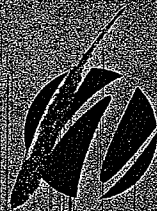


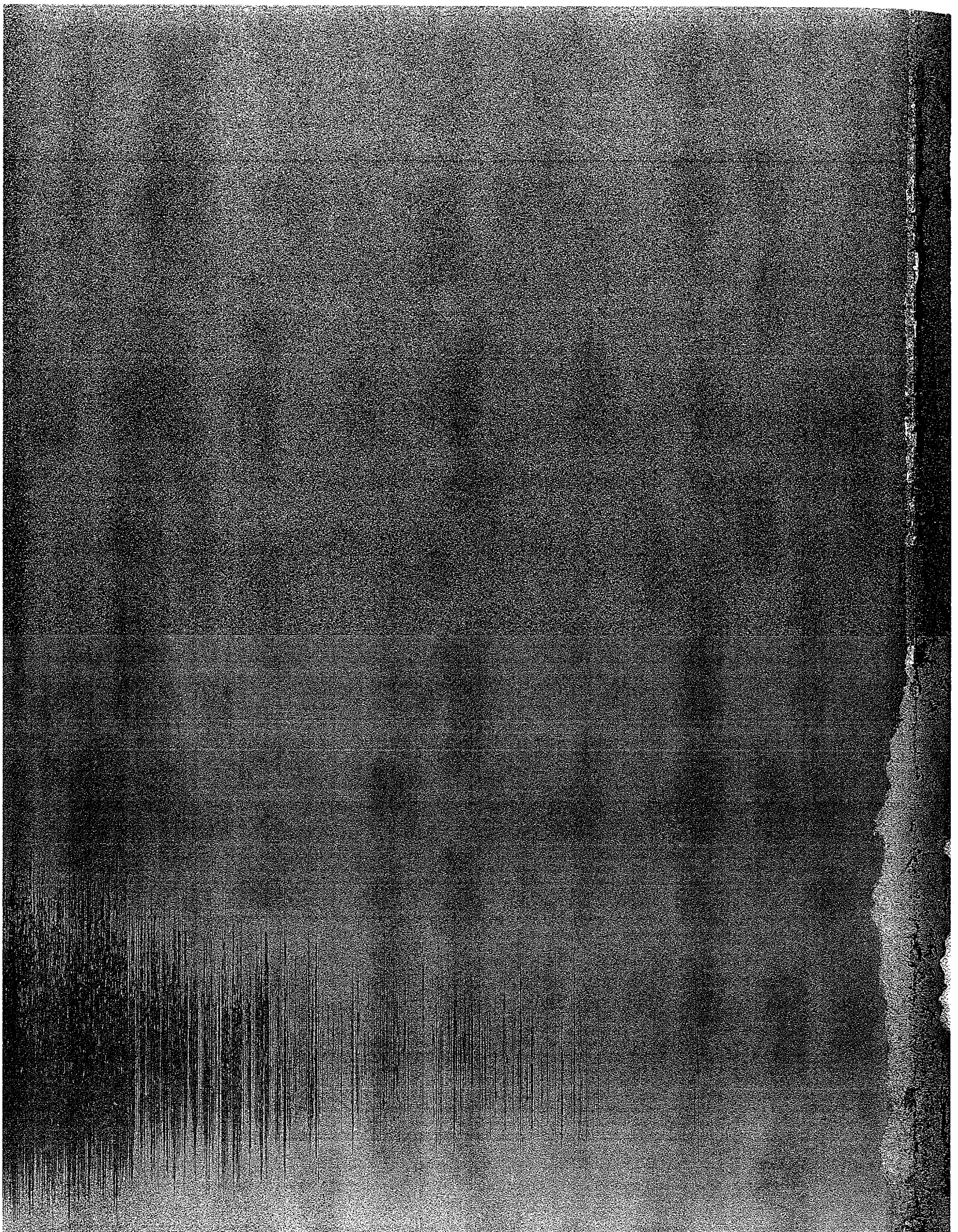
Washington State
Vital Statistics 1997



Washington State Department of

Health

Center for Health Statistics
December 1998



Washington State
Vital Statistics 1997

December 1998



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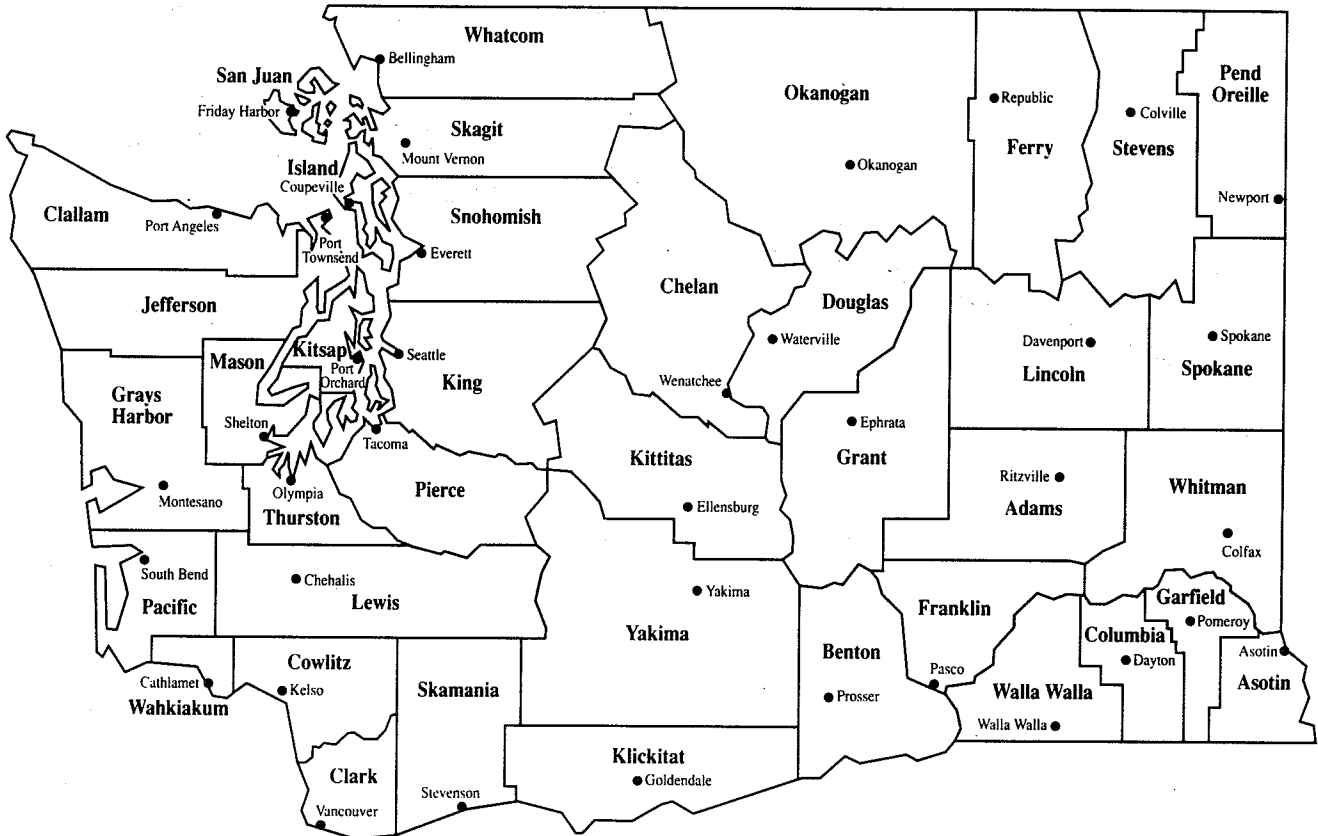
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Introduction



Washington Counties

and County Seats



Introduction

Washington State Vital Statistics, 1997, published by the Center for Health Statistics of the Washington State Department of Health, contains tables on births, deaths, marriages and dissolutions of marriage (i.e., divorces, annulments) that occurred during calendar year 1997.

This report fulfills 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 mortality due to various causes.

Source of Vital Statistics

Data used to prepare this report come from Certificates of Live Birth, Certificates of Fetal Death, Certificates of Death, Certificates of Marriage, and Certificates of Dissolution. The forms for these certificates are provided by the Washington State Department of Health. The following table describes who completes the forms and where they are 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 Jurisdiction
Death	Funeral Director, Physician, Coroner or Medical Examiner	Local Health Jurisdiction
Marriage	Person Performing the Marriage	County Auditor
Dissolution	Clerk of Court, Petitioner's Attorney	County Clerk

RCW 70.58 which governs the registration and reporting of vital statistics requires births, fetal deaths, deaths, marriages, and dissolutions of marriage to be reported within a timely fashion. Birth and death certificates are designed to gather information in a manner consistent with federal reporting requirements of the National Center for Health Statistics.

A formal interstate exchange agreement governs the mutual exchange of information on births and deaths between states and other countries so that events occurring to Washington residents elsewhere are also reported to this state. Such an interstate exchange agreement does not exist, however, for marriages and divorces. Therefore, the Center for Health Statistics does not have the records for all of the state's residents since some may have gone elsewhere to be married or divorced.

Starting in 1992, hospitals or birth attendants use the Electronic Birth Certificate (EBC) system to send birth records directly to the Department of Health instead of to registrars of local health jurisdictions.

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, especially limitations due to small numbers. Reading this section may help beginning users avoid drawing incorrect conclusions from the data. For other users, this section may serve as a review.

Issues in Using the Data

Vital statistics pertain to basic events of life, typically birth, death, marriage, and divorce. They provide powerful indicators of health problems and, therefore, 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 cannot usually tell us why the problem occurs, which is what prevention programs really need to know. It is 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).

Mortality statistics are sometimes used as indicators of disease conditions within the population. They are very limited in this capacity, however, especially for illnesses that are not usually classified as the underlying cause of death. Hospital inpatient data from the Comprehensive Hospital Abstract Reporting System (CHARS) provide a somewhat better measure of morbidity, but even these data are limited to conditions that result in a hospital admission.

Users of vital statistics frequently ask questions about the issues discussed below.

Residence vs. occurrence

What's the difference between residence and occurrence? In trying to locate topics of interest in this report, users may notice that tables contain tabulations in two ways: 1) by residence (where the person lived); or 2) 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 records on births and deaths for residents of Washington State regardless of where the event took place.

Some users may be tempted to add residence and occurrence figures together to get a total for an 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 births or deaths by place of residence relative to place of occurrence. For example, in Table 19 of this report the mother's county of residence is cross-tabulated by the county in which the birth occurred.

When should residence or occurrence data be used? Users generally need data about the residents of an area. 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, which might 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.

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.

Numbers vs. rates

When should numbers or rates be used? 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 (e.g., how many people die of cancer) or to estimate population changes due to birth and death. But, using just numbers, we cannot readily compare two areas or two time periods. Such comparisons should take the size of the population into account to avoid erroneous conclusions.

To eliminate the effect of different sized populations, we compare rates. A rate is the number of vital events (such as deaths) in a specified time period divided by the number of people at risk of these events in that period (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 and is reported as 'per 1,000' or 'per 100,000.'

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 which population 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 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. In determining the burden of a health problem in a community, numbers are usually the most appropriate measure.

Standards for comparison of rates

What are good standards for comparison of rates? To help interpret a particular rate, one may choose to compare it to rates for another county or similar geographical area, national or state data, or an independent goal or standard (such as the Year 2000 goals). Such issues as comparability of the population characteristics and stability of rates from year to year for the standard population should be considered when choosing a base for comparison.

No matter what source for comparison is chosen, 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?

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. How should unknowns be handled? When the number of unknowns for a particular characteristic is large, it can affect rates or percentage distributions based on that characteristic. For example, in 1997 father's education was missing for about 23% of the births.

How should unknowns be handled in calculating percentages? If we include unknowns in the total, the percent in any category is smaller than it would be if we subtract unknowns from the total. For example, in the case of 1997 births, the percent of fathers with less than a high school education is 10.2% if unknowns are included in the total, but the percentage is 13.2% if unknowns are excluded from the total.

In deciding which method offers a "truer" representation of the population as a whole one needs to consider whether the cases with an unknown characteristic are similar to or different from those cases in which the characteristic is known. If it appears likely that the cases with the

unknown characteristic are similar to those with the known values, then "unknowns" should be excluded from the total and percentages should be based on the "known" population. To the extent that this assumption seems unlikely, then other methods could be invoked to distribute the cases with unknown values.

Assumptions about the probable characteristics of the population with a given unknown attribute could be based on: 1) greater familiarity with local situations by persons in the county or city health community; or 2) on more in-depth analysis of the source of the unknowns in the reporting system. For example, if only a few hospitals or medical facilities fail to report a particular variable, one might examine information about the population served by those particular facilities or those living in the nearby community.

Small numbers

How should small numbers be handled? 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).

The effect of such random fluctuations on birth or death rates is 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 rates based on small numbers may not be as reliable as those based on larger numbers in the sense that they may have limited predictive value. Specifically, knowing one year's rate in such instances may not allow one to reliably anticipate the rate for another year. 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.

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

Data quality

How does data quality affect the use of the data? Conclusions and health policy decisions are only as good as the data that 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 data files are prepared and thus are not included in the data presented in this report.

In addition to determining the completeness of a reporting system, researchers are often concerned with the degree to which people report what is actually happening. This characteristic of the data is called its *validity*. Studies of validity of reporting systems like the birth certificate system usually look for an independent source of the information and determine the consistency with data contained in the reporting system. A previous study of birth certificate data quality conducted by the Center for Health Statistics showed that validity 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. Comparison to what was actually found in patients' medical history records revealed 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 less than 14 or greater than 49). Data are also checked to see if there is internal consistency between items (e.g., a person is not expected to have more than one year of college education if he/she is less than 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. Despite the potential benefits of waiting for complete information, the main thrust--particularly for birth certificates--is to streamline the reporting process and to gather and report information as close to the event as possible. This has been accomplished by the Center for Health Statistics primarily by the development of the Electronic Birth Certificate System

Confidentiality

How do we ensure confidentiality of the data? All of the data in this report are presented in aggregate form so that individuals are not likely to be identified from the tables. 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 is to be used only in aggregate statistics which do not enable the identification of specific individuals. Hence, such confidential data 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 birth and fetal death certificates in Appendix F delineate the portion that is confidential. 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 treat these data in such a way as to respect and protect the privacy of individuals who have allowed information about their personal lives to be used for the good of the public. To ensure continued reporting of important demographic, medical, and health information, data must be handled in a way that ensures the privacy of individuals as required by law.

Additional Services

This annual report provides an overview of the types of data available through the Washington State Center for Health Statistics. Birth, death, and fetal death data are also available as raw data files on the Center's CD-ROM "*Vital Registration System Annual Statistical Files, Washington State.*" The CD-ROM contains data in ASCII format, detailed technical documentation, and annual summary tables for 1980-1997 in WORD, Wordperfect, and print text format. To order a copy of the CD-ROM, call (360) 236-4321.

All of the tables in this report are available for prior years on the internet, along with copies of the supplementary materials. To access this information, go to the DOH web page at www.doh.wa.gov, click on "Publications" then click on "Center for Health Statistics data." At that point a list of tables by type appears. Click on any of the following items to locate a topic of particular interest:

- "Vital Statistics Annual Summary Tables" for a description of how to read the tables.
- "Birth and Death Tables" for the annual tables for 1980-1997.
- "Marriage Tables" or "Divorce Tables" for tables for 1991-1997.
- "Information Sources for Vital Statistics" or "Frequently Asked Questions About Vital Statistics" to access the general information about using vital statistics (also contained in the Introduction of this report).
- "Data Classifications" or "Definition of Terms" to access the information in the Technical Appendix of this report.
- "Top 100 Baby Names" for lists of names by gender for 1994-1997.

The Center also works with data users on a variety of levels: 1) to help users formulate requests so they get the data they need; 2) to provide technical consultation about how to use or interpret data; 3) to perform special analyses to address a specific problem or need; and 4) to help users access data files. For more information, call the Manager of Research of the Center for Health Statistics at (360) 236-4321.

Annual Trends

Table 1 provides a historical context for interpreting 1997 vital statistics in Washington State. The 1997 crude birth rate was the lowest rate in twenty-six years. In contrast, the crude death rate has changed little since 1980.

Trends in vital statistics since the early part of the century have been dramatic. The state population more than quadrupled from 1910-1997, while the number of fetal deaths is about half what it was and the number of infant deaths is about one-quarter what it was early in the century.

**Table 1. Live Births, Deaths, Infant Deaths, Maternal Deaths, and Fetal Deaths
Washington Residents, 1910-1997**

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
1910	1,142,000	19,916	17.4	11,502	10.1	1,862	93.5	194	97.4	705	35.4
1911	1,168,800	20,728	17.7	10,845	9.3	1,531	73.9	177	85.4	699	33.7
1912	1,190,600	20,683	17.4	10,187	8.6	1,365	66.0	179	86.5	724	35.0
1913	1,212,400	21,200	17.5	11,397	9.4	1,566	73.9	178	84.0	688	32.5
1914	1,234,000	23,008	18.6	11,448	9.3	1,540	66.9	152	66.1	783	34.0
1915	1,256,000	24,046	19.1	11,895	9.5	1,461	60.8	156	64.9	779	32.4
1916	1,277,800	23,831	18.7	11,805	9.2	1,531	64.2	175	73.4	705	29.6
1917	1,299,600	23,464	18.1	12,137	9.3	1,625	69.3	173	73.7	691	29.4
1918	1,321,400	25,682	19.4	16,837	12.7	1,769	68.9	253	98.5	730	28.4
1919	1,343,200	25,112	18.7	14,370	10.7	1,584	63.1	216	86.0	730	29.1
1920	1,356,600	27,072	20.0	15,164	11.2	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	1,563,400	23,019	14.7	16,678	10.7	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	1,736,200	27,952	16.1	19,837	11.4	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	2,379,000	55,755	23.4	22,450	9.4	1,526	27.4	28	5.0	799	14.3
1951	2,424,000	57,994	23.9	23,300	9.6	1,412	24.3	23	4.0	852	14.7
1952	2,448,000	61,436	25.1	22,874	9.3	1,522	24.8	15	2.4	857	13.9
1953	2,466,000	61,571	25.0	23,279	9.4	1,556	25.3	18	2.9	834	13.5
1954	2,516,000	62,703	24.9	23,238	9.2	1,514	24.1	29	4.6	829	13.2
1955	2,604,000	62,290	23.9	24,410	9.4	1,520	24.4	16	2.6	806	12.9
1956	2,668,000	64,999	24.4	24,207	9.1	1,524	23.4	13	2.0	777	12.0
1957	2,724,000	65,982	24.2	25,140	9.2	1,596	24.2	20	3.0	793	12.0
1958	2,773,000	65,574	23.6	25,429	9.2	1,707	26.0	11	1.7	764	11.7
1959	2,821,000	65,729	23.3	26,229	9.3	1,570	23.9	9	1.4	749	11.4

**Table 1. Live Births, Deaths, Infant Deaths, Maternal Deaths, and Fetal Deaths
Washington Residents, 1910-1997**

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
1958	2,773,000	65,574	23.6	25,429	9.2	1,707	26.0	11	1.7	764	11.7
1959	2,821,000	65,729	23.3	26,229	9.3	1,570	23.9	9	1.4	749	11.4
1960	2,853,200	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	17.0	29,302	9.1	1,050	19.1	12	2.2	573	10.4
1968	3,336,000	57,206	17.1	30,360	9.1	1,120	19.6	8	1.4	620	10.8
1969	3,397,000	59,354	17.5	30,504	9.0	1,118	18.8	12	2.0	651	11.0
1970	3,413,300	60,499	17.7	29,901	8.8	1,135	18.8	9	1.5	640	10.6
1971	3,436,300	55,304	16.1	30,318	8.8	1,008	18.2	5	0.9	574	10.4
1972	3,430,300	48,250	14.1	29,747	8.7	805	16.7	6	1.2	428	8.9
1973	3,444,300	47,636	13.8	30,751	8.9	781	16.4	3	0.6	430	9.0
1974	3,508,700	50,096	14.3	29,773	8.5	763	15.2	4	0.8	450	9.0
1975	3,567,900	50,821	14.2	29,778	8.3	798	15.7	5	1.0	421	8.3
1976	3,634,900	53,004	14.6	30,275	8.3	765	14.4	3	0.6	439	8.3
1977	3,715,400	57,256	15.4	29,789	8.0	696	12.2	5	0.9	426	7.4
1978	3,836,200	58,725	15.3	30,469	7.9	737	12.6	4	0.7	465	7.9
1979	3,979,200	64,377	16.2	30,418	7.6	737	11.4	8	1.2	466	7.2
1980	4,132,400	67,989	16.5	32,049	7.8	802	11.8	10	1.5	533	7.8
1981	4,229,300	69,987	16.5	32,035	7.6	735	10.5	7	1.0	487	7.0
1982	4,276,500	69,681	16.3	32,316	7.6	755	10.8	8	1.1	499	7.2
1983	4,307,200	68,794	16.0	32,653	7.6	656	9.5	6	0.9	473	6.9
1984	4,354,100	69,059	15.9	33,809	7.8	702	10.2	7	1.0	444	6.4
1985	4,415,800	70,357	15.9	34,478	7.8	749	10.6	5	0.7	403	5.7
1986	4,462,200	69,572	15.6	34,176	7.7	676	9.7	2	0.3	445	6.4
1987	4,527,100	70,409	15.6	34,983	7.7	683	9.7	1	0.1	411	5.8
1988	4,616,900	72,660	15.7	36,341	7.9	656	9.0	1	0.1	381	5.2
1989	4,728,100	75,595	16.0	36,130	7.6	694	9.2	2	0.3	388	5.1
1990	4,866,700	79,468	16.3	37,047	7.6	622	7.8	4	0.5	462	5.8
1991	5,000,400	79,962	16.0	37,028	7.4	603	7.5	3	0.4	426	5.3
1992	5,116,700	79,897	15.6	38,095	7.4	540	6.8	3	0.4	448	5.6
1993	5,240,900	78,771	15.0	40,380	7.7	495	6.3	6	0.8	396	5.0
1994	5,334,400	77,368	14.5	39,906	7.5	478	6.2	3	0.4	443	5.7
1995	5,429,900	77,240	14.2	40,729	7.5	449	5.8	0	0.0	419	5.4
1996	5,516,800	77,874	14.1	42,248	7.7	467	6	3	0.1	462	5.9
1997	5,606,800	78,141	13.9	41,429	7.4	440	5.6	2	0.1	457	5.8

¹Population figures for 1910-1950 ten year intervals and for 1950-1997 single years are from the Office of Financial Management, 1997 Population Trends for Washington State, October 1997.

²Rate per 1,000 population.

³Rate per 1,000 live births.

⁴1979-1988 maternal death figures are based on a study using both birth and death certificates; maternal deaths in other years are based only on the death certificate and may undercount deaths due to complications of pregnancy.

⁵Rate per 10,000 live births.

Natality



Table 2. Births by Selected Topics, 1997

A. Residence, Mother's Race/Ethnicity by Sex

Race/Ethnicity	Total	Male	Female
State Total	78,141	40,031	38,110
White	65,266	33,399	31,867
African American	3,024	1,530	1,494
Native American	1,678	879	799
Japanese	272	148	124
Chinese	541	282	259
Filipino	991	515	476
Other Asian	3,541	1,837	1,704
Other	60	28	32
Unknown	2,768	1,413	1,355
Hispanic ¹	9,323	4,741	4,582

BIRA49P5

B. Residence, Child's Race/Ethnicity by Sex

Race/Ethnicity	Total	Male	Female
State Total	78,141	40,031	38,110
White	62,726	32,094	30,632
African American	4,750	2,413	2,337
Native American	2,148	1,115	1,033
Japanese	312	167	145
Chinese	565	296	269
Filipino	1,047	535	512
Other Asian	4,209	2,199	2,010
Other	74	37	37
Unknown	2,310	1,175	1,135
Hispanic ¹	11,985	6,047	5,938

BIRA49M1

C. Residence, Mother's Age Group by Sex

Age	Total	Male	Female
State Total	78,141	40,031	38,110
Under 15	143	77	66
15 - 17	2,968	1,490	1,478
18 - 19	5,450	2,812	2,638
20 - 24	18,666	9,531	9,135
25 - 29	22,360	11,400	10,960
30 - 34	18,103	9,378	8,725
35 - 39	8,691	4,492	4,199
40 - 44	1,666	794	872
45 and Over	77	47	30
Unknown	17	10	7

BIRA49M2

D. Residence, Order of Birth to Mother

Order at Birth	Number	Percent ²
State Total	78,141	100.0
1st Child	30,917	39.5
2nd Child	24,562	31.4
3rd Child	11,597	14.8
4th Child	4,715	6.0
5th Child	1,778	2.2
6th Child	828	1.0
7th Child	367	0.4
8th Child	197	0.2
9th Child	102	0.1
10th or more	122	0.1
Unknown	2,956	3.7

BIRA49M3

E. Residence, Attendant at Birth

Attendant at Birth	Number	Percent ²
State Total	78,141	100.0
Hospital Administrator	45	0.0
MD	68,556	87.7
Licensed Midwife	891	1.1
Osteopath	1,677	2.1
Father	63	0.0
Certified Midwife	5,615	7.1
Nurse	594	0.7
Other Midwife	258	0.3
Other	434	0.5
Unknown	8	0.0

BIRA49M4

F. Residence, Maternal Smoking

Maternal Smoking	Number	Percent ²
State Total	78,141	100.0
Yes	10,890	13.9
No	63,870	81.7
Unknown	3,381	4.3

¹Persons of Hispanic Origin may be of any race. See Appendix A, "Hispanic Origin."

²Percents may not add to 100% due to rounding.

Table 2. Births by Selected Topics, 1997

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

Gram Weight	Residence				Occurrence			
	Total	Male	Female	Unknown	Total	Male	Female	Unknown
State Total	78,141	40,031	38,110	0	77,161	39,499	37,662	0
Under 1,000	359	168	191	0	348	165	183	0
1,000 - 1,499	403	208	195	0	396	207	189	0
1,500 - 1,999	847	460	387	0	821	440	381	0
2,000 - 2,499	2,772	1,316	1,456	0	2,743	1,295	1,448	0
2,500 - 2,999	10,477	4,583	5,894	0	10,363	4,530	5,833	0
3,000 - 3,499	27,720	13,038	14,682	0	27,418	12,896	14,522	0
3,500 - 3,999	25,293	13,787	11,506	0	24,932	13,589	11,343	0
4,000 - 4,499	8,399	5,198	3,201	0	8,307	5,132	3,175	0
4,500 and over	1,691	1,163	528	0	1,653	1,135	518	0
Unknown	180	110	70	0	180	110	70	0

BIRA31M5

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

Month	Live Births		Fetal Deaths	
	Residence	Occurrence	Residence	Occurrence
State Total	78,141	77,161	457	445
January	6,336	6,170	46	47
February	5,705	5,604	27	26
March	6,570	6,413	37	38
April	6,499	6,425	45	46
May	6,796	6,722	40	38
June	6,742	6,661	48	43
July	7,168	7,128	38	36
August	6,751	6,673	30	29
September	6,612	6,548	38	37
October	6,562	6,511	38	38
November	5,917	5,874	38	37
December	6,483	6,432	32	30

BIRA49P7

Table 2. Births by Selected Topics, 1997

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

Method of Delivery	Total ¹ Births	Electronic		Stimulation					Unk	
		Amnio- None	Fetal centesis Monitoring	Induction of Labor	of Labor	Toco- lysis	Ultra- sound	Other		
State Total	77,161	15,238	2,936	52,174	13,912	10,603	2,911	44,438	2,179	1,001
Vaginal Delivery	61,165	12,512	1,924	41,219	11,202	8,798	2,094	34,485	1,554	727
Vaginal Del. After Prev. C-Section	2,392	263	121	1,851	596	470	104	1,591	71	4
Primary C-Section	8,717	1,527	526	6,094	1,751	1,135	528	5,379	308	112
Repeat C-Section w/o Trial Labor	3,529	825	288	2,017	61	24	111	2,117	186	54
Repeat C-Section with Trial Labor	1,211	98	77	959	287	165	74	834	59	15
Outlet Forceps	3	0	0	3	2	1	0	3	0	0
Vacuum Extraction	23	0	0	21	11	7	0	19	0	0
Other	0	0	0	0	0	0	0	0	0	0
Unknown	121	13	0	10	2	3	0	10	1	89

BIRA49P8

¹Total births occurring in Washington, which will not equal the total number of obstetric procedures used since each birth may require more than one procedure.

J. Occurrence, Type of Place

Type of Place	Number	Percent ¹
State Total	77,161	100.0
General Hospital	72,456	93.9
Federal Facility	3,283	4.3
Home	1,004	1.3
Birth Center	319	0.4
Born on Arrival	49	0.1
Clinic/Doctor's Office	42	0.1
Unknown	8	0.0

BIRA49P7

¹Percents may not add to 100% due to rounding

Table 3. Live Births to Residents by Birth Weight in Grams by Mother's Race/Ethnicity, 1997

Birth Weight in Grams	Total	African		Native			Other				Hispanic ¹
		White	Amer.	Amer.	Japanese	Chinese	Filipino	Asian	Other	Unk	
State Total	78,141	65,266	3,024	1,678	272	541	991	3,541	60	2,768	9,323
Under 1,000	359	260	41	4	2	1	9	12	2	28	30
1,000 - 1,499	403	341	22	5	0	2	4	15	0	14	59
1,500 - 1,999	847	680	65	21	3	9	14	36	0	19	101
2,000 - 2,499	2,772	2,180	184	87	10	21	44	135	3	108	311
2,500 - 2,999	10,477	8,195	599	210	58	90	214	717	2	392	1,390
3,000 - 3,499	27,720	22,792	1,151	578	106	226	381	1,468	30	988	3,580
3,500 - 3,999	25,293	21,813	730	539	69	155	255	885	14	833	2,881
4,000 - 4,499	8,399	7,384	185	190	19	29	59	229	7	297	762
4,500 and Over	1,691	1,481	35	38	4	5	11	38	2	77	157
Unknown	180	140	12	6	1	3	0	6	0	12	52

BIRA31P6

Table 4. Live Births to Residents by Birth Weight in Grams by Child's Race/Ethnicity, 1997

Birth Weight in Grams	Total	African		Native			Other				Hispanic ¹
		White	Amer.	Amer.	Japanese	Chinese	Filipino	Asian	Other	Unk	
State Total	78,141	62,726	4,750	2,148	312	565	1,047	4,209	74	2,310	11,985
Under 1,000	359	248	46	10	2	1	9	15	2	26	46
1,000 - 1,499	403	324	35	6	0	2	4	20	0	12	73
1,500 - 1,999	847	651	81	27	6	9	18	38	0	17	129
2,000 - 2,499	2,772	2,098	253	91	14	22	42	161	3	88	411
2,500 - 2,999	10,477	7,823	833	283	61	93	225	826	6	327	1,775
3,000 - 3,499	27,720	21,860	1,792	753	125	232	388	1,707	37	826	4,539
3,500 - 3,999	25,293	21,023	1,247	674	79	168	287	1,100	19	696	3,735
4,000 - 4,499	8,399	7,141	368	243	21	30	62	284	5	245	1,025
4,500 and Over	1,691	1,424	78	54	2	6	12	50	2	63	194
Unknown	180	134	17	7	2	2	0	8	0	10	58

BIRA31P1

Table 5. Live Births to Residents by Birth Weight in Grams by Mother's Age, 1997

Birth Weight in Grams	Total	Age									Age Unk
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	
State Total	78,141	143	2,968	5,450	18,666	22,360	18,103	8,691	1,666	77	17
Under 1,000	359	0	29	25	72	83	92	48	10	0	0
1,000 - 1,499	403	0	22	28	98	98	90	51	11	4	1
1,500 - 1,999	847	5	58	55	185	216	186	125	12	5	0
2,000 - 2,499	2,772	8	134	274	670	668	617	328	67	6	0
2,500 - 2,999	10,477	34	512	886	2,699	2,895	2,088	1,126	227	5	5
3,000 - 3,499	27,720	57	1,172	2,037	6,954	7,920	6,132	2,866	557	21	4
3,500 - 3,999	25,293	30	814	1,618	5,944	7,401	6,139	2,810	506	28	3
4,000 - 4,499	8,399	6	194	448	1,698	2,505	2,253	1,088	201	5	1
4,500 and Over	1,691	2	23	64	315	529	461	228	66	3	0
Unknown	180	1	10	15	31	45	45	21	9	0	3

BIRA31P3

¹Persons of Hispanic Origin may be of any race. See Appendix A, "Hispanic Origin."

Table 6. Live Births to Residents by Month Prenatal Care Began by Mother's Age, 1997

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	78,141	143	2,968	5,450	18,666	22,360	18,103	8,691	1,666	77	17
First	16,670	11	333	696	3,175	5,178	4,740	2,137	383	16	1
Second	27,568	24	721	1,655	6,363	8,223	6,735	3,264	556	23	4
Third	14,902	22	678	1,248	3,897	4,135	3,088	1,514	305	13	2
Fourth	5,233	18	380	551	1,529	1,312	889	450	96	5	3
Fifth	2,679	18	254	321	834	607	392	195	54	4	0
Sixth	1,519	11	116	188	485	363	229	97	27	3	0
Seventh	914	7	86	118	290	209	119	63	19	2	1
Eighth	590	6	45	55	182	144	102	49	7	0	0
Ninth +	349	2	23	31	101	90	62	33	7	0	0
No Care	532	8	50	64	120	120	103	50	16	0	1
Unknown	7,185	16	282	523	1,690	1,979	1,644	839	196	11	5

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Table 7. Live Births to Residents by Number of Prenatal Visits by Month Care Began, 1997

Number of Prenatal Visits	Total	1 - 3	4 - 6	7 - 9+	No Care	Unk
State Total	78,141	59,140	9,431	1,853	532	7,185
9 or More	53,192	47,700	4,466	286	0	740
5 - 8	12,011	7,271	3,740	638	0	362
1 - 4	2,322	612	775	737	0	198
No Visits	532	0	0	0	532	0
Unknown	10,084	3,557	450	192	0	5,885

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Table 8. Live Births by Sex and Place of Residence and by Place of Occurrence, 1997

County and City	Residence				Occurrence	
	Number	Rate ¹	Male	Female	Number	Rate ¹
State Total	78,141	13.9	40,031	38,110	77,161	13.8
Adams	292	18.5	141	151	367	23.2
Asotin	284	14.4	143	141	1	—*
Benton	2,025	15.1	1,078	947	2,745	20.5
Kennewick	932	19.0	517	415	994	20.2
Richland	421	11.5	208	213	1,347	36.9
Chelan	979	15.7	504	475	1,412	22.7
Wenatchee	553	22.0	287	266	1,292	51.4
Clallam	646	9.7	319	327	648	9.8
Port Angeles	234	12.4	107	127	619	32.8
Clark	4,947	15.6	2,571	2,376	3,897	12.3
Vancouver	2,325	18.2	1,210	1,115	3,873	30.3
Columbia	40	9.5	17	23.0	0	—*
Cowlitz	1,173	12.8	570	603	1,236	13.4
Longview	486	14.5	243	243	1,229	36.6
Douglas	436	14.2	238	198	5	0.2
Ferry	75	10.3	37	38	8	1.1
Franklin	972	22.1	486	486	583	13.3
Pasco	689	27.2	357	332	579	22.9
Garfield	13	5.4	9	4	0	—*
Grant	1,387	20.3	688	699	1,080	15.8
Grays Harbor	848	12.4	434	414	529	7.7
Aberdeen	265	15.9	133	132	527	31.6
Island	953	13.3	477	476	682	9.5
Oak Harbor	437	21.6	210	227	427	21.1
Jefferson	214	8.1	89	125	152	5.8
King	21,646	13.1	11,029	10,617	25,143	15.3
Auburn	833	22.7	417	416	699	19.0
Bellevue	1,319	12.6	645	674	3,078	29.4
Burien	177	6.3	83	94	793	28.4
Des Moines	316	11.7	152	164	5	0.2
Federal Way	1,241	16.3	638	603	1,800	23.7
Kent	1,594	25.7	813	781	9	0.1
Kirkland	798	18.3	416	382	3,030	69.3
Mercer Island	167	7.7	88	79	3	—*
Redmond	821	19.4	440	381	966	22.9
Renton	1,038	22.6	536	502	3,009	65.5
Sea Tac	118	5.1	63	55	4	—*
Seattle	6,926	12.9	3,482	3,444	11,408	21.3
Shoreline	214	4.2	92	122	4	—*
Kitsap	3,252	14.2	1,656	1,596	2,654	11.6
Bainbridge Island	147	7.8	71	76	6	0.3
Bremerton	1,033	26.8	523	510	2,618	67.8

Table 8. Live Births by Sex and Place of Residence and by Place of Occurrence, 1997

County and City	Residence				Occurrence	
	Number	Rate ¹	Male	Female	Number	Rate ¹
Kittitas	307	9.7	151	156	269	8.5
Klickitat	236	12.4	128	108	169	8.9
Lewis	878	12.9	453	425	691	10.1
Lincoln	131	13.4	72	59	36	3.7
Mason	521	10.9	288	233	242	5.1
Okanogan	522	13.6	259	263	552	14.4
Pacific	215	10.1	111	104	107	5.0
Pend Oreille	124	11.1	66	58	62	5.5
Pierce	9,730	14.4	5,022	4,708	10,157	15.1
Lakewood	41	0.7	19	22	1	—*
Puyallup	773	26.2	414	359	1,379	46.8
Tacoma	3,892	21.0	2,012	1,880	8,637	46.5
University Place	57	2.0	24	33	1	—*
San Juan	113	9.0	63	50	8	0.6
Skagit	1,336	13.8	674	662	1,521	15.7
Mount Vernon	493	22.1	247	246	1,250	56.1
Skamania	91	9.2	40	51	5	0.5
Snohomish	8,110	14.7	4,180	3,930	5,755	10.4
Edmonds	490	13.8	235	255	1,625	45.8
Everett	1,993	23.7	1,060	933	3,240	38.5
Lynnwood	864	26.1	458	406	13	0.4
Marysville	510	27.2	259	251	5	0.3
Mountlake Terrace	289	14.2	150	139	1	—*
Mukilteo	168	10.6	89	79	5	0.3
Spokane	5,530	13.5	2,874	2,656	6,313	15.4
Spokane (City)	3,186	16.9	1,661	1,525	6,264	33.3
Stevens	453	12.1	229	224	320	8.6
Thurston	2,422	12.3	1,276	1,146	2,663	13.5
Lacey	362	13.1	192	170	5	0.2
Olympia	713	18.4	346	367	2,642	68.4
Wahkiakum	39	10.0	23	16	0	—*
Walla Walla	675	12.5	347	328	851	15.8
Walla Walla (City)	375	12.9	185	190	843	29.0
Whatcom	1,945	12.5	1,002	943	1,913	12.2
Bellingham	776	12.7	399	377	1,897	31.0
Whitman	392	9.5	192	200	340	8.3
Pullman	183	7.3	82	101	275	11.0
Yakima	4,189	20.1	2,095	2,094	4,045	19.4
Yakima (City)	1,440	22.7	714	726	2,846	44.8

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¹Rates per 1,000 population.

*Rate not calculated because number of births was less than 5.

Table 9. Live Births by Mother's Age Group by Place of Residence, 1997

County and City	All Ages	Under								45 and Over	Age Unk
		15	15-17	18-19	20-24	25-29	30-34	35-39	40-44		
State Total	78,141	143	2,968	5,450	18,666	22,360	18,103	8,691	1,666	77	17
Adams	292	1	33	23	78	89	47	17	4	0	0
Asotin	284	0	23	30	89	66	46	20	10	0	0
Benton	2,025	7	101	195	536	554	422	179	28	3	0
Kennewick	932	5	51	108	282	236	175	64	11	0	0
Richland	421	2	13	36	102	113	102	45	8	0	0
Chelan	979	3	43	73	245	308	201	95	11	0	0
Wenatchee	553	3	28	47	128	180	117	43	7	0	0
Clallam	646	2	22	57	203	184	107	58	13	0	0
Port Angeles	234	1	6	26	85	57	37	18	4	0	0
Clark	4,947	7	192	363	1,258	1,472	1,090	466	94	4	1
Vancouver	2,325	3	105	209	668	695	425	191	27	2	0
Columbia	40	0	4	9	8	11	4	4	0	0	0
Cowlitz	1,173	2	69	120	408	330	153	75	15	0	1
Longview	486	1	34	56	186	121	58	26	4	0	0
Douglas	436	0	19	41	132	129	77	29	9	0	0
Ferry	75	0	8	6	29	13	11	7	1	0	0
Franklin	972	1	71	94	306	251	155	80	11	2	1
Pasco	689	0	59	66	224	184	93	54	7	2	0
Garfield	13	0	0	1	1	3	5	2	0	0	1
Grant	1,387	6	100	159	430	396	199	86	9	2	0
Grays Harbor	848	2	58	89	247	234	138	66	14	0	0
Aberdeen	265	0	24	31	85	70	33	20	2	0	0
Island	953	2	22	48	289	279	187	96	27	2	1
Oak Harbor	437	0	10	30	162	136	62	31	6	0	0
Jefferson	214	0	11	27	51	57	33	24	11	0	0
King	21,646	32	477	918	3,682	5,915	6,416	3,481	687	33	5
Auburn	833	1	42	56	248	249	157	68	11	1	0
Bellevue	1,319	3	11	38	165	337	446	269	47	3	0
Burien	177	0	5	13	46	53	37	18	5	0	0
Des Moines	316	1	11	15	72	106	72	35	4	0	0
Federal Way	1,241	2	21	83	308	386	295	129	17	0	0
Kent	1,594	2	36	99	375	488	389	181	22	2	0
Kirkland	798	2	14	15	95	252	251	146	23	0	0
Mercer Island	167	0	0	1	6	22	64	62	11	1	0
Redmond	821	0	9	11	89	245	292	139	33	3	0
Renton	1,038	0	23	47	223	329	279	114	23	0	0
Sea Tac	118	0	6	10	33	28	19	20	2	0	0
Seattle	6,926	9	158	270	1,108	1,802	2,090	1,193	280	15	1
Shoreline	214	0	3	5	21	59	72	47	7	0	0
Kitsap	3,252	2	104	256	950	862	690	322	65	1	0
Bainbridge Island	147	0	1	1	5	20	62	44	13	1	0
Bremerton	1,033	2	42	117	362	272	172	56	10	0	0

Table 9. Live Births by Mother's Age Group by Place of Residence, 1997

County and City	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unk
Kittitas	307	2	9	13	91	97	65	26	4	0	0
Klickitat	236	0	15	27	64	71	34	22	3	0	0
Lewis	878	0	57	93	300	223	130	63	11	1	0
Lincoln	131	0	4	14	26	38	27	20	2	0	0
Mason	521	2	27	53	144	153	86	47	9	0	0
Okanogan	522	1	26	59	171	134	83	38	9	1	0
Pacific	215	0	16	30	62	62	29	12	4	0	0
Pend Oreille	124	0	8	11	29	28	30	16	2	0	0
Pierce	9,730	21	400	729	2,639	2,899	1,997	891	142	9	3
Lakewood	41	0	2	4	11	9	8	4	3	0	0
Puyallup	773	2	34	46	211	247	167	58	8	0	0
Tacoma	3,892	11	209	344	1,061	1,098	759	352	53	5	0
University Place	57	0	0	1	13	17	17	9	0	0	0
San Juan	113	0	3	5	12	26	38	20	9	0	0
Skagit	1,336	4	73	122	365	350	267	121	31	2	1
Mount Vernon	493	2	33	41	135	137	97	40	6	2	0
Skamania	91	0	5	6	21	23	22	7	6	1	0
Snohomish	8,110	9	237	462	1,684	2,540	2,137	882	150	7	2
Edmonds	490	0	12	13	75	127	165	85	13	0	0
Everett	1,993	2	69	149	583	631	381	149	28	1	0
Lynnwood	864	2	22	61	188	296	198	87	9	1	0
Marysville	510	1	17	28	127	161	120	46	10	0	0
Mountlake Terrace	289	0	7	16	50	105	85	23	2	1	0
Mukilteo	168	0	3	9	23	32	67	30	3	1	0
Spokane	5,530	5	210	445	1,447	1,664	1,163	492	101	3	0
Spokane (City)	3,186	3	136	284	869	951	646	242	54	1	0
Stevens	453	1	25	49	139	124	69	33	13	0	0
Thurston	2,422	2	96	179	576	726	549	246	46	1	1
Lacey	362	0	14	31	102	118	71	23	3	0	0
Olympia	713	2	30	49	176	214	164	66	11	0	1
Wahkiakum	39	0	4	5	6	13	8	2	1	0	0
Walla Walla	675	2	36	65	180	205	126	54	7	0	0
Walla Walla (City)	375	1	19	40	105	104	76	26	4	0	0
Whatcom	1,945	2	66	130	413	588	483	225	37	1	0
Bellingham	776	1	28	58	174	228	195	83	9	0	0
Whitman	392	0	4	14	84	146	89	47	8	0	0
Pullman	183	0	0	2	49	72	39	16	5	0	0
Yakima	4,189	25	290	430	1,271	1,097	690	320	62	4	0
Yakima (City)	1,440	6	98	152	473	363	226	107	14	1	0

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Table 10. Live Births to Single Mothers by Mother's Age Group by Place of Residence, 1997

County and City	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unk
State Total	21,200	135	2,606	3,730	7,217	4,116	2,132	1,020	229	13	2
Adams	87	1	17	17	25	18	7	2	0	0	0
Asotin	107	0	19	24	38	10	9	5	2	0	0
Benton	570	6	89	134	190	82	44	21	2	2	0
Kennewick	328	4	46	80	119	34	30	13	2	0	0
Richland	92	2	11	26	30	18	2	3	0	0	0
Chelan	259	3	36	37	88	56	25	13	1	0	0
Wenatchee	160	3	24	23	47	40	17	5	1	0	0
Clallam	223	2	19	42	79	38	26	14	3	0	0
Port Angeles	93	1	5	18	36	14	11	5	3	0	0
Clark	1,268	7	172	236	441	237	106	57	11	1	0
Vancouver	723	3	93	130	261	143	61	28	4	0	0
Columbia	19	0	4	8	3	2	0	2	0	0	0
Cowlitz	418	2	65	83	154	65	32	13	4	0	0
Longview	185	1	31	36	75	26	10	6	0	0	0
Douglas	119	0	14	13	48	22	17	4	1	0	0
Ferry	37	0	8	5	13	5	4	2	0	0	0
Franklin	351	1	58	56	128	60	28	16	4	0	0
Pasco	277	0	48	36	101	52	24	13	3	0	0
Garfield	1	0	0	1	0	0	0	0	0	0	0
Grant	454	6	83	98	158	73	21	13	0	2	0
Grays Harbor	343	2	54	62	110	63	29	17	6	0	0
Aberdeen	129	0	22	20	42	27	12	5	1	0	0
Island	181	2	19	28	74	35	11	7	4	1	0
Oak Harbor	89	0	9	15	39	17	4	3	2	0	0
Jefferson	68	0	11	17	17	11	6	5	1	0	0
King	4,848	32	430	670	1,627	1,069	654	290	71	4	1
Auburn	290	1	39	41	108	62	25	11	3	0	0
Bellevue	172	3	9	21	61	26	34	16	1	1	0
Burien	53	0	4	7	17	16	6	2	1	0	0
Des Moines	101	1	11	14	38	23	11	3	0	0	0
Federal Way	359	2	17	63	144	79	43	10	1	0	0
Kent	400	2	32	70	143	94	35	20	4	0	0
Kirkland	101	2	13	10	32	27	8	9	0	0	0
Mercer Island	11	0	0	0	1	6	3	1	0	0	0
Redmond	81	0	8	4	26	25	11	5	2	0	0
Renton	269	0	22	38	95	75	26	11	2	0	0
Sea Tac	46	0	5	9	19	8	5	0	0	0	0
Seattle	1,771	9	140	202	574	392	299	117	34	3	1
Shoreline	27	0	3	3	7	9	5	0	0	0	0
Kitsap	767	1	92	163	270	126	70	37	8	0	0
Bainbridge Island	10	0	1	0	2	1	1	2	3	0	0
Bremerton	314	1	37	78	115	52	21	8	2	0	0

Table 10. Live Births to Single Mothers by Mother's Age Group by Place of Residence, 1997

County and City	All Ages	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unk
Kittitas	77	1	9	8	29	11	11	7	1	0	0
Klickitat	90	0	12	20	27	17	11	3	0	0	0
Lewis	294	0	45	58	108	40	29	10	4	0	0
Lincoln	28	0	4	8	8	2	2	4	0	0	0
Mason	187	2	26	39	64	32	16	7	1	0	0
Okanogan	205	1	24	41	73	40	16	9	1	0	0
Pacific	86	0	13	19	21	15	12	5	1	0	0
Pend Oreille	47	0	8	9	14	8	4	4	0	0	0
Pierce	2,976	20	364	518	989	627	290	133	34	1	0
Lakewood	10	0	1	2	5	1	1	0	0	0	0
Puyallup	233	2	32	36	90	40	24	9	0	0	0
Tacoma	1,664	10	195	268	556	387	151	73	23	1	0
University Place	10	0	0	1	5	3	1	0	0	0	0
San Juan	29	0	3	4	5	9	4	2	2	0	0
Skagit	422	4	61	85	143	67	40	18	4	0	0
Mount Vernon	169	2	26	25	63	28	18	6	1	0	0
Skamania	21	0	5	2	9	3	1	0	1	0	0
Snohomish	1,833	8	209	324	616	393	181	85	17	0	0
Edmonds	86	0	12	7	25	18	14	7	3	0	0
Everett	572	1	53	101	227	112	52	23	3	0	0
Lynnwood	201	2	21	44	63	47	12	11	1	0	0
Marysville	133	1	17	20	54	29	6	4	2	0	0
Mountlake Terrace	67	0	7	14	20	14	10	2	0	0	0
Mukilteo	28	0	3	5	6	4	8	1	1	0	0
Spokane	1,607	5	187	323	588	298	124	62	20	0	0
Spokane (City)	1,052	3	123	217	399	183	75	41	11	0	0
Stevens	148	1	24	35	51	22	8	5	2	0	0
Thurston	648	2	79	124	209	122	66	41	4	0	1
Lacey	115	0	12	24	44	22	7	6	0	0	0
Olympia	219	2	24	35	84	38	23	12	0	0	1
Wahkiakum	12	0	3	4	3	1	1	0	0	0	0
Walla Walla	197	2	30	42	63	45	10	4	1	0	0
Walla Walla (City)	118	1	15	25	40	28	8	1	0	0	0
Whatcom	446	1	60	86	145	73	51	23	7	0	0
Bellingham	204	1	24	39	69	35	25	9	2	0	0
Whitman	58	0	3	10	23	12	7	3	0	0	0
Pullman	19	0	0	2	11	3	2	1	0	0	0
Yakima	1,669	23	247	277	566	307	159	77	11	2	0
Yakima (City)	592	6	81	105	209	111	53	24	3	0	0

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Table 11. Live Births by Mother's Race/Ethnicity by Place of Residence, 1997

County and City	Total	White	African American	Native American	Japa- nese	Chinese	Filipino	Other Asian	Other	Unk	Hispanic Origin ¹
State Total	78,141	65,266	3,024	1,678	272	541	991	3,541	60	2,768	9,323
Adams	292	284	2	0	0	1	1	3	0	1	191
Asotin	284	272	2	4	2	0	0	2	1	1	5
Benton	2,025	1,924	34	13	2	6	13	27	1	5	386
Kennewick	932	886	17	7	1	2	5	11	1	2	191
Richland	421	386	13	2	1	4	3	11	0	1	30
Chelan	979	970	1	3	0	0	0	3	0	2	350
Wenatchee	553	550	0	0	0	0	0	2	0	1	174
Clallam	646	558	5	64	0	3	2	9	0	5	32
Port Angeles	234	216	2	9	0	0	1	3	0	3	8
Clark	4,947	4,559	101	54	8	21	32	168	1	3	269
Vancouver	2,325	2,110	61	31	2	12	12	97	0	0	187
Columbia	40	39	0	1	0	0	0	0	0	0	6
Cowlitz	1,173	1,117	6	19	0	0	6	14	4	7	66
Longview	486	459	3	7	0	0	2	10	3	2	34
Douglas	436	429	0	2	0	0	1	2	0	2	156
Ferry	75	52	0	20	0	0	0	0	0	3	1
Franklin	972	930	17	4	0	0	4	14	2	1	594
Pasco	689	655	15	4	0	0	3	9	2	1	470
Garfield	13	13	0	0	0	0	0	0	0	0	0
Grant	1,387	1,361	9	8	1	1	1	5	0	1	611
Grays Harbor	848	722	1	77	0	0	6	13	0	29	65
Aberdeen	265	232	0	22	0	0	2	4	0	5	27
Island	953	819	43	14	8	1	41	22	0	5	49
Oak Harbor	437	351	30	8	4	1	28	13	0	2	32
Jefferson	214	195	1	9	0	1	2	3	1	2	4
King	21,646	15,266	1,425	272	150	403	445	1,894	29	1,762	1,533
Auburn	833	688	11	42	1	0	8	40	0	43	67
Bellevue	1,319	889	24	4	27	75	15	165	3	117	121
Burien	177	130	14	2	0	1	6	17	0	7	23
Des Moines	316	223	26	7	1	1	9	29	0	20	24
Federal Way	1,241	910	100	9	5	14	25	121	2	55	106
Kent	1,594	1,149	83	18	4	15	37	115	1	172	112
Kirkland	798	640	11	5	6	10	10	57	0	59	35
Mercer Island	167	128	1	1	3	6	2	12	1	13	5
Redmond	821	636	7	2	12	30	4	68	2	60	49
Renton	1,038	657	96	17	7	19	25	93	2	122	57
Sea Tac	118	75	14	1	1	2	5	8	0	12	13
Seattle	6,926	4,321	762	97	55	141	212	809	7	522	459
Shoreline	214	152	3	2	4	2	5	12	0	34	8
Kitsap	3,252	2,750	142	71	14	7	122	102	3	41	265
Bainbridge Island	147	133	0	0	0	1	0	6	0	7	1
Bremerton	1,033	816	83	23	3	1	59	40	1	7	109

Table 11. Live Births by Mother's Race/Ethnicity by Place of Residence, 1997

County and City	Total	White	African American	Native American	Japa- nese	Chinese	Filipino	Other Asian	Other	Unk	Hispanic Origin ¹
Kittitas	307	293	2	1	0	1	0	7	0	3	24
Klickitat	236	207	2	23	1	0	1	2	0	0	19
Lewis	878	823	4	15	1	0	2	7	0	26	77
Lincoln	131	128	0	1	0	0	1	0	0	1	3
Mason	521	460	4	23	1	1	4	10	0	18	51
Okanogan	522	433	0	71	0	0	2	2	0	14	151
Pacific	215	198	0	7	0	0	0	8	0	2	23
Pend Oreille	124	116	0	2	0	1	0	1	1	3	1
Pierce	9,730	7,744	859	203	27	23	131	520	3	220	700
Lakewood	41	31	4	1	0	0	2	3	0	0	1
Puyallup	773	708	12	12	1	4	0	15	0	21	46
Tacoma	3,892	2,739	512	118	9	9	52	340	2	111	371
University Place	57	44	5	0	0	1	2	4	0	1	3
San Juan	113	107	0	1	0	0	0	3	0	2	4
Skagit	1,336	1,274	8	24	0	0	10	16	0	4	301
Mount Vernon	493	470	6	3	0	0	7	7	0	0	185
Skamania	91	91	0	0	0	0	0	0	0	0	4
Snohomish	8,110	6,965	151	125	26	39	104	377	7	316	405
Edmonds	490	405	10	8	1	4	6	19	1	36	19
Everett	1,993	1,678	69	28	10	7	30	104	2	65	138
Lynnwood	864	650	30	7	3	9	25	88	1	51	63
Marysville	510	440	3	25	1	1	7	21	2	10	20
Mountlake Terrace	289	217	13	7	0	2	8	21	0	21	19
Mukilteo	168	148	3	3	1	1	1	11	0	0	4
Spokane	5,530	5,126	106	120	8	14	22	99	1	34	160
Spokane (City)	3,186	2,910	79	85	5	7	9	71	1	19	99
Stevens	453	409	0	38	0	0	0	4	0	2	7
Thurston	2,422	1,974	43	52	10	2	22	104	0	215	124
Lacey	362	272	13	9	1	0	7	29	0	31	29
Olympia	713	567	10	20	2	2	3	41	0	68	38
Wahkiakum	39	38	0	0	0	0	1	0	0	0	0
Walla Walla	675	641	8	9	3	0	0	11	0	3	189
Walla Walla (City)	375	352	8	6	1	0	0	6	0	2	119
Whatcom	1,945	1,753	13	80	6	5	5	52	4	27	172
Bellingham	776	677	10	33	5	3	3	27	3	15	74
Whitman	392	349	7	4	2	8	0	20	2	0	12
Pullman	183	148	6	1	2	7	0	17	2	0	9
Yakima	4,189	3,877	28	244	2	3	10	17	0	8	2,313
Yakima (City)	1,440	1,361	19	40	1	2	3	11	0	3	724

BIRAB1M1

¹Persons of Hispanic Origin may be of any race. See Appendix A, "Hispanic Origin."

Table 12. Live Births by Child's Race/Ethnicity¹ by Place of Residence, 1997

County and City	Total	White	African American	Native American	Japa- nese	Chinese	Filipino	Other Asian	Other	Unk	Hispanic Origin ¹
State Total	78,141	62,726	4,750	2,148	312	565	1,047	4,209	74	2,310	11,985
Adams	292	283	3	0	0	1	0	4	0	1	210
Asotin	284	263	4	10	1	1	0	3	2	0	6
Benton	2,025	1,879	49	28	4	7	12	39	3	4	456
Kennewick	932	864	28	11	2	3	4	16	2	2	237
Richland	421	378	14	5	2	4	3	13	1	1	45
Chelan	979	963	3	5	1	0	0	5	0	2	389
Wenatchee	553	547	1	1	0	0	0	3	0	1	199
Clallam	646	537	8	80	0	3	3	11	0	4	58
Port Angeles	234	205	5	18	0	0	1	3	0	2	14
Clark	4,947	4,428	168	72	12	27	34	204	1	1	397
Vancouver	2,325	2,040	96	39	3	13	16	118	0	0	257
Columbia	40	40	0	0	0	0	0	0	0	0	8
Cowlitz	1,173	1,085	18	35	0	1	6	18	6	4	115
Longview	486	440	9	17	0	0	2	13	5	0	63
Douglas	436	428	1	3	0	0	1	1	0	2	171
Ferry	75	49	0	23	0	0	0	0	0	3	1
Franklin	972	927	20	3	1	0	1	18	2	0	652
Pasco	689	655	17	3	0	0	1	11	2	0	515
Garfield	13	13	0	0	0	0	0	0	0	0	0
Grant	1,387	1,341	13	14	3	1	3	11	0	1	687
Grays Harbor	848	696	5	100	0	0	8	14	0	25	133
Aberdeen	265	226	2	25	0	0	3	4	0	5	58
Island	953	781	74	20	8	0	43	23	0	4	76
Oak Harbor	437	332	48	10	4	0	29	13	0	1	48
Jefferson	214	189	2	12	0	0	2	5	2	2	9
King	21,646	14,578	1,993	359	154	408	454	2,174	32	1,494	2,091
Auburn	833	650	41	41	1	0	8	55	1	36	101
Bellevue	1,319	879	44	4	24	77	16	188	4	83	163
Burien	177	123	16	4	0	1	7	20	0	6	28
Des Moines	316	199	45	8	0	1	8	39	0	16	39
Federal Way	1,241	830	165	14	4	17	25	136	0	50	143
Kent	1,594	1,067	142	30	6	12	37	139	2	159	158
Kirkland	798	615	26	5	7	9	10	74	0	52	62
Mercer Island	167	126	2	1	2	6	2	16	1	11	5
Redmond	821	614	20	3	14	28	6	86	3	47	69
Renton	1,038	620	127	23	6	18	31	105	1	107	78
Sea Tac	118	66	22	4	1	2	5	8	0	10	17
Seattle	6,926	4,106	953	121	59	145	208	892	9	433	627
Shoreline	214	146	7	3	4	4	5	13	0	32	14
Kitsap	3,252	2,592	252	95	14	6	122	134	2	35	384
Bainbridge Island	147	131	3	0	0	1	0	7	0	5	3
Bremerton	1,033	752	138	31	3	0	55	47	1	6	149

Table 12. Live Births by Child's Race/Ethnicity¹ by Place of Residence, 1997

County and City	Total	White	African American	Native American	Japa-nese	Chinese	Filipino	Other Asian	Other	Unk	Hispanic Origin ¹
Kittitas	307	282	6	6	0	1	0	9	0	3	43
Klickitat	236	206	2	23	1	0	1	3	0	0	30
Lewis	878	807	7	27	2	0	2	13	1	19	116
Lincoln	131	125	2	3	0	0	1	0	0	0	4
Mason	521	452	6	30	1	2	4	10	0	16	71
Okanogan	522	415	2	86	0	0	2	3	1	13	182
Pacific	215	184	4	14	0	0	0	11	0	2	37
Pend Oreille	124	110	0	7	0	1	0	2	1	3	2
Pierce	9,730	7,189	1,280	259	37	26	134	621	3	181	1,068
Lakewood	41	27	8	1	0	0	1	4	0	0	2
Puyallup	773	682	30	12	2	4	3	25	0	15	68
Tacoma	3,892	2,447	751	145	12	11	52	384	2	88	529
University Place	57	39	13	0	0	1	0	3	0	1	6
San Juan	113	105	1	3	0	0	1	3	0	0	6
Skagit	1,336	1,249	21	33	0	0	11	20	0	2	369
Mount Vernon	493	464	10	5	0	0	7	7	0	0	220
Skamania	91	88	2	0	0	0	0	1	0	0	4
Snohomish	8,110	6,749	290	165	34	43	126	444	7	252	617
Edmonds	490	394	19	8	3	4	9	23	0	30	32
Everett	1,993	1,603	122	33	9	6	39	127	4	50	202
Lynnwood	864	623	43	14	5	12	27	100	1	39	87
Marysville	510	428	9	28	1	1	8	23	2	10	33
Mountlake Terrace	289	211	22	6	1	2	9	24	0	14	31
Mukilteo	168	139	5	4	1	2	2	15	0	0	10
Spokane	5,530	4,891	271	159	11	13	27	141	1	16	277
Spokane (City)	3,186	2,757	193	105	7	7	14	93	1	9	175
Stevens	453	389	2	56	0	0	1	3	0	2	18
Thurston	2,422	1,875	110	69	10	1	29	139	1	188	208
Lacey	362	246	25	16	1	0	8	39	0	27	44
Olympia	713	534	35	20	2	1	8	54	1	58	66
Wahkiakum	39	38	0	0	0	0	1	0	0	0	1
Walla Walla	675	635	12	10	4	0	0	12	0	2	233
Walla Walla (City)	375	351	10	5	1	0	0	7	0	1	145
Whatcom	1,945	1,692	38	102	7	7	8	63	4	24	266
Bellingham	776	645	24	40	6	5	6	35	3	12	116
Whitman	392	336	16	3	2	11	0	20	4	0	16
Pullman	183	141	12	1	2	8	0	17	2	0	12
Yakima	4,189	3,837	65	234	5	5	10	27	1	5	2,574
Yakima (City)	1,440	1,334	39	42	1	2	3	17	0	2	824

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¹Persons of Hispanic Origin may be of any race. Child's race/ethnicity is determined from the race/ethnicity of the parents according to rules of the National Center for Health Statistics explained in Appendix A.

Table 13. Live Births by Month by Place of Residence, 1997

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
State Total	78,141	6,336	5,705	6,570	6,499	6,796	6,742	7,168	6,751	6,612	6,562	5,917	6,483
Adams	292	25	20	30	29	28	27	37	23	19	15	17	22
Asotin	284	22	13	28	22	20	23	29	24	34	28	21	20
Benton	2,025	169	156	191	183	181	155	160	178	173	174	151	154
Kennewick	932	83	78	78	81	80	68	79	86	70	80	81	68
Richland	421	32	36	41	38	44	28	36	34	35	39	30	28
Chelan	979	84	74	78	73	84	85	90	84	97	80	76	74
Wenatchee	553	49	43	43	42	38	46	46	54	61	49	45	37
Clallam	646	42	59	51	55	60	62	65	56	51	45	51	49
Port Angeles	234	18	18	9	13	26	20	23	22	21	19	25	20
Clark	4,947	411	374	422	389	460	456	401	464	404	390	368	408
Vancouver	2,325	153	151	153	178	246	232	205	234	192	198	173	210
Columbia	40	4	4	3	2	3	6	4	1	1	4	3	5
Cowlitz	1,173	103	93	98	94	100	93	103	90	103	99	92	105
Longview	486	37	36	41	36	36	45	55	27	45	44	37	47
Douglas	436	37	26	35	49	30	33	47	45	29	37	33	35
Ferry	75	6	0	9	8	12	7	6	5	5	5	6	6
Franklin	972	75	64	79	77	84	96	96	81	91	79	80	70
Pasco	689	47	44	59	59	61	62	70	64	64	58	53	48
Garfield	13	0	0	1	0	0	1	2	2	5	0	1	1
Grant	1,387	122	103	112	107	117	127	141	111	119	104	97	127
Grays Harbor	848	74	61	74	78	79	74	71	72	66	71	59	69
Aberdeen	265	20	17	20	20	28	26	24	30	24	26	12	18
Island	953	74	76	78	76	81	81	79	96	101	70	64	77
Oak Harbor	437	26	25	30	39	36	47	41	46	50	35	32	30
Jefferson	214	23	17	19	18	16	15	18	11	24	17	10	26
King	21,646	1,727	1,511	1,879	1,820	1,883	1,843	2,062	1,803	1,816	1,827	1,653	1,822
Auburn	833	65	73	61	73	79	63	72	72	50	81	63	81
Bellevue	1,319	101	91	96	104	103	119	128	124	96	125	108	124
Burien	177	11	11	17	13	5	9	15	22	17	23	16	18
Des Moines	316	18	20	37	22	28	30	26	34	29	28	21	23
Federal Way	1,241	106	81	98	97	102	100	122	107	107	104	107	110
Kent	1,594	141	115	148	155	137	129	141	131	142	108	105	142
Kirkland	798	47	55	63	59	70	67	71	99	78	68	46	75
Mercer Island	167	14	13	11	18	10	18	11	13	19	14	15	11
Redmond	821	70	48	79	71	64	66	76	63	63	80	65	76
Renton	1,038	83	61	102	90	79	90	104	87	86	76	81	99
Sea Tac	118	5	5	7	14	15	10	13	7	16	13	7	6
Seattle	6,926	571	509	609	570	649	590	650	550	586	562	538	542
Shoreline	214	17	16	17	9	14	18	19	28	18	20	18	20
Kitsap	3,252	280	224	298	256	281	271	274	288	282	279	251	268
Bainbridge Island	147	13	13	14	14	11	6	17	10	13	16	10	10
Bremerton	1,033	95	70	99	89	93	82	101	104	71	70	75	84

Table 13. Live Births by Month by Place of Residence, 1997

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Kittitas	307	17	21	31	27	33	21	33	24	23	37	16	24
Klickitat	236	16	22	18	13	21	22	17	26	20	25	16	20
Lewis	878	68	77	66	81	65	74	76	77	72	77	64	81
Lincoln	131	11	5	13	12	9	13	18	10	6	10	17	7
Mason	521	50	52	47	59	37	41	46	38	42	41	25	43
Okanogan	522	34	41	47	44	34	48	57	48	36	39	42	52
Pacific	215	20	22	14	13	20	23	18	17	17	15	19	17
Pend Oreille	124	12	8	9	12	6	10	12	12	13	11	4	15
Pierce	9,730	802	724	787	783	853	848	868	811	819	826	778	831
Lakewood	41	1	4	7	11	2	7	5	3	0	0	1	0
Puyallup	773	57	56	60	60	88	79	88	64	60	52	51	58
Tacoma	3,892	324	277	322	318	330	347	332	321	326	325	333	337
University Place	57	7	2	5	6	3	2	1	4	9	6	3	9
San Juan	113	8	5	6	8	9	13	10	15	11	8	8	12
Skagit	1,336	114	86	111	91	105	125	157	107	124	114	97	105
Mount Vernon	493	42	30	37	32	40	46	63	36	52	49	33	33
Skamania	91	4	7	6	4	10	7	7	11	15	5	7	8
Snohomish	8,110	645	604	651	715	700	709	719	715	668	725	602	657
Edmonds	490	49	38	31	45	43	42	49	34	34	49	27	49
Everett	1,993	167	149	167	158	171	171	182	149	185	172	160	162
Lynnwood	864	70	62	71	72	76	72	66	83	75	77	78	62
Marysville	510	43	37	49	42	53	40	52	48	36	46	23	41
Mountlake Terrace	289	19	25	23	28	20	27	23	17	23	28	23	33
Mukilteo	168	14	16	10	20	12	16	12	15	11	21	11	10
Spokane	5,530	419	392	466	474	488	485	497	472	462	486	440	449
Spokane (City)	3,186	249	225	276	268	285	285	293	276	258	280	256	235
Stevens	453	34	35	34	44	34	38	43	55	40	29	36	31
Thurston	2,422	201	192	201	198	209	218	225	213	202	191	180	192
Lacey	362	25	23	26	25	35	25	38	37	28	42	31	27
Olympia	713	50	65	67	54	60	76	65	56	49	55	55	61
Wahkiakum	39	8	4	2	4	1	1	3	4	1	2	5	4
Walla Walla	675	61	47	56	42	65	51	59	55	60	55	59	65
Walla Walla (City)	375	32	26	32	19	37	29	28	29	34	34	31	44
Whatcom	1,945	154	130	157	165	156	178	175	176	176	170	148	160
Bellingham	776	54	56	62	60	52	88	64	63	67	69	69	72
Whitman	392	28	23	39	30	49	35	37	27	34	18	32	40
Pullman	183	9	10	20	15	24	19	12	14	15	10	16	19
Yakima	4,189	352	333	324	344	373	327	406	404	351	354	289	332
Yakima (City)	1,440	131	98	117	129	119	98	141	157	116	122	95	117

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Table 14. Live Births by Birth Weight in Grams by Place of Residence, 1997

County and City	Total	Under 1000	1000- 1499	1500- 1999	2000- 2499	2500- 2999	3000- 3499	3500- 3999	4000- 4499	4500- Over	Unk
State Total	78,141	359	403	847	2,772	10,477	27,720	25,293	8,399	1,691	180
Adams	292	2	2	1	11	43	111	94	21	6	1
Asotin	284	2	2	3	7	44	88	97	32	9	0
Benton	2,025	10	12	19	73	254	751	643	212	51	0
Kennewick	932	5	5	8	33	119	345	306	91	20	0
Richland	421	2	2	3	15	52	169	129	38	11	0
Chelan	979	3	5	9	30	132	350	309	107	21	13
Wenatchee	553	2	2	2	15	70	217	164	63	10	8
Clallam	646	0	0	5	18	81	236	212	75	19	0
Port Angeles	234	0	0	1	10	30	90	79	19	5	0
Clark	4,947	21	17	48	131	603	1,737	1,688	567	135	0
Vancouver	2,325	2	1	6	51	274	841	795	300	55	0
Columbia	40	0	0	0	1	3	17	16	2	1	0
Cowlitz	1,173	5	4	14	46	151	396	391	137	28	1
Longview	486	1	2	1	10	62	165	175	59	11	0
Douglas	436	2	4	6	20	57	155	131	49	8	4
Ferry	75	0	0	1	3	12	31	23	2	3	0
Franklin	972	4	6	5	34	118	354	344	76	27	4
Pasco	689	2	5	4	26	85	250	242	53	19	3
Garfield	13	0	0	0	1	0	2	8	2	0	0
Grant	1,387	3	11	14	47	204	518	422	140	21	7
Grays Harbor	848	3	4	13	40	107	300	270	93	16	2
Aberdeen	265	0	2	4	7	38	100	83	27	4	0
Island	953	7	6	7	31	119	311	335	113	22	2
Oak Harbor	437	3	3	1	8	59	138	159	54	11	1
Jefferson	214	1	3	1	12	41	65	65	22	3	1
King	21,646	105	112	240	819	2,959	7,726	6,909	2,264	463	49
Auburn	833	5	5	6	32	102	298	277	87	19	2
Bellevue	1,319	5	9	23	50	175	460	415	149	31	2
Burien	177	0	1	1	4	27	76	46	17	5	0
Des Moines	316	2	2	1	13	42	120	95	33	8	0
Federal Way	1,241	9	2	15	43	200	455	365	116	35	1
Kent	1,594	2	4	12	61	225	591	483	178	36	2
Kirkland	798	2	1	5	28	92	267	306	84	11	2
Mercer Island	167	0	0	1	2	17	60	65	18	4	0
Redmond	821	2	4	9	23	94	299	276	90	24	0
Renton	1,038	3	6	12	37	147	377	338	101	17	0
Sea Tac	118	2	0	0	6	11	44	37	12	6	0
Seattle	6,926	27	32	98	276	1,047	2,479	2,142	668	127	30
Shoreline	214	0	1	1	6	27	73	78	23	4	1
Kitsap	3,252	14	19	42	103	409	1,110	1,049	394	101	11
Bainbridge Island	147	0	2	3	5	19	43	49	21	4	1
Bremerton	1,033	6	6	12	34	150	369	297	114	40	5

Table 14. Live Births by Birth Weight in Grams by Place of Residence, 1997

County and City	Total	Under 1000	1000- 1499	1500- 1999	2000- 2499	2500- 2999	3000- 3499	3500- 3999	4000- 4499	4500- Over	Unk
Kittitas	307	1	3	2	11	33	122	90	38	6	1
Klickitat	236	1	1	1	8	28	95	78	20	4	0
Lewis	878	5	3	8	36	101	339	273	98	15	0
Lincoln	131	1	0	2	10	23	37	43	12	3	0
Mason	521	3	2	3	13	73	165	176	71	15	0
Okanogan	522	1	3	3	19	68	181	175	59	5	8
Pacific	215	1	1	4	4	27	77	68	29	4	0
Pend Oreille	124	1	0	2	5	17	56	27	15	1	0
Pierce	9,730	49	65	127	368	1,394	3,345	3,097	1,050	209	26
Lakewood	41	0	0	1	2	8	10	15	4	1	0
Puyallup	773	5	4	6	31	92	278	248	91	16	2
Tacoma	3,892	19	35	60	172	608	1,369	1,157	400	63	9
University Place	57	0	0	1	1	6	19	22	7	1	0
San Juan	113	0	0	0	4	8	39	44	13	5	0
Skagit	1,336	8	6	14	37	168	493	430	158	21	1
Mount Vernon	493	3	1	7	12	65	181	160	60	4	0
Skamania	91	0	1	1	2	12	31	29	15	0	0
Snohomish	8,110	36	37	86	295	1,052	2,812	2,646	964	169	13
Edmonds	490	2	1	3	15	53	179	161	64	7	5
Everett	1,993	10	8	26	68	273	683	647	241	34	3
Lynnwood	864	2	8	11	39	123	285	283	96	16	1
Marysville	510	3	0	9	24	66	182	149	61	16	0
Mountlake Terrace	289	2	0	5	8	43	102	89	33	6	1
Mukilteo	168	0	0	1	5	25	55	56	22	4	0
Spokane	5,530	31	25	66	195	761	2,055	1,772	539	79	7
Spokane (City)	3,186	17	13	50	136	445	1,145	1,041	297	38	4
Stevens	453	3	1	6	17	47	180	141	44	14	0
Thurston	2,422	8	10	23	82	308	864	811	258	55	3
Lacey	362	1	2	4	9	50	132	120	37	7	0
Olympia	713	1	3	13	25	90	280	219	68	14	0
Wahkiakum	39	0	0	0	3	5	12	17	1	1	0
Walla Walla	675	1	6	5	18	75	236	230	88	16	0
Walla Walla (City)	375	1	2	2	11	41	131	130	47	10	0
Whatcom	1,945	9	7	16	62	194	619	733	241	61	3
Bellingham	776	5	7	9	27	84	268	258	91	25	2
Whitman	392	2	1	2	6	46	150	127	50	8	0
Pullman	183	0	0	1	2	21	80	56	21	2	0
Yakima	4,189	16	24	48	150	700	1,554	1,280	328	66	23
Yakima (City)	1,440	4	11	19	56	259	560	421	93	16	1

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Table 15. Live Births by Month Prenatal Care Began by Place of Residence, 1997

County and City	Total	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth+	No Care	Unk
State Total	78,141	16,670	27,568	14,902	5,233	2,679	1,519	914	590	349	532	7,185
Adams	292	12	112	77	37	21	12	7	3	3	2	6
Asotin	284	28	87	103	29	15	6	5	0	2	6	3
Benton	2,025	320	713	458	232	99	69	30	24	11	9	60
Kennewick	932	122	310	218	121	55	41	11	11	11	4	28
Richland	421	86	163	90	38	15	10	7	3	0	1	8
Chelan	979	97	334	349	87	34	33	13	3	5	9	15
Wenatchee	553	59	223	154	55	24	16	6	3	1	4	8
Clallam	646	72	276	153	50	36	6	5	3	0	3	42
Port Angeles	234	30	101	40	20	20	3	1	2	0	1	16
Clark	4,947	824	2,011	1,211	384	197	148	81	46	5	28	12
Vancouver	2,325	452	793	595	211	113	84	38	22	1	12	4
Columbia	40	4	15	10	5	2	1	3	0	0	0	0
Cowlitz	1,173	42	451	376	157	55	33	29	14	1	11	4
Longview	486	10	181	149	78	28	15	13	4	0	6	2
Douglas	436	38	177	122	46	24	10	5	6	1	2	5
Ferry	75	16	23	14	7	5	3	2	0	0	1	4
Franklin	972	66	283	229	136	90	55	33	26	7	9	38
Pasco	689	40	189	165	100	70	44	21	21	6	7	26
Garfield	13	0	6	3	2	1	0	1	0	0	0	0
Grant	1,387	106	487	361	164	98	57	39	18	8	12	37
Grays Harbor	848	237	254	161	40	21	17	13	6	4	15	80
Aberdeen	265	78	80	52	12	8	8	3	4	2	4	14
Island	953	138	429	206	74	30	11	4	3	3	4	51
Oak Harbor	437	36	202	105	44	10	5	3	1	2	1	28
Jefferson	214	35	114	34	10	7	2	1	0	1	3	7
King	21,646	5,283	7,410	3,109	946	496	283	161	97	92	149	3,620
Auburn	833	205	243	128	49	25	17	8	6	1	7	144
Bellevue	1,319	269	549	232	69	25	16	6	10	5	10	128
Burien	177	53	59	10	13	1	0	0	0	2	2	37
Des Moines	316	75	94	46	17	5	1	2	2	4	0	70
Federal Way	1,241	213	395	208	94	52	24	18	9	6	13	209
Kent	1,594	378	431	194	68	38	15	4	5	9	7	445
Kirkland	798	253	276	112	25	9	10	4	5	2	7	95
Mercer Island	167	55	58	22	2	0	1	0	0	0	0	29
Redmond	821	241	352	119	26	8	7	3	6	1	4	54
Renton	1,038	242	294	145	40	20	12	5	4	6	16	254
Sea Tac	118	27	29	13	7	0	1	1	0	1	2	37
Seattle	6,926	1,580	2,471	994	303	183	98	62	30	27	36	1,142
Shoreline	214	74	54	23	5	3	2	1	0	2	1	49
Kitsap	3,252	470	1,080	996	299	133	77	35	25	8	20	109
Bainbridge Island	147	47	63	22	3	2	0	0	0	0	2	8
Bremerton	1,033	98	325	363	110	43	35	15	9	2	8	25

Table 15. Live Births by Month Prenatal Care Began by Place of Residence, 1997

County and City	Total	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth+	No Care	Unk
Kittitas	307	91	122	60	17	5	2	0	1	0	0	9
Klickitat	236	35	96	60	17	6	5	4	4	2	4	3
Lewis	878	254	293	139	56	24	16	5	8	1	7	75
Lincoln	131	32	56	23	6	3	1	0	1	0	1	8
Mason	521	91	214	104	39	22	12	6	0	2	3	28
Okanogan	522	26	224	118	48	31	16	14	9	2	8	26
Pacific	215	24	90	51	17	14	2	3	2	1	1	10
Pend Oreille	124	37	31	21	16	10	5	2	0	1	0	1
Pierce	9,730	1,312	3,413	2,131	724	372	227	117	87	91	58	1,198
Lakewood	41	5	15	11	2	2	3	0	0	0	0	3
Puyallup	773	100	285	183	61	27	12	6	5	6	5	83
Tacoma	3,892	619	1,192	742	301	174	105	48	34	43	28	606
University Place	57	6	22	11	3	0	0	0	0	2	0	13
San Juan	113	17	34	33	11	4	3	0	1	0	0	10
Skagit	1,336	90	535	355	124	68	38	28	16	3	4	75
Mount Vernon	493	18	197	131	66	24	18	14	7	0	0	18
Skamania	91	15	46	13	10	3	0	1	2	0	0	1
Snohomish	8,110	2,770	2,900	1,069	405	195	66	66	43	17	45	534
Edmonds	490	184	158	50	21	10	0	4	1	0	0	62
Everett	1,993	709	713	275	104	56	16	16	11	4	10	79
Lynnwood	864	252	286	142	40	24	8	8	6	6	7	85
Marysville	510	206	175	60	22	16	4	2	4	0	5	16
Mountlake Terrace	289	83	106	37	18	9	3	2	0	0	4	27
Mukilteo	168	66	59	22	8	1	2	0	1	0	1	8
Spokane	5,530	2,081	1,907	663	235	137	71	56	44	32	33	271
Spokane (City)	3,186	1,223	1,080	371	139	76	44	37	24	14	23	155
Stevens	453	126	170	71	32	14	14	9	2	3	3	9
Thurston	2,422	674	746	303	116	55	21	14	17	14	20	442
Lacey	362	100	104	39	21	9	0	3	3	4	1	78
Olympia	713	228	201	82	24	15	6	3	5	1	5	143
Wahkiakum	39	1	19	11	2	4	0	2	0	0	0	0
Walla Walla	675	78	264	162	71	42	26	11	9	3	3	6
Walla Walla (City)	375	41	151	94	35	23	12	9	6	2	1	1
Whatcom	1,945	14	613	706	252	107	50	24	21	7	11	140
Bellingham	776	6	252	265	111	36	28	4	7	3	3	61
Whitman	392	59	188	87	33	6	5	3	3	1	3	4
Pullman	183	24	91	46	15	3	2	0	1	1	0	0
Yakima	4,189	1,055	1,345	750	297	193	116	82	46	18	45	242
Yakima (City)	1,440	450	541	203	72	49	28	17	13	4	5	58

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Table 16. Live Births with Malformations by Place of Residence, 1997

County and City	Total Births	Births with Malformations	Percent of Total Births ¹	Total Malformations ²
State Total	78,141	1,974	2.5	2,270
Adams	292	6	2.1	6
Asotin	284	9	3.2	12
Benton	2,025	91	4.5	111
Kennewick	932	37	4.0	46
Richland	421	26	6.2	30
Chelan	979	7	0.7	13
Wenatchee	553	1	0.2	6
Clallam	646	15	2.3	19
Port Angeles	234	5	2.1	6
Clark	4,947	60	1.2	70
Vancouver	2,325	22	0.9	24
Columbia	40	2	5.0	3
Cowlitz	1,173	15	1.3	17
Longview	486	6	1.2	6
Douglas	436	6	1.4	8
Ferry	75	0	0.0	0
Franklin	972	34	3.5	36
Pasco	689	20	2.9	22
Garfield	13	0	0.0	0
Grant	1,387	25	1.8	28
Grays Harbor	848	13	1.5	16
Aberdeen	265	6	2.3	6
Island	953	18	1.9	22
Oak Harbor	437	3	0.7	4
Jefferson	214	13	6.1	13
King	21,646	521	2.4	581
Auburn	833	28	3.4	31
Bellevue	1,319	52	3.9	58
Burien	177	0	0.0	0
Des Moines	316	10	3.2	12
Federal Way	1,241	79	6.4	90
Kent	1,594	31	1.9	32
Kirkland	798	16	2.0	17
Mercer Island	167	5	3.0	5
Redmond	821	30	3.7	39
Renton	1,038	31	3.0	35
Sea Tac	118	2	1.7	2
Seattle	6,926	75	1.1	80
Shoreline	214	7	3.3	7
Kitsap	3,252	151	4.6	172
Bainbridge Island	147	1	0.7	1
Bremerton	1,033	52	5.0	58

Table 16. Live Births with Malformations by Place of Residence, 1997

County and City	Total Births	Births with Malformations	Percent of Total Births ¹	Total Malformations ²
Kittitas	307	6	2.0	7
Klickitat	236	1	0.4	2
Lewis	878	3	0.3	3
Lincoln	131	1	0.8	2
Mason	521	10	1.9	11
Okanogan	522	10	1.9	13
Pacific	215	5	2.3	7
Pend Oreille	124	2	1.6	2
Pierce	9,730	414	4.3	507
Lakewood	41	7	17.1	11
Puyallup	773	37	4.8	45
Tacoma	3,892	182	4.7	221
University Place	57	3	5.3	3
San Juan	113	0	0.0	0
Skagit	1,336	24	1.8	25
Mount Vernon	493	6	1.2	7
Skamania	91	1	1.1	1
Snohomish	8,110	252	3.1	276
Edmonds	490	11	2.2	13
Everett	1,993	96	4.8	103
Lynnwood	864	23	2.7	27
Marysville	510	17	3.3	18
Mountlake Terrace	289	5	1.7	6
Mukilteo	168	8	4.8	8
Spokane	5,530	108	2.0	115
Spokane (City)	3,186	57	1.8	60
Stevens	453	6	1.3	6
Thurston	2,422	30	1.2	37
Lacey	362	2	0.6	3
Olympia	713	5	0.7	5
Wahkiakum	39	1	2.6	1
Walla Walla	675	34	5.0	38
Walla Walla (City)	375	19	5.1	22
Whatcom	1,945	44	2.3	50
Bellingham	776	15	1.9	17
Whitman	392	11	2.8	11
Pullman	183	7	3.8	7
Yakima	4,189	25	0.6	29
Yakima (City)	1,440	7	0.5	8

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

²Individual births may have more than one malformation.

Table 17. Live Births by Maternal Smoking During Pregnancy by Place of Residence, 1997

County and City	Total Births	Maternal Smoking		No Maternal Smoking		Unknown	
		Number	Percent	Number	Percent	Number	Percent
State Total	78,141	10,890	13.9	63,870	81.7	3,381	4.3
Adams	292	16	5.5	274	93.8	2	0.7
Asotin	284	84	29.6	199	70.1	1	0.4
Benton	2,025	269	13.3	1,751	86.5	5	0.2
Kennewick	932	143	15.3	788	84.5	1	0.1
Richland	421	58	13.8	362	86.0	1	0.2
Chelan	979	16	1.6	961	98.2	2	0.2
Wenatchee	553	6	1.1	546	98.7	1	0.2
Clallam	646	190	29.4	433	67.0	23	3.6
Port Angeles	234	87	37.2	141	60.3	6	2.6
Clark	4,947	952	19.2	3,994	80.7	1	0.0
Vancouver	2,325	500	21.5	1,825	78.5	0	0.0
Columbia	40	16	40.0	23	57.5	1	2.5
Cowlitz	1,173	270	23.0	897	76.5	6	0.5
Longview	486	116	23.9	367	75.5	3	0.6
Douglas	436	16	3.7	419	96.1	1	0.2
Ferry	75	23	30.7	52	69.3	0	0.0
Franklin	972	61	6.3	907	93.3	4	0.4
Pasco	689	50	7.3	637	92.5	2	0.3
Garfield	13	1	7.7	12	92.3	0	0.0
Grant	1,387	158	11.4	1,219	87.9	10	0.7
Grays Harbor	848	210	24.8	608	71.7	30	3.5
Aberdeen	265	76	28.7	185	69.8	4	1.5
Island	953	144	15.1	795	83.4	14	1.5
Oak Harbor	437	70	16.0	365	83.5	2	0.5
Jefferson	214	44	20.6	167	78.0	3	1.4
King	21,646	2,009	9.3	18,605	86.0	1,032	4.8
Auburn	833	176	21.1	636	76.4	21	2.5
Bellevue	1,319	92	7.0	1,190	90.2	37	2.8
Burien	177	25	14.1	151	85.3	1	0.6
Des Moines	316	37	11.7	267	84.5	12	3.8
Federal Way	1,241	150	12.1	1,031	83.1	60	4.8
Kent	1,594	170	10.7	1,382	86.7	42	2.6
Kirkland	798	55	6.9	703	88.1	40	5.0
Mercer Island	167	4	2.4	151	90.4	12	7.2
Redmond	821	45	5.5	749	91.2	27	3.3
Renton	1,038	111	10.7	895	86.2	32	3.1
Sea Tac	118	12	10.2	99	83.9	7	5.9
Seattle	6,926	532	7.7	5,963	86.1	431	6.2
Shoreline	214	18	8.4	159	74.3	37	17.3
Kitsap	3,252	577	17.7	2,620	80.6	55	1.7
Bainbridge Island	147	6	4.1	131	89.1	10	6.8
Bremerton	1,033	225	21.8	792	76.7	16	1.5

Table 17. Live Births by Maternal Smoking During Pregnancy by Place of Residence, 1997

County and City	Total Births	Maternal Smoking		No Maternal Smoking		Unknown	
		Number	Percent	Number	Percent	Number	Percent
Kittitas	307	53	17.3	251	81.8	3	1.0
Klickitat	236	66	28.0	170	72.0	0	0.0
Lewis	878	195	22.2	665	75.7	18	2.1
Lincoln	131	28	21.4	102	77.9	1	0.8
Mason	521	117	22.5	394	75.6	10	1.9
Okanogan	522	74	14.2	439	84.1	9	1.7
Pacific	215	67	31.2	145	67.4	3	1.4
Pend Oreille	124	38	30.6	86	69.4	0	0.0
Pierce	9,730	1,539	15.8	7,659	78.7	532	5.5
Lakewood	41	6	14.6	33	80.5	2	4.9
Puyallup	773	119	15.4	618	79.9	36	4.7
Tacoma	3,892	740	19.0	2,848	73.2	304	7.8
University Place	57	3	5.3	50	87.7	4	7.0
San Juan	113	14	12.4	96	85.0	3	2.7
Skagit	1,336	184	13.8	1,095	82.0	57	4.3
Mount Vernon	493	54	11.0	424	86.0	15	3.0
Skamania	91	19	20.9	72	79.1	0	0.0
Snohomish	8,110	1,134	14.0	6,731	83.0	245	3.0
Edmonds	490	51	10.4	404	82.4	35	7.1
Everett	1,993	338	17.0	1,622	81.4	33	1.7
Lynnwood	864	123	14.2	700	81.0	41	4.7
Marysville	510	80	15.7	423	82.9	7	1.4
Mountlake Terrace	289	43	14.9	230	79.6	16	5.5
Mukilteo	168	17	10.1	148	88.1	3	1.8
Spokane	5,530	1,126	20.4	4,346	78.6	58	1.0
Spokane (City)	3,186	724	22.7	2,426	76.1	36	1.1
Stevens	453	95	21.0	356	78.6	2	0.4
Thurston	2,422	365	15.1	1,900	78.4	157	6.5
Lacey	362	60	16.6	274	75.7	28	7.7
Olympia	713	109	15.3	556	78.0	48	6.7
Wahkiakum	39	8	20.5	31	79.5	0	0.0
Walla Walla	675	98	14.5	576	85.3	1	0.1
Walla Walla (City)	375	61	16.3	314	83.7	0	0.0
Whatcom	1,945	116	6.0	796	40.9	1,033	53.1
Bellingham	776	52	6.7	327	42.1	397	51.2
Whitman	392	31	7.9	360	91.8	1	0.3
Pullman	183	3	1.6	179	97.8	1	0.5
Yakima	4,189	467	11.1	3,664	87.5	58	1.4
Yakima (City)	1,440	210	14.6	1,214	84.3	16	1.1

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Table 18. Live Births by Institutions by Place of Occurrence, 1997

County and City	Total	Hospital	Birth Center	Federal Facility	Home	Born On Arrival	Other and Not Stated
State Total	77,161	72,456	319	3,283	1,004	49	50
Adams	367	364	0	0	3	0	0
Asotin	1	0	0	0	1	0	0
Benton	2,745	2,730	0	0	13	2	0
Kennewick	994	987	0	0	7	0	0
Richland	1,347	1,346	0	0	1	0	0
Chelan	1,412	1,385	18	0	9	0	0
Wenatchee	1,292	1,271	18	0	3	0	0
Clallam	648	638	0	0	9	0	1
Port Angeles	619	615	0	0	3	0	1
Clark	3,897	3,843	0	0	47	5	2
Vancouver	3,873	3,843	0	0	25	5	0
Columbia	0	0	0	0	0	0	0
Cowlitz	1,236	1,229	0	0	7	0	0
Longview	1,229	1,229	0	0	0	0	0
Douglas	5	0	0	0	5	0	0
Ferry	8	7	0	0	1	0	0
Franklin	583	574	0	0	6	2	1
Pasco	579	574	0	0	3	2	0
Garfield	0	0	0	0	0	0	0
Grant	1,080	1,077	0	0	3	0	0
Grays Harbor	529	523	0	0	3	2	1
Aberdeen	527	523	0	0	1	2	1
Island	682	224	21	421	16	0	0
Oak Harbor	427	0	0	421	6	0	0
Jefferson	152	141	0	0	11	0	0
King	25,143	24,695	138	0	288	17	5
Auburn	699	685	0	0	14	0	0
Bellevue	3,078	3,067	0	0	11	0	0
Burien	793	791	0	0	2	0	0
Des Moines	5	0	0	0	5	0	0
Federal Way	1,800	1,781	0	0	18	1	0
Kent	9	0	0	0	9	0	0
Kirkland	3,030	2,925	96	0	7	1	1
Mercer Island	3	0	0	0	3	0	0
Redmond	966	955	0	0	10	1	0
Renton	3,009	2,996	0	0	8	5	0
Sea Tac	4	0	0	0	4	0	0
Seattle	11,408	11,215	40	0	141	9	3
Shoreline	4	0	0	0	4	0	0
Kitsap	2,654	1,657	0	940	54	3	0
Bainbridge Island	6	0	0	0	6	0	0
Bremerton	2,618	1,657	0	940	18	3	0

Table 18. Live Births by Institutions by Place of Occurrence, 1997

County and City	Total	Hospital	Birth Center	Federal Facility	Home	Born On Arrival	Other and Not Stated
Kittitas	269	265	0	0	4	0	0
Klickitat	169	168	0	0	1	0	0
Lewis	691	640	0	0	43	0	8
Lincoln	36	35	0	0	0	0	1
Mason	242	237	0	0	5	0	0
Okanogan	552	546	0	0	6	0	0
Pacific	107	93	0	0	6	0	8
Pend Oreille	62	61	0	0	0	1	0
Pierce	10,157	8,020	72	1,922	129	3	11
Lakewood	1	0	0	0	1	0	0
Puyallup	1,379	1,366	0	0	12	1	0
Tacoma	8,637	6,654	1	1,921	59	2	0
University Place	1	0	0	0	1	0	0
San Juan	8	0	0	0	5	0	3
Skagit	1,521	1,494	1	0	24	1	1
Mount Vernon	1,250	1,243	0	0	6	1	0
Skamania	5	0	0	0	5	0	0
Snohomish	5,755	5,589	69	0	93	1	3
Edmonds	1,625	1,621	2	0	2	0	0
Everett	3,240	3,198	0	0	39	1	2
Lynnwood	13	0	4	0	9	0	0
Marysville	5	0	0	0	5	0	0
Mountlake Terrace	1	0	0	0	1	0	0
Mukilteo	5	0	0	0	5	0	0
Spokane	6,313	6,246	0	0	60	2	5
Spokane (City)	6,264	6,216	0	0	41	2	5
Stevens	320	302	0	0	17	1	0
Thurston	2,663	2,604	0	0	58	1	0
Lacey	5	0	0	0	5	0	0
Olympia	2,642	2,604	0	0	37	1	0
Wahkiakum	0	0	0	0	0	0	0
Walla Walla	851	840	0	0	10	1	0
Walla Walla (City)	843	840	0	0	2	1	0
Whatcom	1,913	1,864	0	0	46	3	0
Bellingham	1,897	1,864	0	0	30	3	0
Whitman	340	335	0	0	5	0	0
Pullman	275	273	0	0	2	0	0
Yakima	4,045	4,030	0	0	11	4	0
Yakima (City)	2,846	2,840	0	0	3	3	0

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Table 19. Live Births, County of Residence by County of Occurrence, 1997

County of Residence ²	County of Occurrence ¹															
	King	Pierce	Spokane	Snohomish	Yakima	Clark	Benton	Thurston	Kitsap	Whatcom	Skagit	Chelan	Cowlitz	Grant	Walla Walla	
King	20,771	577	1	220	4	0	2	10	3	2	2	1	2	1	1	
Pierce	1,007	8,611	0	2	1	1	0	61	26	1	1	0	0	1	0	
Snohomish	2,642	8	1	5,377	0	0	1	1	3	8	55	0	0	0	0	
Spokane	4	3	5,481	0	1	0	3	0	0	2	0	0	0	1	1	
Clark	3	4	0	2	0	3,720	0	2	0	0	0	0	22	0	0	
Yakima	13	0	1	0	3,897	0	270	1	0	1	0	0	0	0	0	
Kitsap	303	423	2	8	0	0	0	3	2,499	1	0	0	0	0	0	
Thurston	31	367	3	1	0	1	0	1,960	1	0	0	0	1	1	0	
Benton	1	0	4	0	44	0	1,858	0	0	0	0	0	0	0	3	
Whatcom	51	0	0	2	0	0	0	0	0	1,865	23	0	0	0	0	
Grant	5	2	50	0	57	0	17	0	1	0	0	109	0	982	0	
Skagit	35	2	0	32	0	0	0	0	0	21	1,225	0	0	0	0	
Cowlitz	1	0	0	0	0	83	0	2	0	0	0	0	1,016	0	0	
Chelan	24	0	8	0	1	0	0	0	0	0	0	935	0	1	0	
Franklin	1	0	10	0	0	0	482	0	0	0	0	0	0	4	1	
Island	47	31	1	97	1	1	0	0	2	2	115	0	0	0	0	
Lewis	3	23	0	0	2	1	0	191	0	0	0	0	35	0	0	
Grays Harbor	17	20	0	0	0	0	1	260	0	0	0	0	1	0	0	
Walla Walla	1	0	6	0	0	0	49	0	0	0	0	0	0	0	589	
Clallam	17	2	0	0	0	0	0	0	2	0	0	0	0	0	0	
Okanogan	3	0	23	2	0	0	0	1	0	0	0	11	0	14	0	
Mason	9	35	0	0	0	0	0	147	93	0	0	0	0	0	0	
Stevens	1	0	173	0	0	0	1	0	0	0	0	1	0	0	0	
Douglas	10	0	2	0	0	0	0	0	0	0	1	352	0	1	0	
Whitman	0	1	42	0	0	1	0	0	0	0	0	0	0	0	0	
Kittitas	22	0	0	0	20	0	2	0	0	0	0	1	0	1	0	
Adams	0	0	34	0	1	0	11	0	0	0	0	0	0	60	0	
Asotin	1	0	6	0	0	0	0	0	0	0	0	0	0	0	0	
Klickitat	0	1	0	0	12	0	0	0	0	0	0	0	0	0	0	
Pacific	4	5	0	2	0	1	0	16	0	1	0	0	4	0	0	
Jefferson	17	4	0	1	0	0	0	0	20	1	0	1	0	0	0	
Lincoln	0	1	89	0	0	0	0	0	0	0	0	0	0	10	0	
Pend Oreille	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	
San Juan	5	1	0	1	0	0	0	0	0	2	94	0	0	0	0	
Skamania	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	
Ferry	0	1	17	0	0	0	0	0	0	0	0	0	0	3	0	
Columbia	0	0	1	0	0	0	0	0	0	0	0	0	0	0	38	
Wahkiakum	0	0	0	0	0	0	0	1	0	0	0	0	28	0	0	
Garfield	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Out of State	94	35	289	8	4	67	48	7	4	6	5	1	127	0	217	
Total	25,143	10,157	6,313	5,755	4,045	3,897	2,745	2,663	2,654	1,913	1,521	1,412	1,236	1,080	851	
Cumulative Percent ³	32.6	45.7	53.9	61.4	66.6	71.7	75.2	78.7	82.1	84.6	86.6	88.4	90.0	91.4	92.5	

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 eight: Asotin (1), Columbia (0), Douglas (5), Garfield (0), Skamania (5), Wahkiakum (0).

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

³The cumulative percents show that of all births occurring in Washington State, 32.6 percent occurred in King County alone, 45.7 percent occurred in King and Pierce Counties, and so on.

Table 19. Live Births, County of Residence by County of Occurrence, 1997

	County of Occurrence																	Residence Total		
	Lewis	Island	Clallam	Franklin	Okanogan	Grays Harbor	Adams	Whitman	Stevens	Kititas	Mason	Klickitat	Jefferson	Pacific	Pend Oreille	Lincoln	Ferry		San Juan	Out-of-State
2	4	2	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	39	21,646
1	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	13	9,730
0	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	10	8,110
0	0	0	0	0	0	0	0	5	0	0	0	0	0	1	0	0	0	0	28	5,530
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,193	4,947
0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	5	4,189
0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	8	3,252
46	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	7	2,422
0	0	0	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2,025
0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	1,945
0	0	0	2	3	0	147	0	0	5	0	0	0	0	0	3	0	0	0	4	1,387
0	17	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	1,336
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	1,173
0	0	0	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	979
0	0	0	438	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	1	972
0	652	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	953
612	0	0	0	0	2	0	0	0	0	0	0	0	6	0	0	0	0	0	3	878
14	0	0	0	0	503	0	0	0	0	3	0	0	28	0	0	0	0	0	1	848
0	0	0	26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	675
0	0	620	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	2	646
0	0	0	0	464	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	522
0	0	0	0	0	0	0	1	270	0	0	0	0	1	0	0	0	0	0	1	521
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	453
0	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	436
0	0	0	0	0	0	0	307	0	0	0	0	0	0	0	0	0	0	0	41	392
0	0	0	0	0	0	0	0	0	259	0	0	0	0	0	0	0	0	0	2	307
0	0	0	2	0	0	184	0	0	0	0	0	0	0	0	0	0	0	0	0	292
0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	274	284
0	0	0	0	0	0	0	0	0	0	0	137	0	0	0	0	0	0	0	86	236
5	0	1	0	0	21	0	0	0	0	0	0	0	72	0	0	0	0	0	83	215
0	0	21	0	0	2	0	0	0	0	0	0	146	0	0	0	0	0	0	1	214
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	1	131
0	0	0	0	0	0	0	0	7	0	0	0	0	0	47	0	0	0	0	1	124
0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	113
0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	43	91
0	0	0	0	7	0	0	0	37	0	0	0	0	0	0	0	8	0	0	2	75
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	40
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	39
0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	11	13
2	2	0	4	2	0	1	27	0	2	1	10	0	0	12	0	0	0	0	0	975
691	682	648	583	552	529	367	340	320	269	242	169	152	107	62	36	8	8	1,955		
93.4	94.3	95.1	95.9	96.6	97.3	97.8	98.2	98.6	99.0	99.3	99.5	99.7	99.8	99.9	100	100	100			

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



Mortality





Table 20. Deaths by Selected Topics, 1997

A. Residence, Race/Ethnicity by Sex

Race/Ethnicity	Total	Male	Female
State Total	41,429	20,913	20,516
White	39,015	19,551	19,464
African American	992	582	410
Native American	501	261	240
Japanese	158	70	88
Chinese	161	83	78
Filipino	210	138	72
Other Asian	364	208	156
Other	1	0	1
Unknown	27	20	7
Hispanic ¹	649	415	234

B. Residence, Infant Deaths by Race/Ethnicity

Race/Ethnicity	Number
State Total	440
White	359
African American	47
Native American	14
Japanese	0
Chinese	0
Filipino	3
Other Asian	15
Other	0
Unknown	2
Hispanic ¹	57

C. Residence, Age Group by Sex

Age Group	Total	Male	Female
State Total	41,429	20,913	20,516
Under 1	440	251	189
1 - 4	110	54	56
5 - 14	149	84	65
15 - 19	265	179	86
20 - 24	313	233	80
25 - 34	802	578	224
35 - 44	1,621	1,042	579
45 - 54	2,571	1,564	1,007
55 - 64	3,855	2,300	1,555
65 - 74	7,867	4,472	3,395
75 - 84	12,430	6,303	6,127
85 - 94	9,294	3,482	5,812
95 and Over	1,709	368	1,341
Unknown	3	3	0

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D. Residence, Life Expectancy by Age and Sex

Age Group	Total	Male	Female
0-1	78.0	75.4	80.6
1-5	77.4	74.8	80.0
5-10	73.5	70.9	76.1
10-15	68.6	66.0	71.1
15-20	63.7	61.1	66.2
20-25	58.9	56.3	61.3
25-30	54.1	51.7	56.5
30-35	49.4	47.0	51.6
35-40	44.6	42.3	46.7
40-45	39.9	37.7	41.9
45-50	35.3	33.1	37.2
50-55	30.7	28.6	32.6
55-60	26.3	24.3	28.1
60-65	22.2	20.3	23.9
65-70	18.3	16.5	19.8
70-75	14.8	13.2	16.1
75-80	11.6	10.2	12.7
80-85	8.9	7.7	9.7
85 and Over	6.8	5.8	7.3

DEAA01P2

¹Persons of Hispanic Origin may be of any race. See Appendix A, "Hispanic Origin."

Table 20. Deaths by Selected Topics, 1997

E. Residence, Leading Causes of Death

Rank	Causes of Death	International List Numbers	Number	Percent ¹
	All Causes		41,429	100.0
1	Diseases of the Heart	390-398,402,404-429	11,108	26.8
2	Malignant Neoplasms	140-208	10,065	24.3
3	Cerebrovascular Diseases	430-438	3,375	8.1
4	Chronic Obstructive Pulm. Dis.	490-496	2,347	5.7
5	Accidents & Adverse Effects	E800-E949	1,902	4.6
6	Pneumonia and Influenza	480-487	1,646	4.0
7	Diabetes Mellitus	250	1,110	2.7
8	Suicide	E950-E959	728	1.8
9	Alzheimer's Disease	331.0	571	1.4
10	Chronic Liver Dis. & Cirrhosis	571	511	1.2
	All Other Causes		8,066	19.5

F. Residence, Leading Causes of Death, Infant Mortality

Rank	Causes of Death	International List Numbers	Number	Percent ¹
	Infant Causes		440	100.0
1	Congenital Anomalies	740-759	117	26.6
2	Sudden Infant Death Syndrome	7980	84	19.1
3	Short Gestation	765	36	8.2
4	Complications of Placenta	762	16	3.6
5	Respiratory Distress Syndrome	769	16	3.6
6	Maternal Complications	761	13	3.0
7	Accidents & Adverse Effects	E800-E949	12	2.7
8	Hypoxia & Birth Asphyxia	768	12	2.7
9	Perinatal Infections	771	9	2.0
10	Homicide	E960-E969	6	1.4
	All Other Causes		119	27

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

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Table 20. Deaths by Selected Topics, 1997

G. Residence and Occurrence, Month of Death

Month	Residence	Occurrence
State Total	41,429	41,598
January	4,093	4,079
February	3,335	3,318
March	3,673	3,670
April	3,422	3,433
May	3,437	3,443
June	3,119	3,136
July	3,314	3,334
August	3,258	3,289
September	3,164	3,194
October	3,481	3,509
November	3,446	3,472
December	3,687	3,721

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H. Residence, Marital Status by Sex

Marital Status	Total	Male	Female
State Total	41,429	20,913	20,516
Single	3,908	2,543	1,365
Married	17,206	11,757	5,449
Divorced	5,237	2,791	2,446
Widowed	14,968	3,738	11,230
Unknown	110	84	26

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I. Occurrence, Type of Place

Type of Place	Number
State Total	41,598
General Hospital	14,041
Nursing Home	12,875
Home	11,384
Federal Facility	616
Psychiatric Hospital	31
Dead on Arrival	37
State Facility	2
Other and Unknown	2,612

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Table 21. Deaths to Residents by Leading Causes and Age Group by Sex, 1997

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	41,429	738.9	100.0	20,913	749.5	100.0	20,516	728.5	100.0
Diseases of Heart (390-398,402,404-429)	11,108	198.1	26.8	5,815	208.4	27.8	5,293	187.9	25.8
Malignant Neoplasms (140-208)	10,065	179.5	24.3	5,143	184.3	24.6	4,922	174.8	24.0
Cerebrovascular Diseases (430-438)	3,375	60.2	8.1	1,355	48.6	6.5	2,020	71.7	9.8
Chronic Obstructive Pulmonary Diseases (490-496)	2,347	41.9	5.7	1,183	42.4	5.7	1,164	41.3	5.7
Accidents & Adverse Effects (E800-E949)	1,902	33.9	4.6	1,218	43.6	5.8	684	24.3	3.3
Pneumonia/Influenza (480-487)	1,646	29.4	4.0	764	27.4	3.7	882	31.3	4.3
Diabetes Mellitus (250)	1,110	19.8	2.7	535	19.2	2.6	575	20.4	2.8
Suicide (E950-E959)	728	13.0	1.8	592	21.2	2.8	136	4.8	0.7
Alzheimer's Disease (3310)	571	10.2	1.4	177	6.3	0.8	394	14.0	1.9
Chronic Liver Dis. & Cirrhosis (571)	511	9.1	1.2	326	11.7	1.6	185	6.6	0.9
All Other Causes	8,066	143.9	19.5	3,805	136.4	18.2	4,261	151.3	20.8
Under 1									
All Causes	440	563.1	100	251	627.1	100.0	189	495.9	100.0
Congenital Anomalies (740-759)	117	149.7	26.6	62	154.9	24.7	55	144.3	29.1
Sudden Infant Death Syndrome (7980)	84	107.5	19.1	49	122.4	19.5	35	91.8	18.5
Short Gestation (765)	36	46.1	8.2	20	50.0	8.0	16	42.0	8.5
Complications of Placenta (762)	16	20.5	3.6	10	25.0	4.0	6	15.7	3.2
Respiratory Distress Syndrome (769)	16	20.5	3.6	10	25.0	4.0	6	15.7	3.2
All Other Causes	171	218.8	38.9	100	249.8	39.8	71	186.3	37.6
1-4									
All Causes	110	33.7	100.0	54	32.3	100.0	56	35.2	100.0
Accidents & Adverse Effects (E800-E949)	47	14.4	42.7	20	12.0	37.0	27	17.0	48.2
Malignant Neoplasms (140-208)	14	4.3	12.7	9	5.4	16.7	5	3.1	8.9
Congenital Anomalies (740-759)	10	3.1	9.1	7	4.2	13.0	3	—*	5.4
Homicide & Legal Intervention (E960-E978)	8	2.5	7.3	5	3.0	9.3	3	—*	5.4
Pneumonia/Influenza (480-487)	7	2.1	6.4	3	—*	5.6	4	—*	7.1
All Other Causes	24	7.4	21.8	10	6.0	18.5	14	8.8	25.0
5-14									
All Causes	149	17.2	100.0	84	18.9	100.0	65	15.4	100.0
Accidents & Adverse Effects (E800-E949)	64	7.4	43.0	32	7.2	38.1	32	7.6	49.2
Malignant Neoplasms (140-208)	19	2.2	12.8	10	2.3	11.9	9	2.1	13.8
Congenital Anomalies (740-759)	13	1.5	8.7	9	2.0	10.7	4	—*	6.2
Homicide & Legal Intervention (E960-E978)	11	1.3	7.4	6	1.4	7.1	5	1.2	7.7
Pneumonia/Influenza (480-487)	4	—*	2.7	3	—*	3.6	1	—*	1.5
All Other Causes	38	4.4	25.5	24	5.4	28.6	14	3.3	21.5
15-19									
All Causes	265	68.2	100.0	179	89.5	100.0	86	45.6	100.0
Accidents & Adverse Effects (E800-E949)	129	33.2	48.7	78	39.0	43.6	51	27.1	59.3
Suicide (E950-E959)	45	11.6	17.0	36	18.0	20.1	9	4.8	10.5
Homicide & Legal Intervention (E960-E978)	34	8.8	12.8	29	14.5	16.2	5	2.7	5.8
Malignant Neoplasms (140-208)	19	4.9	7.2	11	5.5	6.1	8	4.2	9.3
Diseases of Heart (390-398,402,404-429)	9	2.3	3.4	5	2.5	2.8	4	—*	4.7
All Other Causes	29	7.5	10.9	20	10.0	11.2	9	4.8	10.5
20-24									
All Causes	313	92.0	100.0	233	132.3	100.0	80	48.7	100.0
Accidents & Adverse Effects (E800-E949)	112	32.9	35.8	85	48.3	36.5	27	16.4	33.8
Suicide (E950-E959)	71	20.9	22.7	66	37.5	28.3	5	3.0	6.3
Homicide & Legal Intervention (E960-E978)	45	13.2	14.4	37	21.0	15.9	8	4.9	10.0
Malignant Neoplasms (140-208)	24	7.1	7.7	12	6.8	5.2	12	7.3	15.0
Diseases of Heart (390-398,402,404-429)	15	4.4	4.8	5	2.8	2.1	10	6.1	12.5
All Other Causes	46	13.5	14.7	28	15.9	12.0	18	11.0	22.5
25-34									
All Causes	802	97.6	100.0	578	138.6	100.0	224	55.3	100.0
Accidents & Adverse Effects (E800-E949)	247	30.0	30.8	178	42.7	30.8	69	17.0	30.8
Suicide (E950-E959)	136	16.5	17.0	116	27.8	20.1	20	4.9	8.9
Malignant Neoplasms (140-208)	105	12.8	13.1	67	16.1	11.6	38	9.4	17.0
Human Immunodef. Virus (HIV) (042-044)	54	6.6	6.7	48	11.5	8.3	6	1.5	2.7
Homicide & Legal Intervention (E960-E978)	52	6.3	6.5	36	8.6	6.2	16	4.0	7.1
All Other Causes	208	25.3	25.9	133	31.9	23.0	75	18.5	33.5

Table 21. Deaths to Residents by Leading Causes and Age Group by Sex, 1997

Age Group with Causes	Total			Male			Female		
	No.	Rate ¹	Pct ²	No.	Rate ¹	Pct ²	No.	Rate ¹	Pct ²
35 - 44									
All Causes	1,621	167.0	100.0	1,042	213.0	100.0	579	120.2	100.0
Accidents & Adverse Effects (E800-E949)	348	35.8	21.5	259	52.9	24.9	89	18.5	15.4
Malignant Neoplasms (140-208)	326	33.6	20.1	148	30.3	14.2	178	37.0	30.7
Diseases of Heart (390-398,402,404-429)	198	20.4	12.2	143	29.2	13.7	55	11.4	9.5
Suicide (E950-E959)	169	17.4	10.4	133	27.2	12.8	36	7.5	6.2
Human Immunodef. Virus (HIV) (042-044)	75	7.7	4.6	67	13.7	6.4	8	1.7	1.4
All Other Causes	505	52.0	31.2	292	59.7	28.0	213	44.2	36.8
45 - 54									
All Causes	2,571	346.0	100	1,564	420.6	100.0	1,007	271.3	100.0
Malignant Neoplasms (140-208)	875	117.8	34	409	110.0	26.2	466	125.5	46.3
Diseases of Heart (390-398,402,404-429)	528	71.1	20.5	411	110.5	26.3	117	31.5	11.6
Accidents & Adverse Effects (E800-E949)	212	28.5	8.2	157	42.2	10.0	55	14.8	5.5
Chronic Liver Dis. & Cirrhosis (571)	133	17.9	5.2	91	24.5	5.8	42	11.3	4.2
Suicide (E950-E959)	123	16.6	4.8	87	23.4	5.6	36	9.7	3.6
All Other Causes	700	94.2	27.2	409	110.0	26.2	291	78.4	28.9
55 - 64									
All Causes	3,855	895.0	100	2,300	1074.6	100.0	1,555	717.6	100.0
Malignant Neoplasms (140-208)	1,558	361.7	40.4	799	373.3	34.7	759	350.3	48.8
Diseases of Heart (390-398,402,404-429)	972	225.7	25.2	696	325.2	30.3	276	127.4	17.7
Chronic Obstructive Pulmonary Diseases (490-496)	195	45.3	5.1	108	50.5	4.7	87	40.1	5.6
Cerebrovascular Diseases (430-438)	147	34.1	3.8	74	34.6	3.2	73	33.7	4.7
Diabetes Mellitus (250)	139	32.3	3.6	71	33.2	3.1	68	31.4	4.4
All Other Causes	844	196.0	21.9	552	257.9	24.0	292	134.8	18.8
65 - 74									
All Causes	7,867	2278.7	100	4,472	2823.9	100.0	3,395	1816.8	100.0
Malignant Neoplasms (140-208)	2,799	810.8	35.6	1,525	963.0	34.1	1,274	681.8	37.5
Diseases of Heart (390-398,402,404-429)	2,056	595.5	26.1	1,312	828.5	29.3	744	398.1	21.9
Chronic Obstructive Pulmonary Diseases (490-496)	660	191.2	8.4	333	210.3	7.4	327	175.0	9.6
Cerebrovascular Diseases (430-438)	440	127.4	5.6	228	144.0	5.1	212	113.4	6.2
Diabetes Mellitus (250)	291	84.3	3.7	139	87.8	3.1	152	81.3	4.5
All Other Causes	1,621	469.5	20.6	935	590.4	20.9	686	367.1	20.2
75 - 84									
All Causes	12,430	5581.6	100	6,303	6911.9	100.0	6,127	4659.1	100.0
Diseases of Heart (390-398,402,404-429)	3,603	1617.9	29	1,947	2135.1	30.9	1,656	1259.2	27.0
Malignant Neoplasms (140-208)	3,012	1352.5	24.2	1,568	1719.5	24.9	1,444	1098.0	23.6
Cerebrovascular Diseases (430-438)	1,206	541.5	9.7	560	614.1	8.9	646	491.2	10.5
Chronic Obstructive Pulmonary Diseases (490-496)	947	425.2	7.6	489	536.2	7.8	458	348.3	7.5
Pneumonia/Influenza (480-487)	510	229.0	4.1	257	281.8	4.1	253	192.4	4.1
All Other Causes	3,152	1415.4	25.4	1,482	1625.2	23.5	1,670	1269.9	27.3
85 and Over									
All Causes	11,003	14745.6	100	3,850	17315.8	100.0	7,153	13654.7	100.0
Diseases of Heart (390-398,402,404-429)	3,675	4925.0	33.4	1,263	5680.5	32.8	2,412	4604.4	33.7
Cerebrovascular Diseases (430-438)	1,448	1940.5	13.2	416	1871.0	10.8	1,032	1970.0	14.4
Malignant Neoplasms (140-208)	1,310	1755.6	11.9	583	2622.1	15.1	727	1387.8	10.2
Pneumonia/Influenza (480-487)	795	1065.4	7.2	304	1367.3	7.9	491	937.3	6.9
Chronic Obstructive Pulmonary Diseases (490-496)	450	603.1	4.1	213	958.0	5.5	237	452.4	3.3
All Other Causes	3,325	4456.0	30.2	1,071	4816.9	27.8	2,254	4302.8	31.5
Age Unknown									
All Causes	3	--*	100	3	--*	100.0	0	--*	100.0
Accidents & Adverse Effects (E800-E949)	1	--*	33.3	1	--*	33.3	0	--*	0.0
All Other Causes	2	--*	66.7	2	--*	66.7	0	--*	0.0

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

²Percent of total deaths in each age-sex group. Percents may not add to 100% due to rounding.

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*Rate not calculated because number of deaths was less than 5.

Table 22. Deaths to Residents by Selected Causes by Sex, 1997

Cause with International List Number	Total		Male		Female	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Total All Causes²	(41,429)	(738.90)	(20,913)	(749.5)	(20,516)	(728.5)
Infectious and Parasitic Diseases (001-139)	(732)	(13.1)	(425)	(15.2)	(307)	(10.9)
Tuberculosis (010-018)	17	0.3	9	0.3	8	0.3
Septicemia (038)	268	4.8	109	3.9	159	5.6
Human Immunodeficiency Virus (042-044)	176	3.1	158	5.7	18	0.6
Other (000-009,020-037,039-041,045-139)	271	4.8	149	5.3	122	4.3
Neoplasms (140-239)	(10,170)	(181.4)	(5,184)	(185.8)	(4,986)	(177.0)
Malignant Neoplasms (140-208)	10,065	179.5	5,143	184.3	4,922	174.8
Benign Neoplasms, Carcinoma in Situ (210-239)	105	1.9	41	1.5	64	2.3
Endocrine, Nutrition, Metabolic Immunity (240-279)	(1,556)	(27.8)	(740)	(26.5)	(816)	(29.0)
Diabetes Mellitus (250)	1,110	19.8	535	19.2	575	20.4
Nutritional Deficiencies (260-269)	68	1.2	20	0.7	48	1.7
Other (240-249,251-259,270-279)	378	6.7	185	6.6	193	6.9
Diseases of Blood and Blood-Forming Organs (280-289)	(161)	(2.9)	(76)	(2.7)	(85)	(3.0)
Anemia (280-285)	60	1.1	24	0.9	36	1.3
Other (286-289)	101	1.8	52	1.9	49	1.7
Mental Disorders (290-319)	(1,328)	(23.7)	(476)	(17.1)	(852)	(30.3)
Alcohol-Related (291,303,305.0)	142	2.5	110	3.9	32	1.1
Other (290,292-302,304,305.1-319)	1,186	21.2	366	13.1	820	29.1
Diseases of the Nervous System and Sense Organ (320-389)	(1,388)	(24.8)	(627)	(22.5)	(761)	(27.0)
Meningitis (320-322)	17	0.3	11	0.4	6	0.2
Alzheimers' Disease (331.0)	571	10.2	177	6.3	394	14.0
Parkinson's Disease (332)	362	6.5	229	8.2	133	4.7
Amyotrophic Lateral Sclerosis (335.2)	99	1.8	58	2.1	41	1.5
Multiple Sclerosis (340)	79	1.4	27	1.0	52	1.8
Other (323-330,331.1-331.9,333-335.1,335.8-337,341-389)	260	4.6	125	4.5	135	4.8
Diseases of the Circulatory System (390-459)	(15,677)	(279.6)	(7,737)	(277.3)	(7,940)	(281.9)
Major Cardiovascular Diseases (390-448)	(15,634)	(278.8)	(7,714)	(276.4)	(7,920)	(281.2)
Diseases of the Heart (390-398,402,404-429)	(11,108)	(198.1)	(5,815)	(208.4)	(5,293)	(187.9)
Rheumatic Fever & Rheumatic Heart Disease (390-398)	121	2.2	43	1.5	78	2.8
Hypertensive Heart Disease (402)	394	7.0	170	6.1	224	8.0
Hypertensive Heart and Renal Disease (404)	27	0.5	11	0.4	16	0.6
Ischemic Heart Disease (410-414)	(6,815)	(121.5)	(3,770)	(135.1)	(3,045)	(108.1)
Acute Myocardial Infarction (410)	2,812	50.2	1,602	57.4	1,210	43.0
Other Forms of Ischemic Heart Disease (411)	5	0.1	4	--*	1	--*
Angina Pectoris (413)	14	0.2	6	0.2	8	0.3
Old Myocardial Infarction, Chronic Ischemic (412,414)	3,984	71.1	2,158	77.3	1,826	64.8
Other Diseases of Endocardium (424)	434	7.7	176	6.3	258	9.2
Cardiovascular Disease, Unspecified (429.2)	1,535	27.4	799	28.6	736	26.1
Other Heart Disease (415-428,429.0-429.1,429.3-429.9)	1,782	31.8	846	30.3	936	33.2
Hypertensive Disease (401,403)	198	3.5	80	2.9	118	4.2
Cerebrovascular Disease (430-438)	3,375	60.2	1,355	48.6	2,020	71.7
Arteriosclerosis (440)	339	6.0	124	4.4	215	7.6
Other Major Cardiovascular Diseases (441-448)	614	11.0	340	12.2	274	9.7
Other Diseases of Circulatory System (451-459)	43	0.8	23	0.8	20	0.7
Diseases of the Respiratory System (460-519)	(4,580)	(81.7)	(2,257)	(80.9)	(2,323)	(82.5)
Acute Bronchitis and Bronchiolitis (466)	3	--*	2	--*	1	--*
Pneumonia and Influenza (480-487)	(1,646)	(29.4)	(764)	(27.4)	(882)	(31.3)
Pneumonia (480-486)	1,614	28.8	757	27.1	857	30.4
Influenza (487)	32	0.6	7	0.3	25	0.9

Table 22. Deaths to Residents by Selected Causes by Sex, 1997

Cause with International List Number	Total		Male		Female	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Diseases of the Respiratory System (460-519) Cont.						
Chronic Obstructive Pulmonary Diseases (490-496)	(2,347)	(41.9)	(1,183)	(42.4)	(1,164)	(41.3)
Bronchitis, Chronic and Unspecified (490-491)	47	0.8	21	0.8	26	0.9
Emphysema (492)	355	6.3	196	7.0	159	5.6
Asthma (493)	102	1.8	42	1.5	60	2.1
Other Chronic Obstructive Pulmonary Diseases (494-496)	1,843	32.9	924	33.1	919	32.6
Other (460-465,470-478,500-519)	584	10.4	308	11.0	276	9.8
Diseases of the Digestive System (520-579)	(1,484)	(26.5)	(693)	(24.8)	(791)	(28.1)
Ulcer of Stomach and Duodenum (531-533)	94	1.7	37	1.3	57	2.0
Appendicitis (540-543)	3	—*	1	—*	2	—*
Hernia & Intestinal Obstruction (550-553,560)	135	2.4	48	1.7	87	3.1
Chronic Liver Disease & Cirrhosis (571)	511	9.1	326	11.7	185	6.6
Cholelithiasis and Disorders of Gallbladder (574-575)	43	0.8	14	0.5	29	1.0
Other (520-530,534-537,555-558,562-570,572-573,576-579)	698	12.4	267	9.6	431	15.3
Diseases of the Genitourinary System (580-629)	(509)	(9.1)	(227)	(8.1)	(282)	(10.0)
Nephritis, Nephrotic Syndrome, and Nephrosis (580-589)	226	4.0	125	4.5	101	3.6
Infections of Kidney (590)	23	0.4	6	0.2	17	0.6
Hyperplasia of Prostate (600)	14	0.2	14	0.5	—*	—*
Other (591-599,601-629)	246	4.4	82	2.9	164	5.8
Complications of Pregnancy & Childbirth (630-676)	(2)	—*	—*	—*	(2)	—*
Diseases of the Skin (680-709)	(39)	(0.7)	(21)	(0.8)	(18)	(0.6)
Diseases of the Musculoskeletal (710-739)	(196)	(3.5)	(35)	(1.3)	(161)	(5.7)
Congenital Anomalies (740-759)	(250)	(4.5)	(133)	(4.8)	(117)	(4.2)
Certain Conditions in the Perinatal Period (760-779)	(156)	(2.8)	(101)	(3.6)	(55)	(2.0)
Birth Trauma & Asphyxia Conditions (767-769)	33	0.6	22	0.8	11	0.4
Other Conditions in Perinatal Period (760-766,770-779)	123	2.2	79	2.8	44	1.6
III-Defined Conditions (780-799)	(211)	(3.8)	(109)	(3.9)	(102)	(3.6)
Sudden Infant Death Syndrome (798.0)	84	1.5	49	1.8	35	1.2
Other (780-797,798.1-799)	127	2.3	60	2.2	67	2.4
Accidents and Adverse Effects (E800-E949)	(1,902)	(33.9)	(1,218)	(43.6)	(684)	(24.3)
Motor Vehicle (E810-E825)	755	13.5	472	16.9	283	10.0
Water Transport (E830-E838)	(33)	(0.6)	(25)	(0.9)	(8)	(0.3)
Drownings Due To (E830,E832)	30	0.5	23	0.8	7	0.2
Other Water Transport (E831,E833-E838)	3	—*	2	—*	1	—*
Air and Space Transport (E840-E845)	27	0.5	24	0.9	3	—*
Accidental Poisoning (E850-E869)	322	5.7	246	8.8	76	2.7
Falls (E880-E888)	360	6.4	184	6.6	176	6.2
Fire (E890-E899)	39	0.7	24	0.9	15	0.5
Accidental Drowning (E910)	90	1.6	64	2.3	26	0.9
Late Effects of Accidental Injury (E929)	30	0.5	20	0.7	10	0.4
Other (E800-E949)	246	4.4	159	5.7	87	3.1
Suicide (E950-E959)	(728)	(13.0)	(592)	(21.2)	(136)	(4.8)
Suicide: Firearms or Explosives (E955)	422	7.5	371	13.3	51	1.8
Suicide: Other Methods (E950-E954,E956-E959)	306	5.5	221	7.9	85	3.0
Homicide and Legal Intervention (E960-E978)	(261)	(4.7)	(186)	(6.7)	(75)	(2.7)
Homicide: Firearms and Explosives (E965)	158	2.8	120	4.3	38	1.3
Homicide: Other Methods (E960-E964,E966-E969)	100	1.8	63	2.3	37	1.3
Legal Intervention (E970-E978)	3	—*	3	—*	—*	—*
All other External Causes (E980-E999)	(99)	(1.8)	(76)	(2.7)	(23)	(0.8)

¹Rates per 100,000 population.

²Group totals are shown in parentheses.

*Rate not calculated because number of deaths was less than 5.

Table 23. Deaths to Residents Due to Malignant Neoplasm by Primary Site by Sex, 1997

Cause with International List Number	Total		Male		Female	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Total All Causes²	(10,065)	(180)	(5,143)	(184.3)	(4,922)	(174.8)
Lip, Oral Cavity, and Pharynx (140-149)	(170)	(3)	(113)	(4.0)	(57)	(2.0)
Digestive Organs and Peritoneum (150-159)	(2,284)	(41)	(1,255)	(45.0)	(1,029)	(36.5)
Esophagus (150)	234	4.2	180	6.5	54	1.9
Stomach (151)	207	3.7	141	5.1	66	2.3
Small Intestine, Including Duodenum (152)	32	0.6	17	0.6	15	0.5
Colon (153)	783	14.0	402	14.4	381	13.5
Rectum (154)	172	3.1	80	2.9	92	3.3
Liver and Intrahepatic Ducts (155)	215	3.8	144	5.2	71	2.5
Gallbladder and Extrahepatic Bile Ducts (156)	56	1.0	23	0.8	33	1.2
Pancreas (157)	542	9.7	253	9.1	289	10.3
Retroperitoneum and Peritoneum (158)	11	0.2	5	0.2	6	0.2
Intestinal tract, part unspecified (159.0)	14	0.2	4	—*	10	0.4
Other and Ill-defined sites within the digestive organs and peritoneum (159.1-159.9)	18	0.3	6	0.2	12	0.4
Respiratory and Intrathoracic Organs (160-165)	(2,968)	(52.9)	(1,654)	(59.3)	(1,314)	(46.7)
Trachea (162.0)	3	—*	2	—*	1	—*
Bronchus and Lung (162.2-162.9)	2,860	51.0	1,570	56.3	1,290	45.8
Other (160-161,163-165)	105	1.9	82	2.9	23	0.8
Bone, Connective Tissue, Skin and Breast (170-175)	(1,132)	(20.2)	(199)	(7.1)	(933)	(33.1)
Bone and Articular Cartilage (170)	29	0.5	17	0.6	12	0.4
Connective Tissue and Other Soft Tissue (171)	85	1.5	39	1.4	46	1.6
Skin (172-173)	212	3.8	133	4.8	79	2.8
Breast (174,175)	806	14.4	10	0.4	796	28.3
Genital Organs (179-187)	(1,112)	(19.8)	(600)	(21.5)	(512)	(18.2)
Cervix uteri (180)	60	1.1	0	—*	60	2.1
Prostate (185)	590	10.5	590	21.1	0	0
Other (179,181-184,186-187)	462	8.2	10	0.4	452	16.0
Urinary Organs (188-189)	(439)	(7.8)	(272)	(9.7)	(167)	(5.9)
Bladder (188)	208	3.7	147	5.3	61	2.2
Other (189)	231	4.1	125	4.5	106	3.8
Brain (191)	(304)	(5.4)	(167)	(6.0)	(137)	(4.9)
Other and Ill-Defined Sites (190,192-199)	(575)	(10.3)	(284)	(10.2)	(291)	(10.3)
Lymphatic and Hematopoietic Tissue (200-208)	(1,081)	(19.3)	(599)	(21.5)	(482)	(17.1)
Lymphosarcoma (200)	36	0.6	20	0.7	16	0.6
Hodgkins Disease (201)	23	0.4	15	0.5	8	0.3
Lymphoid and Histiocytic Tissue (202)	427	7.6	221	7.9	206	7.3
Multiple Myeloma and Immunoproliferative Tissue (203)	196	3.5	106	3.8	90	3.2
Lymphoid Leukemia (204)	121	2.2	73	2.6	48	1.7
Myeloid Leukemia (205)	251	4.5	151	5.4	100	3.6
Monocytic Leukemia (206)	6	0.1	4	—*	2	—*
Other and Unspecified Leukemia (207-208)	21	0.4	9	0.3	12	0.4

¹Rates per 100,000 population.

²Group totals are shown in parentheses.

*Rate not calculated because number of deaths was less than 5.

Table 24. Deaths to Residents by Non-Transport Causes by Place of Accident, 1997

Cause of Death	Nursing							
	Total	Home	Home	Agriculture	Industry	Prison	Public	Unk
State Total	1,065	532	78	17	21	1	212	204
Poisoning by Drugs, Medicaments and Biologicals (E850-E858)	295	207	0	1	0	1	57	29
Poisoning by Other Solid and Liquid Substances, Gases and Vapors (E860-E869)	27	16	0	0	0	0	7	4
Misadventures and Abnormal Reactions Due to Surgical and Medical Care (E870-E879)	34	0	0	0	0	0	6	28
Falls (E880-E888) ¹	(360)	(169)	(73)	(1)	(3)	0	(42)	(72)
Falls on/from Stairs or Ladders (E880-E881)	32	28	0	0	1	0	3	0
Falls from One Level to Another (E882-E884)	49	17	16	0	2	0	14	0
Falls on Same Level (E885-E886)	15	10	4	0	0	0	1	0
Other and Unspecified Fall (E887-E888)	264	114	53	1	0	0	24	72
Fire (E890-E899)	39	37	0	0	0	0	2	0
Natural and Environmental Factors (E900-E909)	22	9	0	2	0	0	8	3
Drowning, Excluding Submersion Following Boating Accidents (E910)	90	25	0	0	1	0	62	2
Inhalation and Ingestion of Food or Other Object Causing Suffocation and Obstruction (E911-E912)	38	12	1	0	0	0	1	24
Mechanical Suffocation (E913)	23	19	1	0	0	0	3	0
Foreign Body Entering Other Orifice (E914-E915)	0	0	0	0	0	0	0	0
Struck by, Against or Between Objects (E916-E918)	24	9	0	3	3	0	9	0
Machinery (E919-E920)	29	5	0	9	10	0	5	0
Explosion and Explosive Material (E921,E923)	1	0	0	0	1	0	0	0
Firearms (E922)	16	8	0	0	0	0	3	5
Hot Substance, Corrosive Liquid and Steam (E924)	5	2	2	0	0	0	1	0
Electricity (E925)	3	2	0	0	1	0	0	0
Late Effects of Non-Transport Accidents (E929.2-E929.9)	20	6	1	0	0	0	1	12
Other and Unspecified Non-Transport Accidents (E926-E928,E930-E949)	39	6	0	1	2	0	5	25

¹Group totals for falls are shown in parentheses.

Table 25. Deaths by Place of Residence and Occurrence, 1997

County and City	Residence		Occurrence	
	Total	Rate ¹	Total	Rate ¹
State Total	41,429	7.4	41,598	7.4
Adams	101	6.4	84	5.3
Asotin	219	11.1	188	9.5
Benton	833	6.2	781	5.8
Kennewick	371	7.6	420	8.6
Richland	256	7.0	253	6.9
Chelan	560	9.0	696	11.2
Wenatchee	282	11.2	532	21.1
Clallam	770	11.6	724	10.9
Port Angeles	252	13.3	441	23.3
Clark	2,113	6.7	1,999	6.3
Vancouver	1,233	9.6	1,682	13.2
Columbia	50	11.9	43	10.2
Cowlitz	871	9.5	942	10.2
Longview	392	11.7	803	23.9
Douglas	231	7.5	117	3.8
Ferry	72	9.9	42	5.8
Franklin	277	6.3	268	6.1
Pasco	187	7.4	250	9.9
Garfield	28	11.7	16	6.7
Grant	488	7.1	415	6.1
Grays Harbor	793	11.6	626	9.2
Aberdeen	228	13.7	370	22.2
Island	501	7.0	358	5.0
Oak Harbor	110	5.4	114	5.6
Jefferson	255	9.7	195	7.4
King	11,310	6.9	12,578	7.6
Auburn	315	8.6	420	11.4
Bellevue	693	6.6	1,059	10.1
Burien	127	4.5	270	9.7
Des Moines	247	9.1	318	11.8
Federal Way	399	5.3	421	5.5
Kent	393	6.3	221	3.6
Kirkland	327	7.5	636	14.5
Mercer Island	172	8.0	106	4.9
Redmond	246	5.8	274	6.5
Renton	449	9.8	744	16.2
Sea Tac	117	5.0	69	3.0
Seattle	5,082	9.5	6,988	13.0
Shoreline	291	5.8	210	4.2
Kitsap	1,598	7.0	1,486	6.5
Bainbridge Island	148	7.8	110	5.8
Bremerton	477	12.4	886	23.0

Table 25. Deaths by Place of Residence and Occurrence, 1997

County and City	Residence		Occurrence	
	Total	Rate ¹	Total	Rate ¹
Kittitas	240	7.6	228	7.2
Klickitat	139	7.3	111	5.8
Lewis	709	10.4	627	9.2
Lincoln	96	9.8	86	8.8
Mason	447	9.3	329	6.9
Okanogan	364	9.5	309	8.0
Pacific	260	12.2	190	8.9
Pend Oreille	115	10.3	107	9.6
Pierce	4,717	7.0	4,776	7.1
Lakewood	320	5.1	336	5.4
Puyallup	292	9.9	760	25.8
Tacoma	1,859	10.0	2,919	15.7
University Place	191	6.6	134	4.6
San Juan	99	7.9	80	6.4
Skagit	863	8.9	842	8.7
Mount Vernon	220	9.9	373	16.7
Skamania	69	7.0	41	4.1
Snohomish	3,440	6.2	3,049	5.5
Edmonds	366	10.3	530	14.9
Everett	789	9.4	1,143	13.6
Lynnwood	317	9.6	249	7.5
Marysville	234	12.5	287	15.3
Mountlake Terrace	99	4.9	37	1.8
Mukilteo	53	3.3	33	2.1
Spokane	3,512	8.6	3,975	9.7
Spokane (City)	2,173	11.5	3,664	19.5
Stevens	298	8.0	227	6.1
Thurston	1,425	7.2	1,537	7.8
Lacey	257	9.3	270	9.8
Olympia	456	11.8	1,131	29.3
Wahkiakum	42	10.8	26	6.7
Walla Walla	500	9.3	559	10.4
Walla Walla (City)	324	11.1	505	17.4
Whatcom	1,101	7.0	1,119	7.2
Bellingham	626	10.2	873	14.3
Whitman	220	5.3	180	4.4
Pullman	61	2.4	54	2.2
Yakima	1,703	8.2	1,642	7.9
Yakima (City)	755	11.9	1,164	18.3

¹Rates per 1,000 population

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Table 26. Deaths by Sex and Race/Ethnicity by Place of Residence, 1997

County and City	Total	Male	Female	White	African Amer.	Native Amer.	Japa nese	Chi nese	Fili pino	Other Asian	Other	Unk	Hispanic ¹
State Total	41,429	20,913	20,516	39,015	992	501	158	161	210	364	1	27	649
Adams	101	54	47	100	0	0	0	0	1	0	0	0	16
Asotin	219	115	104	219	0	0	0	0	0	0	0	0	3
Benton	833	440	393	820	9	3	0	1	0	0	0	0	24
Kennewick	371	206	165	364	4	2	0	1	0	0	0	0	19
Richland	256	121	135	251	5	0	0	0	0	0	0	0	2
Chelan	560	276	284	554	0	3	0	1	1	1	0	0	13
Wenatchee	282	128	154	278	0	1	0	1	1	1	0	0	7
Clallam	770	399	371	752	0	14	0	0	2	1	0	1	1
Port Angeles	252	121	131	245	0	3	0	0	2	1	0	1	0
Clark	2,113	1,069	1,044	2,067	24	5	0	3	2	12	0	0	23
Vancouver	1,233	620	613	1,200	20	3	0	1	1	8	0	0	15
Columbia	50	27	23	50	0	0	0	0	0	0	0	0	0
Cowlitz	871	412	459	864	1	3	0	0	2	1	0	0	4
Longview	392	177	215	389	0	0	0	0	2	1	0	0	1
Douglas	231	115	116	231	0	0	0	0	0	0	0	0	12
Ferry	72	50	22	55	0	16	0	0	0	0	0	1	0
Franklin	277	165	112	262	8	4	0	0	2	1	0	0	23
Pasco	187	103	84	175	6	4	0	0	2	0	0	0	20
Garfield	28	13	15	28	0	0	0	0	0	0	0	0	0
Grant	488	260	228	476	5	5	1	0	0	1	0	0	34
Grays Harbor	793	426	367	765	4	20	0	0	0	3	0	1	5
Aberdeen	228	115	113	215	3	10	0	0	0	0	0	0	2
Island	501	260	241	491	3	0	2	0	4	1	0	0	0
Oak Harbor	110	45	65	101	3	0	2	0	3	1	0	0	0
Jefferson	255	129	126	246	1	6	1	0	0	1	0	0	0
King	11,310	5,542	5,768	10,008	614	109	108	134	129	193	1	14	144
Auburn	315	147	168	304	2	3	0	0	3	3	0	0	5
Bellevue	693	333	360	647	8	3	3	16	1	12	0	3	7
Burien	127	66	61	120	3	2	0	0	0	2	0	0	3
Des Moines	247	103	144	237	7	0	0	0	1	2	0	0	2
Federal Way	399	195	204	360	20	2	3	2	3	9	0	0	6
Kent	393	199	194	365	11	2	2	0	4	9	0	0	4
Kirkland	327	146	181	316	2	0	2	3	0	4	0	0	1
Mercer Island	172	73	99	163	4	0	3	1	0	1	0	0	1
Redmond	246	110	136	238	5	1	1	1	0	0	0	0	1
Renton	449	222	227	392	31	6	1	3	5	11	0	0	8
Sea Tac	117	66	51	108	4	2	0	0	2	1	0	0	4
Seattle	5,082	2,493	2,589	4,135	490	63	87	100	89	107	1	10	72
Shoreline	291	138	153	282	0	0	0	1	3	5	0	0	4
Kitsap	1,598	825	773	1,525	24	17	8	2	9	12	0	1	15
Bainbridge Island	148	77	71	144	1	0	1	0	2	0	0	0	0
Bremerton	477	213	264	444	20	4	1	0	3	5	0	0	5

Table 26. Deaths by Sex and Race/Ethnicity by Place of Residence, 1997

County and City	Total	Male	Female	White	African Amer.	Native Amer.	Japanese	Chinese	Filipino	Other Asian	Other	Unk	Hispanic ¹
Kittitas	240	119	121	240	0	0	0	0	0	0	0	0	0
Klickitat	139	75	64	135	0	4	0	0	0	0	0	0	1
Lewis	709	386	323	705	0	3	0	0	1	0	0	0	12
Lincoln	96	60	36	96	0	0	0	0	0	0	0	0	1
Mason	447	266	181	431	2	11	0	0	2	1	0	0	6
Okanogan	364	201	163	329	0	35	0	0	0	0	0	0	6
Pacific	260	138	122	256	0	3	1	0	0	0	0	0	2
Pend Oreille	115	63	52	114	0	1	0	0	0	0	0	0	0
Pierce	4,717	2,387	2,330	4,349	204	49	20	4	19	71	0	1	57
Lakewood	320	176	144	280	21	3	2	1	3	10	0	0	5
Puyallup	292	132	160	283	1	1	0	1	3	3	0	0	3
Tacoma	1,859	885	974	1,645	131	29	7	2	6	38	0	1	29
University Place	191	80	111	182	5	0	0	0	0	4	0	0	4
San Juan	99	49	50	98	0	0	0	0	1	0	0	0	0
Skagit	863	416	447	850	0	12	1	0	0	0	0	0	20
Mount Vernon	220	104	116	219	0	0	1	0	0	0	0	0	11
Skamania	69	39	30	69	0	0	0	0	0	0	0	0	0
Snohomish	3,440	1,740	1,700	3,318	26	28	5	9	15	37	0	2	25
Edmonds	366	162	204	350	2	3	1	2	2	6	0	0	1
Everett	789	387	402	763	10	4	2	0	3	7	0	0	6
Lynnwood	317	157	160	304	1	2	0	2	2	6	0	0	3
Marysville	234	115	119	230	1	0	0	0	1	1	0	1	2
Mountlake Terrace	99	44	55	89	1	0	0	0	4	5	0	0	0
Mukilteo	53	32	21	52	0	1	0	0	0	0	0	0	0
Spokane	3,512	1,700	1,812	3,430	32	30	7	4	1	6	0	2	12
Spokane (City)	2,173	1,010	1,163	2,109	28	20	5	3	1	5	0	2	7
Stevens	298	157	141	285	0	10	0	0	1	1	0	1	1
Thurston	1,425	716	709	1,380	10	15	1	0	4	13	0	2	15
Lacey	257	121	136	248	2	2	1	0	1	3	0	0	3
Olympia	456	212	244	439	3	4	0	0	1	8	0	1	4
Wahkiakum	42	21	21	39	0	3	0	0	0	0	0	0	0
Walla Walla	500	243	257	492	5	1	1	0	0	1	0	0	10
Walla Walla (City)	324	159	165	319	2	1	1	0	0	1	0	0	7
Whatcom	1,101	557	544	1,062	2	27	0	2	3	4	0	1	11
Bellingham	626	292	334	610	2	10	0	1	1	2	0	0	4
Whitman	220	117	103	216	0	2	1	0	0	1	0	0	0
Pullman	61	33	28	58	0	1	1	0	0	1	0	0	0
Yakima	1,703	886	817	1,608	18	62	1	1	11	2	0	0	153
Yakima (City)	755	360	395	734	15	2	0	1	1	2	0	0	32

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¹Persons of Hispanic Origin may be of any race. See Appendix A, "Hispanic Origin."

Table 27. Deaths by Age Group by Place of Residence, 1997

County and City	Total	Age Group											85 and Age	
		< 1	1-4	5-14	5-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	Over	Unk
State Total	41,429	440	110	149	265	313	802	1,621	2,571	3,855	7,867	12,430	11,003	3
Adams	101	1	0	0	0	0	2	3	5	8	21	29	32	0
Asotin	219	2	1	2	2	0	2	12	11	18	43	55	71	0
Benton	833	15	3	4	8	5	13	22	50	93	160	263	197	0
Kennewick	371	7	1	2	4	5	5	10	21	37	74	114	91	0
Richland	256	4	1	1	1	0	2	3	19	25	44	91	65	0
Chelan	560	3	1	0	2	5	9	13	32	42	87	172	194	0
Wenatchee	282	2	0	0	0	3	5	6	13	18	44	85	106	0
Clallam	770	3	0	3	4	5	9	23	35	62	163	261	202	0
Port Angeles	252	1	0	2	0	1	2	5	16	17	49	86	73	0
Clark	2,113	21	4	12	13	16	51	92	137	213	431	604	518	1
Vancouver	1,233	19	2	5	6	11	34	50	75	122	249	359	300	1
Columbia	50	0	0	0	1	0	0	2	2	7	7	20	11	0
Cowlitz	871	10	3	4	2	4	12	28	50	81	173	260	244	0
Longview	392	5	2	1	1	1	6	7	22	30	74	122	121	0
Douglas	231	0	1	2	3	1	6	11	14	25	44	75	49	0
Ferry	72	1	0	0	0	0	3	2	6	13	14	21	12	0
Franklin	277	5	3	1	1	3	3	18	18	25	65	83	52	0
Pasco	187	3	2	1	0	2	3	14	10	17	39	54	42	0
Garfield	28	0	0	0	1	0	2	2	2	1	2	10	8	0
Grant	488	9	3	3	5	6	9	13	30	64	90	138	118	0
Grays Harbor	793	5	1	4	3	3	12	28	56	112	157	224	188	0
Aberdeen	228	0	0	1	0	1	3	8	19	30	46	53	67	0
Island	501	9	4	2	4	0	7	15	30	53	101	162	114	0
Oak Harbor	110	4	2	2	0	0	3	6	8	4	21	30	30	0
Jefferson	255	2	0	1	0	0	2	8	9	26	61	86	60	0
King	11,310	113	22	39	54	89	247	468	760	976	2,038	3,344	3,158	2
Auburn	315	3	1	1	2	1	4	13	18	32	70	88	82	0
Bellevue	693	9	0	1	3	8	9	21	35	60	135	219	193	0
Burien	127	4	1	0	1	0	1	8	4	12	19	44	33	0
Des Moines	247	0	1	0	0	2	4	4	12	19	31	72	102	0
Federal Way	399	9	2	1	4	1	5	18	38	45	81	106	89	0
Kent	393	6	3	5	3	6	11	23	31	40	74	113	78	0
Kirkland	327	3	2	1	0	2	7	4	17	42	56	96	97	0
Mercer Island	172	0	0	0	0	0	2	3	3	14	33	59	58	0
Redmond	246	0	1	3	0	1	5	3	9	23	49	67	85	0
Renton	449	3	2	1	3	5	16	23	33	53	91	134	85	0
Sea Tac	117	3	0	2	0	1	6	3	12	9	21	40	20	0
Seattle	5,082	47	5	12	22	33	132	226	351	370	821	1,502	1,560	1
Shoreline	291	1	0	0	1	1	3	10	26	27	57	84	81	0
Kitsap	1,598	19	4	5	12	11	29	54	101	137	326	481	419	0
Bainbridge Island	148	3	1	0	0	1	1	6	8	5	25	48	50	0
Bremerton	477	5	0	2	0	5	11	16	31	38	81	157	131	0

Table 27. Deaths by Age Group by Place of Residence, 1997

County and City	Total												85 and Age	
		< 1	1-4	5-14	5-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	Over	Unk
Kittitas	240	1	0	1	1	3	2	6	20	17	38	75	76	0
Klickitat	139	2	3	0	0	0	3	6	7	16	29	41	32	0
Lewis	709	4	0	1	4	4	12	22	41	77	148	207	189	0
Lincoln	96	2	0	0	0	0	2	3	2	15	18	24	30	0
Mason	447	3	2	2	4	2	7	24	26	50	100	138	89	0
Okanogan	364	3	1	3	5	3	11	13	18	42	73	108	84	0
Pacific	260	0	0	1	1	0	3	6	11	33	68	77	60	0
Pend Oreille	115	0	1	0	2	0	1	6	7	17	27	32	22	0
Pierce	4,717	61	16	18	37	48	102	210	297	463	948	1,368	1,149	0
Lakewood	320	2	2	2	1	4	3	17	20	35	80	103	51	0
Puyallup	292	1	2	1	3	3	5	5	24	21	46	90	91	0
Tacoma	1,859	24	6	4	10	16	42	102	96	159	349	511	540	0
University Place	191	3	1	2	0	2	4	7	8	20	31	53	60	0
San Juan	99	0	0	0	1	0	1	0	5	7	17	36	32	0
Skagit	863	7	1	5	7	5	13	34	42	64	155	280	250	0
Mount Vernon	220	3	0	2	4	2	2	10	6	21	30	73	67	0
Skamania	69	0	0	0	0	0	1	2	5	6	12	20	23	0
Snohomish	3,440	49	10	10	20	24	74	143	255	321	650	1,011	873	0
Edmonds	366	2	0	0	2	0	1	3	16	32	75	118	117	0
Everett	789	13	4	4	1	5	12	41	55	50	135	262	207	0
Lynnwood	317	6	2	1	0	3	15	13	29	25	51	87	85	0
Marysville	234	1	0	1	1	4	5	6	13	20	41	76	66	0
Mountlake Terrace	99	2	0	0	1	2	2	5	10	14	19	24	20	0
Mukilteo	53	0	0	0	1	1	1	3	3	4	11	19	10	0
Spokane	3,512	35	9	6	18	28	50	120	205	296	661	1,083	1,001	0
Spokane (City)	2,173	23	7	4	12	16	32	65	133	156	381	664	680	0
Stevens	298	4	1	1	4	0	2	16	14	38	59	91	68	0
Thurston	1,425	10	2	2	10	14	20	52	100	135	245	444	391	0
Lacey	257	2	0	0	0	1	3	8	11	22	34	76	100	0
Olympia	456	2	2	0	2	8	4	11	30	45	70	148	134	0
Wahkiakum	42	1	1	0	0	0	0	2	2	2	12	12	10	0
Walla Walla	500	4	1	3	1	7	5	12	17	34	90	165	161	0
Walla Walla (City)	324	4	1	1	0	4	3	8	11	15	57	113	107	0
Whatcom	1,101	6	2	5	9	7	28	46	51	97	192	357	301	0
Bellingham	626	2	0	2	2	6	14	27	22	47	104	204	196	0
Whitman	220	2	1	0	3	2	3	4	11	22	42	72	58	0
Pullman	61	2	1	0	1	2	1	0	2	5	8	20	19	0
Yakima	1,703	28	9	9	23	18	44	80	87	147	300	501	457	0
Yakima (City)	755	10	4	1	7	4	12	30	35	48	132	241	231	0

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Table 28. Deaths by Month of Death by Place of Residence, 1997

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
State Total	41,429	4,093	3,335	3,673	3,422	3,437	3,119	3,314	3,258	3,164	3,481	3,446	3,687
Adams	101	15	4	4	9	10	8	9	6	10	10	6	10
Asotin	219	20	12	19	13	19	22	16	19	15	27	18	19
Benton	833	77	55	96	62	63	68	84	77	54	53	64	80
Kennewick	371	30	21	39	29	26	30	41	39	22	27	26	41
Richland	256	26	16	33	14	22	20	25	24	18	15	19	24
Chelan	560	56	51	54	39	58	34	52	39	38	46	48	45
Wenatchee	282	31	30	25	17	25	15	29	18	21	24	25	22
Clallam	770	75	67	70	60	64	48	51	57	65	65	65	83
Port Angeles	252	27	20	22	22	15	13	21	22	20	24	22	24
Clark	2,113	193	176	199	177	162	162	168	168	165	165	191	187
Vancouver	1,233	113	87	105	97	98	91	101	103	100	94	117	127
Columbia	50	9	3	3	3	5	2	6	2	9	2	1	5
Cowlitz	871	79	58	82	70	75	51	61	69	83	80	85	78
Longview	392	33	28	42	25	38	18	31	32	35	31	39	40
Douglas	231	16	25	15	18	20	27	20	13	23	14	21	19
Ferry	72	13	6	2	7	7	5	8	6	6	4	4	4
Franklin	277	25	18	26	25	23	27	14	19	25	23	31	21
Pasco	187	16	7	17	21	13	19	7	16	19	17	24	11
Garfield	28	3	1	3	1	2	1	1	2	4	3	4	3
Grant	488	60	29	43	35	38	38	39	37	41	44	38	46
Grays Harbor	793	66	58	84	63	63	57	79	64	71	55	57	76
Aberdeen	228	12	14	26	19	21	17	21	19	24	14	18	23
Island	501	40	33	44	35	41	41	35	53	39	46	52	42
Oak Harbor	110	10	7	7	7	6	9	7	14	6	9	15	13
Jefferson	255	24	24	23	31	18	22	19	15	17	15	23	24
King	11,310	1,121	919	1,014	975	949	836	884	905	866	928	923	990
Auburn	315	37	28	23	31	23	32	21	16	14	33	20	37
Bellevue	693	72	40	60	57	65	56	62	57	47	56	56	65
Burien	127	9	9	12	14	11	5	16	11	10	7	12	11
Des Moines	247	24	18	17	15	25	20	19	20	20	20	26	23
Federal Way	399	30	37	32	30	28	28	41	28	37	42	31	35
Kent	393	34	34	38	27	27	36	24	34	33	33	36	37
Kirkland	327	31	25	36	22	24	26	19	30	23	26	28	37
Mercer Island	172	16	10	11	20	19	15	15	17	13	13	10	13
Redmond	246	29	22	26	27	15	20	26	17	13	18	19	14
Renton	449	40	37	46	35	34	36	36	42	33	36	30	44
Sea Tac	117	13	13	12	4	13	5	11	13	8	10	9	6
Seattle	5,082	524	426	429	447	440	366	405	408	376	415	417	429
Shoreline	291	22	30	28	30	22	22	14	31	18	22	22	30
Kitsap	1,598	177	139	123	128	134	112	141	111	123	151	149	110
Bainbridge Island	148	21	19	11	5	8	11	10	7	17	16	12	11
Bremerton	477	65	34	36	40	37	30	39	29	40	38	52	37

Table 28. Deaths by Month of Death by Place of Residence, 1997

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Kittitas	240	25	25	20	25	22	18	12	12	22	22	18	19
Klickitat	139	17	12	10	8	10	18	13	11	10	9	9	12
Lewis	709	71	49	69	60	46	54	58	50	65	64	61	62
Lincoln	96	3	6	11	4	15	9	5	10	4	10	9	10
Mason	447	47	39	37	31	33	34	32	44	34	43	30	43
Okanogan	364	40	24	23	30	24	33	22	31	31	23	35	48
Pacific	260	23	22	29	26	19	18	12	22	21	32	15	21
Pend Oreille	115	9	6	5	10	15	11	19	10	11	8	5	6
Pierce	4,717	448	392	399	412	397	363	361	354	343	404	396	448
Lakewood	320	36	23	28	24	28	26	26	23	22	26	29	29
Puyallup	292	30	23	29	25	27	17	27	21	23	18	30	22
Tacoma	1,859	192	159	152	165	154	148	138	138	131	154	149	179
University Place	191	11	17	16	13	11	20	9	20	17	16	21	20
San Juan	99	6	12	6	10	12	8	2	9	11	10	8	5
Skagit	863	95	63	69	58	84	72	79	67	66	71	70	69
Mount Vernon	220	28	11	18	9	27	22	15	12	20	18	21	19
Skamania	69	4	6	7	4	2	3	5	7	4	11	5	11
Snohomish	3,440	337	277	296	302	277	252	284	274	260	297	291	293
Edmonds	366	35	21	33	41	30	23	25	31	26	35	24	42
Everett	789	77	56	81	79	55	70	55	63	52	67	72	62
Lynnwood	317	31	34	22	29	28	22	32	19	27	24	24	25
Marysville	234	31	16	25	22	21	16	14	18	18	19	19	15
Mountlake Terrace	99	9	8	5	3	9	11	5	10	12	10	4	13
Mukilteo	53	7	3	3	6	2	5	9	5	2	3	3	5
Spokane	3,512	345	306	301	286	305	261	310	271	258	282	283	304
Spokane (City)	2,173	237	183	194	160	205	165	191	155	155	165	179	184
Stevens	298	30	21	37	26	22	25	14	22	20	28	20	33
Thurston	1,425	167	115	130	98	106	112	130	104	108	121	120	114
Lacey	257	30	19	21	12	18	22	27	24	25	22	17	20
Olympia	456	50	45	34	34	39	39	28	37	38	33	44	35
Wahkiakum	42	4	4	4	2	1	5	3	5	1	7	3	3
Walla Walla	500	43	37	52	37	40	31	34	44	40	45	54	43
Walla Walla (City)	324	30	26	35	27	26	22	19	29	25	26	33	26
Whatcom	1,101	110	87	90	95	91	87	91	78	73	108	82	109
Bellingham	626	71	58	46	55	49	49	53	44	34	61	47	59
Whitman	220	23	24	22	16	17	17	11	22	19	10	13	26
Pullman	61	11	6	5	2	5	3	2	9	6	4	3	5
Yakima	1,703	177	130	152	131	148	127	130	149	109	145	139	166
Yakima (City)	755	80	65	62	60	69	57	60	63	43	55	62	79

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Table 29a. Deaths by Selected Disease Conditions by Place of Residence, 1997

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	732	13.1	1,110	19.8	101	1.8	11,108	198.1	3,375	60.2
Adams	2	—*	9	57.0	0	—*	30	189.9	10	63.3
Asotin	2	—*	7	35.5	0	—*	41	208.1	25	126.9
Benton	12	8.9	21	15.7	0	—*	255	190.2	60	44.7
Kennewick	7	14.3	10	20.4	0	—*	124	252.6	23	46.9
Richland	4	—*	6	16.4	0	—*	77	210.7	22	60.2
Chelan	9	14.5	20	32.2	0	—*	162	260.5	53	85.2
Wenatchee	2	—*	12	47.7	0	—*	87	345.8	31	123.2
Clallam	6	9.0	18	27.1	1	—*	220	331.3	65	97.9
Port Angeles	3	—*	6	31.8	0	—*	68	360.0	29	153.5
Clark	41	12.9	61	19.3	9	2.8	548	173.0	165	52.1
Vancouver	27	21.1	38	29.7	6	4.7	305	238.5	99	77.4
Columbia	1	—*	3	—*	0	—*	14	333.3	5	119.0
Cowlitz	10	10.9	19	20.7	3	—*	278	302.2	55	59.8
Longview	3	—*	6	17.8	1	—*	125	371.8	29	86.3
Douglas	4	—*	7	22.7	1	—*	54	175.3	13	42.2
Ferry	1	—*	1	—*	0	—*	18	246.6	8	109.6
Franklin	5	11.4	7	15.9	0	—*	76	173.1	29	66.1
Pasco	4	—*	5	19.8	0	—*	54	213.4	22	87.0
Garfield	0	—*	1	—*	0	—*	6	250.0	4	—*
Grant	11	16.1	12	17.6	2	—*	146	213.8	36	52.7
Grays Harbor	11	16.1	15	22.0	2	—*	230	336.7	54	79.1
Aberdeen	3	—*	3	—*	1	—*	69	413.4	17	101.9
Island	9	12.6	24	33.5	0	—*	148	206.7	29	40.5
Oak Harbor	0	—*	8	39.6	0	—*	36	178.3	7	34.7
Jefferson	2	—*	4	—*	2	—*	70	266.2	27	102.7
King	264	16.0	300	18.2	16	1.0	2,911	176.8	917	55.7
Auburn	7	19.1	13	35.4	1	—*	78	212.4	26	70.8
Bellevue	16	15.3	12	11.5	1	—*	168	160.3	45	42.9
Burien	2	—*	5	17.9	0	—*	38	136.1	11	39.4
Des Moines	3	—*	4	—*	1	—*	68	251.6	26	96.2
Federal Way	8	10.5	18	23.7	0	—*	109	143.5	29	38.2
Kent	10	16.1	10	16.1	0	—*	90	145.1	29	46.8
Kirkland	9	20.6	7	16.0	1	—*	78	178.4	32	73.2
Mercer Island	0	—*	1	—*	0	—*	51	236.7	13	60.3
Redmond	4	—*	2	—*	0	—*	55	130.2	26	61.6
Renton	8	17.4	19	41.4	0	—*	116	252.6	39	84.9
Sea Tac	4	—*	7	30.0	1	—*	27	115.8	9	38.6
Seattle	156	29.1	141	26.3	6	1.1	1,338	249.3	441	82.2
Shoreline	5	9.9	7	13.9	0	—*	72	142.9	18	35.7
Kitsap	19	8.3	46	20.1	6	2.6	418	182.2	108	47.1
Bainbridge Island	2	—*	5	26.4	0	—*	34	179.7	13	68.7
Bremerton	7	18.1	12	31.1	2	—*	124	321.2	25	64.8

Table 29a. Deaths by Selected Disease Conditions by Place of Residence, 1997

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
Kittitas	4	—*	6	19.0	1	—*	56	177.8	24	76.2
Klickitat	2	—*	1	—*	0	—*	36	189.5	5	26.3
Lewis	6	8.8	21	30.7	2	—*	232	339.7	79	115.7
Lincoln	3	—*	3	—*	0	—*	34	346.9	6	61.2
Mason	8	16.7	7	14.6	1	—*	99	206.7	28	58.5
Okanogan	9	23.4	10	26.0	2	—*	80	208.3	26	67.7
Pacific	2	—*	10	46.9	2	—*	70	328.6	17	79.8
Pend Oreille	1	—*	4	—*	0	—*	34	303.6	7	62.5
Pierce	87	12.9	114	16.9	11	1.6	1,356	201.1	379	56.2
Lakewood	6	9.6	9	14.5	1	—*	87	139.8	20	32.1
Puyallup	2	—*	2	—*	0	—*	83	281.5	24	81.4
Tacoma	56	30.2	40	21.6	5	2.7	548	295.3	166	89.4
University Place	3	—*	6	20.6	1	—*	59	202.3	11	37.7
San Juan	4	—*	3	—*	0	—*	24	192.0	8	64.0
Skagit	16	16.5	26	26.8	1	—*	205	211.6	72	74.3
Mount Vernon	7	31.4	7	31.4	0	—*	48	215.4	19	85.3
Skamania	1	—*	1	—*	0	—*	17	171.7	5	50.5
Snohomish	60	10.9	86	15.6	14	2.5	925	167.8	276	50.1
Edmonds	9	25.4	8	22.6	1	—*	91	256.6	31	87.4
Everett	7	8.3	13	15.5	2	—*	233	277.0	70	83.2
Lynnwood	8	24.2	7	21.2	0	—*	86	260.1	19	57.5
Marysville	1	—*	7	37.3	2	—*	73	388.9	22	117.2
Mountlake Terrace	2	—*	5	24.6	1	—*	39	191.6	7	34.4
Mukilteo	1	—*	2	—*	0	—*	11	69.2	3	—*
Spokane	43	10.5	83	20.2	10	2.4	940	229.3	270	65.9
Spokane (City)	27	14.3	49	26.0	5	2.7	593	314.9	179	95.1
Stevens	6	16.0	11	29.4	0	—*	77	205.9	25	66.8
Thurston	17	8.6	38	19.2	6	3.0	417	211.0	117	59.2
Lacey	5	18.1	5	18.1	0	—*	85	308.3	29	105.2
Olympia	7	18.1	11	28.5	1	—*	128	331.2	33	85.4
Wahkiakum	0	—*	5	128.2	0	—*	12	307.7	3	—*
Walla Walla	8	14.8	11	20.4	0	—*	118	218.5	65	120.4
Walla Walla (City)	5	17.2	8	27.5	0	—*	70	240.5	45	154.6
Whatcom	19	12.2	23	14.7	4	—*	254	162.6	127	81.3
Bellingham	8	13.1	10	16.3	1	—*	150	244.9	74	120.8
Whitman	1	—*	7	17.0	0	—*	78	189.3	15	36.4
Pullman	1	—*	2	—*	0	—*	15	60.1	7	28.0
Yakima	26	12.5	65	31.1	5	2.4	419	200.8	158	75.7
Yakima (City)	8	12.6	24	37.8	1	—*	173	272.4	76	119.7

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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 390-398, 402, 404-429); Cerebrovascular Disease (ICD 430-438)

*Rate not calculated because number of deaths was less than 5.

Table 29b. Deaths by Selected Disease Conditions by Place of Residence, 1997

County and City	General Arteriosclerosis		Pneumonia and Influenza		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	339	6.0	1,646	29.4	2,347	41.9	511	9.1	226	4.0
Adams	0	--*	3	--*	4	--*	0	--*	1	--*
Asotin	4	--*	3	--*	16	81.2	1	--*	4	--*
Benton	2	--*	20	14.9	34	25.4	7	5.2	3	--*
Kennewick	1	--*	8	16.3	13	26.5	6	12.2	2	--*
Richland	1	--*	7	19.2	11	30.1	0	--*	1	--*
Chelan	1	--*	28	45.0	20	32.2	7	11.3	0	--*
Wenatchee	1	--*	18	71.5	6	23.8	4	--*	0	--*
Clallam	3	--*	35	52.7	51	76.8	8	12.0	7	10.5
Port Angeles	2	--*	9	47.6	20	105.9	3	--*	1	--*
Clark	1	--*	104	32.8	119	37.6	21	6.6	11	3.5
Vancouver	1	--*	66	51.6	66	51.6	13	10.2	6	4.7
Columbia	0	--*	1	--*	2	--*	0	--*	0	--*
Cowlitz	9	9.8	37	40.2	56	60.9	8	8.7	4	--*
Longview	3	--*	18	53.5	22	65.4	4	--*	2	--*
Douglas	1	--*	5	16.2	15	48.7	4	--*	2	--*
Ferry	0	--*	3	--*	3	--*	3	--*	1	--*
Franklin	1	--*	4	--*	14	31.9	2	--*	2	--*
Pasco	1	--*	2	--*	12	47.4	1	--*	2	--*
Garfield	0	--*	2	--*	0	--*	0	--*	0	--*
Grant	0	--*	10	14.6	29	42.5	3	--*	5	7.3
Grays Harbor	6	8.8	44	64.4	42	61.5	20	29.3	3	--*
Aberdeen	1	--*	10	59.9	7	41.9	8	47.9	1	--*
Island	0	--*	12	16.8	26	36.3	3	--*	1	--*
Oak Harbor	0	--*	2	--*	2	--*	0	--*	0	--*
Jefferson	0	--*	10	38.0	12	45.6	2	--*	2	--*
King	74	4.5	489	29.7	581	35.3	135	8.2	69	4.2
Auburn	0	--*	16	43.6	23	62.6	4	10.9	2	--*
Bellevue	6	5.7	34	32.4	31	29.6	7	6.7	4	--*
Burien	2	--*	6	21.5	5	17.9	1	--*	0	--*
Des Moines	5	18.5	6	22.2	12	44.4	1	--*	1	--*
Federal Way	3	--*	12	15.8	11	14.5	5	6.6	2	--*
Kent	3	--*	13	21.0	18	29.0	4	--*	4	--*
Kirkland	1	--*	15	34.3	13	29.7	5	--*	1	--*
Mercer Island	0	--*	14	65.0	7	32.5	1	--*	0	--*
Redmond	2	--*	15	35.5	14	33.2	3	--*	0	--*
Renton	3	--*	14	30.5	17	37.0	7	15.2	2	--*
Sea Tac	4	--*	1	--*	4	--*	3	--*	0	--*
Seattle	27	5.0	219	40.8	272	50.7	66	12.3	38	7.1
Shoreline	1	--*	16	31.8	14	27.8	3	--*	2	--*
Kitsap	8	3.5	52	22.7	101	44.0	18	7.8	6	2.6
Bainbridge Island	0	--*	9	47.6	11	58.1	2	--*	1	--*
Bremerton	4	--*	15	38.9	28	72.5	7	18.1	3	--*

Table 29b. Deaths by Selected Disease Conditions by Place of Residence, 1997

County and City	General Arteriosclerosis		Pneumonia and Influenza		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
Kittitas	1	--*	7	22.2	17	54.0	8	25.4	0	--*
Klickitat	0	--*	10	52.6	9	47.4	4	--*	2	--*
Lewis	3	--*	28	41.0	32	46.9	10	14.6	5	7.3
Lincoln	2	--*	2	--*	5	51.0	3	--*	0	--*
Mason	2	--*	22	45.9	28	58.5	7	14.6	3	--*
Okanogan	1	--*	22	57.3	24	62.5	8	20.8	2	--*
Pacific	1	--*	13	61.0	16	75.1	6	28.2	0	--*
Pend Oreille	1	--*	6	53.6	5	44.6	1	--*	0	--*
Pierce	86	12.8	135	20.0	289	42.9	44	6.5	18	2.7
Lakewood	1	--*	3	--*	17	27.3	2	--*	3	--*
Puyallup	12	40.7	7	23.7	13	44.1	3	--*	3	--*
Tacoma	39	21.0	56	30.2	110	59.3	16	8.6	5	2.7
University Place	2	--*	6	20.6	5	17.1	0	--*	0	--*
San Juan	1	--*	5	40.0	9	72.0	2	--*	0	--*
Skagit	9	9.3	38	39.2	56	57.8	6	6.2	4	--*
Mount Vernon	3	--*	16	71.8	10	44.9	0	--*	2	--*
Skamania	1	--*	1	--*	5	50.5	1	--*	0	--*
Snohomish	12	2.2	119	21.6	202	36.6	45	8.2	16	2.9
Edmonds	2	--*	16	45.1	17	47.9	7	19.7	1	--*
Everett	4	--*	30	35.7	51	60.6	6	7.1	5	5.9
Lynnwood	0	--*	16	48.4	17	51.4	5	15.1	1	--*
Marysville	1	--*	6	32.0	14	74.6	0	--*	0	--*
Mountlake Terrace	0	--*	1	--*	7	34.4	1	--*	0	--*
Mukilteo	0	--*	0	--*	2	--*	0	--*	0	--*
Spokane	66	16.1	180	43.9	224	54.6	59	14.4	30	7.3
Spokane (City)	55	29.2	118	62.7	147	78.1	39	20.7	21	11.2
Stevens	2	--*	6	16.0	20	53.5	0	--*	2	--*
Thurston	7	3.5	50	25.3	93	47.1	19	9.6	3	--*
Lacey	1	--*	14	50.8	10	36.3	4	14.5	0	--*
Olympia	4	--*	15	38.8	35	90.6	7	18.1	0	--*
Wahkiakum	1	--*	1	--*	1	--*	0	--*	0	--*
Walla Walla	10	18.5	14	25.9	31	57.4	6	11.1	2	--*
Walla Walla (City)	8	27.5	10	34.4	19	65.3	5	17.2	0	--*
Whatcom	12	7.7	53	33.9	54	34.6	11	7.0	8	5.1
Bellingham	4	--*	38	62.1	32	52.3	4	--*	3	--*
Whitman	2	--*	5	12.1	11	26.7	3	--*	0	--*
Pullman	1	--*	3	--*	1	--*	0	--*	0	--*
Yakima	9	4.3	67	32.1	91	43.6	26	12.5	10	4.8
Yakima (City)	6	9.4	33	52.0	41	64.6	15	23.6	5	7.9

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¹Rates per 100,000 population

NOTE: Source for Selected Disease Conditions is International Classification of Diseases (Ninth Revision): General Arteriosclerosis (ICD 440); Pneumonia and Influenza (ICD 480-487); Chronic Obstructive Pulmonary Diseases (ICD 490-496); Chronic Liver Disease and Cirrhosis (ICD 571); Nephritis, Nephrotic Syndrome, Nephrosis (ICD 580-589)

*Rate not calculated because number of deaths was less than 5.

Table 30a. Deaths Due to Malignant Neoplasm by Primary Site by Place of Residence, 1997

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	10,065	179.5	170	3.0	2,284	40.7	2,968	52.9	1,112	19.8
Adams	25	158.2	0	—*	6	38.0	7	44.3	2	—*
Asotin	49	248.7	0	—*	13	66.0	11	55.8	7	35.5
Benton	232	173.0	2	—*	49	36.5	76	56.7	33	24.6
Kennewick	86	175.2	1	—*	20	40.7	31	63.1	14	28.5
Richland	74	202.5	0	—*	13	35.6	20	54.7	14	38.3
Chelan	120	192.9	2	—*	21	33.8	37	59.5	13	20.9
Wenatchee	59	234.5	1	—*	12	47.7	12	47.7	5	19.9
Clallam	193	290.7	2	—*	44	66.3	53	79.8	26	39.2
Port Angeles	62	328.2	1	—*	17	90.0	16	84.7	8	42.4
Clark	510	161.0	5	1.6	102	32.2	179	56.5	52	16.4
Vancouver	289	226.0	4	—*	68	53.2	104	81.3	25	19.5
Columbia	11	261.9	0	—*	2	—*	4	—*	1	—*
Cowlitz	198	215.2	3	—*	41	44.6	67	72.8	27	29.3
Longview	91	270.7	0	—*	20	59.5	31	92.2	11	32.7
Douglas	57	185.1	0	—*	16	51.9	17	55.2	5	16.2
Ferry	18	246.6	0	—*	4	—*	6	82.2	2	—*
Franklin	79	180.0	1	—*	16	36.4	19	43.3	15	34.2
Pasco	48	189.7	0	—*	9	35.6	14	55.3	9	35.6
Garfield	7	291.7	0	—*	1	—*	2	—*	0	0.0
Grant	121	177.2	1	—*	24	35.1	31	45.4	15	22.0
Grays Harbor	192	281.1	2	—*	40	58.6	74	108.3	20	29.3
Aberdeen	64	383.5	1	—*	13	77.9	22	131.8	10	59.9
Island	134	187.2	4	—*	32	44.7	34	47.5	15	20.9
Oak Harbor	22	109.0	1	—*	3	—*	8	39.6	1	—*
Jefferson	81	308.0	2	—*	14	53.2	27	102.7	13	49.4
King	2,803	170.3	58	3.5	670	40.7	770	46.8	303	18.4
Auburn	77	209.7	1	—*	22	59.9	24	65.4	7	19.1
Bellevue	208	198.5	10	9.5	51	48.7	46	43.9	23	21.9
Burien	27	96.7	1	—*	10	35.8	8	28.6	3	—*
Des Moines	57	210.9	1	—*	12	44.4	15	55.5	6	22.2
Federal Way	95	125.1	1	—*	21	27.6	34	44.8	12	15.8
Kent	98	158.0	2	—*	21	33.9	21	33.9	18	29.0
Kirkland	100	228.7	1	—*	23	52.6	28	64.0	7	16.0
Mercer Island	48	222.7	0	—*	5	23.2	9	41.8	10	46.4
Redmond	66	156.3	1	—*	13	30.8	12	28.4	7	16.6
Renton	126	274.4	1	—*	34	74.0	39	84.9	14	30.5
Sea Tac	32	137.2	1	—*	7	30.0	12	51.5	3	—*
Seattle	1,166	217.3	24	4.5	282	52.6	314	58.5	124	23.1
Shoreline	77	152.8	4	—*	19	37.7	22	43.7	6	11.9
Kitsap	387	168.7	9	3.9	80	34.9	116	50.6	37	16.1
Bainbridge Island	36	190.3	1	—*	10	52.9	4	—*	2	—*
Bremerton	115	297.9	0	—*	28	72.5	33	85.5	14	36.3

Table 30a. Deaths Due to Malignant Neoplasm by Primary Site by Place of Residence, 1997

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
Kittitas	62	196.8	0	—*	12	38.1	18	57.1	8	25.4
Klickitat	37	194.7	0	—*	6	31.6	7	36.8	6	31.6
Lewis	154	225.5	5	7.3	41	60.0	46	67.3	18	26.4
Lincoln	17	173.5	1	—*	5	51.0	5	51.0	2	—*
Mason	128	267.2	5	10.4	21	43.8	50	104.4	13	27.1
Okanogan	75	195.3	1	—*	19	49.5	28	72.9	5	13.0
Pacific	62	291.1	1	—*	15	70.4	28	131.5	6	28.2
Pend Oreille	29	258.9	1	—*	7	62.5	8	71.4	0	—*
Pierce	1,087	161.2	17	2.5	233	34.6	320	47.5	115	17.1
Lakewood	93	149.4	0	—*	16	25.7	34	54.6	13	20.9
Puyallup	67	227.2	2	—*	14	47.5	16	54.3	7	23.7
Tacoma	361	194.5	9	4.8	77	41.5	109	58.7	44	23.7
University Place	47	161.2	1	—*	8	27.4	9	30.9	6	20.6
San Juan	29	232.0	0	—*	5	40.0	9	72.0	2	—*
Skagit	199	205.4	3	—*	37	38.2	63	65.0	27	27.9
Mount Vernon	40	179.5	1	—*	8	35.9	13	58.3	4	18.0
Skamania	23	232.3	0	—*	8	80.8	5	50.5	3	30.3
Snohomish	869	157.7	19	3.4	214	38.8	246	44.6	102	18.5
Edmonds	98	276.3	0	—*	28	78.9	33	93.0	7	19.7
Everett	187	222.3	4	—*	54	64.2	40	47.5	28	33.3
Lynnwood	79	238.9	3	—*	26	78.6	22	66.5	7	21.2
Marysville	64	341.0	3	—*	14	74.6	24	127.9	7	37.3
Mountlake Terrace	16	78.6	1	—*	2	—*	0	—*	5	24.6
Mukilteo	24	151.0	0	—*	8	50.3	8	50.3	2	—*
Spokane	814	198.6	9	2.2	186	45.4	244	59.5	85	20.7
Spokane (City)	452	240.0	5	2.7	100	53.1	129	68.5	50	26.6
Stevens	91	243.3	0	—*	24	64.2	23	61.5	9	24.1
Thurston	336	170.0	4	—*	81	41.0	105	53.1	30	15.2
Lacey	45	163.2	0	—*	13	47.2	14	50.8	2	—*
Olympia	111	287.2	1	—*	32	82.8	29	75.0	11	28.5
Wahkiakum	7	179.5	0	—*	2	—*	2	—*	2	—*
Walla Walla	107	198.1	1	—*	30	55.6	31	57.4	8	14.8
Walla Walla (City)	71	244.0	0	—*	19	65.3	21	72.2	5	17.2
Whatcom	283	181.2	3	—*	60	38.4	71	45.5	35	22.4
Bellingham	148	241.7	2	—*	31	50.6	37	60.4	19	31.0
Whitman	49	118.9	0	—*	13	31.6	13	31.6	7	17.0
Pullman	12	48.1	0	—*	2	—*	4	—*	3	—*
Yakima	390	186.9	9	4.3	90	43.1	116	55.6	43	20.6
Yakima (City)	184	289.7	5	7.9	47	74.0	57	89.7	12	18.9

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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); Lip, Oral Cavity and Pharynx (ICD 140-149); Digestive Organs and Peritoneum (ICD 150-159); Respiratory and Intrathoracic Organs (ICD 160-165); Genital Organs (ICD 179-187)

*Rate not calculated because number of deaths was less than 5.

Table 30b. Deaths Due to Malignant Neoplasm by Primary Site by Place of Residence, 1997

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	439	7.8	212	3.8	806	14.4	1,081	19.3	993	17.7
Adams	0	--*	1	--*	2	--*	4	--*	3	--*
Asotin	1	--*	2	--*	2	--*	6	30.5	7	35.5
Benton	12	8.9	5	3.7	16	11.9	24	17.9	15	11.2
Kennewick	1	--*	2	--*	5	10.2	7	14.3	5	10.2
Richland	6	16.4	1	--*	6	16.4	10	27.4	4	--*
Chelan	5	8.0	2	--*	9	14.5	17	27.3	14	22.5
Wenatchee	3	--*	2	--*	6	23.8	10	39.7	8	31.8
Clallam	15	22.6	4	--*	12	18.1	16	24.1	21	31.6
Port Angeles	4	--*	1	--*	5	26.5	4	--*	6	31.8
Clark	12	3.8	19	6.0	42	13.3	53	16.7	46	14.5
Vancouver	4	--*	6	4.7	22	17.2	34	26.6	22	17.2
Columbia	0	--*	1	--*	0	--*	1	--*	2	--*
Cowlitz	6	6.5	3	--*	16	17.4	15	16.3	20	21.7
Longview	2	--*	2	--*	6	17.8	7	20.8	12	35.7
Douglas	3	--*	1	--*	4	--*	6	19.5	5	16.2
Ferry	1	--*	0	--*	0	--*	2	--*	3	--*
Franklin	7	15.9	2	--*	6	13.7	8	18.2	5	11.4
Pasco	4	--*	1	--*	4	--*	3	--*	4	--*
Garfield	1	--*	1	--*	0	--*	0	--*	2	--*
Grant	16	23.4	0	--*	7	10.2	16	23.4	11	16.1
Grays Harbor	14	20.5	2	--*	10	14.6	17	24.9	13	19.0
Aberdeen	2	--*	1	--*	5	30.0	7	41.9	3	--*
Island	1	--*	5	7.0	16	22.3	14	19.6	13	18.2
Oak Harbor	0	--*	1	--*	5	24.8	2	--*	1	--*
Jefferson	4	--*	2	--*	6	22.8	7	26.6	6	22.8
King	109	6.6	62	3.8	253	15.4	292	17.7	286	17.4
Auburn	6	16.3	2	--*	5	13.6	6	16.3	4	--*
Bellevue	8	7.6	4	--*	18	17.2	18	17.2	30	28.6
Burien	0	--*	1	--*	0	--*	3	--*	1	--*
Des Moines	1	--*	2	--*	7	25.9	6	22.2	7	25.9
Federal Way	2	--*	0	--*	11	14.5	7	9.2	7	9.2
Kent	4	--*	2	--*	8	12.9	8	12.9	14	22.6
Kirkland	4	--*	3	--*	13	29.7	10	22.9	11	25.2
Mercer Island	2	--*	2	--*	8	37.1	6	27.8	6	27.8
Redmond	3	--*	1	--*	10	23.7	7	16.6	12	28.4
Renton	4	--*	2	--*	11	24.0	9	19.6	12	26.1
Sea Tac	1	--*	1	--*	3	--*	2	--*	2	--*
Seattle	47	8.8	25	4.7	116	21.6	128	23.9	106	19.8
Shoreline	2	--*	1	--*	6	11.9	12	23.8	5	9.9
Kitsap	13	5.7	9	3.9	25	10.9	49	21.4	49	21.4
Bainbridge Island	2	--*	3	--*	4	--*	4	--*	6	31.7
Bremerton	3	--*	2	--*	6	15.5	13	33.7	16	41.5

Table 30b. Deaths Due to Malignant Neoplasm by Primary Site by Place of Residence, 1997

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
Kittitas	5	15.9	3	--*	2	--*	7	22.2	7	22.2
Klickitat	1	--*	1	--*	6	31.6	2	--*	8	42.1
Lewis	4	--*	2	--*	7	10.2	18	26.4	13	19.0
Lincoln	1	--*	1	--*	2	--*	0	--*	0	--*
Mason	4	--*	1	--*	9	18.8	14	29.2	11	23.0
Okanogan	2	--*	1	--*	2	--*	7	18.2	10	26.0
Pacific	2	--*	2	--*	1	--*	4	--*	3	--*
Pend Oreille	1	--*	0	--*	2	--*	5	44.6	5	44.6
Pierce	61	9.0	17	2.5	87	12.9	135	20.0	102	15.1
Lakewood	3	--*	2	--*	7	11.2	12	19.3	6	9.6
Puyallup	2	--*	2	--*	7	23.7	11	37.3	6	20.3
Tacoma	18	9.7	3	--*	31	16.7	41	22.1	29	15.6
University Place	3	--*	0	--*	8	27.4	9	30.9	3	--*
San Juan	2	--*	2	--*	3	--*	3	--*	3	--*
Skagit	7	7.2	5	5.2	17	17.5	23	23.7	17	17.5
Mount Vernon	0	--*	1	--*	3	--*	5	22.4	5	22.4
Skamania	2	--*	0	--*	2	--*	1	--*	2	--*
Snohomish	37	6.7	15	2.7	60	10.9	89	16.1	87	15.8
Edmonds	6	16.9	1	--*	5	14.1	12	33.8	6	16.9
Everett	9	10.7	1	--*	13	15.5	21	25.0	17	20.2
Lynnwood	3	--*	2	--*	7	21.2	6	18.1	3	--*
Marysville	1	--*	1	--*	3	--*	4	--*	7	37.3
Mountlake Terrace	2	--*	1	--*	2	--*	1	--*	2	--*
Mukilteo	0	--*	0	--*	1	--*	1	--*	4	--*
Spokane	28	6.8	12	2.9	70	17.1	98	23.9	82	20.0
Spokane (City)	14	7.4	7	3.7	43	22.8	49	26.0	55	29.2
Stevens	5	13.4	2	--*	9	24.1	11	29.4	8	21.4
Thurston	16	8.1	9	4.6	31	15.7	37	18.7	23	11.6
Lacey	1	--*	0	--*	5	18.1	6	21.8	4	--*
Olympia	5	12.9	4	--*	3	--*	15	38.8	11	28.5
Wahkiakum	0	--*	0	--*	1	--*	0	--*	0	--*
Walla Walla	6	11.1	2	--*	5	9.3	14	25.9	10	18.5
Walla Walla (City)	5	17.2	2	--*	3	--*	10	34.4	6	20.6
Whatcom	10	6.4	8	5.1	29	18.6	30	19.2	37	23.7
Bellingham	5	8.2	2	--*	13	21.2	18	29.4	21	34.3
Whitman	1	--*	1	--*	5	12.1	5	12.1	4	--*
Pullman	0	--*	0	--*	0	--*	2	--*	1	--*
Yakima	24	11.5	7	3.4	30	14.4	31	14.9	40	19.2
Yakima (City)	11	17.3	4	--*	12	18.9	18	28.3	18	28.3

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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); Skin (ICD 172-173); Breast (ICD 174-175); Lymphatic and Hematopoietic Tissue (ICD 200-208); Other and Unspecified (ICD 170-171, 190-199)

*Rate not calculated because number of deaths was less than 5.

**Table 31. Deaths Due to Human Immunodeficiency Virus by Sex
by Place of Residence, 1997**

County and City	Total		Male	Female
	Number	Rate ¹		
State Total	176	3.1	158	18
Adams	0	—*	0	0
Asotin	0	—*	0	0
Benton	0	—*	0	0
Kennewick	0	—*	0	0
Richland	0	—*	0	0
Chelan	0	—*	0	0
Wenatchee	0	—*	0	0
Clallam	0	—*	0	0
Port Angeles	0	—*	0	0
Clark	14	4.4	10	4
Vancouver	9	7.0	5	4
Columbia	0	—*	0	0
Cowlitz	1	—*	1	0
Longview	1	—*	1	0
Douglas	1	—*	1	0
Ferry	0	—*	0	0
Franklin	1	—*	1	0
Pasco	1	—*	1	0
Garfield	0	—*	0	0
Grant	0	—*	0	0
Grays Harbor	1	—*	1	0
Aberdeen	0	—*	0	0
Island	2	—*	2	0
Oak Harbor	0	—*	0	0
Jefferson	1	—*	1	0
King	89	5.4	81	8
Auburn	1	—*	1	0
Bellevue	2	—*	2	0
Burien	1	—*	0	1
Des Moines	0	—*	0	0
Federal Way	1	—*	1	0
Kent	1	—*	1	0
Kirkland	0	—*	0	0
Mercer Island	0	—*	0	0
Redmond	0	—*	0	0
Renton	2	—*	1	1
Sea Tac	2	—*	2	0
Seattle	73	13.6	68	5
Shoreline	1	—*	0	1
Kitsap	4	—*	4	0
Bainbridge Island	1	—*	1	0
Bremerton	0	—*	0	0

**Table 31. Deaths Due to Human Immunodeficiency Virus by Sex
by Place of Residence, 1997**

County and City	Total		Male	Female
	Number	Rate ¹		
Kittitas	1	—*	1	0
Klickitat	0	—*	0	0
Lewis	0	—*	0	0
Lincoln	2	—*	2	0
Mason	0	—*	0	0
Okanogan	0	—*	0	0
Pacific	0	—*	0	0
Pend Oreille	0	—*	0	0
Pierce	27	4.0	23	4
Lakewood	0	—*	0	0
Puyallup	0	—*	0	0
Tacoma	21	11.3	18	3
University Place	0	—*	0	0
San Juan	0	—*	0	0
Skagit	1	—*	1	0
Mount Vernon	0	—*	0	0
Skamania	0	—*	0	0
Snohomish	14	2.5	12	2
Edmonds	3	—*	2	1
Everett	0	—*	0	0
Lynnwood	3	—*	3	0
Marysville	0	—*	0	0
Mountlake Terrace	0	—*	0	0
Mukilteo	1	—*	1	0
Spokane	4	—*	4	0
Spokane (City)	3	—*	3	0
Stevens	1	—*	1	0
Thurston	2	—*	2	0
Lacey	1	—*	1	0
Olympia	1	—*	1	0
Wahkiakum	0	—*	0	0
Walla Walla	0	—*	0	0
Walla Walla (City)	0	—*	0	0
Whatcom	5	3.2	5	0
Bellingham	5	8.2	5	0
Whitman	0	—*	0	0
Pullman	0	—*	0	0
Yakima	5	2.4	5	0
Yakima (City)	3	—*	3	0

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¹Rates per 100,000 population

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

*Rate not calculated because number of deaths was less than 5.

Table 32. Deaths by Selected Accidents by Place of Residence, 1997

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		Other Accidents	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
State Total	1,902	33.9	755	13.5	360	6.4	120	2.1	39	0.7	628	11.2
Adams	2	--*	2	--*	0	--*	0	--*	0	--*	0	--*
Asotin	15	76.1	5	25.4	3	--*	2	--*	0	--*	5	25.4
Benton	41	30.6	18	13.4	12	8.9	1	--*	0	--*	10	7.5
Kennewick	19	38.7	10	20.4	4	--*	0	--*	0	--*	5	10.2
Richland	12	32.8	4	--*	5	13.7	0	--*	0	--*	3	--*
Chelan	24	38.6	14	22.5	8	12.9	0	--*	0	--*	2	--*
Wenatchee	11	43.7	7	27.8	3	--*	0	--*	0	--*	1	--*
Clallam	32	48.2	12	18.1	4	--*	3	--*	3	--*	10	15.1
Port Angeles	8	42.4	3	--*	2	--*	0	--*	1	--*	2	--*
Clark	96	30.3	36	11.4	11	3.5	8	2.5	1	--*	40	12.6
Vancouver	55	43.0	17	13.3	8	6.3	4	--*	0	--*	26	20.3
Columbia	4	--*	4	--*	0	--*	0	--*	0	--*	0	--*
Cowlitz	47	51.1	24	26.1	9	9.8	0	--*	1	--*	13	14.1
Longview	12	35.7	4	--*	3	--*	0	--*	0	--*	5	14.9
Douglas	19	61.7	11	35.7	1	--*	0	--*	0	--*	7	22.7
Ferry	2	--*	1	--*	1	--*	0	--*	0	--*	0	--*
Franklin	15	34.2	8	18.2	3	--*	1	--*	0	--*	3	--*
Pasco	8	31.6	4	--*	3	--*	0	--*	0	--*	1	--*
Garfield	3	--*	2	--*	0	--*	0	--*	0	--*	1	--*
Grant	32	46.9	20	29.3	2	--*	3	--*	1	--*	6	8.8
Grays Harbor	39	57.1	20	29.3	9	13.2	0	--*	1	--*	9	13.2
Aberdeen	10	59.9	2	--*	3	--*	0	--*	0	--*	5	30.0
Island	27	37.7	10	14.0	0	--*	4	--*	0	--*	13	18.2
Oak Harbor	8	39.6	4	--*	0	--*	2	--*	0	--*	2	--*
Jefferson	8	30.4	5	19.0	1	--*	0	--*	0	--*	2	--*
King	494	30.0	153	9.3	109	6.6	32	1.9	11	0.7	189	11.5
Auburn	9	24.5	4	--*	1	--*	1	--*	0	--*	3	--*
Bellevue	26	24.8	6	5.7	11	10.5	2	--*	0	--*	7	6.7
Burien	4	--*	0	--*	1	--*	0	--*	0	--*	3	--*
Des Moines	11	40.7	3	--*	1	--*	1	--*	1	--*	5	18.5
Federal Way	15	19.7	5	6.6	2	--*	1	--*	0	--*	7	9.2
Kent	14	22.6	6	9.7	3	--*	2	--*	0	--*	3	--*
Kirkland	7	16.0	2	--*	1	--*	2	--*	1	--*	1	--*
Mercer Island	5	23.2	1	--*	2	--*	0	--*	0	--*	2	--*
Redmond	3	--*	2	--*	1	--*	0	--*	0	--*	0	--*
Renton	24	52.3	16	34.8	0	--*	2	--*	0	--*	6	13.1
Sea Tac	0	--*	0	--*	0	--*	0	--*	0	--*	0	--*
Seattle	231	43.0	52	9.7	52	9.7	12	2.2	6	1.1	109	20.3
Shoreline	9	17.9	5	9.9	2	--*	0	--*	0	--*	2	--*
Kitsap	70	30.5	24	10.5	20	8.7	1	--*	5	2.2	20	8.7
Bainbridge Island	6	31.7	1	--*	0	--*	0	--*	0	--*	5	26.4
Bremerton	24	62.2	7	18.1	8	20.7	0	--*	5	13.0	4	--*

Table 32. Deaths by Selected Accidents by Place of Residence, 1997

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		Other Accidents	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Kittitas	10	31.7	4	—*	4	—*	0	—*	0	—*	2	—*
Klickitat	11	57.9	5	26.3	2	—*	2	—*	1	—*	1	—*
Lewis	31	45.4	13	19.0	5	7.3	1	—*	0	—*	12	17.6
Lincoln	2	—*	0	—*	1	—*	0	—*	0	—*	1	—*
Mason	21	43.8	9	18.8	4	—*	0	—*	0	—*	8	16.7
Okanogan	27	70.3	12	31.3	5	13.0	2	—*	0	—*	8	20.8
Pacific	10	46.9	4	—*	2	—*	0	—*	0	—*	4	—*
Pend Oreille	7	62.5	5	44.6	0	—*	1	—*	1	—*	0	—*
Pierce	182	27.0	83	12.3	31	4.6	15	2.2	3	—*	50	7.4
Lakewood	11	17.7	1	—*	3	—*	1	—*	0	—*	6	9.6
Puyallup	17	57.6	8	27.1	2	—*	3	—*	0	—*	4	—*
Tacoma	60	32.3	25	13.5	10	5.4	4	—*	2	—*	19	10.2
University Place	9	30.9	2	—*	2	—*	3	—*	0	—*	2	—*
San Juan	5	40.0	1	—*	1	—*	0	—*	0	—*	3	—*
Skagit	60	61.9	28	28.9	12	12.4	1	—*	1	—*	18	18.6
Mount Vernon	22	98.7	11	49.4	5	22.4	0	—*	0	—*	6	26.9
Skamania	2	—*	1	—*	0	—*	0	—*	0	—*	1	—*
Snohomish	158	28.7	64	11.6	23	4.2	15	2.7	3	—*	53	9.6
Edmonds	7	19.7	2	—*	2	—*	0	—*	0	—*	3	—*
Everett	33	39.2	10	11.9	5	5.9	5	5.9	2	—*	11	13.1
Lynnwood	14	42.3	6	18.1	2	—*	0	—*	0	—*	6	18.1
Marysville	12	63.9	5	26.6	4	—*	1	—*	0	—*	2	—*
Mountlake Terrace	6	29.5	4	—*	0	—*	0	—*	0	—*	2	—*
Mukilteo	1	—*	0	—*	0	—*	0	—*	0	—*	1	—*
Spokane	122	29.8	46	11.2	33	8.1	7	1.7	4	—*	32	7.8
Spokane (City)	72	38.2	23	12.2	19	10.1	5	2.7	4	—*	21	11.2
Stevens	15	40.1	5	13.4	2	—*	1	—*	1	—*	6	16.0
Thurston	62	31.4	23	11.6	17	8.6	5	2.5	0	—*	17	8.6
Lacey	12	43.5	5	18.1	5	18.1	0	—*	0	—*	2	—*
Olympia	18	46.6	4	—*	5	12.9	3	—*	0	—*	6	15.5
Wahkiakum	2	—*	0	—*	0	—*	2	—*	0	—*	0	—*
Walla Walla	25	46.3	10	18.5	2	—*	2	—*	0	—*	11	20.4
Walla Walla (City)	12	41.2	6	20.6	1	—*	0	—*	0	—*	5	17.2
Whatcom	52	33.3	15	9.6	8	5.1	1	—*	0	—*	28	17.9
Bellingham	29	47.4	1	—*	8	13.1	0	—*	0	—*	20	32.7
Whitman	14	34.0	8	19.4	1	—*	0	—*	0	—*	5	12.1
Pullman	4	—*	2	—*	0	—*	0	—*	0	—*	2	—*
Yakima	114	54.6	50	24.0	14	6.7	10	4.8	2	1.0	38	18.2
Yakima (City)	40	63.0	9	14.2	8	12.6	3	—*	0	0.0	20	31.5

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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); Falls (ICD E880-E888);

Drownings (ICD E830, E832, E910); Fires (ICD E890-E899);

Other Accidents (ICD E800-E809, E826-E829, E831, E833-E879, E900-E909, E911-E949)

*Rate not calculated because number of deaths was less than 5.

Table 33. Deaths by External Causes by Place of Residence, 1997

County and City	Suicide		Homicide		Undetermined	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	728	13.0	258	4.6	99	1.8
Adams	1	--*	0	--*	0	--*
Asotin	6	30.5	1	--*	0	--*
Benton	16	11.9	4	--*	2	--*
Kennewick	5	10.2	3	--*	1	--*
Richland	7	19.2	0	--*	0	--*
Chelan	11	17.7	4	--*	1	--*
Wenatchee	4	--*	1	--*	0	--*
Clallam	6	9.0	4	--*	4	--*
Port Angeles	0	--*	3	--*	1	--*
Clark	39	12.3	18	5.7	7	2.2
Vancouver	25	19.5	13	10.2	4	--*
Columbia	2	--*	0	--*	0	--*
Cowlitz	11	12.0	2	--*	0	--*
Longview	5	14.9	0	--*	0	--*
Douglas	6	19.5	2	--*	0	--*
Ferry	3	--*	1	--*	1	--*
Franklin	4	--*	3	--*	1	--*
Pasco	3	--*	3	--*	1	--*
Garfield	0	--*	0	--*	0	--*
Grant	11	16.1	3	--*	0	--*
Grays Harbor	15	22.0	5	7.3	0	--*
Aberdeen	2	--*	3	--*	0	--*
Island	8	11.2	2	--*	0	--*
Oak Harbor	2	--*	1	--*	0	--*
Jefferson	2	--*	0	--*	1	--*
King	169	10.3	77	4.7	25	1.5
Auburn	5	13.6	1	--*	0	--*
Bellevue	7	6.7	8	7.6	1	--*
Burien	4	--*	1	--*	0	--*
Des Moines	0	--*	2	--*	1	--*
Federal Way	11	14.5	1	--*	2	--*
Kent	13	21.0	5	8.1	2	--*
Kirkland	2	--*	0	--*	0	--*
Mercer Island	0	--*	0	--*	0	--*
Redmond	2	--*	3	--*	0	--*
Renton	6	13.1	2	--*	4	--*
Sea Tac	2	--*	3	--*	0	--*
Seattle	65	12.1	39	7.3	12	2.2
Shoreline	4	--*	2	--*	1	--*
Kitsap	32	13.9	6	2.6	8	3.5
Bainbridge Island	1	--*	0	--*	0	--*
Bremerton	7	18.1	2	--*	3	--*

Table 33. Deaths by External Causes by Place of Residence, 1997

County and City	Suicide		Homicide		Undetermined	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Kittitas	3	--*	0	--*	0	--*
Klickitat	2	--*	1	--*	0	--*
Lewis	6	8.8	1	--*	1	--*
Lincoln	0	--*	0	--*	0	--*
Mason	11	23.0	2	--*	2	--*
Okanogan	7	18.2	1	--*	1	--*
Pacific	2	--*	1	--*	1	--*
Pend Oreille	0	--*	0	--*	0	--*
Pierce	104	15.4	46	6.8	36	5.3
Lakewood	7	11.2	5	8.0	4	--*
Puyallup	1	--*	0	--*	3	--*
Tacoma	35	18.9	26	14.0	23	12.4
University Place	5	17.1	2	--*	0	--*
San Juan	2	--*	0	--*	0	--*
Skagit	18	18.6	2	--*	2	--*
Mount Vernon	7	31.4	1	--*	0	--*
Skamania	1	--*	0	--*	0	--*
Snohomish	68	12.3	23	4.2	1	--*
Edmonds	1	--*	1	--*	0	--*
Everett	11	13.1	4	--*	1	--*
Lynnwood	8	24.2	1	--*	0	--*
Marysville	3	--*	1	--*	0	--*
Mountlake Terrace	4	--*	0	--*	0	--*
Mukilteo	2	--*	0	--*	0	--*
Spokane	58	14.1	20	4.9	1	--*
Spokane (City)	32	17.0	15	8.0	1	--*
Stevens	6	16.0	1	--*	0	--*
Thurston	33	16.7	3	--*	1	--*
Lacey	3	--*	0	--*	0	--*
Olympia	8	20.7	1	--*	1	--*
Wahkiakum	2	--*	1	--*	0	--*
Walla Walla	4	--*	3	--*	1	--*
Walla Walla (City)	3	--*	1	--*	0	--*
Whatcom	17	10.9	3	--*	1	--*
Bellingham	7	11.4	3	--*	1	--*
Whitman	5	12.1	0	--*	0	--*
Pullman	3	--*	0	--*	0	--*
Yakima	37	17.7	18	8.6	1	--*
Yakima (City)	15	23.6	4	--*	1	--*

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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)

*Rate not calculated because number of deaths was less than 5.

**Table 34. Deaths Due to Human Immunodeficiency Virus by Sex
by Place of Occurrence, 1997**

County and City	Total		Male	Female
	Number	Rate ¹		
State Total	176	3.1	159	17
Adams	0	--*	0	0
Asotin	0	--*	0	0
Benton	1	--*	1	0
Kennewick	1	--*	1	0
Richland	0	--*	0	0
Chelan	0	--*	0	0
Wenatchee	0	--*	0	0
Clallam	0	--*	0	0
Port Angeles	0	--*	0	0
Clark	14	4.4	10	4
Vancouver	13	10.2	9	4
Columbia	0	--*	0	0
Cowlitz	2	--*	2	0
Longview	2	--*	2	0
Douglas	0	--*	0	0
Ferry	0	--*	0	0
Franklin	0	--*	0	0
Pasco	0	--*	0	0
Garfield	0	--*	0	0
Grant	0	--*	0	0
Grays Harbor	0	--*	0	0
Aberdeen	0	--*	0	0
Island	0	--*	0	0
Oak Harbor	0	--*	0	0
Jefferson	0	--*	0	0
King	104	6.3	93	11
Auburn	1	--*	1	0
Bellevue	2	--*	2	0
Burien	0	--*	0	0
Des Moines	0	--*	0	0
Federal Way	0	--*	0	0
Kent	0	--*	0	0
Kirkland	1	--*	0	1
Mercer Island	0	--*	0	0
Redmond	1	--*	1	0
Renton	1	--*	1	0
Sea Tac	0	--*	0	0
Seattle	97	18.1	88	9
Shoreline	1	--*	0	1
Kitsap	4	--*	4	0
Bainbridge Island	1	--*	1	0
Bremerton	1	--*	1	0

**Table 34. Deaths Due to Human Immunodeficiency Virus by Sex
by Place of Occurrence, 1997**

County and City	Total		Male	Female
	Number	Rate ¹		
Kittitas	0	—*	0	0
Klickitat	0	—*	0	0
Lewis	0	—*	0	0
Lincoln	1	—*	1	0
Mason	1	—*	1	0
Okanogan	0	—*	0	0
Pacific	0	—*	0	0
Pend Oreille	0	—*	0	0
Pierce	22	3.3	20	2
Lakewood	0	—*	0	0
Puyallup	2	—*	2	0
Tacoma	19	10.2	17	2
University Place	0	—*	0	0
San Juan	0	—*	0	0
Skagit	1	—*	1	0
Mount Vernon	0	—*	0	0
Skamania	0	—*	0	0
Snohomish	7	1.3	7	0
Edmonds	2	—*	2	0
Everett	2	—*	2	0
Lynnwood	1	—*	1	0
Marysville	0	—*	0	0
Mountlake Terrace	0	—*	0	0
Mukilteo	1	—*	1	0
Spokane	6	1.5	6	0
Spokane (City)	6	3.2	6	0
Stevens	1	—*	1	0
Thurston	2	—*	2	0
Lacey	0	—*	0	0
Olympia	2	—*	2	0
Wahkiakum	0	—*	0	0
Walla Walla	0	—*	0	0
Walla Walla (City)	0	—*	0	0
Whatcom	5	3.2	5	0
Bellingham	4	—*	4	0
Whitman	0	—*	0	0
Pullman	0	—*	0	0
Yakima	5	2.4	5	0
Yakima (City)	4	—*	4	0

DEAA23P2

¹Rates per 100,000 population

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

*Rate not calculated because number of deaths was less than 5.

Table 35. Deaths by Selected Accidents by Place of Occurrence, 1997

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		Other Accidents	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
State Total	1,873	33.4	717	12.8	367	6.5	122	2.2	41	0.7	626	11.2
Adams	7	44.3	7	44.3	0	--*	0	--*	0	--*	0	--*
Asotin	6	30.5	3	--*	1	--*	0	--*	0	--*	2	--*
Benton	30	22.4	10	7.5	9	6.7	3	--*	0	--*	8	6.0
Kennewick	13	26.5	5	10.2	3	--*	1	--*	0	--*	4	--*
Richland	7	19.2	0	--*	5	13.7	0	--*	0	--*	2	--*
Chelan	28	45.0	16	25.7	8	12.9	0	--*	0	--*	4	--*
Wenatchee	15	59.6	6	23.8	6	23.8	0	--*	0	--*	3	--*
Clallam	34	51.2	13	19.6	5	7.5	5	7.5	1	--*	10	15.1
Port Angeles	10	52.9	5	26.5	3	--*	0	--*	0	--*	2	--*
Clark	76	24.0	21	6.6	10	3.2	6	1.9	1	--*	38	12.0
Vancouver	60	46.9	13	10.2	9	7.0	2	--*	0	--*	36	28.1
Columbia	4	--*	2	--*	0	--*	1	--*	0	--*	1	--*
Cowlitz	40	43.5	16	17.4	9	9.8	1	--*	1	--*	13	14.1
Longview	27	80.3	7	20.8	9	26.8	0	--*	0	--*	11	32.7
Douglas	8	26.0	6	19.5	1	--*	0	--*	0	--*	1	--*
Ferry	5	68.5	5	68.5	0	--*	0	--*	0	--*	0	--*
Franklin	22	50.1	13	29.6	3	--*	1	--*	0	--*	5	11.4
Pasco	15	59.3	7	27.7	3	--*	1	--*	0	--*	4	--*
Garfield	0	--*	0	--*	0	--*	0	--*	0	--*	0	--*
Grant	43	63.0	30	43.9	1	--*	3	--*	1	--*	8	11.7
Grays Harbor	27	39.5	11	16.1	5	7.3	5	7.3	1	--*	5	7.3
Aberdeen	17	101.9	6	35.9	4	--*	2	--*	0	--*	5	30.0
Island	15	20.9	4	--*	0	--*	5	7.0	0	--*	6	8.4
Oak Harbor	7	34.7	3	--*	0	--*	0	--*	0	--*	4	--*
Jefferson	9	34.2	6	22.8	1	--*	0	--*	0	--*	2	--*
King	618	37.5	220	13.4	132	8.0	32	1.9	21	1.3	213	12.9
Auburn	13	35.4	8	21.8	0	--*	1	--*	0	--*	4	--*
Bellevue	22	21.0	3	--*	12	11.5	1	--*	0	--*	6	5.7
Burien	9	32.2	0	--*	3	--*	0	--*	2	--*	4	--*
Des Moines	8	29.6	4	--*	1	--*	0	--*	0	--*	3	--*
Federal Way	13	17.1	4	--*	3	--*	0	--*	0	--*	6	7.9
Kent	11	17.7	5	8.1	1	--*	1	--*	0	--*	4	--*
Kirkland	13	29.7	1	--*	4	--*	4	--*	0	--*	4	--*
Mercer Island	2	--*	0	--*	1	--*	0	--*	0	--*	1	--*
Redmond	6	14.2	4	--*	1	--*	0	--*	0	--*	1	--*
Renton	17	37.0	6	13.1	4	--*	0	--*	0	--*	7	15.2
Sea Tac	7	30.0	3	--*	0	--*	1	--*	0	--*	3	--*
Seattle	446	83.1	166	30.9	90	16.8	17	3.2	19	3.5	154	28.7
Shoreline	4	--*	1	--*	1	--*	0	--*	0	--*	2	--*
Kitsap	49	21.4	11	4.8	12	5.2	0	--*	5	2.2	21	9.2
Bainbridge Island	6	31.7	1	--*	1	--*	0	--*	0	--*	4	--*
Bremerton	31	80.3	4	--*	7	18.1	0	--*	5	13.0	15	38.9

Table 35. Deaths by Selected Accidents by Place of Occurrence, 1997

County and City	All Accidents		Motor Vehicle		Falls		Drownings		Fires		Other Accidents	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Kittitas	14	44.4	7	22.2	5	15.9	0	--*	0	--*	2	--*
Klickitat	10	52.6	3	--*	1	--*	3	--*	1	--*	2	--*
Lewis	31	45.4	15	22.0	5	7.3	0	--*	0	--*	11	16.1
Lincoln	6	61.2	4	--*	1	--*	0	--*	0	--*	1	--*
Mason	16	33.4	7	14.6	4	--*	0	--*	0	--*	5	10.4
Okanogan	27	70.3	15	39.1	4	--*	2	--*	0	--*	6	15.6
Pacific	10	46.9	4	--*	1	--*	3	--*	0	--*	2	--*
Pend Oreille	8	71.4	4	--*	0	--*	2	--*	1	--*	1	--*
Pierce	152	22.5	58	8.6	32	4.7	12	1.8	1	--*	49	7.3
Lakewood	9	14.5	1	--*	1	--*	3	--*	0	--*	4	--*
Puyallup	24	81.4	12	40.7	5	17.0	2	--*	0	--*	5	17.0
Tacoma	78	42.0	25	13.5	20	10.8	4	--*	0	--*	29	15.6
University Place	1	--*	0	--*	1	--*	0	--*	0	--*	0	--*
San Juan	6	48.0	2	--*	1	--*	1	--*	0	--*	2	--*
Skagit	47	48.5	19	19.6	9	9.3	3	--*	0	--*	16	16.5
Mount Vernon	20	89.8	6	26.9	4	--*	1	--*	0	--*	9	40.4
Skamania	4	--*	1	--*	1	--*	0	--*	0	--*	2	--*
Snohomish	122	22.1	32	5.8	21	3.8	9	1.6	2	--*	58	10.5
Edmonds	14	39.5	0	--*	5	14.1	2	--*	0	--*	7	19.7
Everett	43	51.1	11	13.1	8	9.5	1	--*	2	--*	21	25.0
Lynnwood	11	33.3	5	15.1	1	--*	0	--*	0	--*	5	--*
Marysville	8	42.6	1	--*	4	--*	0	--*	0	--*	3	--*
Mountlake Terrace	2	--*	1	--*	0	--*	0	--*	0	--*	1	--*
Mukilteo	4	--*	1	--*	0	--*	2	--*	0	--*	1	--*
Spokane	122	29.8	38	9.3	38	9.3	5	1.2	3	--*	38	9.3
Spokane (City)	108	57.4	32	17.0	36	19.1	3	--*	3	--*	34	18.1
Stevens	9	24.1	2	--*	1	--*	1	--*	0	--*	5	13.4
Thurston	64	32.4	25	12.7	18	9.1	4	--*	0	--*	17	8.6
Lacey	7	25.4	1	--*	3	--*	0	--*	0	--*	3	--*
Olympia	42	108.7	11	28.5	15	38.8	3	--*	0	--*	13	33.6
Wahkiakum	0	--*	0	--*	0	--*	0	--*	0	--*	0	--*
Walla Walla	22	40.7	8	14.8	3	--*	1	--*	0	--*	10	18.5
Walla Walla (City)	16	55.0	6	20.6	2	--*	0	--*	0	--*	8	27.5
Whatcom	53	33.9	15	9.6	10	6.4	2	--*	0	--*	26	16.6
Bellingham	36	58.8	9	14.7	9	14.7	1	--*	0	--*	17	27.8
Whitman	15	36.4	8	19.4	1	--*	3	--*	0	--*	3	--*
Pullman	1	--*	1	--*	0	--*	0	--*	0	--*	0	--*
Yakima	114	54.6	56	26.8	14	6.7	9	4.3	2	--*	33	15.8
Yakima (City)	52	81.9	17	26.8	11	17.3	3	--*	1	--*	20	31.5

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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); Falls (ICD E880-E888);

Drownings (ICD E830, E832, E910); Fires (ICD E890-E899);

Other Accidents (ICD E800-E809, E826-E829, E831, E833-E879, E900-E909, E911-E949)

*Rate not calculated because number of deaths was less than 5.

Table 36. Deaths by External Causes by Place of Occurrence, 1997

County and City	Suicide		Homicide		Undetermined	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
State Total	728	13.0	263	4.7	105	1.9
Adams	0	—*	0	—*	0	—*
Asotin	5	25.4	0	—*	0	—*
Benton	17	12.7	2	—*	2	—*
Kennewick	7	14.3	0	—*	2	—*
Richland	6	16.4	1	—*	0	—*
Chelan	13	20.9	2	—*	1	—*
Wenatchee	5	19.9	1	—*	1	—*
Clallam	9	13.6	4	—*	3	—*
Port Angeles	2	—*	2	—*	3	—*
Clark	37	11.7	15	4.7	6	1.9
Vancouver	28	21.9	13	10.2	5	3.9
Columbia	1	—*	0	—*	0	—*
Cowlitz	12	13.0	2	—*	0	—*
Longview	7	20.8	1	—*	0	—*
Douglas	5	16.2	2	—*	0	—*
Ferry	3	—*	0	—*	2	—*
Franklin	4	—*	3	—*	1	—*
Pasco	4	—*	3	—*	1	—*
Garfield	0	—*	0	—*	0	—*
Grant	11	16.1	3	—*	0	—*
Grays Harbor	20	29.3	5	7.3	1	—*
Aberdeen	5	30.0	3	—*	1	—*
Island	7	9.8	1	—*	0	—*
Oak Harbor	1	—*	0	—*	0	—*
Jefferson	2	—*	0	—*	1	—*
King	188	11.4	94	5.7	29	1.8
Auburn	7	19.1	1	—*	0	—*
Bellevue	7	6.7	9	8.6	0	—*
Burien	4	—*	2	—*	0	—*
Des Moines	1	—*	3	—*	0	—*
Federal Way	11	14.5	1	—*	2	—*
Kent	17	27.4	3	—*	2	—*
Kirkland	2	—*	0	—*	0	—*
Mercer Island	0	—*	0	—*	0	—*
Redmond	2	—*	1	—*	0	—*
Renton	3	—*	1	—*	3	—*
Sea Tac	7	30.0	0	—*	0	—*
Seattle	102	19.0	67	12.5	20	3.7
Shoreline	2	—*	0	—*	0	—*
Kitsap	25	10.9	4	—*	7	3.1
Bainbridge Island	0	—*	0	—*	0	—*
Bremerton	10	25.9	2	—*	5	—*

Table 36. Deaths by External Causes by Place of Occurrence, 1997

County and City	Suicide		Homicide		Undetermined	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
Kittitas	6	19.0	0	—*	0	—*
Klickitat	2	—*	1	—*	0	—*
Lewis	11	16.1	0	—*	0	—*
Lincoln	3	—*	0	—*	0	—*
Mason	10	20.9	3	—*	2	—*
Okanogan	6	15.6	1	—*	1	—*
Pacific	1	—*	1	—*	2	—*
Pend Oreille	2	—*	0	—*	0	—*
Pierce	92	13.6	42	6.2	39	5.8
Lakewood	7	11.2	5	8.0	5	8.0
Puyallup	11	37.3	0	—*	4	—*
Tacoma	40	21.6	33	17.8	27	14.5
University Place	3	—*	0	—*	0	—*
San Juan	2	—*	0	—*	1	—*
Skagit	13	13.4	1	—*	2	—*
Mount Vernon	8	35.9	0	—*	0	—*
Skamania	1	—*	2	—*	0	—*
Snohomish	65	11.8	18	3.3	1	—*
Edmonds	4	—*	0	—*	0	—*
Everett	20	23.8	7	8.3	0	—*
Lynnwood	10	30.2	0	—*	0	—*
Marysville	7	37.3	3	—*	0	—*
Mountlake Terrace	3	—*	0	—*	0	—*
Mukilteo	1	—*	0	—*	0	—*
Spokane	58	14.1	27	6.6	1	—*
Spokane (City)	51	27.1	26	13.8	1	—*
Stevens	4	—*	3	—*	0	—*
Thurston	30	15.2	2	—*	1	—*
Lacey	3	—*	0	—*	0	—*
Olympia	22	56.9	2	—*	1	—*
Wahkiakum	2	—*	0	—*	0	—*
Walla Walla	5	9.3	3	—*	1	—*
Walla Walla (City)	5	17.2	3	—*	1	—*
Whatcom	16	10.2	5	3.2	1	—*
Bellingham	12	19.6	4	—*	1	—*
Whitman	4	—*	0	—*	0	—*
Pullman	2	—*	0	—*	0	—*
Yakima	36	17.2	17	8.1	0	—*
Yakima (City)	22	34.6	6	9.4	0	—*

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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)

*Rate not calculated because number of deaths was less than 5.

Table 37. Deaths by Type of Place by Place of Occurrence, 1997

County and City	Total	General Hospital	Nursing Home	Home	Federal Facility	Psychiatric Hospital	State Facility	Dead on Arrival	Other and Unk
State Total	41,598	14,041	12,875	11,384	616	31	2	37	2,612
Adams	84	20	32	18	0	0	0	1	13
Asotin	188	53	78	50	0	0	0	1	6
Benton	781	254	216	240	0	0	0	0	71
Kennewick	420	100	147	125	0	0	0	0	48
Richland	253	137	36	71	0	0	0	0	9
Chelan	696	367	195	113	0	0	0	0	21
Wenatchee	532	335	124	66	0	0	0	0	7
Cllallam	724	205	220	258	0	0	0	0	41
Port Angeles	441	182	121	129	0	0	0	0	9
Clark	1,999	440	644	732	2	0	0	0	181
Vancouver	1,682	439	552	548	2	0	0	0	141
Columbia	43	17	16	7	0	0	0	0	3
Cowlitz	942	298	310	146	0	0	0	0	188
Longview	803	298	275	70	0	0	0	0	160
Douglas	117	0	57	47	0	0	0	2	11
Ferry	42	16	2	16	0	0	0	1	7
Franklin	268	131	44	74	0	0	0	0	19
Pasco	250	131	44	65	0	0	0	0	10
Garfield	16	5	7	4	0	0	0	0	0
Grant	415	172	102	103	0	0	0	1	37
Grays Harbor	626	191	196	206	0	0	0	0	33
Aberdeen	370	178	115	65	0	0	0	0	12
Island	358	72	91	173	1	0	0	1	20
Oak Harbor	114	1	41	61	1	0	0	0	10
Jefferson	195	50	43	84	0	0	0	1	17
King	12,578	4,932	3,757	2,845	237	0	0	3	804
Auburn	420	145	115	129	0	0	0	0	31
Bellevue	1,059	365	446	167	0	0	0	0	81
Burien	270	170	52	38	0	0	0	0	10
Des Moines	318	0	263	38	0	0	0	1	16
Federal Way	421	138	131	115	0	0	0	0	37
Kent	221	0	2	177	0	0	0	0	42
Kirkland	636	211	277	74	0	0	0	1	73
Mercer Island	106	0	65	34	0	0	0	0	7
Redmond	274	87	101	54	0	0	0	0	32
Renton	744	354	183	175	0	0	0	0	32
Sea Tac	69	2	6	40	0	0	0	0	21
Seattle	6,988	3,367	1,717	1,365	237	0	0	1	301
Shoreline	210	2	121	66	0	0	0	0	21
Kitsap	1,486	456	509	438	27	0	0	9	47
Bainbridge Island	110	0	60	47	0	0	0	0	3
Bremerton	886	456	205	177	27	0	0	5	16

Table 37. Deaths by Type of Place by Place of Occurrence, 1997

County and City	Total	General Hospital	Nursing Home	Home	Federal Facility	Psychiatric Hospital	State Facility	Dead on Arrival	Other and Unk
Kittitas	228	58	82	66	0	0	0	0	22
Klickitat	111	36	19	45	0	0	0	0	11
Lewis	627	196	202	192	0	0	0	2	35
Lincoln	86	21	29	22	0	0	0	0	14
Mason	329	82	83	139	0	0	0	0	25
Okanogan	309	93	85	96	0	0	0	1	34
Pacific	190	60	48	69	0	0	0	0	13
Pend Oreille	107	41	20	30	0	0	0	0	16
Pierce	4,776	1,492	1,546	1,333	239	15	0	1	150
Lakewood	336	148	61	119	2	0	0	0	6
Puyallup	760	327	272	145	0	0	0	0	16
Tacoma	2,919	1,017	975	616	236	7	0	1	67
University Place	134	0	84	50	0	0	0	0	0
San Juan	80	0	39	30	0	0	0	0	11
Skagit	842	264	275	243	0	0	0	1	59
Mount Vernon	373	179	96	77	0	0	0	1	20
Skamania	41	0	1	25	0	0	0	0	15
Snohomish	3,049	776	971	1,140	0	0	0	3	159
Edmonds	530	228	147	132	0	0	0	0	23
Everett	1,143	474	293	331	0	0	0	2	43
Lynnwood	249	2	112	121	0	0	0	0	14
Marysville	287	0	124	144	0	0	0	0	19
Mountlake Terrace	37	0	0	35	0	0	0	0	2
Mukilteo	33	0	0	28	0	0	0	0	5
Spokane	3,975	1,567	1,175	940	68	16	0	2	207
Spokane (City)	3,664	1,559	1,069	793	68	1	0	2	172
Stevens	227	76	71	64	0	0	0	0	16
Thurston	1,537	482	535	447	0	0	0	3	70
Lacey	270	1	175	82	0	0	0	0	12
Olympia	1,131	480	348	267	0	0	0	3	33
Wahkiakum	26	0	14	10	0	0	0	0	2
Walla Walla	559	204	169	122	42	0	1	0	21
Walla Walla (City)	505	204	143	100	42	0	1	0	15
Whatcom	1,119	279	407	334	0	0	0	2	97
Bellingham	873	277	327	222	0	0	0	2	45
Whitman	180	38	73	52	0	0	0	1	16
Pullman	54	14	18	19	0	0	0	0	3
Yakima	1,642	597	512	431	0	0	1	1	100
Yakima (City)	1,164	499	367	264	0	0	1	1	32

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Table 38a. Infant Mortality to Residents by Cause¹ by Age and Sex, 1997

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	251	189	87	57	33	30	37	19
All Infective and Parasitic Diseases (000-139)	4	4	0	0	1	0	0	0
Malignant Neoplasms (140-208)	2	2	0	0	1	0	0	1
Meningitis (320,322)	1	0	0	0	0	0	0	0
Diseases of the Circulatory System (390-459)	3	8	0	0	1	2	1	1
Pneumonia and Influenza (480-487)	3	3	0	0	0	0	1	0
Other Diseases of Respiratory System (510-519)	3	2	0	0	0	0	2	1
Hernia and Intestinal Obstruction (550-553,560)	1	1	0	0	0	0	1	0
Congenital Anomalies (740-759)	(62)	(55)	(25)	(20)	(11)	(13)	(13)	(8)
Anencephalus (740)	1	2	1	2	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)	4	11	1	5	0	4	0	1
Anomalies of the Heart (745-746)	15	14	2	2	5	2	6	3
Other Anomalies of Circulatory System (747)	5	3	1	0	1	1	2	2
Anomalies of the Respiratory System (748)	17	8	12	5	4	1	0	0
Anomalies of the Digestive System (749-751)	0	1	0	0	0	1	0	0
Anomalies of the Genitourinary System (752-753)	2	0	2	0	0	0	0	0
Anomalies of the Musculoskeletal System (754-756)	6	2	1	1	0	0	3	1
Chromosomal Anomalies (758)	6	10	2	4	1	2	1	1
Other Congenital Anomalies (743-744, 757, 759)	6	4	3	1	0	2	1	0
Certain Conditions in Perinatal Period (760-779)	(101)	(55)	(61)	(35)	(18)	(15)	(15)	(2)
Maternal Diseases Affecting Child (760)	2	2	1	2	1	0	0	0
Complications of Pregnancy Affecting Child (761-762)	16	13	16	10	0	1	0	0
Birth injuries (763,767-769)	25	12	9	4	9	8	6	0
Other Diseases Peculiar to Early Infancy	58	28	35	19	8	6	9	2
Sudden Infant Death Syndrome (798.0)	49	35	0	0	0	0	2	3
All Other Diseases (000-799)	12	16	1	2	1	0	2	2
All Accidents (E800-E949)	(7)	(5)	0	0	0	0	0	0
Motor Vehicle Accidents (E810-E825)	2	1	0	0	0	0	0	0
Accidental Drowning and Submersion (E910)	2	0	0	0	0	0	0	0
Inhalation of Food or Other Object Causing Obstruction or Suffocation (E911-E912)	0	1	0	0	0	0	0	0
Mechanical Suffocation in Bed or Cradle and in Other and Unspecified Circumstances (E913)	2	2	0	0	0	0	0	0
All Other Accidents	1	1	0	0	0	0	0	0
Homicide (E960-E969)	3	3	0	0	0	0	0	1
Injury Undetermined Whether Accidentally or Purposely Inflicted (E980-E988)	0	0	0	0	0	0	0	0

¹Totals for sub-groups by selected causes are shown in parentheses.

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Table 38b. Infant Mortality to Residents by Cause¹ by Age and Sex, 1997

Cause and International List 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	39	38	37	25	12	9	6	11
All Infective and Parasitic Diseases (000-139)	0	3	2	0	1	0	0	1
Malignant Neoplasms (140-208)	0	0	1	1	0	0	0	0
Meningitis (320,322)	0	0	1	0	0	0	0	0
Diseases of the Circulatory System (390-459)	1	4	0	0	0	1	0	0
Pneumonia and Influenza (480-487)	1	0	0	1	0	1	1	1
Other Diseases of Respiratory System (510-519)	0	1	1	0	0	0	0	0
Hernia and Intestinal Obstruction (550-553,560)	0	0	0	0	0	0	0	1
Congenital Anomalies (740-759)	(7)	(6)	(2)	(3)	(3)	(4)	(1)	(1)
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)	1	0	0	0	2	1	0	0
Anomalies of the Heart (745-746)	0	2	1	2	1	3	0	0
Other Anomalies of Circulatory System (747)	1	0	0	0	0	0	0	0
Anomalies of the Respiratory System (748)	1	1	0	1	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	0	0	0	0	0	0	0
Anomalies of the Musculoskeletal System (754-756)	0	0	1	0	0	0	1	0
Chromosomal Anomalies (758)	2	3	0	0	0	0	0	0
Other Congenital Anomalies	2	0	0	0	0	0	0	1
Certain Conditions in Perinatal Period (760-779)	(3)	(1)	(3)	(1)	(1)	0	0	(1)
Maternal Diseases Affecting Child (760)	0	0	0	0	0	0	0	0
Complications of Pregnancy Affecting Child (761-762)	0	1	0	0	0	0	0	1
Birth injuries (763,767-769)	1	0	0	0	0	0	0	0
Other Diseases Peculiar to Early Infancy	2	0	3	1	1	0	0	0
Sudden Infant Death Syndrome (798.0)	23	17	19	12	4	1	1	2
All Other Diseases (000-799)	2	4	3	3	2	2	1	3
All Accidents (E800-E949)	0	(2)	(4)	(2)	(1)	0	(2)	(1)
Motor Vehicle Accidents (E810-E825)	0	1	1	0	1	0	0	0
Accidental Drowning and Submersion (E910)	0	0	0	0	0	0	2	0
Inhalation of Food or Other Object Causing Obstruction or Suffocation (E911-E912)	0	0	0	1	0	0	0	0
Mechanical Suffocation in Bed or Cradle and in Other and Unspecified Circumstances (E913)	0	1	2	1	0	0	0	0
All Other Accidents	0	0	1	0	0	0	0	1
Homicide (E960-E969)	2	0	1	2	0	0	0	0
Injury Undetermined Whether Accidentally or Purposely Inflicted (E980-E988)	0	0	0	0	0	0	0	0

¹Totals for sub-groups by selected causes are shown in parentheses.

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Table 39. Infant Mortality by Selected Causes by Place of Residence, 1997

County and City	Total All Causes	Birth Trauma Conditions ¹	Other Conditions in Perinatal Period	Congenital Malformations	Pneumonia and Influenza	All Accidents	Sudden Infant Death	All Other Causes
State Total	440	33	123	117	6	12	84	65
Adams	1	0	0	0	0	0	0	1
Asotin	2	1	0	1	0	0	0	0
Benton	15	0	4	4	1	0	4	2
Kennewick	7	0	3	1	0	0	2	1
Richland	4	0	0	1	1	0	1	1
Chelan	3	0	0	2	0	0	0	1
Wenatchee	2	0	0	1	0	0	0	1
Clallam	3	0	1	0	0	1	0	1
Port Angeles	1	0	1	0	0	0	0	0
Clark	21	2	7	3	0	1	4	4
Vancouver	19	2	7	3	0	1	3	3
Columbia	0	0	0	0	0	0	0	0
Cowlitz	10	0	2	5	1	0	0	2
Longview	5	0	1	3	1	0	0	0
Douglas	0	0	0	0	0	0	0	0
Ferry	1	0	0	0	0	0	0	1
Franklin	5	0	0	3	0	0	1	1
Pasco	3	0	0	2	0	0	0	1
Garfield	0	0	0	0	0	0	0	0
Grant	9	2	1	1	0	0	1	4
Grays Harbor	5	0	1	1	0	0	3	0
Aberdeen	0	0	0	0	0	0	0	0
Island	9	1	3	1	0	0	3	1
Oak Harbor	4	0	2	1	0	0	1	0
Jefferson	2	0	0	1	0	0	1	0
King	113	4	39	32	1	1	18	18
Auburn	3	0	1	0	0	0	1	1
Bellevue	9	1	4	1	0	0	1	2
Burien	4	1	2	1	0	0	0	0
Des Moines	0	0	0	0	0	0	0	0
Federal Way	9	0	4	1	0	0	2	2
Kent	6	0	1	4	0	0	0	1
Kirkland	3	0	2	1	0	0	0	0
Mercer Island	0	0	0	0	0	0	0	0
Redmond	0	0	0	0	0	0	0	0
Renton	3	0	1	1	0	0	1	0
Sea Tac	3	0	2	1	0	0	0	0
Seattle	47	0	18	11	1	0	9	8
Shoreline	1	0	0	0	0	0	1	0
Kitsap	19	1	2	11	0	3	2	0
Bainbridge Island	3	0	0	1	0	1	1	0
Bremerton	5	0	0	3	0	1	1	0

Table 39. Infant Mortality by Selected Causes by Place of Residence, 1997

County and City	Total All Causes	Birth Trauma Conditions ¹	Other Conditions in Perinatal Period	Congenital Malformations	Pneumonia and Influenza	All Accidents	Sudden Infant Death	All Other Causes
Kittitas	1	0	1	0	0	0	0	0
Klickitat	2	0	1	0	0	0	1	0
Lewis	4	2	0	0	0	0	1	1
Lincoln	2	0	2	0	0	0	0	0
Mason	3	1	1	0	0	0	1	0
Okanogan	3	0	0	2	0	0	0	1
Pacific	0	0	0	0	0	0	0	0
Pend Oreille	0	0	0	0	0	0	0	0
Pierce	61	4	17	13	0	0	13	14
Lakewood	2	0	0	0	0	0	1	1
Puyallup	1	0	0	0	0	0	0	1
Tacoma	24	0	7	7	0	0	6	4
University Place	3	0	1	0	0	0	0	2
San Juan	0	0	0	0	0	0	0	0
Skagit	7	2	1	3	0	1	0	0
Mount Vernon	3	0	1	1	0	1	0	0
Skamania	0	0	0	0	0	0	0	0
Snohomish	49	7	19	12	1	0	7	3
Edmonds	2	1	0	0	0	0	1	0
Everett	13	2	5	4	0	0	1	1
Lynnwood	6	0	2	1	1	0	2	0
Marysville	1	0	1	0	0	0	0	0
Mountlake Terrace	2	0	1	0	0	0	1	0
Mukilteo	0	0	0	0	0	0	0	0
Spokane	35	1	11	8	1	1	9	4
Spokane (City)	23	1	6	4	1	1	7	3
Stevens	4	1	1	0	0	0	2	0
Thurston	10	0	2	3	0	0	4	1
Lacey	2	0	0	1	0	0	1	0
Olympia	2	0	0	0	0	0	2	0
Wahkiakum	1	0	0	0	0	0	1	0
Walla Walla	4	0	1	1	0	1	1	0
Walla Walla (City)	4	0	1	1	0	1	1	0
Whatcom	6	1	0	3	0	0	1	1
Bellingham	2	0	0	1	0	0	0	1
Whitman	2	1	0	0	0	0	0	1
Pullman	2	1	0	0	0	0	0	1
Yakima	28	2	6	7	1	3	6	3
Yakima (City)	10	0	1	3	0	1	3	2

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NOTE: Source for Selected Causes is International Classification of Diseases (Ninth Revision): Birth Trauma & Asphyxia Conditions (ICD 767-769); Other Conditions in Perinatal Period (ICD 760-766, 770-779); Congenital Malformations (ICD 740-759); Pneumonia and Influenza (ICD 480-487); All Accidents (ICD E800-E949); Sudden Infant Death (ICD 798.0)

¹In 1996, deaths due to other complications of labor and delivery (ICD 763) were moved from 'Birth Injuries' (see 1980-1995 tables) to 'Other Conditions in Perinatal Period'.

Table 40. Infant Deaths by Mother's Race/Ethnicity¹ by Place of Residence², 1997

County and City	Total	African		Native		Other					Hispanic ³
		White	American	American	Japanese	Chinese	Filipino	Asian	Other	Unk	
State Total	440	346	34	16	0	1	5	17	2	19	47
Adams	1	1	0	0	0	0	0	0	0	0	1
Asotin	2	2	0	0	0	0	0	0	0	0	0
Benton	15	12	2	1	0	0	0	0	0	0	3
Kennewick	7	6	1	0	0	0	0	0	0	0	2
Richland		3	1	0	0	0	0	0	0	0	0
Chelan	3	3	0	0	0	0	0	0	0	0	1
Wenatchee	2	2	0	0	0	0	0	0	0	0	0
Clallam	3	2	0	0	0	0	0	1	0	0	0
Port Angeles	1	0	0	0	0	0	0	1	0	0	0
Clark	21	19	1	0	0	0	0	1	0	0	1
Vancouver	19	17	1	0	0	0	0	1	0	0	1
Columbia	0	0	0	0	0	0	0	0	0	0	0
Cowlitz	10	10	0	0	0	0	0	0	0	0	2
Longview	5	5	0	0	0	0	0	0	0	0	1
Douglas	0	0	0	0	0	0	0	0	0	0	0
Ferry	1	0	0	1	0	0	0	0	0	0	0
Franklin	5	5	0	0	0	0	0	0	0	0	3
Pasco	3	3	0	0	0	0	0	0	0	0	2
Garfield	0	0	0	0	0	0	0	0	0	0	0
Grant	9	9	0	0	0	0	0	0	0	0	2
Grays Harbor	5	4	0	1	0	0	0	0	0	0	0
Aberdeen	0	0	0	0	0	0	0	0	0	0	0
Island	9	5	1	0	0	0	1	1	0	1	0
Oak Harbor	4	1	1	0	0	0	1	1	0	0	0
Jefferson	2	1	0	1	0	0	0	0	0	0	0
King	113	73	19	3	0	0	2	7	2	7	8
Auburn	3	2	0	1	0	0	0	0	0	0	0
Bellevue	9	5	0	0	0	0	0	2	2	0	0
Burien	4	3	0	0	0	0	0	0	0	1	0
Des Moines	0	0	0	0	0	0	0	0	0	0	0
Federal Way	9	4	3	0	0	0	0	1	0	1	2
Kent	6	5	0	0	0	0	0	1	0	0	0
Kirkland	3	1	0	0	0	0	1	0	0	1	0
Mercer Island	0	0	0	0	0	0	0	0	0	0	0
Redmond	0	0	0	0	0	0	0	0	0	0	0
Renton	3	1	2	0	0	0	0	0	0	0	0
Sea Tac	3	3	0	0	0	0	0	0	0	0	1
Seattle	47	24	14	2	0	0	1	3	0	3	3
Shoreline	1	1	0	0	0	0	0	0	0	0	0
Kitsap	19	17	0	0	0	0	2	0	0	0	2
Bainbridge Island	3	3	0	0	0	0	0	0	0	0	0
Bremerton	5	4	0	0	0	0	1	0	0	0	1

Table 40. Infant Deaths by Mother's Race/Ethnicity¹ by Place of Residence², 1997

County and City	Total	African		Native		Other					Hispanic ³	
		White	American	American	Japanese	Chinese	Filipino	Asian	Other	Unk		
Kittitas	1	1	0	0	0	0	0	0	0	0	0	0
Klickitat	2	2	0	0	0	0	0	0	0	0	0	0
Lewis	4	4	0	0	0	0	0	0	0	0	0	2
Lincoln	2	2	0	0	0	0	0	0	0	0	0	0
Mason	3	2	0	1	0	0	0	0	0	0	0	1
Okanogan	3	3	0	0	0	0	0	0	0	0	0	0
Pacific	0	0	0	0	0	0	0	0	0	0	0	0
Pend Oreille	0	0	0	0	0	0	0	0	0	0	0	0
Pierce	61	42	10	1	0	0	0	4	0	4	0	6
Lakewood	2	1	1	0	0	0	0	0	0	0	0	0
Puyallup	1	0	0	0	0	0	0	1	0	0	0	0
Tacoma	24	13	8	0	0	0	0	1	0	2	0	3
University Place	3	3	0	0	0	0	0	0	0	0	0	2
San Juan	0	0	0	0	0	0	0	0	0	0	0	0
Skagit	7	7	0	0	0	0	0	0	0	0	0	1
Mount Vernon	3	3	0	0	0	0	0	0	0	0	0	1
Skamania	0	0	0	0	0	0	0	0	0	0	0	0
Snohomish	49	40	1	2	0	1	0	2	0	3	0	2
Edmonds	2	1	0	0	0	1	0	0	0	0	0	0
Everett	13	11	1	0	0	0	0	1	0	0	0	2
Lynnwood	6	6	0	0	0	0	0	0	0	0	0	0
Marysville	1	1	0	0	0	0	0	0	0	0	0	0
Mountlake Terrace	2	2	0	0	0	0	0	0	0	0	0	0
Mukilteo	0	0	0	0	0	0	0	0	0	0	0	0
Spokane	35	32	0	0	0	0	0	0	0	0	3	1
Spokane (City)	23	21	0	0	0	0	0	0	0	0	2	0
Stevens	4	4	0	0	0	0	0	0	0	0	0	0
Thurston	10	9	0	0	0	0	0	0	0	0	1	0
Lacey	2	2	0	0	0	0	0	0	0	0	0	0
Olympia	2	2	0	0	0	0	0	0	0	0	0	0
Wahkiakum	1	0	0	1	0	0	0	0	0	0	0	0
Walla Walla	4	4	0	0	0	0	0	0	0	0	0	1
Walla Walla (City)	4	4	0	0	0	0	0	0	0	0	0	1
Whatcom	6	5	0	1	0	0	0	0	0	0	0	0
Bellingham	2	2	0	0	0	0	0	0	0	0	0	0
Whitman	2	2	0	0	0	0	0	0	0	0	0	0
Pullman	2	2	0	0	0	0	0	0	0	0	0	0
Yakima	28	24	0	3	0	0	0	1	0	0	0	10
Yakima (City)	10	9	0	0	0	0	0	1	0	0	0	1

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

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

³Persons of Hispanic Origin may be of any race. See Appendix A, "Hispanic Origin."

Table 41. Infant Deaths by Child's Race/Ethnicity¹ by Place of Residence², 1997

County and City	Total	African		Native		Other					Hispanic ³
		White	American	American	Japanese	Chinese	Filipino	Asian	Other	Unk	
State Total	440	329	44	22	1	2	7	17	2	16	62
Adams	1	1	0	0	0	0	0	0	0	0	1
Asotin	2	2	0	0	0	0	0	0	0	0	0
Benton	15	12	2	1	0	0	0	0	0	0	4
Kennewick	7	6	1	0	0	0	0	0	0	0	3
Richland	4	3	1	0	0	0	0	0	0	0	0
Chelan	3	3	0	0	0	0	0	0	0	0	1
Wenatchee	2	2	0	0	0	0	0	0	0	0	0
Clallam	3	2	0	0	0	0	0	1	0	0	0
Port Angeles	1	0	0	0	0	0	0	1	0	0	0
Clark	21	18	1	0	0	0	1	1	0	0	1
Vancouver	19	16	1	0	0	0	1	1	0	0	1
Columbia	0	0	0	0	0	0	0	0	0	0	0
Cowlitz	10	10	0	0	0	0	0	0	0	0	2
Longview	5	5	0	0	0	0	0	0	0	0	1
Douglas	0	0	0	0	0	0	0	0	0	0	0
Ferry	1	0	0	1	0	0	0	0	0	0	0
Franklin	5	5	0	0	0	0	0	0	0	0	3
Pasco	3	3	0	0	0	0	0	0	0	0	2
Garfield	0	0	0	0	0	0	0	0	0	0	0
Grant	9	8	1	0	0	0	0	0	0	0	2
Grays Harbor	5	4	0	1	0	0	0	0	0	0	1
Aberdeen	0	0	0	0	0	0	0	0	0	0	0
Island	9	5	1	0	0	0	1	1	0	1	0
Oak Harbor	4	1	1	0	0	0	1	1	0	0	0
Jefferson	2	1	0	0	1	0	0	0	0	0	0
King	113	70	21	4	0	1	2	7	2	6	10
Auburn	3	2	0	1	0	0	0	0	0	0	2
Bellevue	9	5	0	0	0	0	0	2	2	0	0
Burien	4	4	0	0	0	0	0	0	0	0	0
Des Moines	0	0	0	0	0	0	0	0	0	0	0
Federal Way	9	3	3	1	0	0	0	1	0	1	2
Kent	6	4	0	0	0	0	1	1	0	0	0
Kirkland	3	1	0	0	0	0	0	1	0	1	0
Mercer Island	0	0	0	0	0	0	0	0	0	0	0
Redmond	0	0	0	0	0	0	0	0	0	0	0
Renton	3	1	2	0	0	0	0	0	0	0	0
Sea Tac	3	3	0	0	0	0	0	0	0	0	1
Seattle	47	22	16	2	0	1	1	2	0	3	3
Shoreline	1	1	0	0	0	0	0	0	0	0	0
Kitsap	19	14	1	2	0	0	2	0	0	0	2
Bainbridge Island	3	3	0	0	0	0	0	0	0	0	0
Bremerton	5	3	0	1	0	0	1	0	0	0	1

Table 41. Infant Deaths by Child's Race/Ethnicity¹ by Place of Residence², 1997

County and City	Total	African		Native		Other				Hispanic ³	
		White	American	American	Japanese	Chinese	Filipino	Asian	Other		Unk
Kittitas	1	1	0	0	0	0	0	0	0	0	0
Klickitat	2	2	0	0	0	0	0	0	0	0	0
Lewis	4	4	0	0	0	0	0	0	0	0	2
Lincoln	2	2	0	0	0	0	0	0	0	0	0
Mason	3	3	0	0	0	0	0	0	0	0	2
Okanogan	3	3	0	0	0	0	0	0	0	0	0
Pacific	0	0	0	0	0	0	0	0	0	0	0
Pend Oreille	0	0	0	0	0	0	0	0	0	0	0
Pierce	61	39	13	2	0	0	1	3	0	3	10
Lakewood	2	1	1	0	0	0	0	0	0	0	0
Puyallup	1	0	1	0	0	0	0	0	0	0	0
Tacoma	24	13	9	0	0	0	0	1	0	1	5
University Place	3	3	0	0	0	0	0	0	0	0	2
San Juan	0	0	0	0	0	0	0	0	0	0	0
Skagit	7	6	0	1	0	0	0	0	0	0	1
Mount Vernon	3	3	0	0	0	0	0	0	0	0	1
Skamania	0	0	0	0	0	0	0	0	0	0	0
Snohomish	49	39	1	3	0	1	0	2	0	3	3
Edmonds	2	1	0	0	0	1	0	0	0	0	0
Everett	13	11	1	0	0	0	0	1	0	0	3
Lynnwood	6	5	0	1	0	0	0	0	0	0	0
Marysville	1	1	0	0	0	0	0	0	0	0	0
Mountlake Terrace	2	2	0	0	0	0	0	0	0	0	0
Mukilteo	0	0	0	0	0	0	0	0	0	0	0
Spokane	35	30	1	1	0	0	0	1	0	2	2
Spokane (City)	23	20	0	1	0	0	0	1	0	1	1
Stevens	4	4	0	0	0	0	0	0	0	0	0
Thurston	10	8	1	0	0	0	0	0	0	1	0
Lacey	2	2	0	0	0	0	0	0	0	0	0
Olympia	2	2	0	0	0	0	0	0	0	0	0
Wahkiakum	1	0	0	1	0	0	0	0	0	0	0
Walla Walla	4	3	0	1	0	0	0	0	0	0	1
Walla Walla (City)	4	3	0	1	0	0	0	0	0	0	1
Whatcom	6	4	0	2	0	0	0	0	0	0	0
Bellingham	2	2	0	0	0	0	0	0	0	0	0
Whitman	2	2	0	0	0	0	0	0	0	0	0
Pullman	2	2	0	0	0	0	0	0	0	0	0
Yakima	28	24	1	2	0	0	0	1	0	0	14
Yakima (City)	10	8	1	0	0	0	0	1	0	0	3

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¹Infant deaths are matched with births to find infant's race/ethnicity at birth.

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

³Persons of Hispanic Origin may be of any race. See Appendix A, "Hispanic Origin."

Table 42. Infant Deaths by Mother's Age Group¹ by Place of Residence², 1997

County and City	All Ages	Under							45 and Over	Age Unk
		15	15-19	20-24	25-29	30-34	35-39	40-44		
State Total	440	1	77	104	108	88	45	14	0	3
Adams	1	0	0	1	0	0	0	0	0	0
Asotin	2	0	1	0	0	0	0	1	0	0
Benton	15	0	3	5	3	3	1	0	0	0
Kennewick	7	0	1	2	2	2	0	0	0	0
Richland	4	0	1	1	1	0	1	0	0	0
Chelan	3	0	2	0	1	0	0	0	0	0
Wenatchee	2	0	1	0	1	0	0	0	0	0
Clallam	3	0	0	1	1	1	0	0	0	0
Port Angeles	1	0	0	0	1	0	0	0	0	0
Clark	21	0	1	3	7	7	2	1	0	0
Vancouver	19	0	1	3	6	6	2	1	0	0
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	10	0	3	3	1	3	0	0	0	0
Longview	5	0	2	2	0	1	0	0	0	0
Douglas	0	0	0	0	0	0	0	0	0	0
Ferry	1	0	0	0	1	0	0	0	0	0
Franklin	5	0	0	1	1	0	3	0	0	0
Pasco	3	0	0	0	1	0	2	0	0	0
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	9	0	2	2	3	1	1	0	0	0
Grays Harbor	5	0	0	4	1	0	0	0	0	0
Aberdeen	0	0	0	0	0	0	0	0	0	0
Island	9	1	0	2	2	3	0	1	0	0
Oak Harbor	4	0	0	1	1	1	0	1	0	0
Jefferson	2	0	0	2	0	0	0	0	0	0
King	113	0	16	16	26	32	18	4	0	1
Auburn	3	0	0	0	2	1	0	0	0	0
Bellevue	9	0	1	1	0	4	3	0	0	0
Burien	4	0	1	2	1	0	0	0	0	0
Des Moines	0	0	0	0	0	0	0	0	0	0
Federal Way	9	0	1	3	1	4	0	0	0	0
Kent	6	0	1	0	2	1	2	0	0	0
Kirkland	3	0	2	0	1	0	0	0	0	0
Mercer Island	0	0	0	0	0	0	0	0	0	0
Redmond	0	0	0	0	0	0	0	0	0	0
Renton	3	0	1	0	2	0	0	0	0	0
Sea Tac	3	0	1	0	0	2	0	0	0	0
Seattle	47	0	2	10	11	16	5	2	0	1
Shoreline	1	0	1	0	0	0	0	0	0	0
Kitsap	19	0	4	6	3	3	3	0	0	0
Bainbridge Island	3	0	0	0	0	0	3	0	0	0
Bremerton	5	0	1	2	1	1	0	0	0	0

Table 42. Infant Deaths by Mother's Age Group¹ by Place of Residence², 1997

County and City	All Ages	Under							45 and Over	Age Unk
		15	15-19	20-24	25-29	30-34	35-39	40-44		
Kittitas	1	0	0	0	0	1	0	0	0	0
Klickitat	2	0	1	0	0	1	0	0	0	0
Lewis	4	0	0	3	1	0	0	0	0	0
Lincoln	2	0	0	1	0	1	0	0	0	0
Mason	3	0	2	0	1	0	0	0	0	0
Okanogan	3	0	0	1	0	1	1	0	0	0
Pacific	0	0	0	0	0	0	0	0	0	0
Pend Oreille	0	0	0	0	0	0	0	0	0	0
Pierce	61	0	17	17	12	8	3	2	0	2
Lakewood	2	0	0	2	0	0	0	0	0	0
Puyallup	1	0	0	1	0	0	0	0	0	0
Tacoma	24	0	10	4	6	3	1	0	0	0
University Place	3	0	2	1	0	0	0	0	0	0
San Juan	0	0	0	0	0	0	0	0	0	0
Skagit	7	0	1	1	3	0	2	0	0	0
Mount Vernon	3	0	1	1	0	0	1	0	0	0
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	49	0	4	15	10	11	5	4	0	0
Edmonds	2	0	0	0	1	0	0	1	0	0
Everett	13	0	2	6	2	1	2	0	0	0
Lynnwood	6	0	2	1	0	3	0	0	0	0
Marysville	1	0	0	0	0	1	0	0	0	0
Mountlake Terrace	2	0	0	0	0	2	0	0	0	0
Mukilteo	0	0	0	0	0	0	0	0	0	0
Spokane	35	0	7	8	9	7	3	1	0	0
Spokane (City)	23	0	4	6	7	5	1	0	0	0
Stevens	4	0	2	1	1	0	0	0	0	0
Thurston	10	0	1	5	4	0	0	0	0	0
Lacey	2	0	0	2	0	0	0	0	0	0
Olympia	2	0	0	1	1	0	0	0	0	0
Wahkiakum	1	0	0	1	0	0	0	0	0	0
Walla Walla	4	0	1	1	2	0	0	0	0	0
Walla Walla (City)	4	0	1	1	2	0	0	0	0	0
Whatcom	6	0	2	0	3	1	0	0	0	0
Bellingham	2	0	0	0	1	1	0	0	0	0
Whitman	2	0	1	0	1	0	0	0	0	0
Pullman	2	0	1	0	1	0	0	0	0	0
Yakima	28	0	6	4	11	4	3	0	0	0
Yakima (City)	10	0	4	1	2	2	1	0	0	0

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

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

Table 43. Fetal Deaths, Perinatal, Neonatal and Infant Mortality by Place of Residence, 1997

County and City	Fetal Deaths ¹		Perinatal Mortality ²		Neonatal Mortality ³		Infant Mortality ⁴	
	Number	Ratio	Number	Rate	Number	Rate	Number	Rate
State Total	457	5.8	664	8.4	263	3.4	440	5.6
Adams	2	—*	2	—*	0	—*	1	—*
Asotin	0	—*	1	3.5	1	—*	2	—*
Benton	11	5.4	16	—*	8	4.0	15	7.4
Kennewick	3	—*	5	5.3	4	—*	7	7.5
Richland	1	—*	2	—*	2	—*	4	—*
Chelan	9	9.2	12	12.1	3	—*	3	—*
Wenatchee	6	10.8	8	14.3	2	—*	2	—*
Clallam	4	—*	4	—*	1	—*	3	—*
Port Angeles	2	—*	2	—*	1	—*	1	—*
Clark	26	5.3	34	6.8	10	2.0	21	4.2
Vancouver	16	6.9	24	10.3	10	4.3	19	8.2
Columbia	0	—*	0	—*	0	—*	0	—*
Cowlitz	7	6.0	12	10.2	7	6.0	10	8.5
Longview	6	12.3	8	16.3	3	—*	5	10.3
Douglas	3	—*	3	—*	0	—*	0	—*
Ferry	1	—*	1	—*	0	—*	1	—*
Franklin	9	9.3	10	10.2	3	—*	5	5.1
Pasco	9	13.1	10	14.3	2	—*	3	—*
Garfield	2	—*	2	—*	0	—*	0	—*
Grant	4	—*	7	5.0	3	—*	9	6.5
Grays Harbor	4	—*	5	5.9	2	—*	5	5.9
Aberdeen	2	—*	2	—*	0	—*	0	—*
Island	2	—*	7	7.3	6	6.3	9	9.4
Oak Harbor	1	—*	4	—*	3	—*	4	—*
Jefferson	2	—*	2	—*	0	—*	2	—*
King	134	6.2	193	8.9	71	3.3	113	5.2
Auburn	4	—*	4	—*	1	—*	3	—*
Bellevue	5	3.8	11	8.3	6	4.5	9	6.8
Burien	2	—*	4	—*	3	—*	4	—*
Des Moines	2	—*	2	—*	0	—*	0	—*
Federal Way	7	5.6	12	9.6	6	4.8	9	7.3
Kent	10	6.3	14	8.7	4	—*	6	3.8
Kirkland	2	—*	5	6.3	3	—*	3	—*
Mercer Island	0	—*	0	—*	0	—*	0	—*
Redmond	8	9.7	8	9.7	0	—*	0	—*
Renton	7	6.7	9	8.6	2	—*	3	—*
Sea Tac	1	—*	3	—*	3	—*	3	—*
Seattle	51	7.4	76	10.9	29	4.2	47	6.8
Shoreline	4	—*	4	—*	0	—*	1	—*
Kitsap	19	5.8	32	9.8	13	4.0	19	5.8
Bainbridge Island	2	—*	3	—*	1	—*	3	—*
Bremerton	4	—*	7	6.8	3	—*	5	4.8

Table 43. Fetal Deaths, Perinatal, Neonatal and Infant Mortality by Place of Residence, 1997

County and City	Fetal Deaths ¹		Perinatal Mortality ²		Neonatal Mortality ³		Infant Mortality ⁴	
	Number	Ratio	Number	Rate	Number	Rate	Number	Rate
Kittitas	1	—*	2	—*	1	—*	1	—*
Klickitat	2	—*	3	—*	1	—*	2	—*
Lewis	8	9.1	10	11.3	2	—*	4	—*
Lincoln	1	—*	3	—*	2	—*	2	—*
Mason	4	—*	6	11.4	2	—*	3	—*
Okanogan	6	11.5	7	13.3	2	—*	3	—*
Pacific	2	—*	2	—*	0	—*	0	—*
Pend Oreille	3	—*	3	—*	0	—*	0	—*
Pierce	51	5.2	70	7.2	34	3.5	61	6.3
Lakewood	2	—*	2	—*	1	—*	2	—*
Puyallup	2	—*	3	—*	1	—*	1	—*
Tacoma	28	7.2	35	8.9	15	3.9	24	6.2
University Place	0	—*	1	—*	1	—*	3	—*
San Juan	0	—*	0	—*	0	—*	0	—*
Skagit	5	3.7	11	8.2	6	4.5	7	5.2
Mount Vernon	1	—*	3	—*	2	—*	3	—*
Skamania	0	—*	0	—*	0	—*	0	—*
Snohomish	51	6.3	82	10.0	34	4.2	49	6.0
Edmonds	2	—*	3	—*	1	—*	2	—*
Everett	10	5.0	20	10.0	11	5.5	13	6.5
Lynnwood	9	10.4	11	12.6	2	—*	6	6.9
Marysville	5	9.8	6	11.7	1	—*	1	—*
Mountlake Terrace	1	—*	2	—*	2	—*	2	—*
Mukilteo	3	—*	3	—*	0	—*	0	—*
Spokane	28	5.1	42	7.6	20	3.6	35	6.3
Spokane (City)	18	5.6	26	8.1	12	3.8	23	7.2
Stevens	3	—*	5	11.0	2	—*	4	—*
Thurston	15	6.2	19	7.8	5	2.1	10	4.1
Lacey	3	—*	4	—*	1	—*	2	—*
Olympia	5	7.0	5	7.0	0	—*	2	—*
Wahkiakum	1	—*	1	—*	0	—*	1	—*
Walla Walla	2	—*	3	—*	3	—*	4	—*
Walla Walla (City)	0	—*	1	—*	3	—*	4	—*
Whatcom	10	5.1	12	6.1	4	—*	6	3.1
Bellingham	6	7.7	7	9.0	2	—*	2	—*
Whitman	0	—*	0	—*	1	—*	2	—*
Pullman	0	—*	0	—*	1	—*	2	—*
Yakima	25	6.0	40	9.5	16	3.8	28	6.7
Yakima (City)	8	5.6	12	8.3	5	3.5	10	6.9

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¹Fetal death ratio = fetal deaths per 1,000 live births.

²Perinatal mortality rate = fetal deaths plus deaths to infants within first 6 days of life per 1,000 live births plus fetal deaths.

³Neonatal mortality rate = deaths to infants within first 27 days of life per 1,000 live births.

⁴Infant mortality rate = deaths to infants under one year of age per 1,000 live births.

*Rate or ratio not calculated because number of deaths was less than 5.

Table 44. Fetal Deaths, Perinatal, Neonatal and Infant Mortality by Place of Occurrence, 1997

County and City	Fetal Deaths ¹		Perinatal Mortality ²		Neonatal Mortality ³		Infant Mortality ⁴	
	Number	Ratio	Number	Rate	Number	Rate	Number	Rate
State Total	445	5.8	650	8.4	257	3.3	440	5.7
Adams	2	—*	2	—*	0	—*	0	—*
Asotin	0	—*	0	—*	0	—*	0	—*
Benton	20	7.3	25	9.0	5	1.8	11	4.0
Kennewick	6	6.0	9	9.0	3	—*	5	5.0
Richland	8	5.9	9	6.6	1	—*	3	—*
Chelan	8	5.7	9	6.3	1	—*	2	—*
Wenatchee	7	5.4	8	6.2	1	—*	1	—*
Clallam	3	—*	3	—*	0	—*	1	—*
Port Angeles	2	—*	2	—*	0	—*	1	—*
Clark	16	4.1	20	5.1	4	—*	12	3.1
Vancouver	16	4.1	20	5.1	4	—*	12	3.1
Columbia	0	—*	0	—*	0	—*	0	—*
Cowlitz	6	4.9	8	6.4	2	—*	4	—*
Longview	6	4.9	8	6.5	2	—*	4	—*
Douglas	0	—*	0	—*	0	—*	0	—*
Ferry	0	—*	0	—*	0	—*	0	—*
Franklin	4	—*	4	—*	0	—*	1	—*
Pasco	4	—*	4	—*	0	—*	1	—*
Garfield	0	—*	0	—*	0	—*	0	—*
Grant	3	—*	3	—*	0	—*	2	—*
Grays Harbor	3	—*	3	—*	0	—*	3	—*
Aberdeen	3	—*	3	—*	0	—*	2	—*
Island	2	—*	4	—*	2	—*	5	7.3
Oak Harbor	2	—*	3	—*	1	—*	1	—*
Jefferson	1	—*	1	—*	0	—*	2	—*
King	184	7.3	287	11.3	128	5.1	187	7.4
Auburn	1	—*	2	—*	1	—*	4	—*
Bellevue	14	4.5	14	4.5	0	—*	3	—*
Burien	3	—*	4	—*	1	—*	1	—*
Des Moines	0	—*	0	—*	0	—*	0	—*
Federal Way	11	6.1	12	6.6	1	—*	4	—*
Kent	1	—*	1	—*	0	—*	1	—*
Kirkland	22	7.3	25	8.2	3	—*	3	—*
Mercer Island	0	—*	0	—*	0	—*	0	—*
Redmond	3	—*	3	—*	0	—*	0	—*
Renton	8	2.7	12	4.0	4	—*	5	1.7
Sea Tac	0	—*	0	—*	0	—*	0	—*
Seattle	119	10.4	211	18.3	116	10.2	160	14.0
Shoreline	0	—*	0	—*	0	—*	0	—*
Kitsap	9	3.4	14	5.3	5	1.9	9	3.4
Bainbridge Island	0	—*	0	—*	0	—*	2	—*
Bremerton	9	3.4	14	5.3	5	1.9	7	2.7

Table 44. Fetal Deaths, Perinatal, Neonatal and Infant Mortality by Place of Occurrence, 1997

County and City	Fetal Deaths ¹		Perinatal Mortality ²		Neonatal Mortality ³		Infant Mortality ⁴	
	Number	Ratio	Number	Rate	Number	Rate	Number	Rate
Kittitas	1	—*	1	—*	0	—*	0	—*
Klickitat	0	—*	1	—*	1	—*	2	—*
Lewis	5	7.2	5	7.2	0	—*	1	—*
Lincoln	0	—*	0	—*	0	—*	0	—*
Mason	3	—*	3	—*	0	—*	1	—*
Okanogan	5	9.1	6	10.8	2	—*	2	—*
Pacific	0	—*	0	—*	0	—*	0	—*
Pend Oreille	0	—*	0	—*	0	—*	0	—*
Pierce	62	6.1	94	9.2	45	4.4	74	7.3
Lakewood	2	—*	2	—*	1	—*	3	—*
Puyallup	4	—*	6	4.3	2	—*	4	—*
Tacoma	56	6.5	85	9.8	41	4.7	65	7.5
University Place	0	—*	0	—*	0	—*	0	—*
San Juan	0	—*	0	—*	0	—*	0	—*
Skagit	7	4.6	7	4.6	0	—*	0	—*
Mount Vernon	6	4.8	6	4.8	0	—*	0	—*
Skamania	0	—*	0	—*	0	—*	0	—*
Snohomish	22	3.8	26	4.5	5	0.9	13	2.3
Edmonds	7	4.3	8	4.9	1	—*	2	—*
Everett	9	2.8	10	3.1	1	—*	3	—*
Lynnwood	0	—*	0	—*	0	—*	2	—*
Marysville	0	—*	0	—*	0	—*	1	—*
Mountlake Terrace	0	—*	0	—*	1	—*	1	—*
Mukilteo	1	—*	1	—*	0	—*	0	—*
Spokane	37	5.9	65	10.2	37	5.9	68	10.8
Spokane (City)	37	5.9	65	10.3	36	5.7	67	10.7
Stevens	3	—*	3	—*	0	—*	1	—*
Thurston	8	3.0	11	4.1	3	—*	8	3.0
Lacey	0	—*	0	—*	0	—*	1	—*
Olympia	8	3.0	11	4.2	3	—*	6	2.3
Wahkiakum	0	—*	0	—*	0	—*	1	—*
Walla Walla	3	—*	3	—*	1	—*	2	—*
Walla Walla (City)	3	—*	3	—*	1	—*	2	—*
Whatcom	7	3.7	8	4.2	2	—*	4	—*
Bellingham	7	3.7	8	4.2	2	—*	3	—*
Whitman	0	—*	0	—*	1	—*	2	—*
Pullman	0	—*	0	—*	1	—*	2	—*
Yakima	21	5.2	34	8.4	13	3.2	22	5.4
Yakima (City)	11	3.9	22	7.7	11	3.9	17	6.0

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¹Fetal death ratio = fetal deaths per 1,000 live births.

²Perinatal mortality rate = fetal deaths plus deaths to infants within first 6 days of life per 1,000 live births plus fetal deaths.

³Neonatal mortality rate = deaths to infants within first 27 days of life per 1,000 live births.

⁴Infant mortality rate = deaths to infants under one year of age per 1,000 live births.

*Rate or ratio not calculated because number of deaths was less than 5.

Table 45. Fetal Deaths by Mother's Age Group by Place of Residence, 1997

County	All Ages	Under								45 and Over	Unk
		15	15-17	18-19	20-24	25-29	30-34	35-39	40-44		
State Total	457	1	21	34	89	109	101	58	20	1	23
Adams	2	0	0	1	0	0	0	0	1	0	0
Asotin	0	0	0	0	0	0	0	0	0	0	0
Benton	11	0	0	0	0	7	4	0	0	0	0
Chelan	9	0	0	1	0	2	2	1	2	0	1
Clallam	4	0	0	0	1	2	1	0	0	0	0
Clark	26	0	0	0	6	8	9	3	0	0	0
Columbia	0	0	0	0	0	0	0	0	0	0	0
Cowlitz	7	0	0	1	2	2	1	1	0	0	0
Douglas	3	0	0	0	1	2	0	0	0	0	0
Ferry	1	0	0	0	1	0	0	0	0	0	0
Franklin	9	0	1	2	3	0	3	0	0	0	0
Garfield	2	0	0	0	2	0	0	0	0	0	0
Grant	4	0	0	0	1	2	0	1	0	0	0
Grays Harbor	4	0	0	0	3	1	0	0	0	0	0
Island	2	0	0	0	0	0	2	0	0	0	0
Jefferson	2	0	0	0	0	0	1	1	0	0	0
King	134	0	6	5	17	33	30	19	8	1	15
Kitsap	19	0	1	3	7	2	2	1	1	0	2
Kittitas	1	0	0	0	1	0	0	0	0	0	0
Klickitat	2	0	0	0	0	2	0	0	0	0	0
Lewis	8	0	2	0	2	2	1	1	0	0	0
Lincoln	1	0	0	0	0	0	1	0	0	0	0
Mason	4	0	0	0	3	0	1	0	0	0	0
Okanogan	6	0	0	1	0	2	3	0	0	0	0
Pacific	2	0	0	0	0	0	1	1	0	0	0
Pend Oreille	3	0	0	1	0	0	1	0	1	0	0
Pierce	51	0	3	10	13	8	13	2	1	0	1
San Juan	0	0	0	0	0	0	0	0	0	0	0
Skagit	5	0	1	0	0	1	1	2	0	0	0
Skamania	0	0	0	0	0	0	0	0	0	0	0
Snohomish	51	0	1	3	8	15	6	13	2	0	3
Spokane	28	0	1	2	9	7	4	3	2	0	0
Stevens	3	0	0	0	0	1	1	0	1	0	0
Thurston	15	0	1	2	2	4	4	2	0	0	0
Wahkiakum	1	0	0	0	0	1	0	0	0	0	0
Walla Walla	2	0	0	1	1	0	0	0	0	0	0
Whatcom	10	0	1	0	0	3	2	4	0	0	0
Whitman	0	0	0	0	0	0	0	0	0	0	0
Yakima	25	1	3	1	6	2	7	3	1	0	1

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Table 46. Fetal Mortality to Residents by Cause, 1997

Cause with International List Number	Number
Total All Causes	457
Congenital Anomalies (740-759)¹	80
Anencephalus (740)	8
Spina Bifida (741)	2
Other Anomalies of the Central Nervous System (742)	4
Anomalies of the Heart (745-746)	12
Other Anomalies of Circulatory System (747)	0
Anomalies of Respiratory System (748)	0
Anomalies of Digestive System (749-751)	0
Anomalies of the Genitourinary System (752-753)	0
Anomalies of Musculoskeletal System (754-756)	1
Chromosomal Anomalies (758)	35
Other and Unspecified Congenital Anomalies (743-744,757,759)	18
Certain Causes of Perinatal Morbidity and Mortality (760-779)	373
Maternal Conditions which may be Unrelated to Pregnancy (760)²	(17)
Chronic Hypertension (760.0)	7
Maternal Infections (760.2)	2
Maternal Injury (760.5)	4
Other Maternal Conditions (760.1,760.3-760.4,760.6-760.9)	4
Maternal Conditions Related to Pregnancy (761)	(43)
Incompetent Cervix (761.0)	10
Premature Rupture of Membranes (761.1)	14
Other Maternal Conditions (761.2-761.9)	19
Complications of Placenta, Cord, and Membranes (762)	(144)
Complications of Placenta (762.0-762.3)	64
Complications of Cord (762.4-762.6)	65
Complications of Membranes (762.7-762.9)	15
Complications of Labor (763)	3
Other Complications of Pregnancy and Childbirth (764-767)	31
Intrauterine Hypoxia (768)	3
Diseases of the Fetus and Ill-defined Causes (769-779)	(132)
Respiratory Conditions (769-770)	0
Infections Specific to the Perinatal Period (771)	4
Fetal Hemorrhage (772)	0
Haemolytic Disease and Other Perinatal Jaundice (773-774)	1
Endocrine and Metabolic Disturbances (775)	3
Haematological Disorders (776)	0
Disorders of Digestive System (777)	0
Conditions Involving the Integument and Temperature (778)	5
Other Conditions of Fetus (779)	119
All Other Causes (001-739,780-799)	4

¹Group totals are shown in bold.

²Sub-group totals are shown in parentheses.

Table 47. Fetal Mortality to Residents by Weight in Grams by Sex, 1997

Weight in Grams	Total	Male	Female	Unknown
State Totals	457	230	223	4
Under 1,000	198	95	102	1
1,000 - 1,499	31	14	17	0
1,500 - 1,999	30	17	13	0
2,000 - 2,499	34	14	20	0
2,500 - 2,999	29	15	14	0
3,000 - 3,499	27	14	13	0
3,500 - 3,999	15	10	5	0
4,000 - 4,499	4	2	2	0
4,500 and over	3	3	0	0
Unknown	86	46	37	3

BIRA01M1

Marriage and Divorce





Table 48. Marriages by Woman's Age and County where Ceremony was Performed, 1997

County	Total	Under											Unk
		20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 +	
State Total	42,470	3,716	11,222	9,501	5,950	4,417	2,939	2,060	1,143	495	337	541	149
Adams	137	27	43	23	16	10	7	5	3	0	2	0	1
Asotin	134	17	33	22	19	12	12	7	4	4	1	2	1
Benton	966	122	301	189	106	81	71	40	27	7	7	12	3
Chelan	781	78	201	159	102	85	68	38	20	17	4	9	0
Clallam	468	45	118	75	48	60	43	30	22	4	5	17	1
Clark	2,710	314	701	496	378	264	197	153	92	36	30	43	6
Columbia	31	5	5	4	9	3	3	1	0	0	1	0	0
Cowlitz	765	84	204	138	98	79	48	50	26	14	12	12	0
Douglas	113	15	25	27	14	11	6	7	1	1	2	2	2
Ferry	49	7	14	8	3	5	3	3	1	2	2	1	0
Franklin	422	59	138	75	53	43	19	10	12	5	6	1	1
Garfield	12	0	4	5	1	0	1	1	0	0	0	0	0
Grant	444	71	141	87	44	30	29	22	8	1	2	7	2
Grays Harbor	538	53	130	88	78	66	49	38	16	4	6	9	1
Island	602	66	174	128	68	54	36	29	17	12	7	10	1
Jefferson	270	18	43	61	40	43	18	27	11	2	1	5	1
King	12,883	588	2,883	3,545	2,168	1,428	944	590	336	144	81	143	33
Kitsap	1,760	216	547	334	213	189	109	66	41	13	8	19	5
Kittitas	215	22	64	40	25	19	16	10	5	1	2	7	4
Klickitat	104	7	27	16	17	13	8	10	3	3	0	0	0
Lewis	589	91	182	95	66	47	34	21	23	8	8	12	2
Lincoln	54	8	19	12	3	6	0	3	0	0	2	1	0
Mason	318	41	83	56	42	31	26	16	10	4	3	4	2
Okanogan	335	29	76	66	43	42	29	21	13	5	4	3	4
Pacific	225	25	49	40	22	27	23	16	9	4	1	9	0
Pend Oreille	77	7	17	10	13	8	7	6	1	5	2	0	1
Pierce	5,302	519	1,518	1,140	741	540	319	225	137	55	41	50	17
San Juan	360	11	50	90	60	59	41	13	16	10	3	4	3
Skagit	857	75	231	176	103	96	51	42	33	15	10	19	6
Skamania	104	9	23	15	11	16	9	7	6	2	4	1	1
Snohomish	3,330	267	894	704	458	386	261	172	82	35	22	43	6
Spokane	2,291	205	761	501	267	189	123	109	48	22	18	33	15
Stevens	186	30	50	29	19	15	13	16	6	2	0	6	0
Thurston	1,468	143	384	322	202	135	104	87	45	18	9	15	4
Wahkiakum	22	1	5	4	3	1	2	3	1	1	0	1	0
Walla Walla	397	54	122	67	41	34	29	19	11	4	3	7	6
Whatcom	1,167	96	342	252	152	119	80	52	28	12	16	10	8
Whitman	178	14	71	41	12	13	9	5	4	3	4	2	0
Yakima	1,804	277	548	361	192	157	92	90	25	20	8	22	12
Tribal Authority	2	0	1	0	0	1	0	0	0	0	0	0	0

Table 49. Marriages by Man's Age and County where Ceremony was Performed, 1997

County	Total	Under											Unk
		20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 +	
State Total	42,470	1,378	9,667	10,381	6,653	4,810	3,343	2,366	1,533	802	494	905	138
Adams	137	13	45	39	14	7	8	3	5	1	1	1	0
Asotin	134	5	34	30	11	15	13	8	8	2	1	6	1
Benton	966	47	280	217	127	106	79	39	28	15	8	18	2
Chelan	781	31	170	186	117	88	70	50	27	21	9	12	0
Clallam	468	13	116	87	56	51	48	35	24	9	7	22	0
Clark	2,710	118	648	554	410	309	218	155	121	62	35	76	4
Columbia	31	4	5	8	2	3	4	1	1	2	0	1	0
Cowlitz	765	30	190	167	89	77	68	51	37	17	19	19	1
Douglas	113	5	26	29	15	15	8	3	5	2	3	2	0
Ferry	49	2	13	12	3	2	2	7	3	2	1	2	0
Franklin	422	27	119	101	63	46	21	13	12	4	5	7	4
Garfield	12	0	5	4	0	2	1	0	0	0	0	0	0
Grant	444	36	123	111	54	33	29	24	16	8	1	9	0
Grays Harbor	538	15	109	110	84	66	57	36	19	14	8	16	4
Island	602	26	165	138	88	51	40	34	18	15	8	17	2
Jefferson	270	7	43	52	51	28	25	26	16	8	4	9	1
King	12,883	214	2,090	3,570	2,472	1,626	1,095	749	436	210	149	236	36
Kitsap	1,760	70	547	431	231	159	109	86	59	22	18	23	5
Kittitas	215	4	57	55	24	24	12	14	8	4	2	11	0
Klickitat	104	1	21	19	14	16	7	8	8	6	1	3	0
Lewis	589	40	142	149	68	49	41	39	16	17	12	16	0
Lincoln	54	2	19	11	7	5	5	2	0	1	1	1	0
Mason	318	13	70	74	47	32	24	21	13	11	5	5	3
Okanogan	335	14	63	71	57	42	29	20	17	11	3	7	1
Pacific	225	4	49	42	28	23	25	18	14	7	6	8	1
Pend Oreille	77	2	19	15	7	9	4	5	4	5	3	3	1
Pierce	5,302	206	1,401	1,232	795	581	402	259	166	98	52	95	15
San Juan	360	3	37	74	64	60	33	31	28	14	3	11	2
Skagit	857	32	204	178	133	90	70	50	31	20	12	35	2
Skamania	104	5	21	14	7	14	12	8	8	3	7	5	0
Snohomish	3,330	96	759	780	508	418	274	201	129	55	34	60	16
Spokane	2,291	71	633	586	293	239	164	105	65	35	26	52	22
Stevens	186	8	52	41	21	13	16	12	5	12	1	5	0
Thurston	1,468	54	344	341	212	173	120	75	73	25	10	35	6
Wahkiakum	22	0	6	2	4	2	2	1	1	0	2	2	0
Walla Walla	397	16	134	83	55	28	22	21	16	5	5	11	1
Whatcom	1,167	29	294	277	182	119	87	73	41	24	16	24	1
Whitman	178	4	52	50	25	13	10	8	5	3	1	7	0
Yakima	1,804	111	561	441	215	175	89	75	50	32	15	33	7
Tribal Authority	2	0	1	0	0	1	0	0	0	0	0	0	0

Table 50. Divorces, Annulments, and Legal Separations by County of Decree, 1997

County	Total	Divorce	Annulment	Legal Separation ¹
State Total	28,573	28,475	98	301
Adams	44	44	0	0
Asotin	116	116	0	0
Benton	696	696	0	4
Chelan	419	419	0	2
Clallam	220	220	0	1
Clark	1,345	1,343	2	7
Columbia	28	28	0	0
Cowlitz	543	543	0	3
Douglas	14	14	0	0
Ferry	33	33	0	0
Franklin	173	173	0	0
Garfield	11	11	0	0
Grant	285	283	2	3
Grays Harbor	398	398	0	1
Island	236	236	0	1
Jefferson	131	131	0	2
King	6,984	6,954	30	111
Kitsap	1,151	1,147	4	19
Kittitas	137	137	0	0
Klickitat	91	91	0	0
Lewis	369	368	1	5
Lincoln	3,121	3,099	22	27
Mason	207	207	0	0
Okanogan	158	158	0	1
Pacific	93	93	0	0
Pend Oreille	64	63	1	0
Pierce	3,252	3,242	10	40
San Juan	56	56	0	0
Skagit	530	529	1	1
Skamania	113	112	1	4
Snohomish	2,556	2,551	5	36
Spokane	1,812	1,805	7	6
Stevens	143	143	0	4
Thurston	1,094	1,089	5	11
Wahkiakum	18	18	0	1
Walla Walla	239	238	1	0
Whatcom	690	689	1	6
Whitman	121	121	0	2
Yakima	866	861	5	3
Tribal Authority	16	16	0	0

¹Since legal separations are not final dissolutions of marriage they are excluded from the total.

Table 51. Divorces and Annulments by Wife's Age and County of Decree, 1997

County	Total	Under											
		20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 +	Unk
State Total	28,573	162	2,416	4,755	4,841	4,853	3,968	2,707	1,415	643	279	314	2,220
Adams	44	1	2	9	10	4	8	3	2	2	0	0	3
Asotin	116	0	13	16	19	21	17	14	10	2	0	2	2
Benton	696	8	72	130	119	127	106	61	26	11	10	4	22
Chelan	419	5	31	86	68	79	54	48	19	5	5	4	15
Clallam	220	0	21	27	42	38	32	19	4	8	4	6	19
Clark	1,345	6	112	240	247	242	175	122	62	29	18	13	79
Columbia	28	0	7	3	6	5	3	1	0	0	2	1	0
Cowlitz	543	8	63	96	121	90	61	47	21	9	6	3	18
Douglas	14	1	0	0	2	1	3	1	1	0	0	0	5
Ferry	33	1	2	4	2	4	6	3	3	4	0	2	2
Franklin	173	1	18	27	21	32	17	7	7	2	2	3	36
Garfield	11	0	2	2	3	1	1	2	0	0	0	0	0
Grant	285	4	37	65	42	39	31	33	11	8	3	2	10
Grays Harbor	398	1	38	54	63	83	59	45	19	5	4	1	26
Island	236	4	52	49	40	27	18	19	5	4	1	4	13
Jefferson	131	0	10	14	22	22	17	14	8	7	2	8	7
King	6,984	18	342	1,101	1,156	1,145	1,032	715	391	172	56	65	791
Kitsap	1,151	4	125	198	177	193	157	106	53	20	8	20	90
Kittitas	137	0	4	14	24	38	20	16	9	5	2	2	3
Klickitat	91	0	6	15	18	15	16	6	3	4	0	0	8
Lewis	369	4	44	52	63	55	45	32	18	10	1	8	37
Lincoln	3,121	20	341	616	546	516	423	267	130	62	35	29	136
Mason	207	2	14	30	37	29	18	18	22	8	3	2	24
Okanogan	158	3	16	21	17	18	20	17	9	3	2	1	31
Pacific	93	1	5	9	20	13	13	13	4	6	0	5	4
Pend Oreille	64	0	11	8	10	8	11	4	8	1	1	0	2
Pierce	3,252	8	302	552	567	601	461	295	158	74	27	23	184
San Juan	56	2	3	5	9	11	13	8	4	1	0	0	0
Skagit	530	1	42	63	86	82	63	35	26	13	8	5	106
Skamania	113	0	5	21	21	28	15	10	7	1	1	3	1
Snohomish	2,556	14	186	410	471	434	368	238	138	46	33	32	186
Spokane	1,812	15	179	309	281	340	232	164	74	40	13	21	144
Stevens	143	2	21	16	20	17	32	11	8	5	1	2	8
Thurston	1,094	8	104	173	181	190	173	125	56	19	11	8	46
Wahkiakum	18	0	2	6	1	2	1	2	0	2	0	1	1
Walla Walla	239	5	29	33	35	36	33	34	7	8	4	7	8
Whatcom	690	6	52	94	103	103	96	55	38	12	11	14	106
Whitman	121	2	12	25	20	22	16	11	7	4	0	0	2
Yakima	866	6	89	159	150	140	102	83	45	29	5	13	45
Tribal Authority	16	1	2	3	1	2	0	3	2	2	0	0	0

Table 52. Divorces and Annulments by Husband's Age and County of Decree, 1997

County	Total	Under											Unk
		20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 +	
State Total	28,573	53	1,470	3,989	4,704	4,823	4,267	3,054	2,072	1,027	501	586	2,027
Adams	44	0	2	7	10	6	3	4	6	1	0	1	4
Asotin	116	0	2	24	17	19	18	11	14	2	4	4	1
Benton	696	4	49	91	122	128	110	68	63	16	14	15	16
Chelan	419	2	20	63	68	86	55	45	28	18	8	9	17
Clallam	220	0	9	30	38	38	35	19	10	9	8	9	15
Clark	1,345	3	58	186	231	255	210	138	85	62	15	31	71
Columbia	28	0	1	3	6	4	4	4	1	0	0	4	1
Cowlitz	543	4	38	77	102	104	86	52	35	16	10	7	12
Douglas	14	0	1	0	1	2	2	2	1	0	1	0	4
Ferry	33	1	2	2	1	6	7	5	3	2	0	3	1
Franklin	173	1	12	25	29	26	19	16	2	6	2	4	31
Garfield	11	0	1	2	1	2	1	2	1	0	0	0	1
Grant	285	1	22	52	46	54	31	26	21	8	6	7	11
Grays Harbor	398	0	26	50	52	73	59	51	36	20	4	5	22
Island	236	0	37	61	42	26	30	11	11	3	0	5	10
Jefferson	131	0	4	13	17	22	16	17	15	4	3	11	9
King	6,984	5	192	848	1,137	1,124	1,051	795	572	276	129	132	723
Kitsap	1,151	0	86	181	169	192	165	112	83	31	11	24	97
Kittitas	137	0	2	9	20	30	26	21	12	5	6	5	1
Klickitat	91	0	4	16	18	13	17	6	4	5	2	3	3
Lewis	369	1	20	55	49	64	56	36	17	15	9	9	38
Lincoln	3,121	7	221	543	557	472	463	333	176	110	53	51	135
Mason	207	1	4	21	36	34	24	24	21	5	8	7	22
Okanogan	158	0	9	21	19	16	20	18	3	15	4	5	28
Pacific	93	0	4	10	10	14	17	14	5	5	3	7	4
Pend Oreille	64	0	4	9	11	10	8	11	5	3	3	0	0
Pierce	3,252	4	202	456	571	588	510	345	207	104	41	55	169
San Juan	56	0	2	5	3	10	12	9	7	1	2	0	5
Skagit	530	0	24	59	72	83	68	47	34	18	13	14	98
Skamania	113	0	1	8	24	26	18	15	11	2	2	5	1
Snohomish	2,556	3	116	323	430	476	388	270	201	88	39	52	170
Spokane	1,812	8	111	262	300	306	251	195	129	68	30	37	115
Stevens	143	0	15	20	15	26	21	16	14	4	4	3	5
Thurston	1,094	1	57	177	180	169	169	130	95	32	22	19	43
Wahkiakum	18	0	1	7	2	1	1	2	1	1	1	1	0
Walla Walla	239	3	17	35	29	31	44	33	14	11	8	4	10
Whatcom	690	0	35	75	93	103	112	57	53	26	18	16	102
Whitman	121	1	9	26	13	23	21	12	7	5	2	0	2
Yakima	866	3	49	135	159	159	118	81	68	28	15	22	29
Tribal Authority	16	0	1	2	4	2	1	1	1	2	1	0	1

**Table 53. Divorces and Annulments by Number of Children¹
and County of Wife's Residence², 1997**

County	Total	0	1	2	3	4 +	Unknown ³
State Total	28,573	13,541	5,896	5,977	1,980	762	417
Adams	42	18	10	9	2	3	0
Asotin	104	46	25	22	6	4	1
Benton	646	294	136	148	50	18	0
Chelan	308	157	53	64	23	7	4
Clallam	223	96	47	53	19	7	1
Clark	1,404	682	266	308	94	41	13
Columbia	20	10	5	0	3	2	0
Cowlitz	520	236	104	126	44	10	0
Douglas	135	64	29	28	9	2	3
Ferry	29	15	4	4	3	1	2
Franklin	149	56	36	36	10	9	2
Garfield	11	4	5	2	0	0	0
Grant	278	117	50	60	26	22	3
Grays Harbor	376	167	85	79	31	9	5
Island	258	113	68	54	16	2	5
Jefferson	144	68	24	37	10	5	0
King	7,144	3,603	1,416	1,422	411	171	121
Kitsap	1,159	535	256	233	99	26	10
Kittitas	143	67	20	31	16	6	3
Klickitat	61	30	14	10	3	3	1
Lewis	355	148	83	74	32	14	4
Lincoln	35	13	8	10	1	2	1
Mason	235	112	48	48	15	10	2
Okanogan	150	74	30	27	9	6	4
Pacific	104	46	13	23	14	5	3
Pend Oreille	63	29	15	12	5	2	0
Pierce	3,798	1,695	841	841	267	92	62
San Juan	53	22	16	11	2	1	1
Skagit	468	186	102	113	39	20	8
Skamania	38	24	5	6	2	1	0
Snohomish	2,753	1,249	596	615	211	71	11
Spokane	2,035	931	428	452	154	51	19
Stevens	171	74	34	36	13	13	1
Thurston	1,085	506	219	264	63	17	16
Wahkiakum	14	4	4	4	2	0	0
Walla Walla	210	97	38	54	17	4	0
Whatcom	613	265	129	142	47	15	15
Whitman	116	47	20	25	21	2	1
Yakima	830	334	195	180	65	47	9
Out-of-State	1,639	977	309	219	88	26	20
Unknown	654	330	110	95	38	15	66

¹Certificate of dissolution records, "Children born alive of this marriage." All children are counted regardless of age.

²Does not include residents who obtain divorces or annulments outside of Washington State.

³The number of children counted as "unknown" is higher in 1997 than in prior years due to a correction to data entry procedures that had previously recorded some unknowns as "0" children.

Appendices



Appendix A : Technical Appendix

Sources of Data

Collection Year

Data for *Washington State Vital Statistics, 1997* are compiled from items on birth, death, fetal death, marriage and dissolution certificates received before extraction of annual datafiles in September 1998. (See Appendix F for samples of certificate forms used.)

Population

Population estimates in this report are from the Washington State Office of Financial Management, Forecasting Division, *Intercensal and Postcensal Estimates of County Population by Age and Sex: 1980-1997*, December 4, 1997 and *State of Washington 1997 Population Trends*, October 1997.

Classification of Data

Classification and coding of data on Washington State vital records follow National Center for Health Statistics (NCHS) guidelines as defined in *'Vital Statistics Instruction Manuals'* parts 1-20 (Published by US Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Center for Health Statistics, Hyattsville MD).

Demographics

Age

In 1989, the birth certificate item on mother's and father's ages was replaced by mother's and father's date of birth. The actual birth date provides more detail than the ages alone and can be used in linking birth data with other files. As of 1989, therefore, ages are computed from parents' birth dates and the date of delivery. A comparison of parents' age distributions before and after the change showed that ages calculated from birth dates are consistent with ages determined by asking the mother and that there is no substantial increase in missing data as a result of asking for the more detailed birth dates.

The death certificate contains fields for specified age at death and also birth and death dates, which are used to calculate age at death. Records where the specified and calculated ages differ were verified against hard copy certificates. Where there is a difference of one year, the calculated age was used for age at death (which assumes that the informant made an arithmetic error). Where there is a difference of greater than one year, the specified age is used.

For infant deaths (<1 year), age is measured in minutes, hours, days, or months. Some certificates may report a primary and secondary age, e.g., 1 month 2 weeks. This report uses only the primary age (e.g., 1 month). The secondary age (e.g., 2 weeks) is dropped off, so the infant's age is truncated at the primary age category.

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

Birth and death certificates use open-ended reporting of race, allowing for multiple racial entries. The determination of race for multiple racial entries 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). This change increases the number of events coded 'White' and decreases the number of events coded to other races. Thus, race-specific birth or death rates may not be comparable for the two time periods before and after the change.

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.

Child's race data tabulated in this report use the calculated child's race. In addition to this calculated race, the mother also has the choice of designating a race/Hispanic origin for her child. These designated race data are only available starting in 1992.

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.

Reporting of race/Hispanic origin on death certificates is sometimes based on observing the decedent, rather than questioning the next of kin. This procedure causes an underestimate of deaths for certain groups, particularly Native Americans, some of the Asian subgroups, and Hispanics. Thus, death rates based on death certificate data are lower than true death rates for these groups.

Because the denominator for infant mortality rates uses the race at birth, the most accurate race-specific infant mortality rates come from linked birth-infant death data files, where the child's or the mother's race at birth can be used for both the numerator and the denominator.

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) in 1988. For the first year of data collection (1988), some hospitals did not include the ethnicity item on the worksheet used to collect birth data and some facilities used the 1987 death certificate form, which did not have the ethnicity item. For this reason, Hispanic ethnicity data are less complete for 1988 than they are for later years. Rates calculated using these 1988 data will be lower than rates for other years because of this underreporting and should thus not be used to study changes in Hispanic birth or death rates.

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.

Beginning with 1996 data, Hispanic race data are used to edit the ethnicity as follows: If the ethnicity is reported as 'yes, Hispanic' with no reported country of origin, the race is checked to see if it has a specific Hispanic entry (such as 'Puerto Rican'). If so, this entry is used for the Hispanic ethnicity as well as the race. If not, the birthplace (state or country) is checked to see if it is in one of the Hispanic countries. If so, the birthplace is used to code ethnicity. If not, the ethnicity is coded as 'Unknown Hispanic'. The same procedure is used if the ethnicity is not given at all, except that in this case, if neither the race nor the birthplace has a Hispanic entry, the ethnicity is coded to 'Unknown'. This edit is consistent with National Center for Health Statistics guidelines and it provides more detail in some cases where the ethnicity item is incomplete or missing. In prior years, the ethnicity given on the certificate was accepted, regardless of whether more detail was available in other items.

County of Residence

In addition to county of residence data provided by the informant, the county was occasionally reassigned by a computer geocoding program that determines county based on street address. If a post office box is given as the address (which happens rarely), the program does not attempt to reassign the county. In these cases, the county originally specified by the informant was used. Where there were differences between the two ways of determining county of residence, the geocoded county generally overwrote the original county given by the informant. This geocoding was done for 1987-1997 births, deaths and fetal deaths. Geocoding could not be done for earlier data because address information is unreliable for those years.

In general, good agreement was found between the geocoded county and the county originally given by the informant. Differences were found for about 0.2-0.3% of the births and 0.1% of the deaths. Most of the differences were due to zip codes which cross county boundaries and the informant may not have known what the county of residence was. The differences amounted to very small proportions of births or deaths in the affected counties. Because county of residence was not geocoded for earlier years, county data will be somewhat inconsistent with data for later years. However, discrepancy rates are expected to be only about 0.2% for births and 0.1% for deaths.

In the few remaining instances in which the county or city of residence or occurrence is unknown, the county/city was imputed using NCHS guidelines. For occurrences, if the county is known but the city is not, the occurrence is set to the rural county value (no defined city). If both county and city are unknown, the occurrence is set to the occurrence county and city of the previous record. For residences, if the county is known but the city is not, the residence is set to the rural county value (no defined city). If both county and city of residence are unknown but the birth or death occurred in Washington, the residence is set to the county/city of occurrence. If both county and city of residence are unknown and the birth did not occur in Washington, the residence is set to the largest city in the state (Seattle).

Birth Risk Factors

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 and international guidelines, a birth weight equal to 2,500 grams has been shifted from the low birth weight category to the next higher weight category (i.e., 2,500-2,999). Other birth weight categories have been adjusted for consistency (e.g., the group that was 3,001-3,500 grams in earlier reports is now 3,000-3,499 grams). As of 1994, the birth weight categories published in this report have been revised, in accordance with these guidelines. Tables affected are: 2G, 3-5, 14, and 47.

The impact of the change is small in the United States, where many 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, in Washington State before 1992, if a weight in grams were recorded on the birth certificate, it was converted to pounds and ounces at data entry, then reconverted to grams for data analysis. Using this method, a weight of 2,500 grams was converted to 5-lb 8-oz, which was reconverted to 2,495 grams. Thus, no weights of exactly 2,500 grams were found. Starting in 1992, weights in grams could be directly entered into the computer. In 1992-1994, an average of 11 births per year were recorded with weights of exactly 2,500 grams (0.3% of the low birth weight births).

Even though the impact of the change is very small at the state level, it could have a larger effect on low birth weight rates for a small county, if the county has any births at 2,500 grams.

Maternal Smoking

This item has undergone some wording and placement changes over time. For 1984-88, it asked about 'Smoking at any time during the pregnancy' and was placed in the middle section of the certificate, which the mother generally completes from a worksheet. With the 1989 revision, the wording was changed to 'Tobacco use during pregnancy' (which could include smokeless tobacco) and the item was relocated to the bottom of the certificate, which is generally completed by the physician (often without access to prenatal records). The percentage of missing data increased from 4% in 1984 to 13% in 1989, possibly because the change in placement on the certificate changed the way the data were collected. To eliminate the problem and provide more comparable data, the item was changed in 1992 to its original wording and placement on the certificate. The proportion of births with unknown maternal smoking decreased to 3.7% in 1992. Thus, data for 1989-91 may not be comparable to data from other time periods.

Malformations

Malformation reporting on the birth certificate is incomplete because the person completing the certificate may not have access to the medical record or the malformation may not be evident at birth. For 1992-1995 infant deaths due to malformations, the corresponding birth data were examined to see if the malformation had been reported on the birth certificate. Reporting rates ranged from 11% for circulatory/respiratory system malformations to 64% for anencephalus. These percentages give an estimate of how well malformations are reported on birth certificates.

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.

According to the National Center for Health Statistics, more than 99% of all deaths occurring in the United States are registered in the death certificate system. The accuracy of reporting specific causes of death may vary since classification of disease conditions is a medical-legal opinion subject to the best information available to the physician, medical examiner, or coroner certifying the cause of death.

Underlying Cause Of Death

Tabulated causes of death in this report are based on the underlying cause of death. The underlying cause of death is defined as 'the disease or injury which initiated events resulting in death.' International (World Health Organization) rules are used to determine the underlying cause of

death using data supplied by the certifier in the 'cause of death' and 'other significant conditions' sections of the death certificate. The underlying cause of death receives a four-digit code. For an external event (accident, suicide, homicide, or undetermined), the same four-digit code can have two different meanings depending on the context. For example, an injury code of 950.0 means 'optic nerve injury' whereas an external event code of E950.0 means 'suicide by analgesics, antipyretics, and antirheumatics.' In nosological rules for coding underlying cause of death, one can only die of the external events that produced an injury. One does not die of the head injury (854); rather one dies of the fall from a ladder (E884.2) which resulted in the head injury. Therefore, all injury death data published in this report use the external event ('E') code rather than the nature of injury code.

Information from other sources is used to supplement the cause of death data on the certificate to determine a more precise or more accurate cause of death. The following sources are used:

1. **Queries:** For about 8% of records the certifier of the cause of death are asked for additional information because the cause of death data given are inaccurate, incomplete, or non-specific. More than 90% of these queries are returned. The underlying cause of death may change minimally or substantially as a result of these queries. Query standards change over time, which can affect trends in cause of death and death rates for Washington compared to other states or to the United States.
2. **State Patrol:** The Washington State Patrol provides information on motor vehicle accidents which is used to refine or add a more complete cause of death for these deaths, particularly related to whether the decedent was the driver or a passenger.
3. **Gun Surveillance:** In many gun-related deaths, the gun is removed from the scene so the cause of death cannot be coded to the specific type of gun involved (such as handgun or rifle). Beginning in 1995, cause of death data have been supplemented with information on type of gun from a statewide reporting system for gun-related deaths operated by the Department of Health's Injury Prevention Program. Data users should be careful not to look at specific ICD-9 gun death codes in isolation. For instance, homicide hand gun deaths (E965.0) doubled between 1994 and 1995. This increase is due to the supplemental gun surveillance information; overall homicide gun deaths (E965.0 - E965.4) decreased 14% during the same period.
4. **Labor and Industries (L&I):** For injury deaths, the death certificate asks whether the injury occurred at work or not. This item is sometime open to interpretation as to whether the injury occurred in the course of the person's work or not. Beginning with 1996, death certificate data are supplemented with results of L&I investigations of work-related injuries.

Cause of Death Groupings

Due to the detailed nature of this classification system, it is common to group ICD-9 codes into more general categories for analysis and comparison purposes. The National Center for Health Statistics (NCHS) provides one of the most commonly used classification systems in which causes of deaths for adults are grouped into 72 separate groups and deaths for infants into 61 groups. In preparing the goals for Healthy People 2000 (HP 2000), the Centers for Disease Control and Prevention (CDC) focused on a different classification of adult deaths in several areas. With the 1994-1995 annual summary, published cause of death groupings were revised as follows; to accommodate both of these classification systems as much as possible:

1. NCHS classifies diseases of the heart as ICD-9 codes 390-398, 402, 404-429; HP 2000 focuses only on ischemic heart disease which is based on ICD-9 codes 402, 410-414, 429.2. In this report, the group for heart disease now includes ICD-9 codes 390-398, 402, and 404-429. Previous heart disease groups excluded ICD-9 codes 390, 392.9, and 405 (which account for few, if any, deaths). Deaths from ICD-9 code 429.2 (Unspecified cardiovascular disease) are no longer grouped with 'Other heart disease,' but are published separately in Table 22. This format allows users to calculate a total for coronary or ischemic heart disease for comparison with HP 2000 goals;
2. NCHS classifies malignant neoplasms of trachea, bronchus and lung as ICD-9 162 in its entirety; HP 2000 focuses only on lung cancer which is a subset (ICD-9 codes 162.2-162.9). In this report (Table 23), malignant neoplasm of trachea (ICD-9 162.0) is no longer grouped with 'Lung Cancer'. These two categories are published separately to facilitate comparison with HP 2000 goals;
3. NCHS includes deaths due to legal intervention with homicide (ICD-9 E960-E978); HP 2000 examines only homicides (ICD-9 E960-E969). In this report, homicide and legal intervention deaths are published separately; and
4. NCHS uses accidental drowning and submersion (ICD-9 E910); HP 2000 includes additional codes to define drowning (ICD-9 E830, E832, E910) In Table 22 of this report, drowning due to water transport (ICD-9 E830, E832) is published separately from accidental drowning (ICD-9 E910) to facilitate comparison with HP 2000 goals.

In addition, a few other changes were made to ensure consistency with the NCHS classification scheme beginning with the report, *Vital Statistics, 1994-95*. These changes may result in differences with printed reports prior to that time. All of these changes, however, have

been incorporated into the revised series of annual summary tables available on CD-ROM or the Department of Health's website (for further information, see the "Introduction" in this report, page 11). The following items were modified:

1. Cancer: Carcinoma in situ (ICD-9 230-234) is no longer grouped with malignant neoplasms but is now included with 'Benign and Unspecified Neoplasms (ICD-9 210-239). (Deaths from carcinoma in situ rarely occur.) Malignant neoplasm of intestinal tract, part unspecified (ICD-9 159.0) is no longer grouped with 'Digestive Organs and Peritoneum - Other and Ill-Defined Sites.';
2. Diseases of the Nervous System and Sense Organs: Meningitis (ICD-9 320-322) and Alzheimer's Disease (ICD-9 331.0) are now tabulated separately. 'Other Hereditary and Degenerative Diseases of the Central Nervous System' (ICD-9 330-337) are no longer tabulated separately but are grouped with 'Other Diseases of the Nervous System and Sense Organs.'
3. Injuries: Late effects of specific injuries (ICD-9 E929) are no longer included with the specific injury (such as a fall) but are grouped as a single category 'Late Effects of Accidental Injury.'

Tables affected by these changes are: 20E, 20F, 21-24, 29A, 30A, 30B, 32, 35, 38A, 38B.

Alcohol-Related Cause of Death Categories

Prior to the 1994-95 annual summary of vital statistics, alcohol-related deaths were incorrectly classified as any deaths from ICD-9 codes 291, 303, or 305. The code 305 actually includes other drugs such as tobacco and cocaine; only 305.0 pertains specifically to alcohol abuse. Including all of ICD-9 305 causes about a 25% overestimate of alcohol-related deaths. Beginning with the 1994-1995 report, the category was corrected to include only ICD-9 codes 291, 303, and 305.0. This correction is also included in the revised series of annual summary tables contained on CD-ROM or the Department of Health's website (see page 11 of this report for more details). The table affected is: 22.

Maternal Death

Maternal deaths are those for which a maternal condition (ICD-9 codes 630-676) is given as the underlying cause of death. The World Health Organization defines a maternal death as:

The death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the

pregnancy or its management but not from accidental or incidental causes.

A death will be coded as maternal only if the death certificate notes pregnancy or a maternal condition. In 1979-1988, Washington State supplemented reported maternal deaths with results from a special study. Death certificates for women ages 15-44 were linked to birth/fetal death certificates to see if the woman had had a delivery within 42 days of the death. If so, the cause of death was examined to see if the death could have been related to the pregnancy. This special study added an average of two maternal deaths per year, a substantial change because only about three deaths per year are reported as maternal. Thus, underreporting of maternal deaths may exist in years for which this linkage procedure has not been done. Further investigation of maternal deaths is currently underway within the Department of Health.

Perinatal death

The perinatal period covers times shortly before and after birth. Thus, perinatal death includes both fetal and infant deaths. Perinatal death rates are generally more consistent between different sources than infant or fetal death rates because they eliminate the effect of judgements as to whether the fetus was alive at time of delivery. However, there are at least four definitions of perinatal death, using different combinations of fetal death gestational age and infant age at death. This report uses one National Center for Health Statistics definition: fetal deaths of 20 or more weeks' gestation plus infant deaths of less than seven days. This definition gives the second largest number of perinatal deaths among the four common definitions. Caution should be used in comparing perinatal death rates in this report with rates from other sources unless it is certain that the same definition has been used.

Marriage and Divorce Data

Residence vs. Occurrence Data

Marriages are tabulated in this report according to the county in which the marriage was performed. Divorces, annulments, and legal separations are tallied by the county in which the legal certificate was issued. Thus, the statistics calculated with this data reflect the place of occurrence of the event (e.g., marriage ceremony performed, divorce decree issued) rather than the place of residence of the individuals involved. Information on the number of marriages or divorces for all residents of Washington State is not available since residents may go elsewhere to have a marriage performed or to obtain a divorce. For marriage and divorce statistics, unlike other vital records such as births or deaths, there is no interstate agreement for the exchange of information on marriages and divorces for residents of Washington State that occur in other states.

Divorces and annulments issued in Washington State are tabulated by the wife's county of residence in one table in this report: Table 53 - Divorces and Annulments by Number of Children and County of Wife's Residence. Thus, this table, unlike the others included in this report, presents information by place of residence rather than by the place at which the legal document was issued. As shown on this table, some of the women who had divorces or annulments issued in Washington State were from out of state.

Legal Separations

In annual summaries for years prior to 1992, legal separations were included in divorce totals. Because legal separations are not final dissolutions of marriage, they have been excluded from divorce totals in annual summary tables beginning with 1992 data. This change makes Washington State's tabulations consistent with those contained in national publications by the National Center for Health Statistics. The impact of the change on trend data is small, since legal separations equal only about one to two percent of total dissolutions.

Court Orders

Prior to 1996, a small number of divorces (between 32 and 145, see Vital Statistics 1994-95 - Table 50) were submitted to the Center for Health Statistics by county clerks as court orders without filing the certificate of dissolution with the Center as required by law (RCW 70.58.055(3)). The number of such court orders were reported in a footnote in those years but were not included in divorce totals. Beginning in 1996, this problem has been corrected through the cooperation of county clerks.

Number of Children

Data on the number of children reported on the certificate of dissolution are captured by an item on the form labeled, "Children born alive of the marriage." Table 53 in this report presents the number of divorces and annulments tabulated by the number of children born to the couple regardless of the child's age (i.e., some of the children may be over 18 years of age).

Prior to 1997, in some cases, when the number of children was unknown, the number was erroneously recorded as none due to a data entry problem. Beginning in 1997, this problem was corrected. As a result, divorces for which the number of children is recorded as unknown is somewhat higher than in prior years.

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) for women of childbearing age; 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 train of morbid events leading directly or indirectly to death or the circumstances of the accident or violence which produced the 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 are not calculated when the number of events is less than 5.

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).

$$\text{(Crude) Birth Rate} = \frac{\# \text{ Live Births}}{\text{Total Population}} \times 1,000$$

$$\text{Age - Specific Birth Rate} = \frac{\# \text{ Births for Specific Age Group}}{\text{Population for Same Age Group}} \times 1,000$$

$$\text{(Crude) Death Rate} = \frac{\# \text{ Deaths}}{\text{Total Population}} \times 1,000$$

$$\text{Age - Specific Death Rate} = \frac{\# \text{ Deaths for Specific Age Group}}{\text{Population for Same Age Group}} \times 100,000$$

$$\text{Cause - Specific Death Rate} = \frac{\# \text{ Deaths for Specific Cause}}{\text{Total Population}} \times 100,000$$

$$\text{Infant Death Rate} = \frac{\# \text{ Infant Deaths}}{\text{Total Live Births}} \times 1,000$$

$$\text{Neonatal Death Rate} = \frac{\# \text{ Neonatal Deaths}}{\text{Total Live Births}} \times 1,000$$

$$\text{Postneonatal Death Rate} = \frac{\# \text{ Postneonatal Deaths}}{\text{Total Live Births}} \times 1,000$$

$$\text{Maternal Death Rate} = \frac{\# \text{ Maternal Deaths}}{\text{Total Live Births}} \times 10,000$$

$$\text{Fetal Death Ratio} = \frac{\# \text{ Fetal Deaths}}{\text{Total Live Births}} \times 1,000$$

$$\text{Perinatal Death Rate} = \frac{\# \text{ Perinatal Deaths}}{\text{Live Births} + \text{Fetal Deaths}} \times 1,000$$

Appendix B. Conversion of Birth Weight in Grams to Pounds and Ounces

Weight in Grams	Pounds and Ounces
Under 1,000	2lbs. 3 oz. and less
1,000 - 1,499	2 lbs. 4 oz. - 3 lbs. 4 oz.
1,500 - 1,999	3 lbs. 5 oz. - 4 lbs. 6 oz.
2,000 - 2,499	4 lbs. 7 oz. - 5 lbs. 8 oz.
2,500 - 2,999	5 lbs. 9 oz. - 6 lbs. 9 oz.
3,000 - 3,499	6 lbs. 10 oz. - 7 lbs. 11 oz.
3,500 - 3,999	7 lbs. 12 oz. - 8 lbs. 13 oz.
4,000 - 4,499	8 lbs. 14 oz. - 9 lbs. 14 oz.
4,500 and over	9 lbs. 15 oz. and over

appendxv.xls

One pound = 453.59 grams



Appendix C. Estimated Population, State of Washington, by Age Group by Sex, April 1, 1997

Age Group	Total	Male	Female
Total	5,606,800	2,790,441	2,816,359
Under 1 Year ¹	78,144	40,028	38,116
1 - 4	326,248	166,956	159,292
5 - 14	864,531	443,340	421,191
15 - 19	388,505	199,992	188,513
20 - 24	340,344	176,144	164,200
25 - 34	821,966	417,123	404,843
35 - 44	970,715	489,182	481,533
45 - 54	743,081	371,859	371,222
55 - 64	430,716	214,028	216,688
65 - 74	345,234	158,365	186,869
75 - 84	222,697	91,190	131,507
85 and Over	74,619	22,234	52,385

¹Population under 1 year is shown as births in current year, the denominator for infant mortality rates; other population estimates for children under 1 or aged 1-4 may differ. Two births of unknown gender were assigned as one male, one female in this table only.

Source: Office of Financial Management, Forecasting Division, "Population Estimates by Age and Sex, 1980-1997, Washington State," December 4, 1997.

Appendix D. Estimated Population of Counties and Cities of 15,000 Population and Over, April 1, 1997

Name	City	County	Name	City	County
Adams		15,800	Kittitas		31,500
Asotin		19,700	Klickitat		19,000
Benton		134,100	Lewis		68,300
Kennewick	49,090		Lincoln		9,800
Richland	36,550		Mason		47,900
Chelan		62,200	Okanogan		38,400
Wenatchee	25,160		Pacific		21,300
Clallam		66,400	Pend Oreille		11,200
Port Angeles	18,890		Pierce		674,300
Clark		316,800	Lakewood	62,240	
Vancouver	127,900		Puyallup	29,490	
Columbia		4,200	Tacoma	185,600	
Cowlitz		92,000	University Place	29,160	
Longview	33,620		San Juan		12,500
Douglas		30,800	Skagit		96,900
Ferry		7,300	Mount Vernon	22,280	
Franklin		43,900	Skamania		9,900
Pasco	25,300		Snohomish		551,200
Garfield		2,400	Edmonds	35,470	
Grant		68,300	Everett	84,130	
Grays Harbor		68,300	Lynnwood	33,070	
Aberdeen	16,690		Marysville	18,770	
Island		71,600	Mountlake Terrace	20,360	
Oak Harbor	20,190		Mukilteo	15,890	
Jefferson		26,300	Spokane		409,900
King		1,646,200	Spokane	188,300	
Auburn	36,720		Stevens		37,400
Bellevue	104,800		Thurston		197,600
Burien	27,930		Lacey	27,570	
Des Moines	27,030		Olympia	38,650	
Federal Way	75,960		Wahkiakum		3,900
Kent	62,006		Walla Walla		54,000
Kirkland	43,720		Walla Walla	29,100	
Mercer Island	21,550		Whatcom		156,200
Redmond	42,230		Bellingham	61,240	
Renton	45,920		Whitman		41,200
Sea Tac	23,320		Pullman	24,970	
Seattle	536,600		Yakima		208,700
Shoreline	50,380		Yakima	63,510	
Kitsap		229,400			
Bainbridge Island	18,920				
Bremerton	38,600				
			State Total		5,606,800

Source: Office of Financial Management, Forecasting Division, "State of Washington 1997 Population Trends," October 1997.

Appendix E. Top 100 Baby Names of Girls, 1997

Rank	First Name	N	%	Cumulative		Rank	First Name	N	%	Cumulative	
				N	%					N	%
1	EMILY	649	1.7	649	1.7	51	ALLISON	121	0.3	11,341	29.8
2	HANNAH	457	1.2	1,106	2.9	52	SOPHIA	121	0.3	11,462	30.1
3	JESSICA	441	1.2	1,547	4.1	53	AMBER	116	0.3	11,578	30.4
4	SARAH	428	1.1	1,975	5.2	54	BROOKE	114	0.3	11,692	30.7
5	SAMANTHA	421	1.1	2,396	6.3	55	CHLOE	114	0.3	11,806	31.0
6	MADISON	415	1.1	2,811	7.4	56	KATIE	112	0.3	11,918	31.3
7	MEGAN	349	0.9	3,160	8.3	57	SARA	112	0.3	12,030	31.6
8	ASHLEY	344	0.9	3,504	9.2	58	GRACE	111	0.3	12,141	31.9
9	TAYLOR	334	0.9	3,838	10.1	59	KELSEY	110	0.3	12,251	32.1
10	ELIZABETH	312	0.8	4,150	10.9	60	PAIGE	110	0.3	12,361	32.4
11	RACHEL	295	0.8	4,445	11.7	61	KATELYN	107	0.3	12,468	32.7
12	EMMA	281	0.7	4,726	12.4	62	MICHELLE	107	0.3	12,575	33.0
13	ALEXIS	274	0.7	5,000	13.1	63	SABRINA	107	0.3	12,682	33.3
14	AMANDA	254	0.7	5,254	13.8	64	GABRIELLE	106	0.3	12,788	33.6
15	LAUREN	241	0.6	5,495	14.4	65	CASSANDRA	103	0.3	12,891	33.8
16	OLIVIA	238	0.6	5,733	15.0	66	CHRISTINA	102	0.3	12,993	34.1
17	ALYSSA	232	0.6	5,965	15.7	67	KAYLEE	102	0.3	13,095	34.4
18	NICOLE	229	0.6	6,194	16.3	68	MARISSA	102	0.3	13,197	34.6
19	KAYLA	208	0.5	6,402	16.8	69	MIKAYLA	97	0.3	13,294	34.9
20	ANNA	199	0.5	6,601	17.3	70	CHEYENNE	96	0.3	13,390	35.1
21	HALEY	198	0.5	6,799	17.8	71	MAKAYLA	96	0.3	13,486	35.4
22	REBECCA	192	0.5	6,991	18.3	72	AMY	94	0.2	13,580	35.6
23	SYDNEY	191	0.5	7,182	18.8	73	ERIN	94	0.2	13,674	35.9
24	JENNIFER	190	0.5	7,372	19.3	74	MIRANDA	93	0.2	13,767	36.1
25	MORGAN	183	0.5	7,555	19.8	75	CLAIRE	92	0.2	13,859	36.4
26	HAILEY	177	0.5	7,732	20.3	76	MARY	92	0.2	13,951	36.6
27	ABIGAIL	174	0.5	7,906	20.7	77	ANDREA	90	0.2	14,041	36.8
28	VICTORIA	174	0.5	8,080	21.2	78	KYLIE	88	0.2	14,129	37.1
29	KATHERINE	173	0.5	8,253	21.7	79	ANGELA	87	0.2	14,216	37.3
30	ALEXANDRA	169	0.4	8,422	22.1	80	ISABELLA	86	0.2	14,302	37.5
31	JULIA	169	0.4	8,591	22.5	81	LAURA	85	0.2	14,387	37.8
32	BRIANNA	160	0.4	8,751	23.0	82	ALICIA	84	0.2	14,471	38.0
33	COURTNEY	159	0.4	8,910	23.4	83	MONICA	83	0.2	14,554	38.2
34	JORDAN	154	0.4	9,064	23.8	84	KATHRYN	79	0.2	14,633	38.4
35	NATALIE	152	0.4	9,216	24.2	85	MOLLY	79	0.2	14,712	38.6
36	BRITTANY	151	0.4	9,367	24.6	86	KIMBERLY	78	0.2	14,790	38.8
37	SIERRA	149	0.4	9,516	25.0	87	ALEXANDRIA	77	0.2	14,867	39.0
38	MADELINE	142	0.4	9,658	25.3	88	MICHAELA	77	0.2	14,944	39.2
39	STEPHANIE	139	0.4	9,797	25.7	89	BREANNA	76	0.2	15,020	39.4
40	DANIELLE	138	0.4	9,935	26.1	90	CHELSEA	75	0.2	15,095	39.6
41	MARIA	138	0.4	10,073	26.4	91	ERIKA	75	0.2	15,170	39.8
42	MACKENZIE	137	0.4	10,210	26.8	92	ALEXA	74	0.2	15,244	40.0
43	JASMINE	131	0.3	10,341	27.1	93	JAMIE	74	0.2	15,318	40.2
44	BAILEY	130	0.3	10,471	27.5	94	KENDRA	74	0.2	15,392	40.4
45	MELISSA	126	0.3	10,597	27.8	95	AUTUMN	72	0.2	15,464	40.6
46	SHELBY	126	0.3	10,723	28.1	96	CASSIDY	70	0.2	15,534	40.8
47	KAITLYN	125	0.3	10,848	28.5	97	HEATHER	70	0.2	15,604	40.9
48	MARIAH	125	0.3	10,973	28.8	98	LINDSEY	70	0.2	15,674	41.1
49	VANESSA	124	0.3	11,097	29.1	99	TIFFANY	68	0.2	15,742	41.3
50	SAVANNAH	123	0.3	11,220	29.4	100	MCKENZIE	67	0.2	15,809	41.5

Appendix E. Top 100 Baby Names of Boys, 1997

Rank	First Name	N	%	Cumulative		Rank	First Name	N	%	Cumulative	
				N	%					N	%
1	JACOB	731	1.8	731	1.8	51	JESSE	163	0.4	16,454	41.1
2	MICHAEL	646	1.6	1,377	3.4	52	CALEB	162	0.4	16,616	41.5
3	AUSTIN	615	1.5	1,992	5.0	53	ISAAC	162	0.4	16,778	41.9
4	ANDREW	561	1.4	2,553	6.4	54	NATHANIEL	161	0.4	16,939	42.3
5	JOSHUA	521	1.3	3,074	7.7	55	TAYLOR	160	0.4	17,099	42.7
6	TYLER	513	1.3	3,587	9.0	56	BLAKE	158	0.4	17,257	43.1
7	ALEXANDER	504	1.3	4,091	10.2	57	GABRIEL	158	0.4	17,415	43.5
8	DANIEL	479	1.2	4,570	11.4	58	TRISTAN	158	0.4	17,573	43.9
9	MATTHEW	476	1.2	5,046	12.6	59	EVAN	152	0.4	17,725	44.3
10	NICHOLAS	470	1.2	5,516	13.8	60	ISAIAH	152	0.4	17,877	44.7
11	BRANDON	442	1.1	5,958	14.9	61	TIMOTHY	149	0.4	18,026	45.0
12	KYLE	435	1.1	6,393	16.0	62	TREVOR	149	0.4	18,175	45.4
13	JOSEPH	428	1.1	6,821	17.0	63	ELIJAH	144	0.4	18,319	45.8
14	RYAN	426	1.1	7,247	18.1	64	BRIAN	140	0.3	18,459	46.1
15	CHRISTOPHER	421	1.1	7,668	19.2	65	SEAN	139	0.3	18,598	46.5
16	DAVID	420	1.0	8,088	20.2	66	ADAM	135	0.3	18,733	46.8
17	ZACHARY	414	1.0	8,502	21.2	67	SPENCER	135	0.3	18,868	47.1
18	JORDAN	343	0.9	8,845	22.1	68	JACK	132	0.3	19,000	47.5
19	SAMUEL	343	0.9	9,188	23.0	69	STEVEN	130	0.3	19,130	47.8
20	JUSTIN	341	0.9	9,529	23.8	70	COLTON	123	0.3	19,253	48.1
21	WILLIAM	339	0.8	9,868	24.7	71	DAKOTA	123	0.3	19,376	48.4
22	BENJAMIN	325	0.8	10,193	25.5	72	PATRICK	122	0.3	19,498	48.7
23	ANTHONY	320	0.8	10,513	26.3	73	RICHARD	120	0.3	19,618	49.0
24	JAMES	299	0.7	10,812	27.0	74	CHARLES	116	0.3	19,734	49.3
25	NATHAN	289	0.7	11,101	27.7	75	GARRETT	113	0.3	19,847	49.6
26	JOHN	288	0.7	11,389	28.5	76	DEVIN	109	0.3	19,956	49.9
27	JONATHAN	282	0.7	11,671	29.2	77	MASON	107	0.3	20,063	50.1
28	DYLAN	268	0.7	11,939	29.8	78	JUAN	106	0.3	20,169	50.4
29	CHRISTIAN	254	0.6	12,193	30.5	79	WYATT	106	0.3	20,275	50.6
30	CONNOR	250	0.6	12,443	31.1	80	BAILEY	104	0.3	20,379	50.9
31	AARON	248	0.6	12,691	31.7	81	LUKE	104	0.3	20,483	51.2
32	CODY	245	0.6	12,936	32.3	82	MITCHELL	104	0.3	20,587	51.4
33	ROBERT	234	0.6	13,170	32.9	83	DEREK	102	0.3	20,689	51.7
34	THOMAS	213	0.5	13,383	33.4	84	BRADLEY	100	0.2	20,789	51.9
35	NOAH	212	0.5	13,595	34.0	85	LUCAS	100	0.2	20,889	52.2
36	CAMERON	207	0.5	13,802	34.5	86	BRYCE	97	0.2	20,986	52.4
37	KEVIN	203	0.5	14,005	35.0	87	TRAVIS	97	0.2	21,083	52.7
38	LOGAN	198	0.5	14,203	35.5	88	PAUL	96	0.2	21,179	52.9
39	TANNER	190	0.5	14,393	36.0	89	LEVI	95	0.2	21,274	53.1
40	ETHAN	188	0.5	14,581	36.4	90	GAVIN	92	0.2	21,366	53.4
41	JOSE	180	0.4	14,761	36.9	91	JEREMY	91	0.2	21,457	53.6
42	HUNTER	177	0.4	14,938	37.3	92	SETH	91	0.2	21,548	53.8
43	IAN	176	0.4	15,114	37.8	93	LUIS	90	0.2	21,638	54.1
44	ALEX	175	0.4	15,289	38.2	94	MARK	89	0.2	21,727	54.3
45	CHASE	171	0.4	15,460	38.6	95	JACKSON	88	0.2	21,815	54.5
46	ERIC	170	0.4	15,630	39.0	96	CARLOS	87	0.2	21,902	54.7
47	JARED	168	0.4	15,798	39.5	97	JESUS	87	0.2	21,989	54.9
48	RILEY	166	0.4	15,964	39.9	98	ANTONIO	84	0.2	22,073	55.1
49	COLE	164	0.4	16,128	40.3	99	MARCUS	83	0.2	22,156	55.3
50	JASON	163	0.4	16,291	40.7	100	ERIK	82	0.2	22,238	55.6

Appendix F

Sample Certificates

Live Birth, Death, Fetal Death, Marriage and Divorce

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 BIRTHPLACE (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) Signature X 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

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 (Working during last year) (registered nurse, paraprofessional, manager) 38. TYPE OF BUSINESS OR INDUSTRY (hospital, newspaper publishing) 39. EDUCATION (specify only highest grade completed) Elementary / HS (9-12) / College (1-4 or 5+) 35a. 1 Yes 2 No 36a. 37a. 38a. 39a. 35b. 1 Yes 2 No 36b. 37b. 38b. 39b. 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 42. PRIOR LIVE BIRTHS (Do not include this birth) NONE NOW LIVING NOW DEAD 43. OTHER TERMINATIONS (Not live births) NONE 20 WKS OR MORE LESS THAN 20 WKS 44. TOTAL PRIOR PREGNANCIES 45. CLINICAL ESTIMATE OF GESTATION (WEEKS) DATE LAST LIVE BIRTH (MO, YR) DATE LAST SPONTANEOUS OUTBIRTH (MO, YR) DATE LAST INDUCED (MO, YR) 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 1 Medicaid 2 Self pay 3 Commercial insurance 4 Charity care 5 UNK 51. DURING PREGNANCY MOTHER PARTICIPATED IN (check all that apply) 1 WIC 2 First Steps 3 AFDC 4 Services from Local Health Dept. 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., oz.) name 56. APGAR SCORE 1 Min 2 Min 3 Min 57. INFANT TRANSFERRED TO ANOTHER FACILITY? 1 YES 2 NO 3 UNK. 58. MOTHER TRANSFERRED AFTER ATTEMPTED DELIVERY If yes, from 1 Home 2 Other

CHECK ALL BOXES 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)

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
5. Forceps
6. Vacuum extraction
7. 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)

TYPE OR PRINT IN PERMANENT BLACK INK



CERTIFICATE OF DEATH

146

LOCAL FILE NUMBER

STATE FILE NUMBER

Form with sections: DECEASED, PARENTS, DISPOSITION, CERTIFIER, CAUSE OF DEATH. Includes fields for name, birthdate, sex, death date, education, occupation, residence, and medical certification.

FOR INSTRUCTIONS SEE BACK AND HANDBOOK

DOH 110-008 (Rev. 7/91) (formerly DSHS 9-150)

A

CERTIFICATE OF FETAL DEATH

LOCAL FILE NUMBER

STATE FILE NUMBER

Form with fields 1-30 including Fetus Name, Sex, Date of Delivery, Place of Delivery, Father's Name, Mother's Name, Residence, and Registrar Signature.

Form with fields 31-59 including Medical and Health History, Occupation, Education, and Pregnancy History.

Form with fields 60-66 including Medical Risk Factors, Method of Delivery, Complications of Labor, and Conditions of Fetus.



CERTIFICATE OF MARRIAGE

146

COUNTY OF LICENSE		DATE OF APPLICATION		STATE FILE NUMBER	
I CERTIFY THE PERSONS NAMED BELOW WERE MARRIED ON		1. DATE (MO DAY YR)	2. COUNTY OF CEREMONY	3. TYPE OF CEREMONY <input type="checkbox"/> RELIGIOUS <input checked="" type="checkbox"/> CIVIL	4. DATE SIGNED (MO DAY YR)
5. OFFICIANT Signature X		6. OFFICIANT ADDRESS			
7. NAME FIRST MIDDLE LAST		8. BIRTHDATE (MO DAY YR)	9. BIRTH STATE (if not USA give country)		
10. USUAL RESIDENCE (NUMBER AND STREET)		11. CITY/TOWN/LOCATION	12. INSIDE CITY LIMITS <input type="checkbox"/> Yes <input type="checkbox"/> No	13. COUNTY	14. STATE
15. FATHER'S FULL NAME		16. BIRTH STATE (if not USA give country)	17. MOTHER'S FULL MAIDEN NAME (First / Last)		18. BIRTH STATE (if not USA give country)
19. GROOM Signature X					20. DATE SIGNED (MO DAY YR)
21. NAME FIRST MIDDLE LAST		22. MAIDEN NAME	23. BIRTHDATE (MO DAY YR)	24. BIRTH STATE (if not USA give country)	
25. USUAL RESIDENCE (NUMBER AND STREET)		26. CITY/TOWN/LOCATION	27. INSIDE CITY LIMITS <input type="checkbox"/> Yes <input type="checkbox"/> No	28. COUNTY	29. STATE
30. FATHER'S FULL NAME		31. BIRTH STATE (if not USA give country)	32. MOTHER'S FULL MAIDEN NAME (First / Last)		33. BIRTH STATE (if not USA give country)
34. BRIDE Signature X					35. DATE SIGNED (MO DAY YR)
36. WITNESS Signature X		37. WITNESS Signature X			
38. COUNTY AUDITOR Signature X					39. DATE RECEIVED (MO DAY YR)

DOH 110-009 (Rev. 8/92)

© 18



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**CERTIFICATE OF DISSOLUTION
DECLARATION OF INVALIDITY OF MARRIAGE
OR LEGAL SEPARATION**

COURT FILE NUMBER

STATE FILE NUMBER

DECREE	1. CERTIFY THE MARRIAGE OF THE PERSONS NAMED BELOW WAS ORDERED AS A	1. <input type="checkbox"/> DISSOLUTION OF MARRIAGE <input type="checkbox"/> DECLARATION OF INVALIDITY <input type="checkbox"/> LEGAL SEPARATION	2. DATE OF ENTRY (MO DAY YR)	3. COUNTY OF DECREE
	4. CLERK OF SUPERIOR COURT Signature X			

TO BE COMPLETED BY PETITIONER'S ATTORNEY OR PRO SE

HUSBAND	5. NAME FIRST MIDDLE LAST	6. BIRTHDATE (MO DAY YR)	7. BIRTHPLACE (State or Foreign Country)
	8. USUAL RESIDENCE - STREET ADDRESS	9. CITY, TOWN/LOCATION	10. INSIDE CITY LIMITS <input type="checkbox"/> YES <input type="checkbox"/> NO

WIFE	13. NAME FIRST MIDDLE LAST	14. MAIDEN NAME	15. BIRTHDATE (MO DAY YR)	16. BIRTHPLACE (State or Foreign Country)
	17. USUAL RESIDENCE (NUMBER AND STREET)	18. CITY, TOWN/LOCATION	19. INSIDE CITY LIMITS <input type="checkbox"/> YES <input type="checkbox"/> NO	20. COUNTY

22. PLACE OF THIS MARRIAGE - COUNTY	23. STATE (IF NOT USA GIVE COUNTRY)	24. DATE OF THIS MARRIAGE (MO DAY YR)	25. NUMBER CHILDREN BORN ALIVE OF THIS MARRIAGE
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26. PETITIONER <input type="checkbox"/> HUSBAND <input type="checkbox"/> WIFE <input type="checkbox"/> BOTH <input type="checkbox"/> OTHER (Specify)

27. NAME OF PETITIONER'S ATTORNEY / Pro Se	28. ADDRESS STREET CITY OR TOWN STATE ZIP
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Please Type or Print Clearly in Permanent Black Ink.

DOH 110-005 (Rev. 5/95)



