.0	3	13.0	9	39.1	9	39.1
Clallam	9	14.7	2	3.3	18	29.3	21	34.2	14	22.8
Port Angeles	2	10.9	1	5.5	3	16.4	3	16.4	1	5.5
Clark	19	7.1	9	3.3	33	12.2	39	14.5	45	16.7
Vancouver	6	10.8	3	5.4	13	23.4	17	30.7	13	23.4
Columbia	0	0.0	1	24.4	1	24.4	1	24.4	1	24.4
Cowlitz	8	9.3	3	3.5	15	17.4	18	20.9	22	25.6
Longview	1	3.1	0	0.0	6	18.4	8	24.5	6	18.4
Douglas	1	3.5	2	7.0	4	14.0	3	10.5	5	17.5
Ferry	0	0.0	0	0.0	1	14.5	2	29.0	2	29.0
Franklin	4	9.7	0	0.0	3	7.3	7	17.0	5	12.2
Pasco	4	18.7	0	0.0	3	14.0	4	18.7	4	18.7
Garfield	3	130.4	0	0.0	1	43.5	1	43.5	0	0.0
Grant	6	10.0	0	0.0	4	6.6	13	21.6	13	21.6
Grays Harbor	8	12.0	3	4.5	14	21.1	19	28.6	11	16.5
Aberdeen	2	12.0	0	0.0	6	36.0	2	12.0	3	18.0
Island	7	10.5	1	1.5	11	16.5	4	6.0	10	15.0
Oak Harbor	0	0.0	0	0.0	2	10.6	0	0.0	0	0.0
Jefferson	2	8.5	0	0.0	2	8.5	10	42.6	4	17.0
King	107	6.7	55	3.5	255	16.1	293	18.5	266	16.8
Auburn	4	11.6	1	2.9	2	5.8	9	26.0	8	23.2
Bellevue	10	11.1	3	3.3	26	29.0	19	21.2	14	15.6
Des Moines	3	15.4	0	0.0	4	20.6	5	25.7	3	15.4
Federal Way	2	2.7	0	0.0	9	11.9	8	10.6	7	9.3
Kent	3	7.3	1	2.4	6	14.6	3	7.3	9	21.9
Kirkland	3	7.2	2	4.8	6	14.4	9	21.6	10	24.0
Mercer Island	1	4.7	1	4.7	3	14.1	3	14.1	7	32.9
Redmond	2	5.0	0	0.0	12	29.9	9	22.4	1	2.5
Renton	6	13.8	0	0.0	8	18.4	8	18.4	10	23.0
Sea Tac	1	4.4	0	0.0	1	4.4	1	4.4	1	4.4
Seattle	42	8.0	24	4.5	101	19.1	130	24.6	120	22.7
Kitsap	15	7.1	9	4.3	28	13.3	48	22.9	32	15.2
Bremerton	5	13.7	2	5.5	7	19.2	14	38.5	6	16.5
Bainbridge Island	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kittitas	4	13.7	1	3.4	5	17.1	7	24.0	4	13.7
Klickitat	0	0.0	2	11.4	6	34.3	4	22.9	2	11.4

Table 32b. Deaths Due to Malignant Neoplasm by Primary Site by Place of Residence, 1993

County and City	Urinary Organs		Skin		Breast		Lymphatic and Hematopoietic Tissue		Other and Unspecified Primary Sites	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	5	7.9	1	1.6	10	15.9	14	22.3	16	25.4
Lincoln	1	10.9	0	0.0	4	43.5	4	43.5	3	32.6
Mason	10	23.3	4	9.3	7	16.3	8	18.6	7	16.3
Okanogan	2	5.6	1	2.8	8	22.6	6	16.9	8	22.6
Pacific	2	10.1	2	10.1	2	10.1	4	20.2	8	40.4
Pend Oreille	0	0.0	0	0.0	2	19.8	1	9.9	3	29.7
Pierce	44	6.9	13	2.0	87	13.6	104	16.2	99	15.5
Puyallup	3	11.5	0	0.0	5	19.1	4	15.3	4	15.3
Tacoma	17	9.4	5	2.8	37	20.4	43	23.7	32	17.7
San Juan	1	8.4	0	0.0	2	16.8	2	16.8	4	33.6
Skagit	8	9.0	5	5.6	21	23.7	23	26.0	24	27.1
Mount Vernon	0	0.0	1	4.9	4	19.6	3	14.7	5	24.4
Skamania	0	0.0	0	0.0	1	11.1	1	11.1	3	33.3
Snohomish	27	5.3	14	2.8	81	15.9	90	17.7	91	17.9
Edmonds	0	0.0	0	0.0	4	12.9	8	25.8	6	19.4
Everett	4	5.2	1	1.3	7	9.1	25	32.5	20	26.0
Lynnwood	2	6.8	2	6.8	6	20.3	6	20.3	7	23.7
Mountlake Terrace	1	5.0	0	0.0	5	25.2	2	10.1	3	15.1
Spokane	34	8.9	8	2.1	66	17.2	86	22.4	54	14.1
Spokane (City)	21	11.4	7	3.8	33	18.0	51	27.7	32	17.4
Stevens	2	6.0	1	3.0	3	9.0	11	32.9	10	29.9
Thurston	14	7.8	7	3.9	29	16.1	41	22.7	32	17.7
Lacey	3	13.2	1	4.4	5	22.1	7	30.9	3	13.2
Olympia	3	8.2	3	8.2	9	24.6	7	19.2	15	41.1
Wahkiakum	3	85.7	0	0.0	1	28.6	1	28.6	1	28.6
Walla Walla	8	15.4	1	1.9	10	19.3	8	15.4	10	19.3
Walla Walla (City)	8	27.8	0	0.0	6	20.8	5	17.3	8	27.8
Whatcom	12	8.5	1	0.7	16	11.4	21	14.9	33	23.4
Bellingham	5	9.0	1	1.8	9	16.2	10	18.0	19	34.2
Whitman	0	0.0	1	2.5	6	15.2	8	20.3	2	5.1
Pullman	0	0.0	0	0.0	0	0.0	2	8.5	0	0.0
Yakima	14	7.1	2	1.0	23	11.7	47	23.9	30	15.2
Yakima (City)	4	6.7	1	1.7	5	8.4	16	26.9	13	21.8

¹Rates per 100,000 population

NOTE: Source for Malignant Neoplasm by Primary Site is International Classification of Diseases (Ninth Revision).

Urinary Organs (ICD 188-189, 233.7-233.9)

Skin (ICD 172-173, 232)

Breast (ICD 174-175, 233.0)

Lymphatic and Hematopoietic Tissue (ICD 200-208)

Other and Unspecified (ICD 170-171, 190-199, 234)

SO2740A-HDE/DEAA21P2

**Table 33. Deaths Due to Human Immunodeficiency Virus by Sex
by Place of Residence, 1993**

County and City	Total		Male	Female
	Number	Rate ¹		
State Total	533	10.2	506	27
Adams	0	0.0	0	0
Asotin	2	10.9	2	0
Benton	1	0.8	1	0
Kennewick	0	0.0	0	0
Richland	1	2.9	1	0
Chelan	1	1.8	1	0
Wenatchee	1	4.3	1	0
Clallam	5	8.1	4	1
Port Angeles	1	5.5	1	0
Clark	19	7.1	16	3
Vancouver	9	16.2	8	1
Columbia	0	0.0	0	0
Cowlitz	3	3.5	3	0
Longview	1	3.1	1	0
Douglas	2	7.0	2	0
Ferry	0	0.0	0	0
Franklin	0	0.0	0	0
Pasco	0	0.0	0	0
Garfield	0	0.0	0	0
Grant	3	5.0	3	0
Grays Harbor	7	10.5	6	1
Aberdeen	2	12.0	1	1
Island	6	9.0	5	1
Oak Harbor	2	10.6	1	1
Jefferson	3	12.8	2	1
King	359	22.6	348	11
Auburn	2	5.8	2	0
Bellevue	9	10.0	9	0
Des Moines	2	10.3	2	0
Federal Way	6	8.0	6	0
Kent	2	4.9	2	0
Kirkland	9	21.6	8	1
Mercer Island	1	4.7	1	0
Redmond	3	7.5	3	0
Renton	4	9.2	4	0
Sea Tac	0	0.0	0	0
Seattle	290	55.0	283	7
Kitsap	11	5.2	10	1
Bremerton	4	11.0	4	0
Bainbridge Island	0	0.0	0	0
Kittitas	0	0.0	0	0
Klickitat	0	0.0	0	0

**Table 33. Deaths Due to Human Immunodeficiency Virus by Sex
by Place of Residence, 1993**

County and City	Total		Male	Female
	Number	Rate ¹		
Lewis	4	6.4	3	1
Lincoln	0	0.0	0	0
Mason	3	7.0	3	0
Okanogan	0	0.0	0	0
Pacific	1	5.1	1	0
Pend Oreille	1	9.9	1	0
Pierce	33	5.2	31	2
Puyallup	1	3.8	1	0
Tacoma	19	10.5	19	0
San Juan	0	0.0	0	0
Skagit	5	5.6	4	1
Mount Vernon	1	4.9	1	0
Skamania	0	0.0	0	0
Snohomish	20	3.9	18	2
Edmonds	1	3.2	0	1
Everett	8	10.4	8	0
Lynnwood	1	3.4	1	0
Mountlake Terrace	1	5.0	1	0
Spokane	20	5.2	20	0
Spokane (City)	12	6.5	12	0
Stevens	0	0.0	0	0
Thurston	12	6.6	11	1
Lacey	2	8.8	2	0
Olympia	2	5.5	2	0
Wahkiakum	0	0.0	0	0
Walla Walla	3	5.8	3	0
Walla Walla (City)	1	3.5	1	0
Whatcom	4	2.8	4	0
Bellingham	2	3.6	2	0
Whitman	0	0.0	0	0
Pullman	0	0.0	0	0
Yakima	5	2.5	4	1
Yakima (City)	1	1.7	1	0

¹Rates per 100,000 population.

NOTE: Source for Human Immunodeficiency Virus is International Classification of Diseases (Ninth Revision).
Human Immunodeficiency Virus (ICD 042-044)

S02770A-HDE/DEAA23P1

Table 34. Deaths by Selected Accidents by Place of Residence, 1993

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		Other Accidents	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	1,646	31.4	727	13.9	315	6.0	88	1.7	60	1.1	456	8.7
Adams	8	55.9	6	42.0	0	0.0	0	0.0	0	0.0	2	14.0
Asotin	8	43.7	3	16.4	2	10.9	0	0.0	0	0.0	3	16.4
Benton	34	27.7	15	12.2	9	7.3	1	0.8	4	3.3	5	4.1
Kennewick	14	31.0	5	11.1	5	11.1	0	0.0	3	6.7	1	2.2
Richland	7	20.5	3	8.8	1	2.9	1	2.9	1	2.9	1	2.9
Chelan	16	28.6	7	12.5	4	7.1	1	1.8	0	0.0	4	7.1
Wenatchee	5	21.7	2	8.7	1	4.3	0	0.0	0	0.0	2	8.7
Clallam	22	35.8	9	14.7	6	9.8	1	1.6	0	0.0	6	9.8
Port Angeles	9	49.3	3	16.4	4	21.9	0	0.0	0	0.0	2	10.9
Clark	94	34.9	45	16.7	17	6.3	5	1.9	2	0.7	25	9.3
Vancouver	27	48.7	12	21.6	3	5.4	2	3.6	1	1.8	9	16.2
Columbia	2	48.8	1	24.4	0	0.0	0	0.0	0	0.0	1	24.4
Cowlitz	23	26.7	6	7.0	6	7.0	1	1.2	1	1.2	9	10.5
Longview	6	18.4	2	6.1	2	6.1	0	0.0	1	3.1	1	3.1
Douglas	12	42.1	8	28.1	1	3.5	1	3.5	1	3.5	1	3.5
Ferry	11	159.4	7	101.4	0	0.0	0	0.0	1	14.5	3	43.5
Franklin	14	34.1	10	24.3	0	0.0	2	4.9	0	0.0	2	4.9
Pasco	10	46.8	7	32.8	0	0.0	2	9.4	0	0.0	1	4.7
Garfield	2	87.0	2	87.0	0	0.0	0	0.0	0	0.0	0	0.0
Grant	23	38.1	15	24.9	0	0.0	1	1.7	0	0.0	7	11.6
Grays Harbor	46	69.2	21	31.6	9	13.5	0	0.0	2	3.0	14	21.1
Aberdeen	17	102.0	8	48.0	5	30.0	0	0.0	2	12.0	2	12.0
Island	19	28.6	6	9.0	3	4.5	2	3.0	1	1.5	7	10.5
Oak Harbor	5	26.4	2	10.6	0	0.0	1	5.3	0	0.0	2	10.6
Jefferson	6	25.5	3	12.8	0	0.0	0	0.0	0	0.0	3	12.8
King	425	26.8	160	10.1	82	5.2	26	1.6	11	0.7	146	9.2
Auburn	13	37.6	4	11.6	2	5.8	3	8.7	0	0.0	4	11.6
Bellevue	16	17.8	5	5.6	4	4.5	3	3.3	1	1.1	3	3.3
Des Moines	6	30.8	2	10.3	2	10.3	0	0.0	1	5.1	1	5.1
Federal Way	24	31.9	11	14.6	5	6.6	1	1.3	0	0.0	7	9.3
Kent	11	26.8	3	7.3	3	7.3	1	2.4	0	0.0	4	9.7
Kirkland	8	19.2	4	9.6	2	4.8	0	0.0	0	0.0	2	4.8
Mercer Island	1	4.7	1	4.7	0	0.0	0	0.0	0	0.0	0	0.0
Redmond	10	24.9	2	5.0	3	7.5	0	0.0	0	0.0	5	12.5
Renton	14	32.2	5	11.5	2	4.6	3	6.9	0	0.0	4	9.2
Sea Tac	4	17.5	1	4.4	0	0.0	0	0.0	0	0.0	3	13.1
Seattle	191	36.2	60	11.4	39	7.4	7	1.3	4	0.8	81	15.3
Kitsap	55	26.2	20	9.5	14	6.7	4	1.9	3	1.4	14	6.7
Bremerton	13	35.7	5	13.7	3	8.2	1	2.7	1	2.7	3	8.2
Bainbridge Island	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kittitas	7	24.0	3	10.3	2	6.8	0	0.0	0	0.0	2	6.8
Klickitat	10	57.1	3	17.1	3	17.1	1	5.7	2	11.4	1	5.7

Table 34. Deaths by Selected Accidents by Place of Residence, 1993

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		Other Accidents	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	32	50.9	16	25.4	8	12.7	0	0.0	0	0.0	8	12.7
Lincoln	6	65.2	3	32.6	1	10.9	1	10.9	0	0.0	1	10.9
Mason	18	42.0	7	16.3	4	9.3	0	0.0	0	0.0	7	16.3
Okanogan	17	48.0	9	25.4	4	11.3	1	2.8	0	0.0	3	8.5
Pacific	15	75.8	4	20.2	2	10.1	4	20.2	0	0.0	5	25.3
Pend Oreille	7	69.3	5	49.5	2	19.8	0	0.0	0	0.0	0	0.0
Pierce	153	23.9	78	12.2	23	3.6	9	1.4	4	0.6	39	6.1
Puyallup	2	7.7	1	3.8	0	0.0	0	0.0	0	0.0	1	3.8
Tacoma	67	37.0	30	16.6	14	7.7	2	1.1	2	1.1	19	10.5
San Juan	6	50.4	1	8.4	4	33.6	0	0.0	0	0.0	1	8.4
Skagit	34	38.4	13	14.7	7	7.9	1	1.1	2	2.3	11	12.4
Mount Vernon	8	39.1	2	9.8	2	9.8	0	0.0	0	0.0	4	19.6
Skamania	4	44.4	3	33.3	0	0.0	1	11.1	0	0.0	0	0.0
Snohomish	132	26.0	50	9.8	26	5.1	9	1.8	5	1.0	42	8.3
Edmonds	13	42.0	4	12.9	5	16.1	0	0.0	0	0.0	4	12.9
Everett	33	42.9	12	15.6	7	9.1	2	2.6	4	5.2	8	10.4
Lynnwood	8	27.0	0	0.0	2	6.8	0	0.0	0	0.0	6	20.3
Mountlake Terrace	1	5.0	0	0.0	0	0.0	0	0.0	0	0.0	1	5.0
Spokane	119	31.0	44	11.5	30	7.8	6	1.6	7	1.8	32	8.3
Spokane (City)	71	38.6	22	12.0	24	13.1	4	2.2	4	2.2	17	9.2
Stevens	19	56.9	10	29.9	4	12.0	1	3.0	0	0.0	4	12.0
Thurston	47	26.0	23	12.7	10	5.5	3	1.7	0	0.0	11	6.1
Lacey	9	39.7	3	13.2	4	17.7	1	4.4	0	0.0	1	4.4
Olympia	13	35.6	7	19.2	3	8.2	0	0.0	0	0.0	3	8.2
Wahkiakum	3	85.7	2	57.1	0	0.0	0	0.0	1	28.6	0	0.0
Walla Walla	32	61.8	16	30.9	9	17.4	0	0.0	3	5.8	4	7.7
Walla Walla (City)	23	79.8	10	34.7	7	24.3	0	0.0	3	10.4	3	10.4
Whatcom	58	41.2	28	19.9	9	6.4	3	2.1	7	5.0	11	7.8
Bellingham	25	45.1	8	14.4	5	9.0	2	3.6	1	1.8	9	16.2
Whitman	9	22.8	5	12.7	2	5.1	0	0.0	0	0.0	2	5.1
Pullman	2	8.5	1	4.3	0	0.0	0	0.0	0	0.0	1	4.3
Yakima	98	49.7	60	30.5	12	6.1	3	1.5	3	1.5	20	10.2
Yakima (City)	28	47.0	17	28.5	5	8.4	1	1.7	1	1.7	4	6.7

¹Rates per 100,000 population

NOTE: Source for Selected Accidents is International Classification of Diseases (Ninth Revision).

All Accidents (ICD E800-E949)

Motor Vehicle (ICD E810-E825, E929.0)

Falls (ICD E880-E888, E929.3)

Drownings (ICD E830, E832, E910)

Fires (ICD E890-E899, E929.4)

S06410D-HDE/DEAA17P4

Table 35. Deaths by External Causes by Place of Residence, 1993

County and City	Suicide		Homicide		Undetermined	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	692	13.2	274	5.2	106	2.0
Adams	1	7.0	0	0.0	0	0.0
Asotin	1	5.5	0	0.0	0	0.0
Benton	17	13.8	3	2.4	2	1.6
Kennewick	5	11.1	1	2.2	0	0.0
Richland	7	20.5	1	2.9	1	2.9
Chelan	12	21.4	2	3.6	0	0.0
Wenatchee	8	34.8	0	0.0	0	0.0
Clallam	15	24.4	5	8.1	0	0.0
Port Angeles	2	10.9	2	10.9	0	0.0
Clark	29	10.8	10	3.7	3	1.1
Vancouver	13	23.4	5	9.0	3	5.4
Columbia	0	0.0	0	0.0	0	0.0
Cowlitz	6	7.0	3	3.5	2	2.3
Longview	4	12.3	2	6.1	0	0.0
Douglas	3	10.5	1	3.5	0	0.0
Ferry	4	58.0	0	0.0	0	0.0
Franklin	11	26.8	6	14.6	2	4.9
Pasco	9	42.1	5	23.4	2	9.4
Garfield	0	0.0	0	0.0	0	0.0
Grant	8	13.3	5	8.3	1	1.7
Grays Harbor	8	12.0	3	4.5	3	4.5
Aberdeen	1	6.0	1	6.0	2	12.0
Island	15	22.6	1	1.5	1	1.5
Oak Harbor	5	26.4	1	5.3	0	0.0
Jefferson	2	8.5	0	0.0	1	4.3
King	203	12.8	106	6.7	34	2.1
Auburn	2	5.8	3	8.7	1	2.9
Bellevue	13	14.5	4	4.5	1	1.1
Des Moines	5	25.7	2	10.3	0	0.0
Federal Way	7	9.3	2	2.7	0	0.0
Kent	8	19.5	6	14.6	3	7.3
Kirkland	2	4.8	2	4.8	0	0.0
Mercer Island	2	9.4	1	4.7	0	0.0
Redmond	2	5.0	1	2.5	1	2.5
Renton	4	9.2	2	4.6	0	0.0
Sea Tac	3	13.1	2	8.8	1	4.4
Seattle	90	17.1	59	11.2	12	2.3
Kitsap	37	17.6	4	1.9	1	0.5
Bremerton	10	27.5	0	0.0	0	0.0
Bainbridge Island	0	0.0	0	0.0	0	0.0
Kittitas	5	17.1	0	0.0	0	0.0
Klickitat	2	11.4	0	0.0	0	0.0

Table 35. Deaths by External Causes by Place of Residence, 1993

County and City	Suicide		Homicide		Undetermined	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	15	23.8	2	3.2	0	0.0
Lincoln	2	21.7	1	10.9	0	0.0
Mason	11	25.6	4	9.3	1	2.3
Okanogan	6	16.9	0	0.0	1	2.8
Pacific	4	20.2	1	5.1	0	0.0
Pend Oreille	7	69.3	1	9.9	0	0.0
Pierce	76	11.9	57	8.9	28	4.4
Puyallup	4	15.3	1	3.8	0	0.0
Tacoma	21	11.6	32	17.7	15	8.3
San Juan	2	16.8	0	0.0	0	0.0
Skagit	13	14.7	7	7.9	3	3.4
Mount Vernon	1	4.9	3	14.7	0	0.0
Skamania	3	33.3	0	0.0	1	11.1
Snohomish	64	12.6	12	2.4	7	1.4
Edmonds	1	3.2	1	3.2	0	0.0
Everett	19	24.7	3	3.9	4	5.2
Lynnwood	6	20.3	1	3.4	1	3.4
Mountlake Terrace	0	0.0	0	0.0	0	0.0
Spokane	38	9.9	16	4.2	6	1.6
Spokane (City)	22	12.0	11	6.0	4	2.2
Stevens	4	12.0	3	9.0	0	0.0
Thurston	22	12.2	2	1.1	1	0.6
Lacey	0	0.0	1	4.4	0	0.0
Olympia	8	21.9	0	0.0	0	0.0
Wahkiakum	1	28.6	0	0.0	0	0.0
Walla Walla	6	11.6	0	0.0	1	1.9
Walla Walla (City)	5	17.3	0	0.0	1	3.5
Whatcom	13	9.2	2	1.4	3	2.1
Bellingham	8	14.4	1	1.8	0	0.0
Whitman	3	7.6	1	2.5	0	0.0
Pullman	1	4.3	1	4.3	0	0.0
Yakima	23	11.7	16	8.1	4	2.0
Yakima (City)	8	13.4	4	6.7	1	1.7

¹Rates per 100,000 population.

NOTE: Source for External Causes is International Classification of Diseases (Ninth Revision).

Suicide (ICD E950-E959)

Homicide (ICD E960-E969)

Undetermined (ICD E980-E989)

S05410E-HDE/DEAA17P5

Table 36. Deaths Due to Human Immunodeficiency Virus by Sex by Place of Occurrence, 1993

County and City	Total		Male	Female
	Number	Rate ¹		
State Total	535	10.2	508	27
Adams	0	0.0	0	0
Asotin	1	5.5	1	0
Benton	1	0.8	1	0
Kennewick	0	0.0	0	0
Richland	1	2.9	1	0
Chelan	3	5.4	3	0
Wenatchee	2	8.7	2	0
Clallam	3	4.9	2	1
Port Angeles	2	10.9	2	0
Clark	15	5.6	12	3
Vancouver	14	25.2	11	3
Columbia	0	0.0	0	0
Cowlitz	3	3.5	3	0
Longview	3	9.2	3	0
Douglas	0	0.0	0	0
Ferry	0	0.0	0	0
Franklin	0	0.0	0	0
Pasco	0	0.0	0	0
Garfield	0	0.0	0	0
Grant	2	3.3	2	0
Grays Harbor	4	6.0	4	0
Aberdeen	2	12.0	2	0
Island	3	4.5	3	0
Oak Harbor	1	5.3	1	0
Jefferson	3	12.8	2	1
King	394	24.8	380	14
Auburn	1	2.9	1	0
Bellevue	4	4.5	4	0
Des Moines	1	5.1	1	0
Federal Way	2	2.7	2	0
Kent	0	0.0	0	0
Kirkland	10	24.0	10	0
Mercer Island	1	4.7	1	0
Redmond	4	10.0	4	0
Renton	3	6.9	3	0
Sea Tac	0	0.0	0	0
Seattle	366	69.4	352	14
Kitsap	7	3.3	7	0
Bremerton	3	8.2	3	0
Bainbridge Island	0	0.0	0	0
Kittitas	0	0.0	0	0
Klickitat	0	0.0	0	0

**Table 36. Deaths Due to Human Immunodeficiency Virus by Sex
by Place of Occurrence, 1993**

County and City	Total		Male	Female
	Number	Rate ¹		
Lewis	2	3.2	1	1
Lincoln	0	0.0	0	0
Mason	4	9.3	4	0
Okanogan	0	0.0	0	0
Pacific	1	5.1	1	0
Pend Oreille	0	0.0	0	0
Pierce	29	4.5	26	3
Puyallup	0	0.0	0	0
Tacoma	28	15.5	25	3
San Juan	0	0.0	0	0
Skagit	6	6.8	5	1
Mount Vernon	2	9.8	2	0
Skamania	0	0.0	0	0
Snohomish	7	1.4	6	1
Edmonds	1	3.2	1	0
Everett	3	3.9	3	0
Lynnwood	0	0.0	0	0
Mountlake Terrace	1	5.0	1	0
Spokane	22	5.7	22	0
Spokane (City)	20	10.9	20	0
Stevens	0	0.0	0	0
Thurston	14	7.8	13	1
Lacey	1	4.4	1	0
Olympia	11	30.1	11	0
Wahkiakum	0	0.0	0	0
Walla Walla	4	7.7	4	0
Walla Walla (City)	4	13.9	4	0
Whatcom	4	2.8	4	0
Bellingham	4	7.2	4	0
Whitman	0	0.0	0	0
Pullman	0	0.0	0	0
Yakima	3	1.5	2	1
Yakima (City)	2	3.4	1	1

¹Rates per 100,000 population

NOTE: Source for Human Immunodeficiency Virus is International Classification of Diseases (Ninth Revision).
Human Immunodeficiency Virus (ICD 042-044)

SO2780A-HDE/DEAA23P2

Table 37. Deaths by Selected Accidents by Place of Occurrence, 1993

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		Other Accidents	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	1,641	31.3	713	13.6	314	6.0	92	1.8	61	1.2	461	8.8
Adams	10	69.9	9	62.9	0	0.0	0	0.0	0	0.0	1	7.0
Asotin	5	27.3	2	10.9	2	10.9	0	0.0	0	0.0	1	5.5
Benton	25	20.4	11	9.0	7	5.7	2	1.6	2	1.6	3	2.4
Kennewick	9	20.0	3	6.7	4	8.9	0	0.0	1	2.2	1	2.2
Richland	8	23.5	3	8.8	2	5.9	1	2.9	1	2.9	1	2.9
Chelan	31	55.4	16	28.6	4	7.1	5	8.9	1	1.8	5	8.9
Wenatchee	13	56.5	4	17.4	3	13.0	3	13.0	1	4.3	2	8.7
Clallam	19	30.9	5	8.1	8	13.0	1	1.6	0	0.0	5	8.1
Port Angeles	11	60.2	3	16.4	6	32.8	1	5.5	0	0.0	1	5.5
Clark	74	27.5	35	13.0	16	5.9	3	1.1	2	0.7	18	6.7
Vancouver	52	93.8	20	36.1	14	25.2	1	1.8	2	3.6	15	27.1
Columbia	1	24.4	0	0.0	0	0.0	0	0.0	0	0.0	1	24.4
Cowlitz	31	36.0	7	8.1	5	5.8	2	2.3	1	1.2	16	18.6
Longview	15	45.9	3	9.2	5	15.3	1	3.1	1	3.1	5	15.3
Douglas	14	49.1	12	42.1	1	3.5	0	0.0	0	0.0	1	3.5
Ferry	16	231.9	7	101.4	0	0.0	3	43.5	2	29.0	4	58.0
Franklin	19	46.2	15	36.5	0	0.0	2	4.9	0	0.0	2	4.9
Pasco	15	70.2	12	56.2	0	0.0	1	4.7	0	0.0	2	9.4
Garfield	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Grant	22	36.5	17	28.2	0	0.0	1	1.7	0	0.0	4	6.6
Grays Harbor	34	51.1	15	22.6	3	4.5	2	3.0	2	3.0	12	18.0
Aberdeen	14	84.0	6	36.0	1	6.0	0	0.0	2	12.0	5	30.0
Island	12	18.0	6	9.0	2	3.0	1	1.5	1	1.5	2	3.0
Oak Harbor	1	5.3	1	5.3	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	6	25.5	3	12.8	1	4.3	1	4.3	0	0.0	1	4.3
King	470	29.6	173	10.9	88	5.5	24	1.5	20	1.3	165	10.4
Auburn	11	31.8	3	8.7	2	5.8	1	2.9	1	2.9	4	11.6
Bellevue	18	20.1	4	4.5	5	5.6	3	3.3	2	2.2	4	4.5
Des Moines	2	10.3	0	0.0	0	0.0	0	0.0	1	5.1	1	5.1
Federal Way	15	19.9	7	9.3	3	4.0	1	1.3	0	0.0	4	5.3
Kent	15	36.5	7	17.0	0	0.0	0	0.0	1	2.4	7	17.0
Kirkland	8	19.2	2	4.8	3	7.2	0	0.0	0	0.0	3	7.2
Mercer Island	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Redmond	7	17.5	1	2.5	4	10.0	0	0.0	0	0.0	2	5.0
Renton	21	48.3	5	11.5	10	23.0	1	2.3	0	0.0	5	11.5
Sea Tac	1	4.4	0	0.0	0	0.0	0	0.0	0	0.0	1	4.4
Seattle	327	62.0	128	24.3	53	10.0	14	2.7	14	2.7	118	22.4
Kitsap	42	20.0	16	7.6	8	3.8	3	1.4	2	1.0	13	6.2
Bremerton	21	57.7	6	16.5	7	19.2	0	0.0	2	5.5	6	16.5
Bainbridge Island	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kittitas	19	65.1	11	37.7	2	6.8	0	0.0	0	0.0	6	20.5
Klickitat	10	57.1	2	11.4	2	11.4	2	11.4	2	11.4	2	11.4

Table 37. Deaths by Selected Accidents by Place of Occurrence, 1993

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		Other Accidents	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	31	49.3	17	27.0	7	11.1	1	1.6	0	0.0	6	9.5
Lincoln	3	32.6	1	10.9	1	10.9	0	0.0	0	0.0	1	10.9
Mason	14	32.6	4	9.3	4	9.3	0	0.0	0	0.0	6	14.0
Okanogan	16	45.2	7	19.8	3	8.5	3	8.5	0	0.0	3	8.5
Pacific	18	90.9	6	30.3	1	5.1	7	35.4	1	5.1	3	15.2
Pend Oreille	7	69.3	3	29.7	2	19.8	0	0.0	0	0.0	2	19.8
Pierce	117	18.3	56	8.7	20	3.1	6	0.9	3	0.5	32	5.0
Puyallup	15	57.4	8	30.6	2	7.7	0	0.0	0	0.0	5	19.1
Tacoma	75	41.4	30	16.6	17	9.4	3	1.7	3	1.7	22	12.1
San Juan	3	25.2	1	8.4	2	16.8	0	0.0	0	0.0	0	0.0
Skagit	36	40.7	14	15.8	7	7.9	1	1.1	2	2.3	12	13.6
Mount Vernon	14	68.5	7	34.2	2	9.8	1	4.9	0	0.0	4	19.6
Skamania	7	77.8	3	33.3	1	11.1	1	11.1	0	0.0	2	22.2
Snohomish	126	24.8	43	8.5	31	6.1	9	1.8	2	0.4	41	8.1
Edmonds	12	38.7	2	6.5	5	16.1	2	6.5	0	0.0	3	9.7
Everett	35	45.5	12	15.6	11	14.3	1	1.3	1	1.3	10	13.0
Lynnwood	14	47.3	4	13.5	5	16.9	0	0.0	0	0.0	5	16.9
Mountlake Terrace	4	20.1	2	10.1	0	0.0	0	0.0	0	0.0	2	10.1
Spokane	129	33.6	53	13.8	33	8.6	5	1.3	4	1.0	34	8.9
Spokane (City)	115	62.6	46	25.0	30	16.3	4	2.2	3	1.6	32	17.4
Stevens	15	44.9	7	21.0	2	6.0	2	6.0	0	0.0	4	12.0
Thurston	58	32.1	26	14.4	18	10.0	0	0.0	0	0.0	14	7.8
Lacey	6	26.5	1	4.4	2	8.8	0	0.0	0	0.0	3	13.2
Olympia	40	109.5	16	43.8	16	43.8	0	0.0	0	0.0	8	21.9
Wahkiakum	4	114.3	2	57.1	0	0.0	1	28.6	1	28.6	0	0.0
Walla Walla	43	83.0	25	48.3	10	19.3	1	1.9	3	5.8	4	7.7
Walla Walla (City)	38	131.9	21	72.9	9	31.2	1	3.5	3	10.4	4	13.9
Whatcom	61	43.3	29	20.6	10	7.1	0	0.0	7	5.0	15	10.6
Bellingham	39	70.3	18	32.4	8	14.4	0	0.0	3	5.4	10	18.0
Whitman	5	12.7	1	2.5	2	5.1	0	0.0	0	0.0	2	5.1
Pullman	1	4.3	0	0.0	0	0.0	0	0.0	0	0.0	1	4.3
Yakima	88	44.7	53	26.9	11	5.6	3	1.5	3	1.5	18	9.1
Yakima (City)	36	60.4	17	28.5	8	13.4	2	3.4	1	1.7	8	13.4

¹Rates per 100,000 population

NOTE: Source for Selected Accidents is International Classification of Diseases (Ninth Revision).

All Accidents (ICD E800-E949)

Motor Vehicle (ICD E810-E825, E929.0)

Falls (ICD E880-E888, E929.3)

Drownings (ICD E830, E832, E910)

Fires (ICD E890-E899, E929.4)

S02420A-HDE/DEAA17P1

Table 38. Deaths by External Causes by Place of Occurrence, 1993

County and City	Suicide		Homicide		Undetermined	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	689	13.1	280	5.3	111	2.1
Adams	1	7.0	0	0.0	0	0.0
Asotin	1	5.5	0	0.0	0	0.0
Benton	15	12.2	3	2.4	2	1.6
Kennewick	7	15.5	2	4.4	1	2.2
Richland	7	20.5	1	2.9	0	0.0
Chelan	8	14.3	2	3.6	0	0.0
Wenatchee	5	21.7	1	4.3	0	0.0
Clallam	15	24.4	2	3.3	0	0.0
Port Angeles	3	16.4	1	5.5	0	0.0
Clark	24	8.9	9	3.3	4	1.5
Vancouver	17	30.7	8	14.4	3	5.4
Columbia	0	0.0	0	0.0	0	0.0
Cowlitz	6	7.0	3	3.5	1	1.2
Longview	4	12.3	2	6.1	1	3.1
Douglas	3	10.5	0	0.0	0	0.0
Ferry	4	58.0	0	0.0	0	0.0
Franklin	7	17.0	6	14.6	2	4.9
Pasco	6	28.1	5	23.4	2	9.4
Garfield	0	0.0	0	0.0	0	0.0
Grant	7	11.6	3	5.0	2	3.3
Grays Harbor	8	12.0	2	3.0	2	3.0
Aberdeen	1	6.0	1	6.0	2	12.0
Island	15	22.6	1	1.5	1	1.5
Oak Harbor	7	37.0	1	5.3	0	0.0
Jefferson	2	8.5	1	4.3	1	4.3
King	212	13.4	120	7.6	40	2.5
Auburn	9	26.0	3	8.7	1	2.9
Bellevue	11	12.3	3	3.3	1	1.1
Des Moines	1	5.1	0	0.0	0	0.0
Federal Way	5	6.6	3	4.0	0	0.0
Kent	13	31.6	4	9.7	1	2.4
Kirkland	3	7.2	1	2.4	3	7.2
Mercer Island	3	14.1	0	0.0	0	0.0
Redmond	3	7.5	1	2.5	1	2.5
Renton	15	34.5	3	6.9	1	2.3
Sea Tac	2	8.8	3	13.1	1	4.4
Seattle	123	23.3	91	17.2	30	5.7
Kitsap	32	15.2	2	1.0	1	0.5
Bremerton	15	41.2	0	0.0	0	0.0
Bainbridge Island	0	0.0	0	0.0	0	0.0
Kittitas	6	20.5	0	0.0	1	3.4
Klickitat	2	11.4	0	0.0	0	0.0

Table 38. Deaths by External Causes by Place of Occurrence, 1993

County and City	Suicide		Homicide		Undetermined	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Lewis	19	30.2	1	1.6	0	0.0
Lincoln	2	21.7	0	0.0	0	0.0
Mason	11	25.6	4	9.3	0	0.0
Okanogan	6	16.9	0	0.0	1	2.8
Pacific	3	15.2	1	5.1	1	5.1
Pend Oreille	8	79.2	1	9.9	0	0.0
Pierce	73	11.4	57	8.9	31	4.8
Puyallup	9	34.4	4	15.3	0	0.0
Tacoma	47	25.9	47	25.9	25	13.8
San Juan	1	8.4	0	0.0	0	0.0
Skagit	16	18.1	6	6.8	3	3.4
Mount Vernon	4	19.6	4	19.6	0	0.0
Skamania	4	44.4	1	11.1	1	11.1
Snohomish	65	12.8	11	2.2	6	1.2
Edmonds	3	9.7	1	3.2	1	3.2
Everett	23	29.9	6	7.8	4	5.2
Lynnwood	6	20.3	1	3.4	1	3.4
Mountlake Terrace	0	0.0	0	0.0	0	0.0
Spokane	39	10.2	20	5.2	5	1.3
Spokane (City)	38	20.7	20	10.9	4	2.2
Stevens	4	12.0	3	9.0	0	0.0
Thurston	21	11.6	2	1.1	0	0.0
Lacey	1	4.4	0	0.0	0	0.0
Olympia	12	32.9	2	5.5	0	0.0
Wahkiakum	1	28.6	0	0.0	0	0.0
Walla Walla	8	15.4	0	0.0	1	1.9
Walla Walla (City)	6	20.8	0	0.0	1	3.5
Whatcom	13	9.2	3	2.1	3	2.1
Bellingham	9	16.2	3	5.4	2	3.6
Whitman	4	10.2	1	2.5	0	0.0
Pullman	1	4.3	1	4.3	0	0.0
Yakima	23	11.7	15	7.6	2	1.0
Yakima (City)	10	16.8	8	13.4	2	3.4

¹Rates per 100,000 population

NOTE: Source for External Causes is International Classification of Diseases (Ninth Revision).

Suicide (ICD E950-E959)

Homicide (ICD E960-E969)

Undetermined (ICD E980-E989)

S024208-HDE/DEAA17P2

Table 39. Deaths by Type of Place by Place of Occurrence, 1993

County and City	Total	General Hospital	Nursing Home	Home	Federal Facility	Psychiatric Hospital	Dead on Arrival	Other and Not Specified
State Total	40,541	14,784	12,211	10,958	816	54	38	1,680
Adams	100	34	36	21	0	0	0	9
Asotin	202	67	88	41	0	0	0	6
Benton	693	293	167	214	0	0	0	19
Kennewick	319	112	94	107	0	0	0	6
Richland	264	154	38	67	0	0	0	5
Chelan	654	320	200	110	0	0	1	23
Wenatchee	472	281	125	60	0	0	0	6
Clallam	636	214	189	207	0	0	2	24
Port Angeles	356	175	78	95	0	0	0	8
Clark	1,740	487	532	595	2	0	2	122
Vancouver	1,428	485	401	458	2	0	2	80
Columbia	36	13	13	8	0	0	0	2
Cowlitz	867	299	355	145	0	0	0	68
Longview	754	299	326	85	0	0	0	44
Douglas	111	0	44	50	0	0	0	17
Ferry	51	16	2	15	0	0	0	18
Franklin	282	143	47	68	0	0	2	22
Pasco	263	143	46	59	0	0	2	13
Garfield	25	8	15	2	0	0	0	0
Grant	385	183	94	85	0	0	0	23
Grays Harbor	598	202	186	182	0	0	1	27
Aberdeen	339	185	89	55	0	0	1	9
Island	332	68	92	160	0	0	0	12
Oak Harbor	97	0	33	60	0	0	0	4
Jefferson	183	65	37	69	0	0	0	12
King	12,636	4,870	3,810	3,184	255	0	11	506
Auburn	419	153	127	123	0	0	0	16
Bellevue	802	320	270	184	0	0	1	27
Des Moines	289	0	241	44	0	0	0	4
Federal Way	352	108	110	118	0	0	0	16
Kent	228	0	2	202	0	0	0	24
Kirkland	666	207	303	111	0	0	0	45
Mercer Island	83	0	37	45	0	0	0	1
Redmond	323	131	112	67	0	0	0	13
Renton	731	348	183	170	1	0	0	29
Sea Tac	49	0	2	33	0	0	0	14
Seattle	7,769	3,403	2,119	1,728	253	0	10	256
Kitsap	1,304	428	404	405	32	0	2	33
Bremerton	821	425	204	149	32	0	1	10
Bainbridge Island	6	0	6	0	0	0	0	0
Kittitas	204	54	76	51	0	0	0	23
Klickitat	126	36	30	50	0	0	1	9

Table 39. Deaths by Type of Place by Place of Occurrence, 1993

County and City	Total	General Hospital	Nursing Home	Home	Federal Facility	Psychiatric Hospital	Dead on Arrival	Other and Not Specified
Lewis	608	214	190	171	0	0	0	33
Lincoln	68	26	23	12	0	0	0	7
Mason	296	85	90	109	0	0	1	11
Okanogan	305	94	100	82	0	0	0	29
Pacific	221	61	67	74	0	0	1	18
Pend Oreille	88	32	16	33	0	0	0	7
Pierce	4,670	1,610	1,333	1,249	344	32	2	100
Puyallup	726	362	210	148	1	0	0	5
Tacoma	3,445	1,243	1,000	799	337	18	1	47
San Juan	77	0	29	36	0	0	1	11
Skagit	864	318	287	222	0	0	0	37
Mount Vernon	317	136	96	71	0	0	0	14
Skamania	47	0	0	32	0	0	0	15
Snohomish	2,954	919	892	1,046	0	0	4	93
Edmonds	529	248	146	126	0	0	2	7
Everett	1,127	558	252	294	0	0	0	23
Lynnwood	248	1	123	114	0	0	0	10
Mountlake Terrace	32	0	2	26	0	0	0	4
Spokane	3,950	1,756	1,094	834	130	22	2	112
Spokane (City)	3,671	1,739	991	718	128	2	2	91
Stevens	192	50	63	66	0	0	0	13
Thurston	1,391	538	383	429	0	0	1	40
Lacey	201	2	121	74	0	0	0	4
Olympia	1,028	532	251	228	0	0	1	16
Wahkiakum	41	1	25	12	0	0	0	3
Walla Walla	623	222	222	100	53	0	2	24
Walla Walla (City)	536	222	164	79	53	0	2	16
Whatcom	1,124	257	450	351	0	0	1	65
Bellingham	839	254	351	204	0	0	1	29
Whitman	187	42	90	47	0	0	0	8
Pullman	65	22	29	13	0	0	0	1
Yakima	1,670	759	440	391	0	0	1	79
Yakima (City)	1,145	615	284	219	0	0	0	27

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Table 40a. Infant Mortality to Residents by Cause¹ by Age and Sex, 1993

Cause and International List Number	Total		Under 1 Day		Under 7 Days		7 Days to Under 28 Days	
	Male	Female	Male	Female	Male	Female	Male	Female
	Total All Causes	272	223	78	57	32	25	36
All Infective and Parasitic Diseases (000-139)	8	9	1	0	0	0	2	1
Malignant Neoplasms (140-208,230-234)	1	0	0	0	0	0	0	0
Meningitis (320,322)	0	0	0	0	0	0	0	0
Diseases of the Circulatory System (390-459)	2	7	0	1	0	2	0	1
Pneumonia and Influenza (480-487)	5	5	0	2	0	0	0	0
Other Diseases of Respiratory System (510-519)	1	1	0	0	0	1	0	0
Hernia and Intestinal Obstruction (550-553,560)	0	1	0	0	0	0	0	0
Congenital Anomalies (740-759)	64	52	24	19	11	9	11	8
Anencephalus (740)	1	3	1	3	0	0	0	0
Spina Bifida and Meningocele (741)	0	0	0	0	0	0	0	0
Other Anomalies of the Central Nervous System (742)	2	5	2	1	0	1	0	0
Anomalies of the Heart (745-746)	24	18	1	3	7	4	7	6
Other Anomalies of Circulatory System (747)	1	3	0	0	1	1	0	0
Anomalies of the Respiratory System (748)	10	6	7	3	1	1	1	1
Anomalies of the Digestive System (749-751)	1	1	0	0	0	0	0	0
Anomalies of the Genitourinary System (752-753)	7	4	6	4	0	0	1	0
Anomalies of the Musculoskeletal System (754-756)	3	5	1	3	0	0	0	0
Chromosomal Anomalies (758)	11	3	5	0	2	2	1	1
Other Congenital Anomalies	4	4	1	2	0	0	1	0
Certain Conditions in Perinatal Period (760-779)	92	58	52	33	20	12	12	3
Maternal Diseases Affecting Child (760)	1	1	1	1	0	0	0	0
Complications of Pregnancy Affecting Child (761-762)	10	8	8	7	2	1	0	0
Birth injuries (763,767-769)	21	15	5	7	9	6	2	0
Other Diseases Peculiar to Early Infancy	60	34	38	18	9	5	10	3
Sudden Infant Death Syndrome (798.0)	72	67	0	0	0	0	5	3
All Other Diseases (000-799)	13	13	0	1	0	1	4	2
All Accidents (E800-E949)	14	4	1	0	1	0	2	0
Motor Vehicle Accidents (E810-E825)	2	2	0	0	0	0	0	0
Accidental Drowning and Submersion (E910)	1	0	0	0	0	0	0	0
Inhalation of Food or Other Object Causing Obstruction or Suffocation (E911-E912)	3	0	0	0	0	0	0	0
Mechanical Suffocation in Bed or Cradle and in Other and Unspecified Circumstances (E913)	6	2	0	0	0	0	2	0
All Other Accidents	2	0	1	0	1	0	0	0
Homicide (E963-E968)	0	5	0	0	0	0	0	0
Injury Undetermined Whether Accidentally or Purposely Inflicted (E980-E988)	0	2	0	1	0	0	0	0

¹Totals for sub-groups by selected causes are shaded.

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NOTE: The column totals for males and females equal the sums of infant deaths by gender shown in Tables 40a and 40b.

Table 40b. Infant Mortality to Residents by Cause¹ by Age and Sex, 1993

Cause and International Number	28 Days to Under 3 Months		3 Months to Under 6 Months		6 Months to Under 9 Months		9 Months to Under 12 Months	
	Male	Female	Male	Female	Male	Female	Male	Female
	Total All Causes	64	53	43	50	11	16	8
All Infective and Parasitic Diseases (000-139)	3	4	0	1	1	1	1	2
Malignant Neoplasms (140-208,230-234)	0	0	0	0	0	0	1	0
Meningitis (320,322)	0	0	0	0	0	0	0	0
Diseases of the Circulatory System (390-459)	1	1	1	2	0	0	0	0
Pneumonia and Influenza (480-487)	1	0	4	3	0	0	0	0
Other Diseases of Respiratory System (510-519)	0	0	0	0	0	0	1	0
Hernia and Intestinal Obstruction (550-553,560)	0	0	0	0	0	1	0	0
Congenital Anomalies (740-759)	10	8	5	6	3	2	0	0
Anencephalus (740)	0	0	0	0	0	0	0	0
Spina Bifida and Meningocele (741)	0	0	0	0	0	0	0	0
Other Anomalies of the Central Nervous System (742)	0	0	0	2	0	1	0	0
Anomalies of the Heart (745-746)	5	2	2	3	2	0	0	0
Other Anomalies of Circulatory System (747)	0	1	0	1	0	0	0	0
Anomalies of the Respiratory System (748)	1	1	0	0	0	0	0	0
Anomalies of the Digestive System (749-751)	0	1	0	0	1	0	0	0
Anomalies of the Genitourinary System (752-753)	0	0	0	0	0	0	0	0
Anomalies of the Musculoskeletal System (754-756)	1	1	1	0	0	1	0	0
Chromosomal Anomalies (758)	2	0	1	0	0	0	0	0
Other Congenital Anomalies	1	2	1	0	0	0	0	0
Certain Conditions in Perinatal Period (760-779)	5	6	3	3	0	1	0	0
Maternal Diseases Affecting Child (760)	0	0	0	0	0	0	0	0
Complications of Pregnancy Affecting Child (761-762)	0	0	0	0	0	0	0	0
Birth injuries (763,767-769)	4	1	1	1	0	0	0	0
Other Diseases Peculiar to Early Infancy	1	5	2	2	0	1	0	0
Sudden Infant Death Syndrome (798.0)	39	26	23	29	4	7	1	2
All Other Diseases (000-799)	3	2	4	6	2	1	0	0
All Accidents (E800-E949)	2	3	3	0	1	1	4	0
Motor Vehicle Accidents (E810-E825)	0	1	1	0	0	1	1	0
Accidental Drowning and Submersion (E910)	0	0	0	0	0	0	1	0
Inhalation of Food or Other Object Causing Obstruction or Suffocation (E911-E912)	0	0	2	0	1	0	0	0
Mechanical Suffocation in Bed or Cradle and in Other and Unspecified Circumstances (E913)	2	2	0	0	0	0	2	0
All Other Accidents	0	0	0	0	0	0	0	0
Homicide (E963-E968)	0	3	0	0	0	2	0	0
Injury Undetermined Whether Accidentally or Purposely Inflicted (E980-E988)	0	1	0	0	0	0	0	0

¹Totals for sub-groups by selected causes are shaded.

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Table 41. Infant Mortality by Selected Causes by Place of Residence, 1993

County and City	Total All Causes	Birth Injuries	Other Conditions of Perinatal Period	Congenital Malformations	Pneumonia and Influenza	All Accidents	Sudden Infant Death	All Other Causes
State Total	495	36	114	116	10	18	139	62
Adams	1	0	0	1	0	0	0	0
Asotin	3	0	1	0	0	0	2	0
Benton	16	3	3	5	0	1	1	3
Kennewick	7	1	3	1	0	0	1	1
Richland	4	1	0	1	0	0	0	2
Chelan	3	0	0	0	0	0	0	3
Wenatchee	1	0	0	0	0	0	0	1
Clallam	8	0	0	2	0	0	3	3
Port Angeles	4	0	0	1	0	0	2	1
Clark	22	0	7	6	0	1	5	3
Vancouver	10	0	2	2	0	1	4	1
Columbia	0	0	0	0	0	0	0	0
Cowlitz	10	0	2	3	0	0	4	1
Longview	3	0	0	1	0	0	2	0
Douglas	0	0	0	0	0	0	0	0
Ferry	1	0	0	0	0	0	1	0
Franklin	7	0	1	2	0	0	3	1
Pasco	5	0	0	2	0	0	2	1
Garfield	0	0	0	0	0	0	0	0
Grant	9	0	3	4	0	1	0	1
Grays Harbor	8	0	1	0	0	1	4	2
Aberdeen	1	0	0	0	0	0	1	0
Island	6	0	2	2	0	0	1	1
Oak Harbor	2	0	1	0	0	0	0	1
Jefferson	2	0	1	0	0	0	1	0
King	123	12	36	22	1	3	32	17
Auburn	5	2	1	1	0	0	1	0
Bellevue	8	2	3	2	1	0	0	0
Des Moines	1	0	0	0	0	0	1	0
Federal Way	6	0	2	1	0	1	1	1
Kent	4	0	1	1	0	0	2	0
Kirkland	2	0	1	1	0	0	0	0
Mercer Island	1	0	0	0	0	0	1	0
Redmond	2	0	0	0	0	0	0	2
Renton	6	0	1	2	0	0	2	1
Sea Tac	2	0	1	0	0	0	0	1
Seattle	44	4	13	7	0	1	12	7
Kitsap	18	0	5	4	1	2	4	2
Bremerton	8	0	4	0	1	1	1	1
Bainbridge Island	0	0	0	0	0	0	0	0
Kittitas	1	0	0	1	0	0	0	0
Klickitat	3	0	0	2	0	0	1	0

Table 41. Infant Mortality by Selected Causes by Place of Residence, 1993

County and City	Total All Causes	Birth Injuries	Other Conditions of Perinatal Period	Congenital Malformations	Pneumonia and Influenza	All Accidents	Sudden Infant Death	All Other Causes
Lewis	6	0	1	3	0	0	1	1
Lincoln	0	0	0	0	0	0	0	0
Mason	3	0	1	0	0	0	2	0
Okanogan	4	1	1	1	0	0	1	0
Pacific	0	0	0	0	0	0	0	0
Pend Oreille	2	0	0	1	1	0	0	0
Pierce	74	9	13	17	1	1	24	9
Puyallup	3	0	0	0	0	0	2	1
Tacoma	30	7	5	7	0	1	8	2
San Juan	0	0	0	0	0	0	0	0
Skagit	5	1	0	0	0	0	3	1
Mount Vernon	0	0	0	0	0	0	0	0
Skamania	2	0	0	1	0	0	0	1
Snohomish	47	5	11	10	2	3	15	1
Edmonds	4	0	1	2	0	0	0	1
Everett	9	1	3	2	0	1	2	0
Lynnwood	3	1	0	0	0	0	2	0
Mountlake Terrace	1	0	0	0	0	0	1	0
Spokane	44	2	10	10	2	4	13	3
Spokane (City)	21	2	4	4	1	2	7	1
Stevens	2	0	1	0	0	0	0	1
Thurston	10	1	2	3	1	0	3	0
Lacey	1	0	0	1	0	0	0	0
Olympia	3	0	0	2	0	0	1	0
Wahkiakum	0	0	0	0	0	0	0	0
Walla Walla	4	0	0	2	0	0	2	0
Walla Walla (City)	3	0	0	2	0	0	1	0
Whatcom	11	2	0	2	0	0	4	3
Bellingham	4	1	0	1	0	0	1	1
Whitman	3	0	0	2	0	0	0	1
Pullman	3	0	0	2	0	0	0	1
Yakima	37	0	12	10	1	1	9	4
Yakima (City)	13	0	2	4	1	1	2	3

NOTE: Source for Selected Causes is International Classification of Diseases (Ninth Revision).

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Birth Injuries (ICD 763, 767-769)

Other Conditions of Perinatal Period (ICD 760-762, 764-766, 770-779)

Congenital Malformations (ICD 740-759)

Pneumonia and Influenza (ICD 480-487)

All Accidents (ICD E800-E949)

Sudden Infant Death (ICD 798.0)

NOTE: Tables on Infant Mortality by Mother's Race, Child's Race, and Mother's Age, are not shown for 1993 on the following pages because the linked infant death-birth file for 1993 was not available at the time of publication.

Table 42. Fetal Deaths, Perinatal, Neonatal and Infant Mortality by Place of Residence, 1993

County and City	Fetal Deaths		Perinatal Mortality ²		Neonatal Mortality		Infant Mortality	
	Number	Ratio ¹	Number	Rate ³	Number	Rate ⁴	Number	Rate ⁴
State Total	395	5.0	587	7.4	246	3.1	495	6.3
Adams	1	2.9	2	5.9	1	2.9	1	2.9
Asotin	0	0.0	1	4.0	2	7.9	3	11.9
Benton	8	4.0	18	9.1	10	5.1	16	8.1
Kennewick	2	2.4	6	7.1	4	4.7	7	8.3
Richland	1	2.1	3	6.3	2	4.2	4	8.5
Chelan	2	2.1	3	3.2	1	1.1	3	3.2
Wenatchee	1	2.2	1	2.2	0	0.0	1	2.2
Clallam	7	10.2	7	10.1	3	4.4	8	11.7
Port Angeles	3	12.4	3	12.3	2	8.3	4	16.6
Clark	11	2.7	21	5.1	12	2.9	22	5.3
Vancouver	4	3.3	6	4.9	3	2.5	10	8.2
Columbia	0	0.0	0	0.0	0	0.0	0	0.0
Cowlitz	5	4.1	6	4.9	5	4.1	10	8.3
Longview	3	5.8	4	7.7	2	3.9	3	5.8
Douglas	2	4.5	2	4.5	0	0.0	0	0.0
Ferry	1	13.2	1	13.0	0	0.0	1	13.2
Franklin	6	6.1	8	8.1	2	2.0	7	7.1
Pasco	5	7.9	7	11.0	2	3.2	5	7.9
Garfield	0	0.0	0	0.0	0	0.0	0	0.0
Grant	3	2.6	10	8.5	7	6.0	9	7.7
Grays Harbor	2	2.3	4	4.6	2	2.3	8	9.3
Aberdeen	0	0.0	0	0.0	0	0.0	1	4.3
Island	4	3.9	6	5.8	3	2.9	6	5.8
Oak Harbor	3	6.4	4	8.5	1	2.1	2	4.3
Jefferson	1	4.2	2	8.4	1	4.2	2	8.5
King	125	5.6	175	7.8	61	2.7	123	5.5
Auburn	2	2.7	5	6.7	3	4.0	5	6.7
Bellevue	4	3.5	9	7.9	6	5.3	8	7.1
Des Moines	3	17.0	3	16.8	0	0.0	1	5.7
Federal Way	7	6.0	9	7.6	3	2.6	6	5.1
Kent	7	5.9	9	7.5	2	1.7	4	3.4
Kirkland	6	8.1	8	10.7	2	2.7	2	2.7
Mercer Island	0	0.0	0	0.0	0	0.0	1	6.8
Redmond	5	8.2	5	8.1	1	1.6	2	3.3
Renton	4	4.6	7	8.1	3	3.5	6	7.0
Sea Tac	0	0.0	1	10.0	1	10.0	2	20.0
Seattle	44	6.9	62	9.6	22	3.4	44	6.9
Kitsap	19	6.1	26	8.3	8	2.6	18	5.8
Bremerton	7	7.4	12	12.6	6	6.3	8	8.5
Bainbridge Island	0	0.0	0	0.0	0	0.0	0	0.0
Kittitas	1	3.3	2	6.6	1	3.3	1	3.3
Klickitat	1	4.3	2	8.5	2	8.5	3	12.8

Table 42. Fetal Deaths, Perinatal, Neonatal and Infant Mortality by Place of Residence, 1993

County and City	Fetal Deaths		Perinatal Mortality ²		Neonatal Mortality		Infant Mortality	
	Number	Ratio ¹	Number	Rate ³	Number	Rate ⁴	Number	Rate ⁴
Lewis	2	2.4	5	6.0	4	4.8	6	7.2
Lincoln	0	0.0	0	0.0	0	0.0	0	0.0
Mason	2	4.0	3	6.0	1	2.0	3	6.0
Okanogan	9	15.4	11	18.5	3	5.1	4	6.8
Pacific	1	4.2	1	4.2	0	0.0	0	0.0
Pend Oreille	1	7.6	1	7.5	1	7.6	2	15.2
Pierce	48	4.7	76	7.4	36	3.5	74	7.3
Puyallup	3	6.1	3	6.1	1	2.0	3	6.1
Tacoma	14	4.4	31	9.8	22	7.0	30	9.5
San Juan	2	19.4	2	19.0	0	0.0	0	0.0
Skagit	2	1.6	3	2.4	1	0.8	5	3.9
Mount Vernon	0	0.0	0	0.0	0	0.0	0	0.0
Skamania	0	0.0	1	10.5	2	21.1	2	21.1
Snohomish	27	3.4	47	5.8	27	3.4	47	5.9
Edmonds	0	0.0	3	8.0	3	8.0	4	10.7
Everett	7	3.9	9	4.9	4	2.2	9	5.0
Lynnwood	2	2.8	3	4.3	1	1.4	3	4.3
Mountlake Terrace	1	3.9	1	3.9	0	0.0	1	3.9
Spokane	30	5.2	45	7.8	18	3.1	44	7.6
Spokane (City)	14	3.9	21	5.8	7	1.9	21	5.8
Stevens	4	9.9	4	9.8	1	2.5	2	4.9
Thurston	18	7.4	21	8.5	5	2.0	10	4.1
Lacey	5	16.8	5	16.5	1	3.4	1	3.4
Olympia	7	10.7	7	10.6	1	1.5	3	4.6
Wahkiakum	0	0.0	0	0.0	0	0.0	0	0.0
Walla Walla	1	1.4	3	4.2	2	2.8	4	5.7
Walla Walla (City)	1	2.3	3	7.0	2	4.7	3	7.0
Whatcom	10	5.1	11	5.5	2	1.0	11	5.6
Bellingham	5	7.1	6	8.4	2	2.8	4	5.6
Whitman	1	2.3	1	2.3	1	2.3	3	6.8
Pullman	1	4.6	1	4.6	1	4.6	3	13.8
Yakima	38	8.7	56	12.7	21	4.8	37	8.5
Yakima (City)	14	10.2	19	13.8	7	5.1	13	9.5

¹Ratio per 1,000 live births

²Fetal deaths plus liveborn infants dying at 6 days and under

³Rate per 1,000 live births plus fetal deaths

⁴Rate per 1,000 live births

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Table 43: Fetal Deaths, Perinatal, Neonatal and Infant Mortality by Place of Occurrence, 1993

County and City	Fetal Deaths		Perinatal Mortality ²		Neonatal Mortality		Infant Mortality	
	Number	Ratio ¹	Number	Rate ³	Number	Rate ⁴	Number	Rate ⁴
State Total	411	5.3	617	8.0	259	3.4	511	6.6
Adams	1	2.3	1	2.2	0	0.0	0	0.0
Asotin	0	0.0	0	0.0	1	500.0	2	1000.0
Benton	15	5.6	24	9.0	9	3.4	14	5.3
Kennewick	6	5.7	8	7.6	2	1.9	3	2.9
Richland	3	2.7	10	8.9	7	6.3	11	9.9
Chelan	6	4.4	8	5.8	2	1.5	4	2.9
Wenatchee	6	4.7	8	6.2	2	1.6	4	3.1
Clallam	4	5.7	4	5.7	2	2.9	5	7.2
Port Angeles	4	6.4	4	6.4	2	3.2	4	6.4
Clark	13	5.0	15	5.8	3	1.2	10	3.9
Vancouver	13	5.1	15	5.8	3	1.2	9	3.5
Columbia	0	0.0	0	0.0	0	0.0	0	0.0
Cowlitz	6	4.3	6	4.3	2	1.4	7	5.0
Longview	6	4.3	6	4.3	2	1.4	7	5.1
Douglas	0	0.0	0	0.0	0	0.0	0	0.0
Ferry	1	90.9	2	166.7	1	90.9	2	181.8
Franklin	6	8.9	8	11.7	2	3.0	4	5.9
Pasco	6	8.9	8	11.8	2	3.0	4	5.9
Garfield	0	0.0	0	0.0	0	0.0	0	0.0
Grant	2	2.4	4	4.7	2	2.4	5	5.9
Grays Harbor	2	3.6	4	7.2	2	3.6	4	7.2
Aberdeen	2	3.7	4	7.3	2	3.7	4	7.3
Island	4	5.1	5	6.4	2	2.6	3	3.9
Oak Harbor	3	5.4	3	5.4	0	0.0	0	0.0
Jefferson	1	6.8	1	6.8	0	0.0	1	6.8
King	151	5.9	240	9.3	115	4.5	194	7.5
Auburn	0	0.0	0	0.0	0	0.0	2	2.7
Bellevue	7	2.6	7	2.6	0	0.0	0	0.0
Des Moines	0	0.0	0	0.0	0	0.0	1	200.0
Federal Way	7	4.0	10	5.7	3	1.7	4	2.3
Kent	0	0.0	0	0.0	0	0.0	3	272.7
Kirkland	16	6.5	20	8.0	4	1.6	4	1.6
Mercer Island	0	0.0	0	0.0	0	0.0	0	0.0
Redmond	10	8.4	10	8.3	0	0.0	1	0.8
Renton	12	4.0	14	4.7	2	0.7	4	1.3
Sea Tac	0	0.0	0	0.0	0	0.0	1	1000.0
Seattle	94	7.0	172	12.7	104	7.8	166	12.4
Kitsap	13	5.0	16	6.2	4	1.5	8	3.1
Bremerton	13	5.1	16	6.2	4	1.6	7	2.7
Bainbridge Island	0	0.0	0	0.0	0	0.0	0	0.0
Kittitas	0	0.0	0	0.0	0	0.0	0	0.0
Klickitat	0	0.0	0	0.0	0	0.0	0	0.0

Table 43. Fetal Deaths, Perinatal, Neonatal and Infant Mortality by Place of Occurrence, 1993

County and City	Fetal Deaths		Perinatal Mortality ²		Neonatal Mortality		Infant Mortality	
	Number	Ratio ¹	Number	Rate ³	Number	Rate ⁴	Number	Rate ⁴
Lewis	0	0.0	1	1.5	2	3.1	7	10.7
Lincoln	0	0.0	0	0.0	0	0.0	0	0.0
Mason	1	6.2	2	12.3	1	6.2	2	12.4
Okanogan	7	11.4	7	11.3	0	0.0	1	1.6
Pacific	1	7.6	1	7.5	0	0.0	0	0.0
Pend Oreille	0	0.0	0	0.0	0	0.0	0	0.0
Pierce	55	5.2	89	8.3	40	3.8	85	8.0
Puyallup	8	5.7	9	6.4	1	0.7	5	3.6
Tacoma	47	5.2	80	8.8	39	4.3	74	8.1
San Juan	0	0.0	0	0.0	0	0.0	0	0.0
Skagit	2	1.3	2	1.3	0	0.0	5	3.3
Mount Vernon	0	0.0	0	0.0	0	0.0	1	0.9
Skamania	0	0.0	0	0.0	1	500.0	1	500.0
Snohomish	15	2.6	20	3.5	8	1.4	23	4.0
Edmonds	3	1.8	3	1.8	0	0.0	0	0.0
Everett	9	2.8	13	4.0	6	1.8	13	4.0
Lynnwood	0	0.0	0	0.0	0	0.0	2	44.4
Mountlake Terrace	0	0.0	0	0.0	0	0.0	1	333.3
Spokane	39	6.0	74	11.3	42	6.5	78	12.0
Spokane (City)	38	5.9	71	10.9	40	6.2	76	11.8
Stevens	4	12.7	4	12.5	1	3.2	2	6.3
Thurston	17	6.5	18	6.8	1	0.4	5	1.9
Lacey	0	0.0	0	0.0	0	0.0	0	0.0
Olympia	17	6.6	18	7.0	1	0.4	3	1.2
Wahkiakum	0	0.0	0	0.0	0	0.0	0	0.0
Walla Walla	2	2.2	3	3.2	1	1.1	3	3.2
Walla Walla (City)	2	2.2	3	3.2	1	1.1	3	3.3
Whatcom	11	5.7	12	6.1	1	0.5	8	4.1
Bellingham	10	5.2	11	5.7	1	0.5	6	3.1
Whitman	1	2.6	1	2.6	0	0.0	0	0.0
Pullman	1	3.1	1	3.1	0	0.0	0	0.0
Yakima	31	7.6	45	11.0	14	3.4	28	6.9
Yakima (City)	24	8.2	35	11.9	11	3.8	18	6.2

¹Ratio per 1,000 live births

²Fetal deaths plus liveborn infants dying at 6 days and under

³Rate per 1,000 live births plus fetal deaths

⁴Rate per 1,000 live births

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Table 44. Fetal Deaths by Mother's Age Group by Place of Residence¹, 1993

County	All Ages	Under								45 and Over	Unknown
		15	15-17	18-19	20-24	25-29	30-34	35-39	*40-44		
State Total	395	1	29	28	82	109	85	41	12	0	8
Adams	1	0	0	0	0	0	1	0	0	0	0
Asotin	0	0	0	0	0	0	0	0	0	0	0
Benton	8	0	1	1	2	1	2	0	0	0	1
Chelan	2	0	0	0	2	0	0	0	0	0	0
Clallam	7	0	0	0	0	1	3	2	1	0	0
Clark	11	0	1	2	3	3	2	0	0	0	0
Columbia	0	0	0	0	0	0	0	0	0	0	0
Cowlitz	5	0	0	1	1	2	1	0	0	0	0
Douglas	2	0	0	0	1	1	0	0	0	0	0
Ferry	1	0	0	0	0	0	0	1	0	0	0
Franklin	6	0	2	1	2	1	0	0	0	0	0
Garfield	0	0	0	0	0	0	0	0	0	0	0
Grant	3	0	0	0	1	1	1	0	0	0	0
Grays Harbor	2	0	0	1	0	1	0	0	0	0	0
Island	4	0	0	0	1	2	0	1	0	0	0
Jefferson	1	0	0	0	0	0	1	0	0	0	0
King	125	0	9	5	26	26	31	19	4	0	5
Kitsap	19	0	0	2	4	7	3	3	0	0	0
Kittitas	1	0	0	0	0	0	0	0	0	0	1
Klickitat	1	0	0	0	1	0	0	0	0	0	0
Lewis	2	0	0	0	0	0	1	0	1	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0	0
Mason	2	0	0	1	1	0	0	0	0	0	0
Okanogan	9	0	1	0	1	5	1	1	0	0	0
Pacific	1	0	0	1	0	0	0	0	0	0	0
Pend Oreille	1	0	0	0	0	0	0	1	0	0	0
Pierce	48	0	5	5	7	16	10	3	2	0	0
San Juan	2	0	0	1	0	1	0	0	0	0	0
Skagit	2	0	0	0	1	0	1	0	0	0	0
Skamania	0	0	0	0	0	0	0	0	0	0	0
Snohomish	27	0	2	0	5	11	8	1	0	0	0
Spokane	30	0	1	2	7	8	9	3	0	0	0
Stevens	4	0	1	0	2	1	0	0	0	0	0
Thurston	18	0	0	1	3	5	5	2	1	0	1
Wahkiakum	0	0	0	0	0	0	0	0	0	0	0
Walla Walla	1	0	0	0	0	0	1	0	0	0	0
Whatcom	10	0	2	1	2	2	0	2	1	0	0
Whitman	1	0	0	0	0	1	0	0	0	0	0
Yakima	38	1	4	3	9	13	4	2	2	0	0

¹Infant's residence at the time of death

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Table 45. Fetal Mortality to Residents by Cause, 1993

Cause with International List Number	Number
Total All Causes	395
Congenital Anomalies (740-759)¹	42
Anencephalus (740)	7
Spina Bifida (741)	2
Other Anomalies of the Central Nervous System (742)	1
Anomalies of the Heart (745-746)	5
Other Anomalies of Circulatory System (747)	0
Anomalies of Respiratory System (748)	1
Anomalies of Digestive System (749-751)	0
Anomalies of the Genitourinary System (752-753)	1
Anomalies of Musculoskeletal System (754-756)	2
Chromosomal Anomalies (758)	11
Other and Unspecified Congenital Anomalies (743-744,757,759)	12
Certain Causes of Perinatal Morbidity and Mortality (760-779)	351
Maternal Conditions which may be Unrelated to Pregnancy (760)²	(10)
Chronic Hypertension (760.0)	5
Maternal Infections (760.2)	0
Maternal Injury (760.5)	4
Other Maternal Conditions (760.1,760.3-760.4,760.6-760.9)	1
Maternal Conditions Related to Pregnancy (761)	(32)
Incompetent Cervix (761.0)	4
Premature Rupture of Membranes (761.1)	22
Other Maternal Conditions (761.2-761.9)	6
Complications of Placenta, Cord, and Membranes (762)	(150)
Complications of Placenta (762.0-762.3)	63
Complications of Cord (762.4-762.6)	76
Complications of Membranes (762.74-762.96)	11
Complications of Labor (763)	1
Other Complications of Pregnancy and Childbirth (764-767)	21
Intrauterine Hypoxia (768)	3
Diseases of the Fetus and Ill-defined Causes (769-779)	(134)
Respiratory Conditions (769-770)	3
Infections Specific to the Perinatal Period (771)	2
Fetal Hemorrhage (772)	2
Haemolytic Disease and Other Perinatal Jaundice (773-774)	0
Endocrine and Metabolic Disturbances (775)	0
Haematological Disorders (776)	0
Disorders of Digestive System (777)	0
Conditions Involving the Integument and Temperature	12
Other Conditions of Fetus (779)	115
All Other Causes (001-739,780-799)	2

¹Group totals are shown in bold.

²Sub-group totals are shown in parentheses.

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Table 46. Fetal Mortality to Residents by Weight in Grams by Sex, 1993

Weight in Grams	Total	Male	Female	Unknown
State Totals	395	196	198	1
1,000 grams or less	165	83	82	0
1,101 - 1,500	22	14	8	0
1,501 - 2,000	34	21	13	0
2,001 - 2,500	34	17	17	0
2,501 - 3,000	40	17	23	0
3,001 - 3,500	25	11	14	0
3,501 - 4,000	21	12	9	0
4,001 - 4,500	4	4	0	0
4,501 and over	1	1	0	0
Not Stated	49	16	32	1

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Appendices



Appendix A : Technical Appendix

Sources of Data

Collection Year

Data for *Washington State Vital Statistics, 1992 & 1993* are compiled from items on birth, death, and fetal death certificates received before April 15 of the following year. For example, the cutoff date is April 15, 1993 for 1992 data. (See Appendix E for samples of certificate forms used.)

Population

Population data in this report are estimates of the population provided by the Washington State Office of Financial Management, Forecasting Division for April 1, 1992 and April 1, 1993.

Life Expectancy

Life expectancy is based on 1992 and 1993 crude mortality rates.

Classification of Data

Race

Race data collected on vital statistics follow the definition established by the Census Bureau, as follows:

The concept of race as used by the Census Bureau reflects self-identification; it does not denote any clear-cut scientific definition of biological stock. The data for race represents self-classification by people according to the race with which they most closely identify. Furthermore, it is recognized that the categories of the race item include both racial and national origin or socio-cultural groups.¹

The determination of race for multiple racial entries on birth and death certificates follows decision rules established by the National Center for Health Statistics (NCHS): If more than one race is listed and one is Hawaiian, then Hawaiian is selected. For other races, the first race listed is selected. Prior to 1990, the first non-white race listed was selected (unless Hawaiian was listed somewhere in the item).

¹ U.S. Bureau of the Census, *1990 Census of Population: General Population Characteristics*, Washington, Report 1990 CP-1-49, Washington, D.C., June 1992.

To determine race of newborns on birth certificates, each parent's race is first established according to the previous rule. Rules to determine race of the child, then, fall along a similar pattern:

- If either parent is Hawaiian, then the child's race is considered Hawaiian.
- In cases where one parent is white and the other non-white, the non-white race is selected as the race of the child.
- If both parents are non-white, the father's race is selected except where the mother's race is Hawaiian.

Hispanic Origin

'Origin' as used by the Census Bureau refers to "the ancestry, nationality group, lineage, or country of birth of the person or the person's parents or ancestors before their arrival in the United States." Persons of Hispanic origin have their origins in a Hispanic or Spanish-speaking country such as Mexico, Cuba, or Puerto Rico, or the Spanish-speaking countries of Central or South America. Persons of Hispanic origin may be of any race.

Hispanic origin was added as an ethnic category and collected as a separate item (in addition to race) for the 1988 annual vital statistics summary. Prior to 1988, Hispanic data were provided by a racial category of "Mexican/Chicano" or "Mexican American". Data based on Hispanic origin from those years are not comparable with data collected in 1988 or thereafter and should not be used for trend analysis or year-to-year comparisons.

The certificates for live births, deaths, and fetal deaths in Washington State capture Hispanic origin under two separate items, one to measure ethnicity and another to measure race. The item measuring ethnicity asks, [Is the person] "Of Hispanic Origin or descent (Ancestry)?" and permits a "Yes/No" response. The item measuring race on the birth and fetal death certificates says, "Race (American Indian, White, Black, Asian/Pacific Islander (Specify subgroup), etc.). On the death certificate, the item reads, "Race (Specify)." Although Hispanic is not listed as a sample response under "Race" beginning in 1992, it is still provided as a racial designation, particularly for people who have already been classified as being of Hispanic origin ethnicity.

The National Center for Health Statistics (NCHS), however, does not treat Hispanic Origin as a race and requires instead that persons reporting Hispanic as a race be counted as "White." Tables in this report use this NCHS convention for tabulations by race. In addition, at the end of each table on race, counts of persons identified as "Hispanic Origin" under the ethnicity item are provided as well.

In a few instances, the Hispanic ethnicity question was marked unknown, yet "Hispanic" was given as the person's race. Beginning in 1992, if a

person's ethnicity was marked "Unknown" and his/her race was given as "Hispanic," then that person's ethnicity was counted as Hispanic Origin. Only a small number--about ten births and 60 deaths each year covered in this report--were reclassified in this way.

Low Birth Weight

Traditionally, low birth weight has been defined as 2,500 grams or less. However, the International Classification of Diseases, Ninth Revision (ICD-9) redefines low birth weight as less than 2,500 grams. Thus, according to national guidelines, a birth weight equal to 2,500 grams would now be included with the normal birth weight category. The impact of this change is minimal in the United States, where most weights are given in pounds and ounces. No weight of pounds and ounces converts exactly to 2,500 grams (5-lb 8-oz is 2,495 g and 5-lb 9-oz is 2,523 g). It is, therefore, unlikely that many weights of 2,500 grams are recorded. In fact, none were found in a study of 1984 Washington State births. In the interests of consistency with past data, Washington State has chosen to continue including 2,500 grams with the low birth weight category. Very low birth weight is defined as less than 1,500 grams.

Cause of Death

The causes of death presented in this report are classified in accordance with the International Classification of Diseases, Ninth Revision published by the World Health Organization. The State of Washington began using this revision on January 1, 1979.

Ranking of Leading Causes of Death

In the interest of comparability, this summary uses, in general, the cause of death groups used by the National Center for Health Statistics (NCHS).

Definitions

Birth Weight - Weight of fetus or infant at time of delivery (normally recorded in pounds and ounces).

Fetal Death - Death prior to the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy. The death is indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Reporting of fetal deaths to the state is required only when the gestational period is twenty weeks or more.

Infant Death - Death of a child under one year of age.

Live Birth - The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, breathes, or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.

Live Birth Order - Total number of live births to a given mother, including current birth.

Maternal Death - Death attributed to complications of pregnancy, childbirth, or the puerperium (ICD 630-676); includes abortion related death.

Neonatal Death - Death of an infant within the first 27 days of life.

Nulliparous - Having never given birth to a liveborn infant.

Occurrence Data - Data allocated by place where the event occurred, regardless of the person's place of residence.

Parity - Total number of previous live births; does not include the current birth.

Perinatal Death - Fetal deaths plus deaths to infants within the first six days of life.

Plurality - The number of siblings born as the result of a single pregnancy (e.g., twins, triplets).

Postneonatal Death - Death of an infant of 28-364 days of age.

Premature Birth - A live birth weighing 2,500 grams (5-1/2 pounds) or less. If birth weight is not stated, length of gestation (under 37 weeks) is used.

Residence Data - Data allocated by place of residence of the child's mother (births, fetal deaths), or by place of residence of the decedent (deaths), regardless of where the event occurred.

Underlying Cause of Death - The disease or injury which initiated the events resulting in death or the circumstances of an accident or violence which produced a fatal injury.

Rates and Ratios

Rounding of Rates - Rates are rounded to the nearest tenth. When the rate or percent is less than one-tenth, the entry is 0.

Rates and Ratios Used in this Report - Rates and ratios are calculated by dividing the number of events of concern by the population at risk (or a related population) and multiplying by a standard constant (i.e., 1,000 or 10,000 or 100,000).

$$\text{(Crude) BirthRate} = \frac{\# \text{ LiveBirths}}{\text{TotalPopulation}} \times 1,000$$

$$\text{Age - SpecificBirthRate} = \frac{\# \text{ BirthsforSpecificAgeGroup}}{\text{PopulationforSameAgeGroup}} \times 1,000$$

$$\text{(Crude) DeathRate} = \frac{\# \text{ Deaths}}{\text{TotalPopulation}} \times 1,000$$

$$\text{Age - SpecificDeathRate} = \frac{\# \text{ DeathsforSpecificAgeGroup}}{\text{PopulationforSameAgeGroup}} \times 100,000$$

$$\text{Cause - SpecificDeathRate} = \frac{\# \text{ DeathsforSpecificCause}}{\text{TotalPopulation}} \times 100,000$$

$$\text{InfantDeathRate} = \frac{\# \text{ InfantDeaths}}{\text{TotalLiveBirths}} \times 1,000$$

$$\text{NeonatalDeathRate} = \frac{\# \text{ NeonatalDeaths}}{\text{TotalLiveBirths}} \times 1,000$$

$$\text{PostneonatalDeathRate} = \frac{\# \text{ PostneonatalDeaths}}{\text{TotalLiveBirths}} \times 1,000$$

$$\text{MaternalDeathRate} = \frac{\# \text{ MaternalDeaths}}{\text{TotalLiveBirths}} \times 10,000$$

$$\text{FetalDeathRatio} = \frac{\# \text{ FetalDeaths}}{\text{TotalLiveBirths}} \times 1,000$$

$$\text{PerinatalDeathRate} = \frac{\# \text{ PerinatalDeaths}}{\text{LiveBirths} + \text{FetalDeaths}} \times 1,000$$



Washington State Vital Statistics 1992 & 1993
Appendix A: Technical Appendix
Addendum

The Electronic Birth Certificate (EBC) program assigns county of residence based on the zip code of the mother's place of residence. Zip codes occasionally cross county boundaries, especially on the boundary between King and Snohomish Counties. In these cases, the county of residence may be assigned incorrectly.

In 1993, as a result of address-based geocoding undertaken by King and Snohomish Counties, it was found that 29 births to Snohomish County residents were incorrectly assigned to King County because the mother lived in a zip code area that was primarily in King County, even though a small portion crossed into Snohomish county. Because two of these births occurred at home, county of occurrence was also incorrectly assigned as King County rather than Snohomish County in two instances.

As a result, births to residents were undercounted by 0.4% in Snohomish County and overcounted by 0.1% in King County. Birth rates (per 1,000 population) by place of residence changed by only 0.1 in each county; rates by place of occurrence did not change at all (see table below).

Births in Washington State, 1993

	<i>Residence</i>		<i>Occurrence</i>	
	number	rate	number	rate
<i>King County</i>				
Present Report	22,330	14.1	25,701	16.2
Corrected	22,301	14.0	25,699	16.2
<i>Snohomish County</i>				
Present Report	8,025	15.8	5,741	11.3
Corrected	8,054	15.9	5,743	11.3

The tables in this report will not be reissued to reflect this change. Subsequent health assessment reports to be prepared by King and Snohomish Counties will contain the corrected data and, therefore, will not correspond exactly with the numbers presented in this report. There may also be other counties where zip codes cross county boundaries so that a few births may have been incorrectly assigned to the wrong county of residence. To avoid this problem in the future, the Center for Health Statistics plans to institute a system for verifying the county of residence based on the mother's complete address rather than using only zip code.

Department of Health
 Center for Health Statistics
 January 20, 1995

Appendix B

Conversion of Birth Weight in Grams to Pounds and Ounces

Weight in Grams	Pounds and Ounces
1,000 grams and under	2 lbs. 3 oz. and less
1,001 - 1,500	2 lbs. 4 oz. - 3 lbs. 4 oz.
1,501 - 2,000	3 lbs. 5 oz. - 4 lbs. 6 oz.
2,001 - 2,500	4 lbs. 7 oz. - 5 lbs. 8 oz.
2,501 - 3,000	5 lbs. 9 oz. - 6 lbs. 9 oz.
3,001 - 3,500	6 lbs. 10 oz. - 7 lbs. 11 oz.
3,501 - 4,000	7 lbs. 12 oz. - 8 lbs. 13 oz.
4,001 - 4,500	8 lbs. 14 oz. - 9 lbs. 14 oz.
4,501 grams and over	9 lbs. 15 oz. and over

Appendix B

One pound = 453.59 grams

Appendix C: 1992

Estimated Population, State of Washington, by Age Group by Sex, April 1, 1992

Age Group	Total	Male	Female
Total	5,116,700	2,538,485	2,578,215
Under 1 Year ¹	79,667	40,770	38,897
1 - 4	317,709	162,844	154,865
5 - 14	757,438	388,505	368,933
15 - 19	325,825	168,333	157,492
20 - 24	364,927	188,569	176,358
25 - 34	859,242	431,295	427,947
35 - 44	863,658	432,850	430,808
45 - 54	563,944	284,506	279,438
55 - 64	386,188	189,138	197,050
65 - 74	344,699	156,526	188,173
75 - 84	192,742	77,590	115,152
85 and Over	60,661	17,559	43,102

¹Population under 1 year is estimated as births in prior year.

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Source: Office of Financial Management, Forecasting Division, "Postcensal County Population Estimates by Age and Sex, 1990-1994," August 1994, LOTUS Spreadsheet.

Appendix C: 1993

Estimated Population, State of Washington, by Age Group by Sex, April 1, 1993

Age Group	Total	Male	Female
Total	5,240,900	2,600,454	2,640,446
Under 1 Year ¹	79,405	40,945	38,460
1 - 4	327,273	167,373	159,900
5 - 14	780,983	400,861	380,122
15 - 19	335,884	173,733	162,151
20 - 24	366,551	189,421	177,130
25 - 34	858,188	430,074	428,114
35 - 44	887,841	445,100	442,741
45 - 54	604,112	304,120	299,992
55 - 64	391,529	192,256	199,273
65 - 74	347,596	157,982	189,614
75 - 84	198,264	80,197	118,067
85 and Over	63,274	18,392	44,882

¹ Population under 1 year is estimated as births in prior year.

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Source: Office of Financial Management, Forecasting Division, "Postcensal County Population Estimates by Age and Sex: 1990-1994," August 1994, LOTUS Spreadsheet.

Appendix D: 1992

Estimated Population, State of Washington, Counties and Cities of 15,000 Population and Over, April 1, 1992

	City Total	County Total		City Total	County Total
Adams		14,100	Kititas		27,800
Asotin		18,000	Klickitat		17,100
Benton		118,500	Lewis		61,500
Kennéwick	44,490		Lincoln		9,000
Richland	33,550		Mason		41,200
Chelan		54,600	Okanogan		34,400
Wenatchee	22,710		Pacific		19,400
Clallam		60,000	Pend Oreille		9,400
Port Angeles	18,030		Pierce		624,000
Clark		257,500	Puyallup	25,400	
Vancouver	47,340		Tacoma	179,000	
Columbia		4,000	San Juan		11,300
Cowlitz		84,500	Skagit		85,500
Longview	32,030		Mount Vernon	19,550	
Douglas		27,900	Skamania		8,700
Ferry		6,700	Snohomish		494,300
Franklin		39,200	Edmonds	30,750	
Pasco	20,840		Everett	75,840	
Garfield		2,300	Lynnwood	29,110	
Grant		58,200	Mountlake Terrace	19,820	
Grays Harbor		65,400	Spokane		374,600
Aberdeen	16,630		Spokane (city)	180,800	
Island		64,800	Stevens		32,200
Oak Harbor	18,340		Thurston		174,300
Jefferson		22,500	Lacey	21,290	
King		1,564,500	Olympia	35,800	
Auburn	34,260		Wahkiakum		3,400
Bellevue	88,580		Walla Walla		50,500
Des Moines	18,170		Walla Walla (city)	28,130	
Federal Way	72,350		Whatcom		137,100
Kent	40,300		Bellingham	54,270	
Kirkland	41,390		Whitman		38,800
Mercer Island	21,210		Pullman	23,190	
Redmond	39,040		Yakima		193,900
Renton	43,090		Yakima (city)	58,690	
Sea Tac	22,830				
Seattle	522,000				
Kitsap		205,600			
Bremerton	38,990				
Bainbridge Island	16,850				
			State Total		5,116,700

Source: Office of Financial Management, Forecasting Division, 1992 Population Trends, September 1992.

S02530A/DE AA99P2

Appendix D: 1993

Estimated Population, State of Washington, Counties and Cities of 15,000 Population and Over, April 1, 1993

	City Total	County Total		City Total	County Total
Adams		14,300	Kittitas		29,200
Asotin		18,300	Klickitat		17,500
Benton		122,800	Lewis		62,900
Kennewick	45,110		Lincoln		9,200
Richland	34,080		Mason		42,900
Chelan		56,000	Okanogan		35,400
Wenatchee	23,000		Pacific		19,800
Clallam		61,400	Pend Oreille		10,100
Port Angeles	18,270		Pierce		640,700
Clark		269,500	Puyallup	26,140	
Vancouver	55,450		Tacoma	181,200	
Columbia		4,100	San Juan		11,900
Cowlitz		86,100	Skagit		88,500
Longview	32,650		Mount Vernon	20,450	
Douglas		28,500	Skamania		9,000
Ferry		6,900	Snohomish		507,900
Franklin		41,100	Edmonds	30,970	
Pasco	21,370		Everett	76,980	
Garfield		2,300	Lynnwood	29,580	
Grant		60,300	Mountlake Terrace	19,880	
Grays Harbor		66,500	Spokane		
Aberdeen	16,665		Spokane	183,800	
Island		66,500	Stevens		33,400
Oak Harbor	18,930		Thurston		180,500
Jefferson		23,500	Lacey	22,660	
King		1,587,700	Olympia	36,520	
Auburn	34,550		Wahkiakum		3,500
Bellevue	89,710		Walla Walla		51,800
Des Moines	19,460		Walla Walla	28,820	
Federal Way	75,320		Whatcom		140,900
Kent	41,090		Bellingham	55,480	
Kirkland	41,700		Whitman		39,400
Mercer Island	21,260		Pullman	23,480	
Redmond	40,095		Yakima		197,000
Renton	43,470		Yakima	59,580	
Sea Tac	22,840				
Seattle	527,700				
Kitsap		210,000			
Bremerton	36,380				
Bainbridge Island	17,200				
			State Total		5,240,900

Source: Office of Financial Management, Forecasting Division, 1993 Population Trends, September 1993.

S02E30A/DEAA99P2

Appendix E

Sample Certificates:

Live Birth, Death, Fetal Death

CERTIFICATE OF LIVE BIRTH

1 CHILD'S NAME First Middle LAST 2 SEX (M / F) 3. DATE OF BIRTH (MO, DAY, YR) 4. TIME OF BIRTH
5 TYPE OF BIRTH-PLACE (SPECIFY TYPE) 6. NAME OF FACILITY / IF NOT A FACILITY ENTER NAME OF PLACE AND ADDRESS 7. CITY / TOWN / LOCATION 8. COUNTY OF BIRTH
9 I CERTIFY THAT THIS CHILD WAS BORN ALIVE AT THE PLACE AND TIME AND ON THE DATE STATED. 10 DATE SIGNED (MO, DAY, YR) 11. ATTENDANT'S NAME AND TITLE (If other than certifier) (Type or Print)
12. CERTIFIER — NAME AND TITLE (Type or print) 13. ATTENDANT'S MAILING ADDRESS (street / box no., city, state, ZIP code)
14. FATHER'S NAME First Middle Last 15. DATE OF BIRTH (MO, DAY, YR) 16. STATE OF BIRTH (If not USA give country)
17. MOTHER'S NAME First Middle MAIDEN 18. DATE OF BIRTH (MO, DAY, YR) 19. STATE OF BIRTH (If not USA give country)
20. MOTHER'S RESIDENCE (number and street) 21. CITY / TOWN / LOCATION 22. INSIDE CITY LIMITS Yes No 23. COUNTY 24. STATE / ZIP CODE
25. HOW LONG AT CURRENT RESIDENCE? Yrs. Mos. 26. MOTHER'S MAILING ADDRESS (if different than residence)
27. NAME OF INFORMANT (Type or print) 28. RELATION TO CHILD 29. PARENT(S) REQUEST FOR SOCIAL SECURITY NUMBER ISSUANCE (allow up to 6 months) 1 Yes 2 No
30. REGISTRAR (signature) X 31. DATE FILED BY LOCAL REGISTRAR
32. RECORD AMENDMENT (state registrar use only) DOCUMENTARY EVIDENCE ITEM DATE
33. FATHER'S SOCIAL SECURITY NUMBER 34. MOTHER'S SOCIAL SECURITY NUMBER
CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY — DETACHED FROM PERMANENT RECORD BEFORE PERMANENT FILING

35. OF HISPANIC ORIGIN OR DESCENT? If yes, specify, Mexican, Puerto Rican, Spanish, etc. 36. RACE (American Indian, White, Black, Asian/Pacific Islander (Specify subgroup), etc.) 37. OCCUPATION (Worked during last year) (registered nurse, personal manager) 38. TYPE OF BUSINESS OR INDUSTRY (hospital, newspaper publishing) 39. EDUCATION (specify only highest grade completed) Elementary / HS (0-12)/College (1-4 or 5+)
FATHER 35a 1 Yes 2 No 36a 37a 38a 39a
MOTHER 35b 1 Yes 2 No 36b 37b 38b 39b
CHILD 40. OF HISPANIC ORIGIN OR DESCENT? If yes, specify, Mexican, Puerto Rican, Spanish, etc. 41. RACE (American Indian, White, Black, Asian/Pacific Islander (Specify subgroup), etc.) 1 Yes 2 No Specify.
42. PRIOR LIVE BIRTHS (Do not include this birth) 43. OTHER TERMINATIONS (Not live births) NUMBER SPONTANEOUS NUMBER INDUCED (gest. age) 44. TOTAL PRIOR PREGNANCIES 45. CLINICAL ESTIMATE OF GESTATION (WEEKS)
46. DATE LAST NORMAL MENSES BEGAN (MO, DAY, YR) 47. IS MOTHER MARRIED? 1 YES 2 NO
48. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1st, 2nd, 3rd, etc) 49. TOTAL NUMBER OF PRENATAL VISITS (if none, enter 0) 50. PRINCIPAL SOURCE OF PAYMENT FOR PRENATAL CARE DURING PREGNANCY MOTHER PARTICIPATED IN (check all that apply) 52. DID MOTHER SMOKE AT ANY TIME DURING PREGNANCY? 1 YES 2 NO Average no. cigarettes per day?
53. PLURALITY—Single, Twin, Triplet, etc. (Specify) 54. IF NOT SINGLE BIRTH—born 1st, 2nd, 3rd, etc. (Specify) 55. BIRTH WEIGHT (lbs. < 100g) 56. APGAR SCORE 1 MIN 5 MIN 57. INFANT TRANSFERRED TO ANOTHER FACILITY? 1 YES 2 NO 3 UNK. 58. MOTHER TRANSFERRED AFTER ATTEMPTED DELIVERY If yes, from 1 YES 2 NO 3 UNK. Home Birth Ctr. Other

CHECK ALL BOX(ES) IN EACH COLUMN THAT APPLY

59. MEDICAL RISK FACTORS FOR THIS PREGNANCY

- 1. Anemia (Hct <30 / Hgb <10)
2. Cardiac disease
3. Acute or chronic lung disease
4. Diabetes, Gest. Estab.
5. Genital herpes—active
6. Polyhydramnios
7. Oligohydramnios
8. Hemoglobinopathy
9. Hypertension, chronic
10. Hypertension, pregnancy-associated
11. Eclampsia
12. Incompetent cervix
13. Previous infant 4000 + grams
14. Previous preterm or small-for-gestational-age infant
15. Renal disease
16. Rh sensitization
17. Uterine bleeding - trimester 1 2 3
18. Hepatitis B - HBsAg Positive
19. Syphilis
20. None
21. Other (specify)

60. OTHER RISK FACTORS FOR THIS PREGNANCY

- 1. Alcohol use during pregnancy? Yes No Av. No. drinks per wk?
2. Weight gained during pregnancy lbs.
3. Weight before pregnancy lbs.

61. OBSTETRIC PROCEDURES

- 1. Amniocentesis—If yes, specify trimesters 1 2 3
2. Electronic fetal monitoring
3. Induction of labor
4. Stimulation of labor
5. Tocolysis

(CONTINUED NEXT COLUMN)

- 6. Ultrasound
7. None
8. Other (specify)

62. METHOD OF DELIVERY

- 1. Vaginal
2. Vaginal birth after previous C-section
3. Primary C-section
4. Repeat C-section with labor no labor
6. Forceps
7. Vacuum extraction
9. Other (specify)

63. COMPLICATIONS OF LABOR AND/OR DELIVERY

- 1. Febrile (>100°F or 38°C)
2. Meconium, moderate / heavy
3. Premature rupture of membrane (>12 hrs)
4. Abruptio placenta
5. Placenta previa
6. Other excessive bleeding
7. Seizures during labor
8. Precipitous labor (<3 hrs)
9. Prolonged labor (>20 hrs)
10. Dysfunctional labor
11. Breech / Malpresentation
12. Cephalopelvic disproportion
13. Cord prolapse
14. Anesthetic complications
15. Fetal distress
16. Nuchal cord
17. None
18. Other (specify)

64. ABNORMAL CONDITIONS OF THE NEWBORN

- 1. Anemia (Hct <39 / Hgb <13)
2. Birth injury

(CONTINUED NEXT COLUMN)

- 3. Fetal alcohol syndrome
4. Hyaline membrane disease/RDS
5. Meconium aspiration syndrome
6. Drug withdrawal syndrome in newborn
7. Assisted ventilation < 30 min.
8. Assisted ventilation ≥ 30 min.
9. Seizures
10. None
11. Other (specify)

65. CONGENITAL ANOMALIES OF CHILD

- 1. Anencephalus
2. Spina bifida / Meningocele
3. Hydrocephalus
4. Microcephalus
5. Other central nervous system anomalies (specify)
6. Heart malformations
7. Other circulatory / respiratory anomalies (specify)
8. Rectal atresia / stenosis
9. Tracheo-esophageal fistula / Esophageal atresia
10. Omphalocele / Gastroschisis
11. Other gastrointestinal anomalies (specify)
12. Malformed genitalia
13. Renal agenesis
14. Other urogenital anomalies (specify)
15. Cleft lip / palate
16. Polydactyly / Syndactyly / Adactyly
17. Club foot
18. Diaphragmatic hernia
19. Other musculoskeletal / integumental anomalies (specify)
20. Down's syndrome
21. Other chromosomal anomalies (specify)
22. None
23. Other anomalies (specify)



CERTIFICATE OF DEATH

146

LOCAL FILE NUMBER

STATE FILE NUMBER

1. NAME First Middle Last *				2. SEX (M / F)		3. DEATH DATE (Mo, Day, Yr)											
4. AGE LAST BIRTH-DAY (Yrs)		5. UNDER 1 YEAR MOS DAYS		6. UNDER 1 DAY HOURS MINS		7. BIRTHDATE (Mo, Day, Yr)											
8. BIRTHPLACE (City, State or Foreign Country)				9. WAS DECEDENT EVER IN U.S. ARMED FORCES? (Yes / No)		10. COUNTY OF DEATH											
11. CITY, TOWN OR LOCATION OF DEATH				12. PLACE OF DEATH— <input checked="" type="checkbox"/> BOX FOR PLACE THEN GIVE ADDRESS OR INSTITUTION NAME 1. <input type="checkbox"/> HOME 2. <input type="checkbox"/> IN TRANSPORT 3. <input type="checkbox"/> EMERG. RM/OUT PTN 4. <input type="checkbox"/> HOSP. 5. <input type="checkbox"/> NUR HOME 6. <input type="checkbox"/> OTHER PLACE				13. SMOKING IN LAST 15 YEARS? (Yes / No)									
14. MARITAL STATUS—Married, Never Married, Widowed, Divorced (Specify)		15. SURVIVING SPOUSE (if wife, give maiden name)				16. SOCIAL SECURITY NO.		17. DECEDENT'S EDUCATION (Specify only highest grade completed) Elementary/Secondary (0-12) College (1-4 or 5+)									
18. USUAL OCCUPATION (Give kind of work done during most of working life. DO NOT USE RETIRED)			19. KIND OF BUSINESS OR INDUSTRY			20. Was Decedent of Hispanic origin or descent? (Ancestry) (Specify Yes or No. If Yes, Specify Cuban, Mexican, Puerto Rican, etc.) (Yes / No) Specify:		21. RACE (Specify)									
22. RESIDENCE—NUMBER AND STREET			23. CITY/TOWN, OR LOCATION		24. INSIDE CITY LIMITS? (Yes / No)		25A. COUNTY		25B. LENGTH OF RES. IN CO. STATE		27. ZIP CODE						
28. FATHER'S NAME—FIRST, MIDDLE, LAST						29. MOTHER'S NAME—FIRST, MIDDLE, MAIDEN SURNAME											
30. INFORMANT—NAME				31. MAILING ADDRESS STREET OR RFD NO. CITY OR TOWN STATE ZIP													
32. BURIAL, CREMATION REMOVAL, OTHER (Specify)		33. DATE (Mo, Day, Yr)		34. CEMETERY/CREMATORY—NAME				35. LOCATION—CITY/TOWN, STATE									
36. FUNERAL DIRECTOR SIGNATURE X				37. NAME OF FACILITY				38. ADDRESS OF FACILITY									
TO BE COMPLETED ONLY BY CERTIFYING PHYSICIAN						TO BE COMPLETED ONLY BY MEDICAL EXAMINER OR CORONER											
39. TO THE BEST OF MY KNOWLEDGE, DEATH OCCURRED AT THE TIME, DATE AND PLACE AND WAS DUE TO THE CAUSE(S) STATED. SIGNATURE AND TITLE X						43. ON THE BASIS OF EXAMINATION AND/OR INVESTIGATION, IN MY OPINION DEATH OCCURRED AT THE TIME, DATE AND PLACE AND WAS DUE TO THE CAUSE(S) STATED. SIGNATURE AND TITLE X											
40. DATE SIGNED (Mo., Day, Yr)				41. HOUR OF DEATH (24 Hrs)				44. DATE SIGNED (Mo., Day, Yr)				45. HOUR OF DEATH (24 Hrs)					
42. NAME AND TITLE OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print)						46. PRONOUNCED DEAD (Mo., Day, Yr)						47. HOUR PRONOUNCED DEAD (24 Hrs.)					
48. NAME AND ADDRESS OF CERTIFIER—PHYSICIAN, MEDICAL EXAMINER OR CORONER (Type or Print)												49. ME/CORONER FILE NUMBER					
50. ENTER THE DISEASES, INJURIES, OR COMPLICATIONS WHICH CAUSED THE DEATH:																	
IMMEDIATE CAUSE (Final disease or condition resulting in death)										INTERVAL BETWEEN ONSET AND DEATH							
DO NOT ENTER THE MANNER OF DYING, SUCH AS CARDIAC OR RESPIRATORY ARREST, SHOCK OR HEART FAILURE. LIST ONLY ONE CAUSE ON EACH LINE. Sequentially list conditions, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury which initiated events resulting in death) LAST.										DUE TO, OR AS A CONSEQUENCE OF:				INTERVAL BETWEEN ONSET AND DEATH			
										B. DUE TO, OR AS A CONSEQUENCE OF:				INTERVAL BETWEEN ONSET AND DEATH			
										C. DUE TO, OR AS A CONSEQUENCE OF:				INTERVAL BETWEEN ONSET AND DEATH			
										D. DUE TO, OR AS A CONSEQUENCE OF:				INTERVAL BETWEEN ONSET AND DEATH			
51. OTHER SIGNIFICANT CONDITIONS—CONDITIONS CONTRIBUTING TO DEATH BUT NOT RESULTING IN THE UNDERLYING CAUSE GIVEN ABOVE:										52. AUTOPSY? (Yes / No)		53. WAS CASE REFERRED TO MEDICAL EXAMINER OR CORONER? (Yes / No)					
54. ACC. SUICIDE, HOM., UNDET., OR PENDING INVEST. (Specify)				55. INJURY DATE (Mo, Day, Yr)				56. HOUR OF INJURY (24 Hrs)		57. DESCRIBE HOW INJURY OCCURRED:							
58. INJURY AT WORK? (Yes / No)				59. PLACE OF INJURY—AT HOME, FARM, STREET, FACTORY, OFFICE BLDG, ETC. (Specify)				60. LOCATION—STREET OR RFD NO., CITY/TOWN, STATE									
61. RECORD AMENDMENT (Registrar use only) ITEM DOCUMENTARY EVIDENCE REVIEWED BY DATE						62. REGISTRAR SIGNATURE X						63. DATE RECEIVED (Mo., Day, Yr.)					

SAMPLE

A

LOCAL FILE NUMBER

CERTIFICATE OF FETAL DEATH

STATE FILE NUMBER

Main form containing fields 1-39: Fetus Name, Sex, Date of Delivery, Place of Delivery, Facility Name, City/Town/Location, County, Father's Name, Mother's Name, Date of Birth, State of Birth, Residence, Registrar Signature, Burial/Cremation, Location, Funeral Director Signature, Name of Facility, Address, Part I (Cause of Death), Part II (Significant Conditions), Certifier Information.

CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH PURPOSES ONLY - OBTAINED FROM CERTIFICATE BEFORE PERMANENT FILING

Form containing fields 41-57: HISPANIC ORIGIN OR DESCENT?, RACE, OCCUPATION, TYPE OF BUSINESS OR INDUSTRY, EDUCATION, FATHER/MOTHER history, PREGNANCY history, PRENATAL CARE, PRINCIPAL SOURCE OF PAYMENT FOR PRENATAL CARE, DURING PREGNANCY MOTHER PARTICIPATED IN, DID MOTHER SMOKE AT ANY TIME DURING PREGNANCY?, PLURALITY, BIRTH WEIGHT.

CHECK ALL BOXES IN EACH COLUMN THAT APPLY

Form containing fields 60-66: MEDICAL RISK FACTORS FOR THIS PREGNANCY, CONDITIONS OF FETUS, METHOD OF DELIVERY, COMPLICATIONS OF LABOR AND/OR DELIVERY, OBSTETRIC PROCEDURES, CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS.

