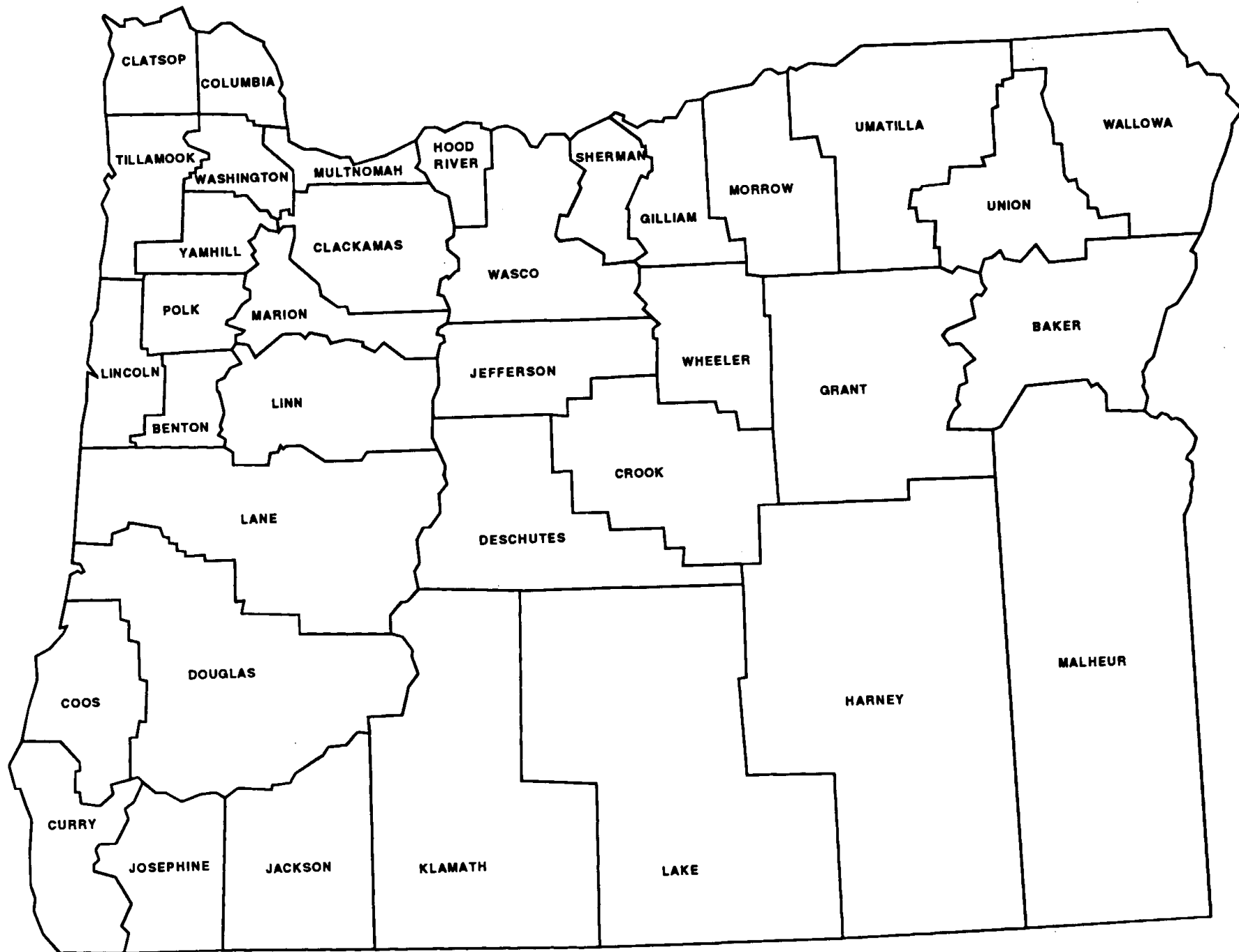

Oregon
Vital Statistics
Annual Report
1996
Vol. 2





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Oregon
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Volume 2

Oregon Department of Human Resources
Health Division
Center for Disease Prevention and Epidemiology
Center for Health Statistics

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Preface

PREFACE

“What’s past is prologue...”

Sometimes the best way to determine what direction to take is to look at where we are and back at where we have been. This is as true in matters of public health as it is in navigation. And in today’s complex society, careful planning is becoming more important than ever before.

Each year, the Oregon Health Division (OHD) publishes the Oregon Vital Statistics Annual Report, an analytical look at the health of Oregon as measured by the health of its citizens. By this means, policy makers and health care professionals have a source of important knowledge that can be used to form bases for action and benchmarks for assessing progress.

STRUCTURE OF THE REPORT

Starting with the 1992 data, the Vital Statistics Annual Report is issued in two volumes in an effort to make it easier to use.

Volume 1 presents data on births, abortions, and teen pregnancy.

Volume 2 presents data on deaths (all ages), perinatal deaths, and adolescent suicide attempts.

Marriage and divorce data are no longer published in the report, but simple, unpublished cross-tabulations are available by calling the Center for Health Statistics.

Comprehensive information on communicable diseases can be obtained by contacting the OHD Center for Disease Prevention and Epidemiology.

The more significant demographic and public health issues are discussed in the narrative sections that open each chapter. These narratives are accompanied by charts, graphs, and sidebar tables. Readers can research their own areas of interest by using the data in the many tables at the end of each section. You can also refer to other OHD reports for more detail on the specific issues summarized in this report. Recent publications are listed on the back inside cover of this report.

A COOPERATIVE EFFORT

The presentation of data in this report is the final stage of a long, ongoing process that begins with the prompt, accurate recording of vital events. This registration system ensures that the information is collected, kept secure, and made available to individuals and their families when needed for documentation. Tabulation and analysis of the data by the Oregon Center for Health Statistics provide useful information about the health and social changes occurring in Oregon.

Vital Statistics has been called “the eyes and ears of public health,” and is, in fact, the only organized system of health records covering the entire population. The collection of data is a highly cooperative effort that depends on the participation of a great many people throughout the state.

THE PROVIDERS OF SERVICES

Those who provide the services associated with vital events are the first participants in the collection system.

The birth attendant completes both the legal document and the confidential statistical section of the birth certificate. For deaths, the funeral director or person who first assumes responsibility for the body files the death or fetal death certificate. A physician completes the medical portion of these death certificates, except in cases of found bodies and unnatural deaths, which are certified by the medical examiner. Hospital medical records personnel help to ensure that all certificates are complete and accurate.

These service providers then file the completed certificates with the county registrars in the county where the event occurred.

Abortions and adolescent suicide attempts are treated differently. The providers of induced abortions file the completed statistical reports (which contain no identifying information) directly with the state registrar. Adolescent suicide attempts (again without identifying information) are reported by the hospitals treating the attempters.

COUNTY OFFICIALS

County registrars play an important role by further assuring the completeness and accuracy of birth, death, and fetal death registration. They check the certificates against other sources of information to make certain no events are missed. County registrars also follow up any incomplete items before sending the certificates to the state registrar at the Center for Health Statistics.

CENTER FOR HEALTH STATISTICS

At the state level, the staff of the Center for Health Statistics perform additional checks for completeness and accuracy. A field representative makes contact with providers and county registrars. Clerical staff send correspondence seeking additional information on such matters as causes of death, birthweight, and tobacco use. Microfilmmers store certificates so that certified copies can be made. Coders and data entry personnel turn the collected information into computerized data, which are then retrieved by programmers, analyzed by researchers, and made available for demographic and public health needs.

OTHER STATES

This report does not overlook events relating to Oregon residents that occurred in another state. The Centers for Health Statistics in each U.S. state and Canadian province have agreed to forward copies of birth, death, and fetal death certificates to the state where the person usually resided. A cooperative agreement also exists for reports on induced termination of pregnancy; however, some states collect no resident information on these reports and, therefore, cannot participate in the exchange.

Among all these participants, it is clear there is no single recorder. The many hundreds of people throughout Oregon who record the major life events of our citizens have all played important roles in preparing this report. It could not have been achieved without them.

Quick Reference: Volume 2

SUMMARY OF OREGON VITAL EVENTS, 1996

POPULATION	3,181,000	Population increased 49,000, or 1.6 percent over 1995.
DEATHS NUMBER RATE	RESIDENTS 28,900 9.1	Number of deaths increased by 710. Rate increased by 1.1 percent.
INFANT DEATHS NUMBER RATE	RESIDENTS 244 5.6	Number of infant deaths decreased by 18. Rate decreased by 8.2 percent.
NEONATAL DEATHS NUMBER RATE	RESIDENTS 145 3.3	Both the number and rate increased, but not significantly.
MATERNAL DEATHS NUMBER RATIO	RESIDENTS 2 4.6	Oregon's average maternal death rate for five years (7.6) is slightly but not statistically significantly higher than the U.S. five-year rate between 1992 and 1996.

Crude death rates are per 1,000 population; infant and neonatal death rates per 1,000 live resident births; maternal death ratio per 100,000 live resident births.

**TABLE 5-1.
DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS,
AND FETAL DEATHS, U.S., 1945-1996**

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATIO
1945	1,401,719	10.6	5,668	207.2	104,684	38.3	66,593	24.3	65,513	23.9
1946	1,395,617	10.0	5,153	156.7	111,063	33.8	79,079	24.0	74,849	22.8
1947	1,445,370	10.1	4,978	134.5	119,173	32.2	84,296	22.8	77,917	21.1
1948	1,444,337	9.9	4,122	116.6	113,169	32.0	78,426	22.2	72,838	20.6
1949	1,443,607	9.7	3,216	90.3	111,531	31.3	76,326	21.4	70,584	19.8
1950	1,452,454	9.6	2,960	83.3	103,825	29.2	72,855	20.5	68,262	19.2
1951	1,482,099	9.7	2,812	75.0	106,702	28.4	75,192	20.0	70,569	18.8
1952	1,496,838	9.6	2,610	67.8	109,413	28.4	76,253	19.8	70,447	18.3
1953	1,517,541	9.6	2,385	61.1	108,405	27.8	76,332	19.6	69,393	17.8
1954	1,481,091	9.2	2,105	52.4	106,791	26.6	76,724	19.1	70,109	17.5
1955	1,528,717	9.3	1,901	47.0	106,903	26.4	77,351	19.1	69,153	17.1
1956	1,564,476	9.4	1,702	40.9	108,183	26.0	78,659	18.9	68,659	16.5
1957	1,633,128	9.6	1,746	41.0	112,094	26.3	81,088	19.1	69,561	16.3
1958	1,647,886	9.5	1,581	37.6	113,789	27.1	81,798	19.5	69,355	16.5
1959	1,656,814	9.4	1,588	37.4	112,008	26.4	80,778	19.0	68,613	16.2
1960	1,711,982	9.5	1,579	37.1	110,873	26.0	79,733	18.7	68,480	16.1
1961	1,701,522	9.3	1,573	36.9	107,956	25.3	78,482	18.4	68,767	16.1
1962	1,756,720	9.5	1,465	35.2	105,479	25.3	76,346	18.3	66,421	15.9
1963	1,813,549	9.6	1,466	35.8	103,390	25.2	74,648	18.2	64,640	15.8
1964	1,798,051	9.4	1,343	33.3	99,783	24.8	72,026	17.9	65,931	16.4
1965	1,828,136	9.4	1,189	31.6	92,866	24.7	66,419	17.7	60,859	16.2
1966	1,863,149	9.5	1,049	29.1	85,516	23.7	61,941	17.2	56,637	15.7
1967	1,851,323	9.4	987	28.0	79,028	22.4	58,127	16.5	54,934	15.6
1968	1,930,082	9.7	859	24.5	76,263	21.8	56,456	16.1	55,293	15.8
1969	1,921,990	9.5	801	22.2	75,073	20.9	56,085	15.6	50,749	14.1
1970	1,921,031	9.5	803	21.5	74,667	20.0	56,279	15.1	52,961	14.2
1971	1,927,542	9.3	668	18.8	67,981	19.1	50,496	14.2	47,818	13.4
1972	1,963,944	9.4	612	18.8	60,182	18.5	44,432	13.6	41,380	12.7
1973	1,973,003	9.3	477	15.2	55,581	17.7	40,664	13.0	38,309	12.2
1974	1,934,388	9.1	462	14.6	52,776	16.7	38,738	12.3	36,281	11.5
1975	1,892,879	8.8	403	12.8	50,525	16.1	36,416	11.6	33,796	10.7
1976	1,909,440	8.8	390	12.3	48,265	15.2	34,587	10.9	33,111	10.5
1977	1,899,597	8.6	373	11.2	46,975	14.1	32,860	9.9	33,052	9.9
1978	1,927,788	8.7	321	9.6	45,945	13.8	31,618	9.5	32,301	9.7
1979	1,913,841	8.5	336	9.6	45,665	13.1	30,980	8.9	32,969	9.4
1980	1,989,841	8.8	334	9.2	45,526	12.6	30,618	8.5	33,353	9.2
1981	1,977,981	8.6	309	8.5	43,305	11.9	28,000	7.8	32,596	9.0
1982	1,974,797	8.5	292	7.9	42,401	11.5	28,000	7.6	32,694	8.9
1983	2,019,201	8.6	290	8.0	40,627	11.2	26,507	7.3	30,752	8.5
1984	2,039,369	8.6	285	7.8	39,580	10.8	25,691	7.0	30,099	8.2

**TABLE 5-1.
DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS,
AND FETAL DEATHS, U.S., 1945-1996 (CONTINUED)**

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATIO
1985	2,086,440	8.7	295	7.8	40,030	10.6	26,179	7.0	29,661	7.9
1986	2,105,361	8.7	272	7.2	38,891	10.4	25,212	6.7	28,972	7.7
1987	2,123,323	8.7	251	6.6	38,380	10.0	24,940	6.5	29,349	7.7
1988	2,167,999	8.8	330	8.4	38,910	10.0	24,690	6.3	29,442	7.5
1989	2,150,466	8.7	320	7.9	39,655	9.8	24,800	6.2	30,469	7.6
1990	2,148,463	8.6	343	8.2	38,351	9.2	23,920	5.8	31,386	7.5
1991	2,169,518	8.6	323	7.9	36,766	8.9	22,978	5.6	30,160	7.3
1992	2,175,613	8.5	318	7.8	34,628	8.5	21,849	5.4	30,256	7.4
1993	2,268,553	8.8	302	7.5	33,466	8.4	21,174	5.3	28,766	7.2
1994	2,278,994	8.8	328	8.3	31,710	8.0	20,250	5.1	27,937	7.1
1995	2,312,132	8.8	277	7.1	29,583	7.6	19,155	4.9	27,294	7.0
1996	2,314,690	8.7	294	7.6	28,487	7.3	18,572	4.8	27,069	6.9

Rate per 1,000 population for deaths.

Rate per 1,000 live births for infant and neonatal deaths.

Rate per 100,000 live births for maternal deaths.

Ratio per 1,000 live births for fetal deaths.

The following federal publications are the sources for federal data: Final Mortality Data for 1996, National Vital Statistics Reports. Vol. 47, No. 9. November 1998. Vital Statistics of the United States, Volumes 1-3, lists historical data. The number of fetal deaths for 1985-1991 are from Hoyert, D.L. "Perinatal Mortality in the United States: 1985-1991." U.S. Department of Health and Human Services, Public Health Services, Centers for Disease Control and Prevention, National Center for Health Statistics, 20 (26) August 1995. 1992-1996 fetal deaths, personal communication with Joyce Martin, NCHS.

TABLE 5-2.
DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS,
AND FETAL DEATHS, OREGON, 1908-1996

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATIO
1908	4,970	8.0	59	709.0	676	81.2	-	-	-	-
1909	5,470	8.4	70	808.7	756	80.7	-	-	-	-
1910	6,089	9.0	91	991.7	733	79.9	-	-	-	-
1911	6,360	9.2	91	951.7	753	78.7	-	-	-	-
1912	5,898	8.4	63	563.1	653	58.6	-	-	-	-
1913	6,714	9.4	60	543.8	684	61.9	-	-	-	-
1914	6,446	8.9	72	619.4	577	49.6	-	-	-	-
1915	6,718	9.1	74	605.0	583	47.6	-	-	-	-
1916	7,107	9.5	88	679.0	725	55.9	-	-	-	-
1917	7,349	9.7	87	661.7	837	63.6	-	-	-	-
1918	9,842	12.8	106	797.3	907	68.2	-	-	-	-
1919	8,881	11.4	101	740.6	845	61.9	-	-	-	-
1920	9,186	11.6	112	749.0	927	61.9	-	-	-	-
1921	8,324	10.2	117	749.7	791	50.6	-	-	-	-
1922	9,381	11.3	115	762.2	886	58.7	-	-	-	-
1923	8,983	10.6	103	687.0	853	56.9	-	-	-	-
1924	9,511	11.1	94	594.3	834	52.7	-	-	-	-
1925	9,596	10.9	95	609.8	787	50.5	-	-	-	-
1926	9,885	11.1	85	569.4	769	51.5	-	-	-	-
1927	10,222	11.2	91	621.7	693	47.3	-	-	-	-
1928	10,493	11.3	86	607.4	651	46.0	-	-	410	29.0
1929	10,680	11.3	75	566.3	633	47.7	-	-	415	31.4
1930	10,544	11.0	81	601.2	671	49.8	-	-	390	28.9
1931	10,245	10.6	61	461.2	578	43.7	-	-	360	27.2
1932	10,272	10.5	64	498.2	530	41.3	-	-	322	25.1
1933	10,450	10.5	64	523.4	493	40.3	-	-	329	26.9
1934	10,539	10.5	79	604.4	519	39.7	-	-	320	24.5
1935	11,429	11.2	72	547.8	537	40.8	-	-	300	22.8
1936	12,434	12.0	77	545.4	626	44.3	409	29.0	300	21.5
1937	12,369	11.8	56	361.4	649	41.9	415	26.8	340	22.4
1938	11,777	11.1	53	324.5	631	38.6	418	25.6	353	21.6
1939	11,779	11.0	43	257.1	580	34.7	381	22.8	322	19.3
1940	12,329	11.3	45	256.8	592	33.2	413	23.6	365	20.8
1941	12,123	10.9	43	228.9	589	30.7	397	20.9	333	17.7
1942	12,520	10.9	37	166.0	669	30.0	456	20.4	362	16.2
1943	13,440	11.5	37	145.8	776	30.6	466	18.4	-	-
1944	12,580	10.3	41	147.9	706	30.1	504	21.5	454	19.4
1945	12,325	10.0	29	124.3	660	28.3	473	20.3	402	17.2
1946	12,828	9.5	28	94.7	803	27.2	594	20.1	515	17.4
1947	13,460	9.5	35	96.7	896	24.8	645	17.8	562	15.5
1948	13,872	9.4	15	42.9	892	25.5	671	19.2	508	14.5
1949	13,698	9.1	20	57.0	862	24.6	661	18.9	488	13.9
1950	13,888	9.1	22	61.1	816	22.7	627	17.4	493	13.7
1951	14,489	9.2	5	13.4	883	23.7	637	17.1	498	13.3
1952	14,438	9.0	11	27.7	951	23.9	696	17.5	500	12.6
1953	14,598	8.9	15	37.6	938	23.5	680	17.1	524	13.1
1954	14,665	8.8	9	23.3	868	22.5	632	16.4	512	13.3

**TABLE 5-2.
DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS,
AND FETAL DEATHS, OREGON, 1908-1996 (CONTINUED)**

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATIO
1955	15,303	9.1	8	20.7	934	24.1	681	17.6	497	12.8
1956	15,328	8.8	11	28.6	887	23.1	645	16.8	504	13.1
1957	15,633	9.0	8	21.1	828	21.9	587	15.5	499	13.2
1958	15,449	8.9	6	16.5	844	23.3	597	16.4	448	12.3
1959	16,699	9.4	9	24.6	927	25.3	664	18.1	469	12.8
1960	16,787	9.5	14	36.5	891	23.2	635	16.6	493	12.9
1961	16,885	9.3	8	21.3	861	23.0	604	16.1	454	16.1
1962	17,221	9.4	7	18.9	811	21.9	554	15.0	461	12.5
1963	18,017	9.7	7	20.1	747	21.4	551	15.8	410	11.8
1964	18,138	9.5	4	11.9	754	22.5	532	15.9	402	12.0
1965	18,133	9.2	1	3.0	696	21.1	477	14.5	421	12.8
1966	18,979	9.5	3	9.2	697	21.5	506	15.6	387	11.9
1967	18,908	9.4	4	12.7	616	19.6	436	13.9	395	12.6
1968	19,017	9.3	3	9.3	637	19.8	460	14.3	365	11.4
1969	19,548	9.4	4	11.8	592	17.5	410	12.1	194	*
1970	19,530	9.3	5	14.1	555	15.7	381	10.8	486	13.7
1971	20,087	9.4	5	15.0	615	18.4	416	12.5	408	12.2
1972	20,216	9.3	5	16.0	528	16.9	359	11.5	391	12.5
1973	20,881	9.4	1	3.2	466	15.1	329	10.6	312	10.1
1974	20,320	9.0	3	9.2	488	15.0	330	10.2	266	8.2
1975	20,142	8.8	3	9.0	502	15.1	330	9.9	284	8.5
1976	20,459	8.7	0	0.0	444	12.7	277	8.0	280	8.0
1977	20,457	8.5	5	13.3	453	12.1	293	7.8	283	7.6
1978	20,870	8.4	2	5.1	502	12.9	299	7.7	302	7.8
1979	21,024	8.3	1	2.4	450	10.8	276	6.6	307	7.4
1980	21,756	8.3	1	2.3	521	12.1	303	7.0	294	6.8
1981	21,798	8.2	3	7.0	466	10.8	299	7.0	298	6.9
1982	21,594	8.1	8	19.5	433	10.6	253	6.2	253	6.2
1983	22,361	8.5	6	15.0	385	9.6	215	5.4	268	6.7
1984	23,101	8.7	5	10.1	388	9.8	190	4.8	257	6.5
1985	23,824	8.9	4	10.1	387	9.8	211	5.3	237	6.0
1986	23,328	8.8	4	10.3	368	9.5	183	4.7	268	6.9
1987	24,181	9.0	2	5.2	402	10.4	213	5.5	222	5.7
1988	24,557	9.0	3	7.5	339	8.5	181	4.5	235	5.9
1989	24,679	8.8	4	9.7	364	8.8	205	5.0	230	5.6
1990	25,073	8.8	3	7.0	354	8.3	182	4.2	262	6.1
1991	24,935	8.5	3	7.0	307	7.2	172	4.0	261	6.1
1992	25,714	8.6	3	7.2	297	7.1	158	3.8	243	5.8
1993	27,596	9.1	7	16.8	297	7.1	154	3.7	204	4.9
1994	27,361	8.9	4	9.6	295	7.1	164	3.9	224	5.4
1995	28,190	9.0	0	0.0	262	6.1	137	3.2	237	5.5
1996	28,900	9.1	2	4.6	244	5.6	145	3.3	251	5.8

- Data not available.

* Incomplete total.

Rate per 1,000 population for deaths.

Rate per 100,000 live births for maternal deaths.

Rate per 1,000 live births for infant and neonatal deaths.

Ratio per 1,000 live births for fetal deaths.

**TABLE 5-3.
DEATHS, INFANT DEATHS, NEONATAL DEATHS, AND FETAL DEATHS,
BY COUNTY OF RESIDENCE, OREGON, 1996**

COUNTY OF RESIDENCE	DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	28,900	9.1	244	5.6	145	37.3	251	5.8
BAKER	182	11.0	0	0.0	0	0	0	-
BENTON	432	5.7	4	4.8	3	3.6	4	4.8
CLACKAMAS	2442	7.8	25	6.2	17	4.2	24	5.9
CLATSOP	393	11.4	1	2.5	1	2.5	1	2.5
COLUMBIA	360	9.0	3	5.9	2	3.9	1	2
COOS	805	13.0	4	6.2	1	1.6	6	9.3
CROOK	178	11.2	0	0.0	0	0	0	-
CURRY	286	13.0	2	11.1	2	11.1	1	5.6
DESCHUTES	825	8.4	7	5.4	3	2.3	7	5.4
DOUGLAS	1114	11.3	6	5.4	4	3.6	7	6.3
GILLIAM	20	10.5	0	0.0	0	0	0	-
GRANT	75	9.3	0	0.0	0	0	0	-
HARNEY	66	8.8	0	0.0	0	0	2	24.4
HOOD RIVER	158	8.3	1	3.3	1	3.3	0	-
JACKSON	1808	10.8	11	5.3	8	3.9	12	5.8
JEFFERSON	160	9.5	4	12.2	2	6.1	2	6.1
JOSEPHINE	924	12.8	3	3.6	2	2.4	6	7.2
KLAMATH	578	9.4	7	8.4	5	6	8	9.6
LAKE	87	11.5	3	39.5	2	26.3	0	-
LANE	2717	8.9	25	6.8	16	4.4	19	5.2
LINCOLN	545	12.9	2	4.6	0	0	3	6.9
LINN	998	10.0	8	5.7	2	1.4	8	5.7
MALHEUR	273	9.5	2	4.2	2	4.2	2	4.2
MARION	2378	9.0	33	7.5	23	5.2	27	6.1
MORROW	66	7.3	0	0.0	0	0	0	-
MULTNOMAH	5915	9.3	49	5.4	25	2.7	56	6.1
POLK	498	8.8	3	4.4	1	1.5	6	8.9
SHERMAN	24	12.6	0	0.0	0	0	1	50
TILLAMOOK	271	11.4	0	0.0	0	0	1	4.3
UMATILLA	613	9.4	8	8.0	5	5	1	1
UNION	237	9.7	1	3.4	1	3.4	2	6.7
WALLOWA	67	9.2	2	26.0	1	13	0	-
WASCO	271	12.0	2	6.9	1	3.5	2	6.9
WASHINGTON	2494	6.6	24	3.8	13	2.1	35	5.6
WHEELER	22	13.8	0	0.0	0	0	0	-
YAMHILL	618	8.0	4	3.8	2	1.9	7	6.6

NOTE: Rate per 1,000 population for deaths.

Rate per 1,000 live births for infant, neonatal, and fetal deaths.

- Quantity is zero.

**TABLE 5-4.
NEW OREGON BENCHMARKS MEASURED BY HEALTH DIVISION DATABASES**

REF. NO.	NEW OREGON BENCHMARKS	UNIT OF MEASURE (PER)	YEAR	INDICATORS	
				CUR-RENT	YEAR 2000 GOAL
43	Teen pregnancy rate	1000 females 10-17	1996	18.8	15
44	Percentage of babies whose mothers received early prenatal care (beginning in the first trimester)	100 births	1996	80.0	90
45	Infant mortality rate	1000 births	1996	5.6	6
46	Percentage of two-year olds who are adequately immunized	percent	1996	72.0	90
47	Annual percentage of new HIV cases with an early diagnosis (before symptoms occur)	% of positive cases	1996	72.0	85
48	Percentage of adults who do not currently smoke tobacco	percent	1996	76.3	81
49	Premature mortality: Years of potential life lost before age 70	1000 population 0-69	1996	59.6	57.4
50	Percentage of adults whose self-perceived health status is very good or excellent	percent	1996	60.2	65
56a	Percentage of infants whose mothers used alcohol during pregnancy (self-report)	100 births	1996	2.0	2
56b	Percentage of infants whose mothers used tobacco during pregnancy (self-report)	100 births	1996	18.0	15
66	Percentage of students who carry weapons	percent	1997	19.1	15
71	Percentage of Oregonians served by public drinking water systems that meet health-based standards	percent	1996	55.0	75

NOTE: The Oregon Benchmarks were reduced from 259 to 92 as part of the state's updated strategic plan *Oregon Shines II: Updating Oregon's Strategic Plan, A Report to the People of Oregon, January 21, 1997*. Oregon Health Division databases are used to measure 12 Benchmarks.

**New Oregon Benchmarks measured by Health Division Databases from
*Oregon Shines II: Updating Oregon's Strategic Plan - A Report to the People
of Oregon, January 21, 1997. Oregon Progress Board***

- 43 Source: Birth Certificate Statistical File and Abortion Statistical File. Pregnancy rates are the sum of resident live births and induced abortions divided by the estimated population.* Spontaneous abortions and fetal deaths are not included. Pregnancy rates include live births to Oregon residents and abortions for Oregon residents regardless of where the abortion was performed. Out of state abortions for Oregon residents may be under-reported because some states where Oregon residents go to have abortions do not report the patient's state of residence.
- 44 Source: Birth Certificate Statistical File. Resident live births to women who have prenatal care visits beginning in the first trimester divided by the total number of resident live births.
- 45 Source: Death Certificate Statistical File and Birth Statistical File. Infants who die within one year of birth divided by the number of resident live births during the same calendar year.
- 46 Source: National Immunization Survey, CDC. (Prior to 1996, source: Baby Shot Survey, Immunization Program, Center for Child and Family Health.)
- 47 Source: HIV Program, Center for Disease Prevention and Epidemiology. Persons diagnosed with asymptomatic HIV disease divided by the total number of persons diagnosed with HIV during the calendar year.
- 48 Source: Behavioral Risk Factor Surveillance System (BRFSS). Adults (≥ 18 years of age) who report that they do not now smoke cigarettes divided by the total number of survey respondents.
- 49 Source: Death Certificate Statistical File. Years of potential life lost (YPLL) quantifies premature mortality occurring in younger age groups by measuring the number of years between age at death and age 70. This composite figure first calculates the age-specific YPLL for each of 7 age groupings 0-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, and 65-69 by taking the midpoint for each age group, subtracting from 70, and multiplying by the number of deaths in each age group. The resulting number for each age group is then divided by the age-specific population and standardized (weighted) to an age-homogeneous hypothetical population of 1,000 people per every 10-year age group. Standardizing permits valid comparisons over time. The weighted numbers are summed across ages, then divided by seven (seven 10-year age groups).
- 50 Source: Behavioral Risk Factor Surveillance System (BRFSS). Adults (≥ 18 years of age) who report that their general health is very good or excellent divided by the total number of survey respondents.
- 56a Source: Birth Certificate Statistical File. Resident live births whose mothers reported using alcohol during pregnancy divided by the total number of resident live births.
- 56b Source: Birth Certificate Statistical File. Resident live births whose mothers reported using tobacco during pregnancy divided by the total number of resident live births.
- 66 Source: Youth Risk Behavior Survey. Survey respondents in grades 9-12 who report carrying a weapon (such as a knife, gun, or club) within 30 days of the survey divided by the total survey respondents. (Survey was not administered in 1996.)
- 71 Source: Safe Water System, Drinking Water Program, Center for Environmental Health Systems.

* All population estimates are from the *Population Estimates for Oregon*, published annually by the Center for Population Research and Census, School of Urban and Public Affairs, Portland State University.

Mortality

ALL CAUSES

During 1996, Oregon's death rate rose 1.0 percent to 908.5 per 100,000 population, up from 900.1. In four of the past five years the rate increased. Prior to 1992 it had been following a consistent downward trend, declining annually since 1987. [Figure 6-1; Table 6-3]. During 1996, a record 28,900 Oregonians died, 2.5 percent more than during the previous year.

Noteworthy increases occurred in the death rates for two causes: chronic obstructive pulmonary disease (up 13%) and Alzheimer's disease (up 6.0%). Both were record highs. The diabetes rate, too, continued its apparently inexorable climb, reaching a record 23.2 deaths per 100,000 population.

Between 1995 and 1996, the age-specific death rates increased for 15- to 24 year-olds and for residents 65 or older; the largest increase (12%) occurred among the former. Males have consistently had higher death rates than females, but the gap is narrowing. In 1986 the rate for males was 19 percent higher; by 1996 it was just 6.6 percent higher. The median age at death was 77 years, 80 for females and 74 for males. On average, an Oregonian died every 19 minutes during 1995.

Oregon's 1995 crude death rate for all causes combined was slightly higher than the nation's (880.0). However, its 1995 age-adjusted death rate was 6.8 percent lower than the nation's. [Table 6-42]¹. (Age-adjusted death rates control for the effect of the age distribution of a population on its death rate. Any remaining differences are due to factors other than age.)

On average, an Oregonian died every 19 minutes during 1996 .

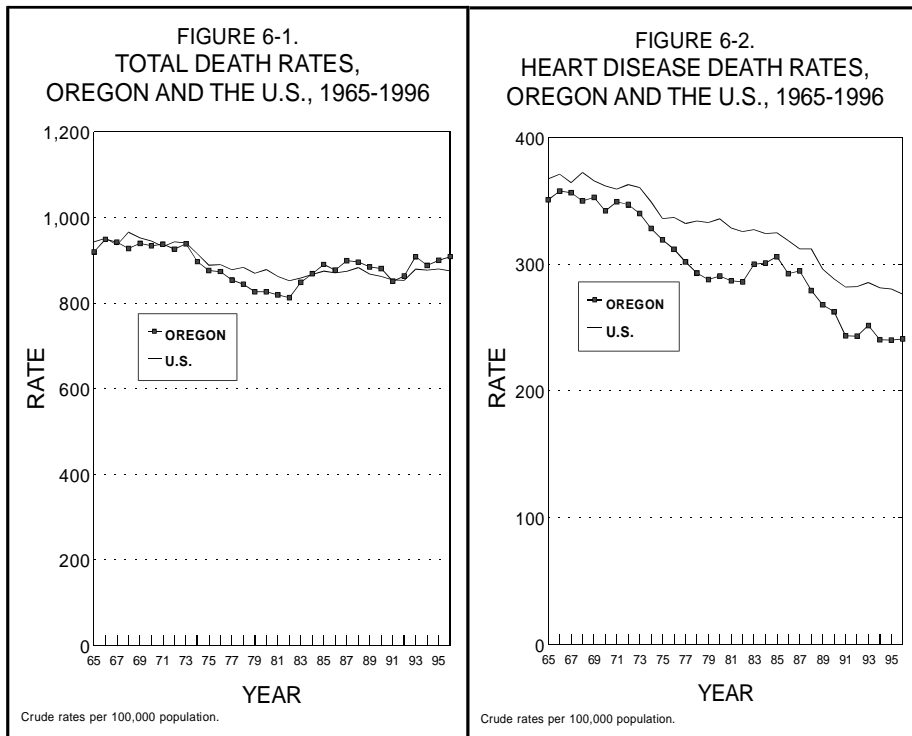
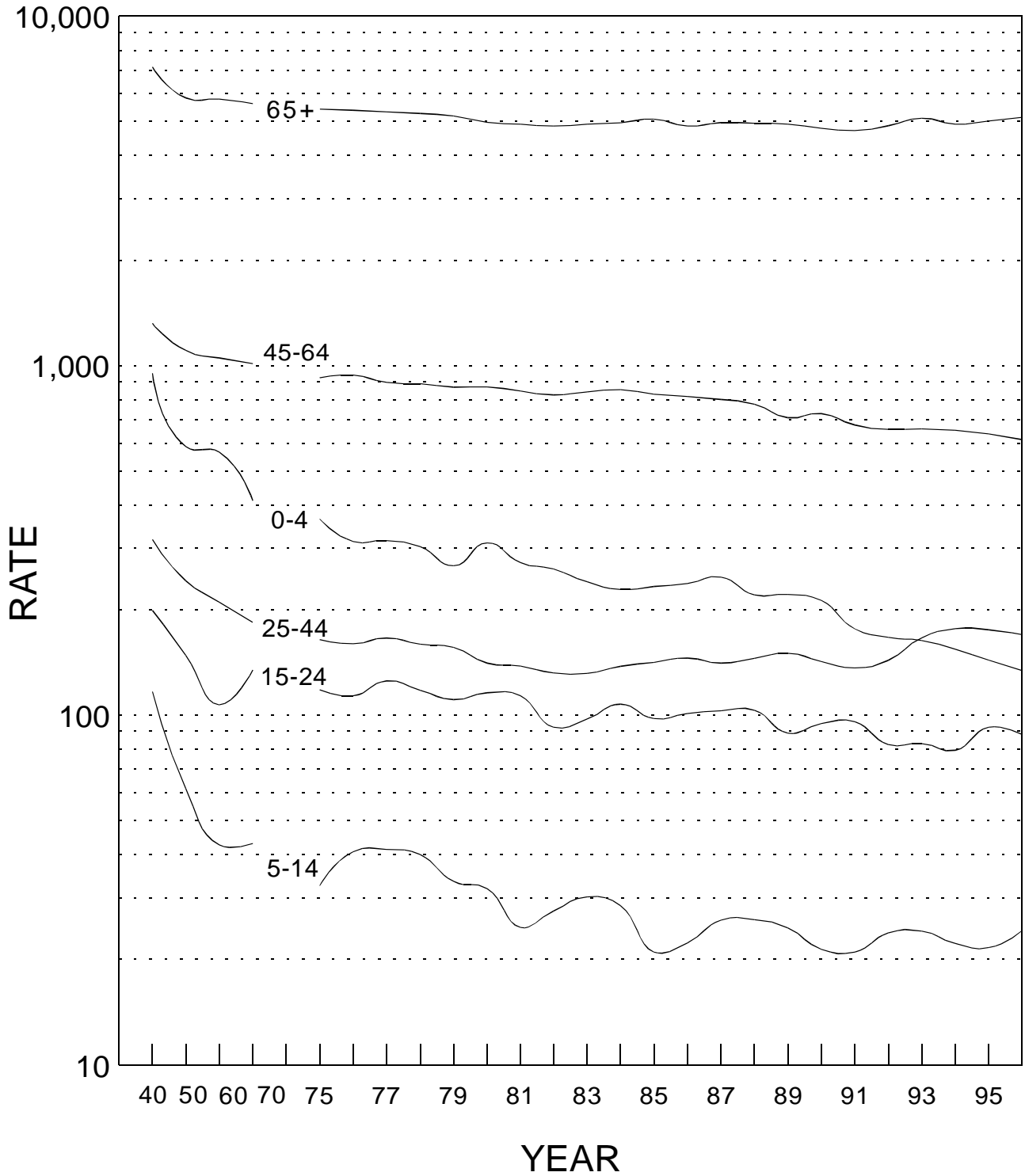
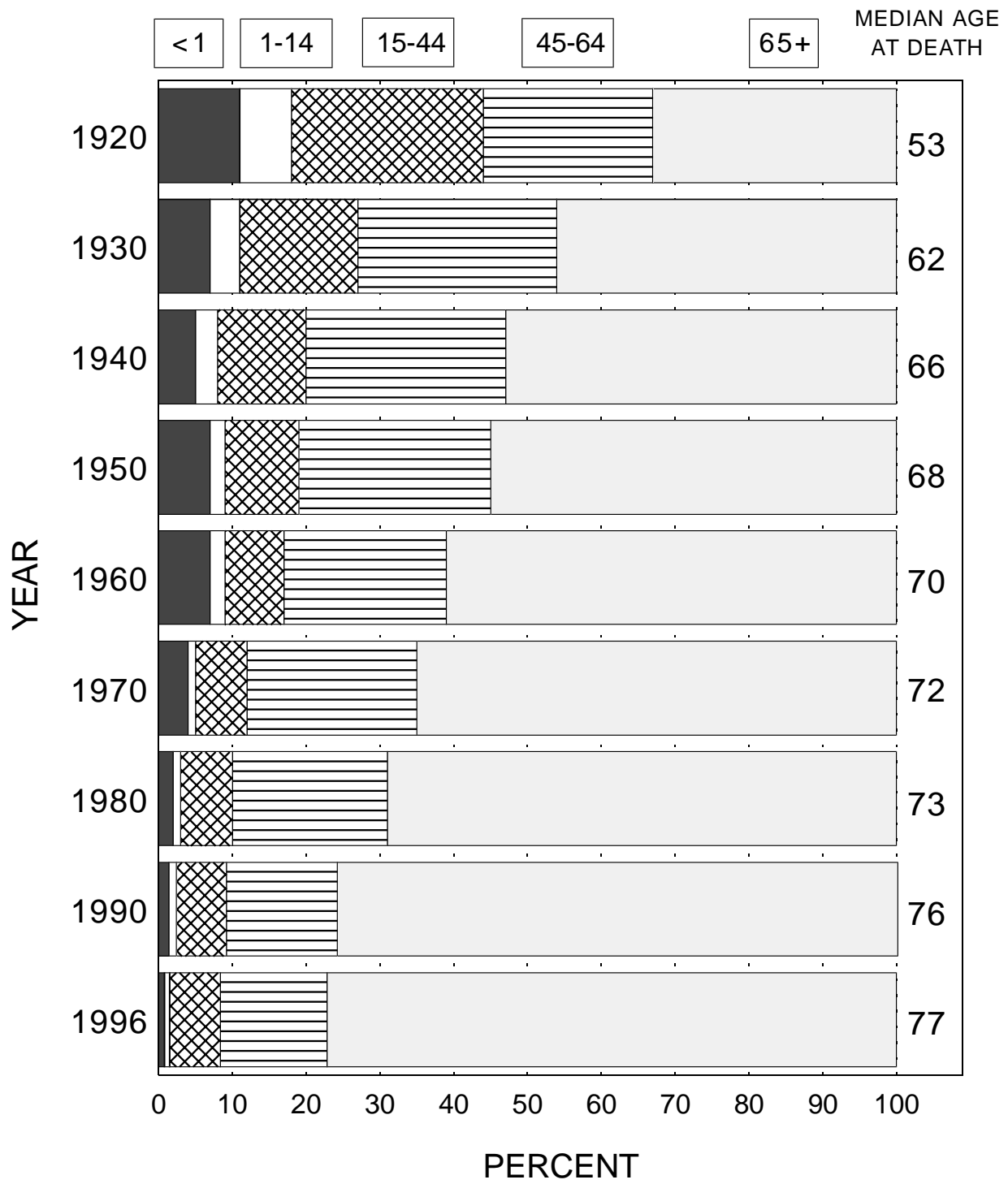


FIGURE 6-3.
AGE-SPECIFIC DEATH RATES,
OREGON RESIDENTS, 1940-1996



Rates per 100,000 population.

FIGURE 6-4.
PROPORTION OF DEATHS BY SELECTED AGE
GROUPS, OREGON RESIDENTS, 1920-1996



HEART DISEASE

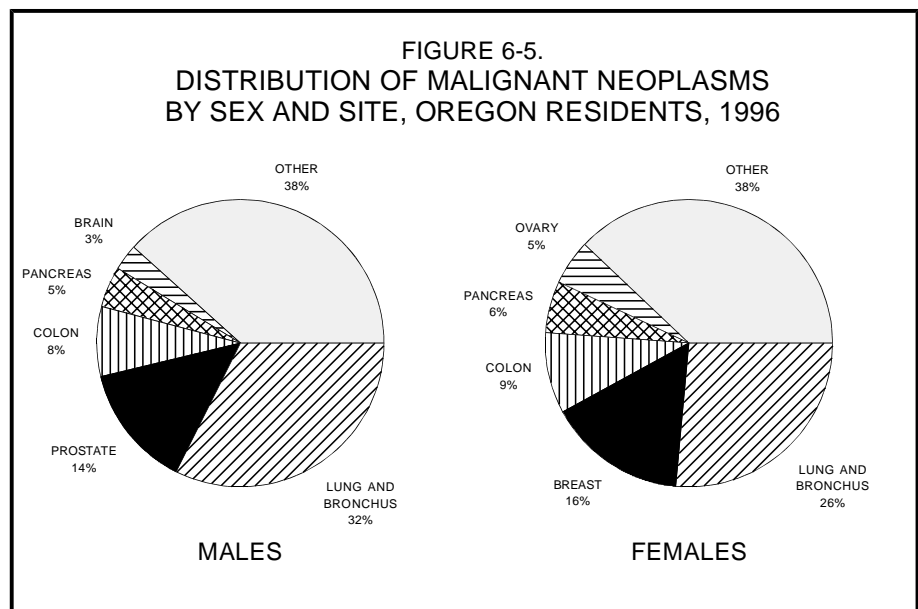
Over the past two decades the proportion of deaths due to heart disease declined from 36 percent to 27 percent.

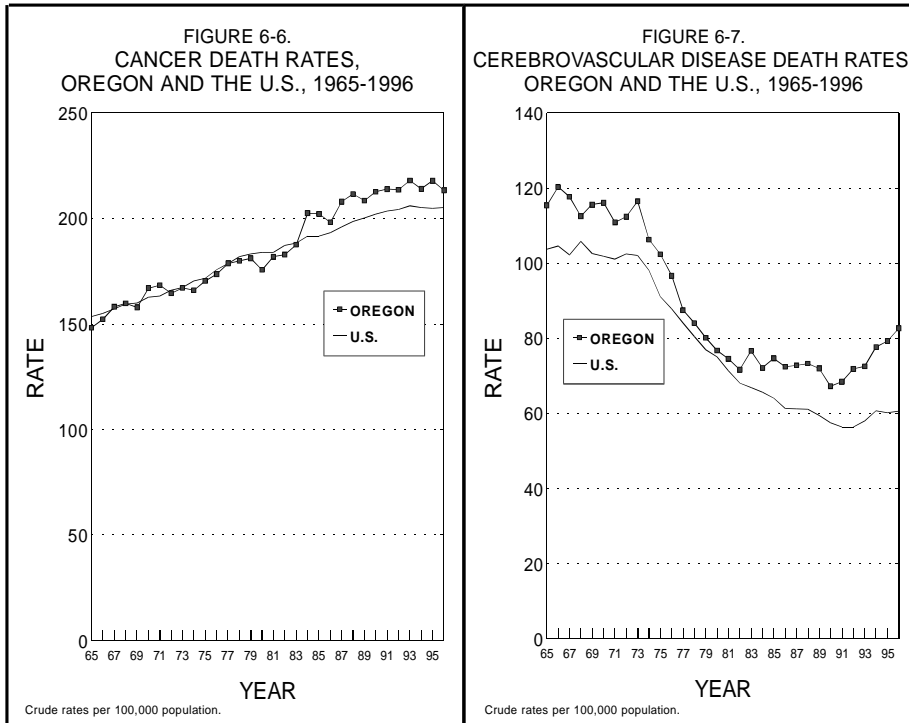
Heart disease continued to be the leading cause of death in Oregon, accounting for over one of every four resident deaths. The death rate was virtually unchanged compared to the previous year, 241.3 per 100,000 population in 1996 compared to 240.4 in 1995.² [Figure 6-2; Table 6-3]. The near-continual annual declines seen over the past several decades have essentially ceased since 1991. Since 1986, the largest decline has been among chronic ischemic heart disease deaths; the rate fell 27% compared to 8.9% for other heart diseases. However for heart disease as a whole, a record number of years of potential life were lost during 1996. [Table 6-11].

As with many causes of death, the heart disease mortality rate was higher among males than females. This disparity has narrowed during the past decade, however. [Table 6-2]. During 1986, the rate for males was 22 percent higher than that for females; by 1996, the male rate was 11 percent higher than the female rate. Heart disease is the leading killer of Oregonians 75 or older. The median age at death for this cause was 81 years, a record high.

Oregon's rate has consistently been lower than the U.S. rate; in 1995, the state's age-adjusted death rate was 22 percent lower than the nation's. [Table 6-42]. An Oregonian died of heart disease every 68 minutes in 1996.

The heart disease category includes a number of conditions. Most common, and accounting for the majority of heart disease deaths, are myocardial infarctions, coronary occlusions, coronary thromboses, and coronary heart disease. The infarctions, occlusions, and thromboses are acute, often terminal events, while coronary heart disease is a chronic condition.





Lung cancer is the most common fatal cancer for both men and women.

CANCER

Like heart disease, after decades of increases, the malignant neoplasm death rate has changed little since 1991, 213.3 per 100,000 population in 1996 versus 213.9 five years earlier. [Figure 6-6; Table 6-3]. A record number of years of potential life were lost to cancer during 1996.

Malignant neoplasms are the leading cause of death in each 10-year age group between 45 and 74 years. [Table 6-4]. During 1996 the median age at death for cancer patients remained at 73, the highest ever recorded. The death rate for males was 15 percent higher than that for females (229.5 versus 197.5), with the disparity greatest among the elderly. In addition to the cancer-caused deaths of 6,784 Oregonians, cancer contributed to another 971 deaths where it was not the underlying cause. [Table 6-35].

The long-term upward trend in cancer mortality over the past several decades has been driven principally by an increasing number of lung cancer deaths, a cause that would be rare in the absence of smoking. The lungs were the most common site of cancer for both sexes, with lung cancer deaths becoming increasingly prevalent among women. A decade ago, there were 1.9 lung cancer fatalities among men for every female death. By 1996 the ratio declined to 1.4-to-1.0. The male lung cancer death rate plateaued during the mid 1980s through the early 1990s, and then began declining. It is unclear as of yet, whether the increase during 1996 was a statistical aberration or the beginning of a new trend.

YEAR	TOTAL	MALE	FEMALE
1970	33.5	56.4	11.4
1975	41.2	65.9	17.7
1980	48.3	69.9	27.4
1985	56.2	76.0	37.2
1990	64.3	81.2	48.1
1995	62.5	69.5	55.7
1996	62.9	74.1	52.0

Rates per 100,000 population.

The total lung cancer death rate has more than quintupled since 1950, increasing from 11.6 to 62.9 per 100,000 Oregonians. (This has been accompanied by a sharp increase in chronic obstructive pulmonary disease deaths as well.) During 1996, record high death rates were recorded for myeloid leukemia and multiple myeloma.

During 1995, Oregon's age-adjusted death rate was 3.4 percent less than the nation's. Cancer claimed the life of an Oregonian every 77 minutes in 1996.

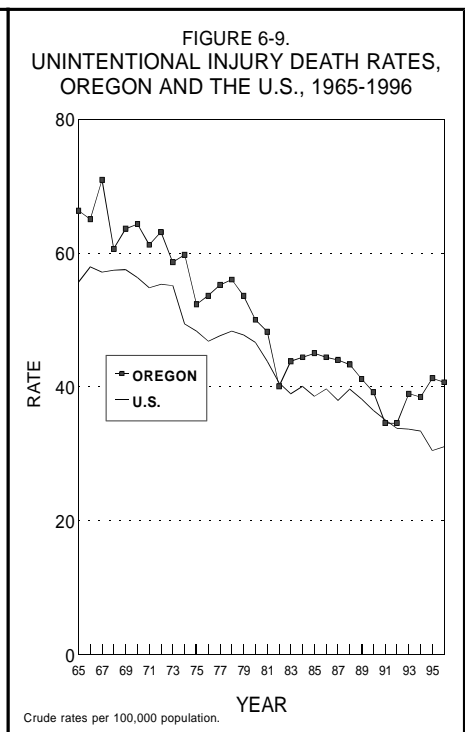
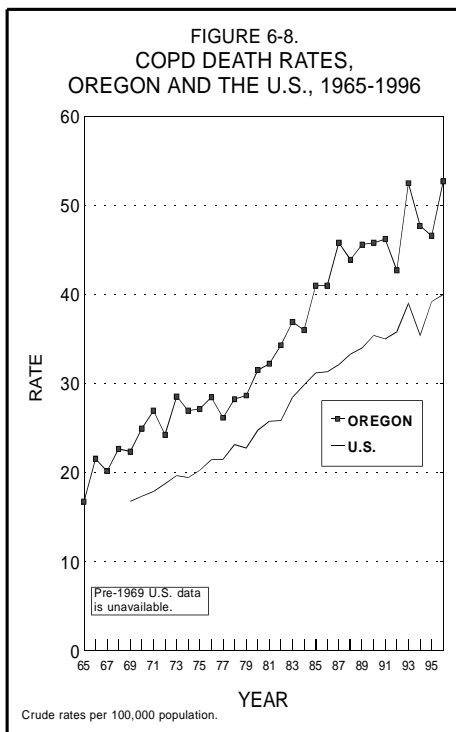
CEREBROVASCULAR DISEASE

During most of the 1980s, the death rate for cerebrovascular disease fluctuated between a narrow range of values, ultimately declining to a record low 67.2 per 100,000 population in 1990. Since then, the rate has increased annually reaching 82.7 during 1996, a 23 percent increase. [Figure 6-7; Table 6-3]. Every age group has witnessed an increase in cerebrovascular disease death rates since the beginning of the decade. Besides the 2,632 deaths due to cerebrovascular disease, these conditions contributed to the deaths of another 1,417 Oregonians. [Table 6-35].

Cerebrovascular disease was the third most common cause of death among Oregonians, and struck females far more often than males (100.3 vs. 64.6). However, males 65-79 years old had higher death rates than similarly-aged females. The median age at death was 83 years. [Table 6-13].

Over the past quarter-century, the crude death rate from cerebrovascular disease has consistently been higher in Oregon than in the U.S. as a whole. Part of this difference is because the state's

Since 1990, the cerebrovascular disease death rate has increased 23 percent.



population is older than the nation's but even after controlling for this variable with age-adjusted death rates, Oregon's 1995 rate was 11 percent higher than the U.S. rate. An Oregonian died from cerebrovascular disease every 3.3 hours.

Sudden circulatory crises such as strokes, cerebral thromboses, and hemorrhages are common acute forms of these diseases; cerebral arteriosclerosis is a chronic form. Most deaths are attributable to the former.

RESPIRATORY DISEASE

Chronic obstructive pulmonary disease (COPD) has become an increasingly common killer of Oregonians over the past several decades, and is now the fourth leading cause of death. During 1996, the death rate rose 13 percent to 52.7 per 100,000 population, a record high [Figure 6-8; Table 6-3]. A record number of years of potential life were also lost during 1996. [Table 6-11]. Although both the number of years of potential life lost and death rate rose to record highs, Oregonians with COPD lived longer; the median age at death increased to 77, also a record high.

There is a distinct, but decreasing, gender difference in the risk of death from COPD. In 1986, males were 65 percent more likely to die from this cause than were females; by 1996, they were only 6.3 percent more likely to do so. The vast majority of COPD deaths are caused by tobacco use; the sharp rise in deaths among women reflects their increasing smoking prevalence during past decades. No other cause has a higher proportion of deaths linked to tobacco use than does COPD. [Table 6-19].

The group of allied conditions categorized as COPD includes four principal diseases: chronic and unspecified bronchitis, emphysema, asthma, and chronic airways obstruction. The death rates for the two most common of the four have increased since 1986: emphysema by 39 percent, chronic airways obstruction by 30 percent. In addition to the 1,676 Oregonians whose deaths were due to chronic obstructive pulmonary diseases, COPD was a factor in another 1,926 deaths. [Table 6-35].

During 1995, Oregon's age-adjusted COPD death rate was 10 percent higher than the U.S. rate. An Oregonian died from chronic obstructive pulmonary disease every 5.2 hours in 1996. Most of these deaths were preventable.

UNINTENTIONAL INJURIES

Oregon's unintentional injury³ death rate had been declining until the early 1980s. The downward trend resumed in 1986 and accelerated through 1991 falling to 34.6 per 100,000 population, a record low. [Figure 6-9; Table 6-3]. Since 1992, however, the rate has trended upward reaching 40.7 in 1996, an 18 percent increase. Rates have risen for both sexes and nearly all age groups but males remained twice as likely as females to die from an unintentional injury.

COPD DEATH RATES		
YEAR	MALE	FEMALE
1985	53.4	29.0
1995	48.2	45.1
% Change	-9.7	+55.5
Rates per 100,000 population.		

Unintentional injuries were the leading cause of years of potential life lost.

Most unintentional poisoning deaths were overdoses of illicit drugs.

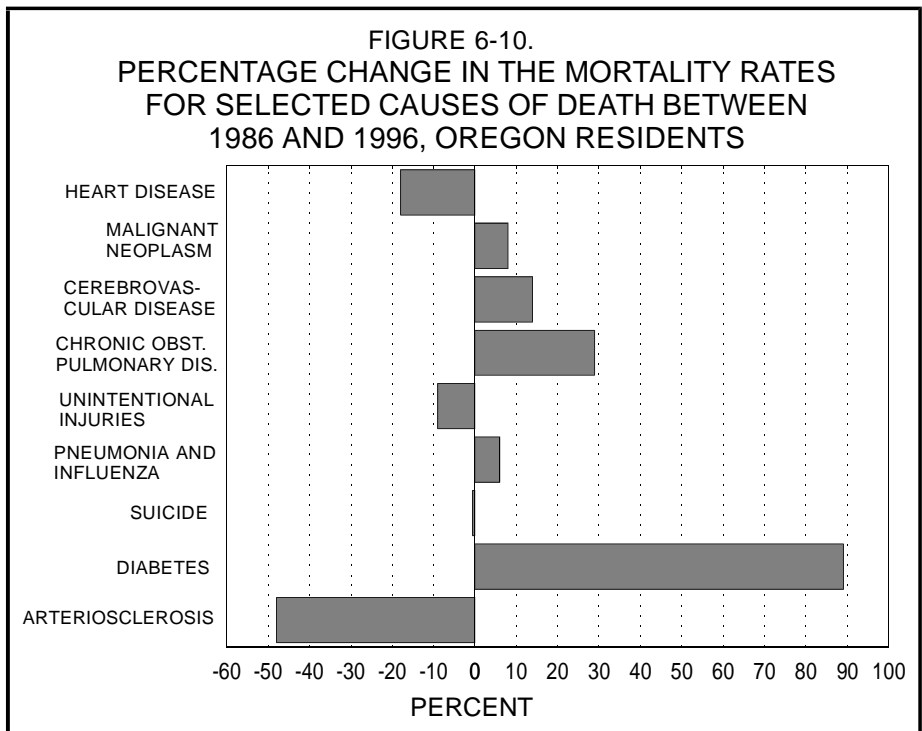
Although this category ranked fifth overall in the number of deaths (1,295), it was the leading cause of premature death and the leading cause of death for Oregonians ages 1-44; more years of potential life were lost before age 65 from unintentional injuries than from any other cause. [Table 6-25]. Cancer and heart disease ranked second and third, respectively.

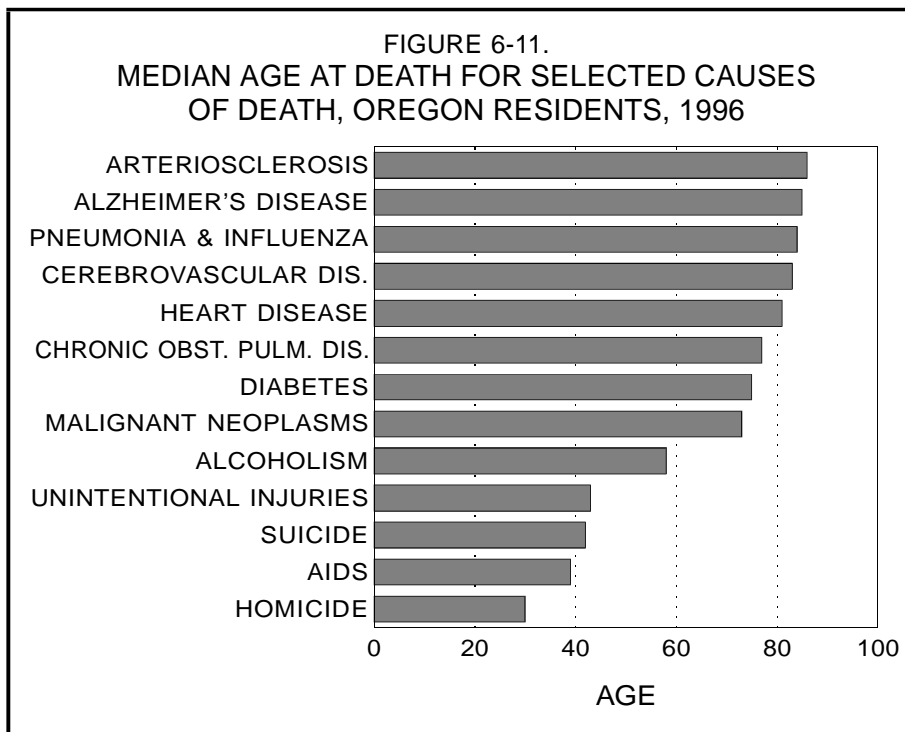
Motor vehicle-related deaths (576) accounted for 41 percent of all unintentional injury deaths; over half (59%) of the decedents were 15-44 years old. (Almost 10 percent of the deaths involving motor vehicles were of pedestrians. [Table 6-16].) Falls, the second most common type of fatal unintentional injury, claimed 260 Oregonians; eighty percent of the victims were 75 or older. Most fatal falls occurred in the home. Poisonings and drownings were the third and fourth most common causes of unintentional injury deaths. [Table 6-16]. During 1996, 88 fatal unintentional injuries were sustained in the workplace.⁴ [Table 6-14].

Oregonians continued to be more apt to suffer a fatal unintentional injury than the average American. During 1995 the state's age-adjusted rate exceeded the U.S. rate by 19 percent. An Oregonian died as a consequence of an unintentional injury every 6.8 hours in 1996.

PNEUMONIA AND INFLUENZA

The death rate for pneumonia and influenza, the sixth leading cause of death, increased slightly, up from 28.7 per 100,000 population during 1995 to 29.7 in 1996.





As is typical, the 1996 mortality rate for pneumonia and influenza was higher for females than males (31.9 versus 27.5). This is the fifth leading cause of death among Oregonians 75 or older. Besides the 946 deaths attributed to pneumonia and influenza, these infections played a role in another 1,350 deaths. [Table 6-35]. Oregon's 1995 age-adjusted mortality rate was 22 percent lower than the national rate. A resident died of pneumonia or influenza every 9.3 hours in 1996.

ALZHEIMER'S DISEASE

Alzheimer's disease (including Alzheimer's dementia) has been reported with increasing frequency during the past decade and is now the seventh leading cause of death, displacing diabetes. In 1996 the death rate was 23.3 per 100,000 population, 5.9 percent higher than the 1995 rate. Women were about twice as likely as men to die from Alzheimer's disease; the rates were 30.8 and 15.5, respectively. [Table 6-2]. Ninety percent of the victims were 75 or older at death. [Table 6-6]. Besides the 740 deaths due to this cause, Alzheimer's disease contributed to 536 deaths. [Table 6-35].

Of the 20 leading causes of death, the greatest disparity in age-adjusted death rates between Oregon and the U.S. was recorded for Alzheimer's disease; Oregon's 1995 rate was 56 percent higher and ranked third highest among the states and District of Columbia. [Table 6-42]. An Oregonian died from Alzheimer's disease every 11.8 hours in 1996.

***Alzheimer's disease
displaced diabetes
as the seventh
leading cause of
death in 1996.***

The diabetes death rate hit a new high for the tenth consecutive year.

DIABETES

During the early to mid-1980s, the diabetes mellitus death rate fluctuated over a narrow range of values. Then in 1987 it moved sharply upward, with the disease claiming a record number of Oregonians. The rate has risen every year since then. By 1996, it was 89 percent higher than the 1986 rate (23.2 versus 12.3 per 100,000 population). [Table 6-3]. The increase has occurred across all age groups and both sexes. Among all Oregonians in 1996, diabetes caused 739 deaths and contributed to another 1,783. [Tables 6-3 and 6-35]. Local diabetes authorities have no explanation for the rising death rate other than improved physician awareness and reporting of the disease.

Historically, Oregon's diabetes death rate has been markedly lower than the nation's, but with the increases during recent years the gap has narrowed; the state's 1995 age-adjusted death rate was 11 percent lower than the U.S. rate. An Oregonian died of diabetes every 11.9 hours in 1996.

SUICIDE

A record 533 Oregonians committed suicide during 1996. The death rate, however, remained unchanged (16.8 per 100,000 population). Although often exhibiting considerable variation from year to year, the long-term trend in the suicide rate has been upward, driven principally by increasing suicidal behavior among the state's youth.

For the third year in a row suicide was the sixth leading cause of death among males; they were 4.6 times more likely to kill themselves than were females (27.8 versus 6.1 per 100,000). Male suicide rates have consistently been high in older age groups, with the rate two to four times higher for men 80 or older than for their younger counterparts. [Table 6-7]. Among females, age-specific rates typically increase slightly among 45-to 64-year-olds, and then decline. During 1996, however, the rates were highest for 35- to 54-year-olds. The youngest Oregonians to commit suicide were two 10 year old boys and the oldest, a 96 year old man. Suicide was the fourth leading cause of years of potential life lost before age 65, following unintentional injuries, cancer, and heart disease. [Table 6-25]. It was the second leading cause of death for Oregonians ages 5-34. [Table 6-4].

Firearms were the most frequently chosen method (62%) of completed suicide, followed by poisoning (17%) and hanging (13%). The method varied within different age and sex cohorts, however. [Table 6-17].

As in years past, the 1995 age-adjusted rate for Oregon was substantially higher (30 percent) than for the U.S. An Oregonian took his or her own life every 16.4 hours in 1996. For additional information on suicide, see *Suicide and Suicidal Thoughts by Oregonians*, a recently published report by the Center for Health Statistics.

Six in ten suicides are committed with firearms.

ALCOHOLISM

In 1996 the Oregon alcoholism⁵ death rate was 13.2 per 100,000 population. Since 1986, the death rate has fluctuated between a low of 10.4 in 1991 and a high of 13.2 in 1996. Not since 1981 has the alcoholism death rate been as high. [Table 6-3].

During 1996, alcoholism was the tenth leading cause of death overall, but ranked fourth among Oregonians 45-64. [Table 6-4]. However, if intentional and unintentional injury deaths (e.g., motor vehicle crashes) that involved alcohol were included in this count, the category would rank substantially higher. (The role, if any, of alcohol in injury deaths is rarely reported on death certificates.)

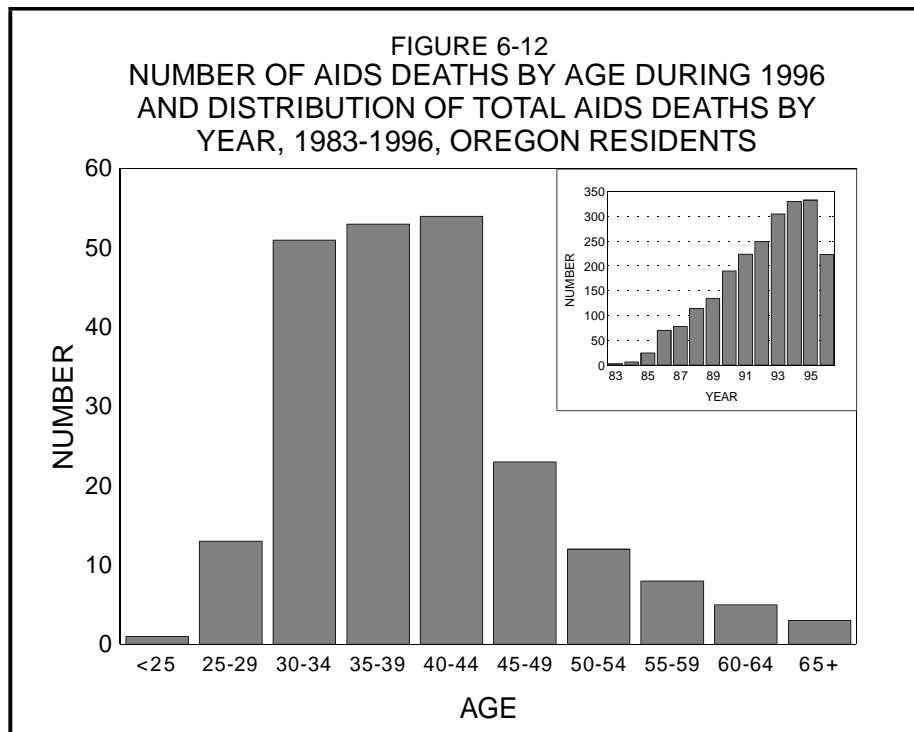
A total of 419 deaths were directly due to alcoholism and related disorders, with alcoholic liver disease accounting for the majority (66%). In addition, alcohol-related diseases were reported as contributing to another 316 deaths. [Table 6-35]. Alcoholism often led to early death; one-half of all those who died from it died by age 58. More years of potential life were lost from alcoholism during 1996 than ever before.⁶

During 1995, Oregon's age-adjusted death rate was 26 percent higher than the nation's.⁷ A non-injury alcohol-caused death occurred every 20.9 hours in Oregon during 1996.

One half of all alcoholism deaths occurred by age 58.

ACQUIRED IMMUNE DEFICIENCY SYNDROME

During 1996, the AIDS death rate fell dramatically, declining from 10.6 per 100,000 population to 7.1. Much of this decline can be attributed to the powerful new AIDS drug "cocktails" that are saving lives. Patients now commonly receive more than one anti-retroviral drug plus a protease



During 1996, the AIDS death rate fell 33%, the first large decline seen since the epidemic began.

inhibitor. Despite the considerable improvement, three times as many Oregonians were claimed by this disease in 1996 than were a decade earlier. [Table 6-3].

Nearly all (212 or 94%) of the decedents during 1996 were males, but 11 were females. [Table 6-6]. Most deaths (77%) occurred among Oregonians 25 to 44 years old, but the ages ranged from 24-71 years. AIDS was the third leading cause of death among Oregon men 25-44 years old, down from second for many prior years. The median age at death was 39 years. [Table 6-13].

AIDS claims predominantly young to middle-aged adults and was the sixth leading cause of years of potential life lost. [Figure 6-14]. More years were lost (before age 65) due to AIDS than from cerebrovascular disease, diabetes, arteriosclerosis, pneumonia, and influenza combined. [Table 6-25]. In addition to the 223 deaths directly due to AIDS, the human immunodeficiency virus was reported to have contributed to another 37 deaths. [Table 6-35].

The age-adjusted death rates in Table 6-42 illustrate that Oregonians were 45 percent less likely to die from AIDS during 1995 than were Americans as a whole. An Oregonian died from AIDS every 1.6 days in 1996.

ARTERIOSCLEROSIS

The arteriosclerosis death rate continued its long-term downward trend in 1996, falling to a record low. The rate (8.0 per 100,000 population) was 49 percent lower than it was ten years earlier. In 1985, arteriosclerosis was the seventh leading killer of Oregonians; a decade later, it ranked twelfth. [Table 6-23]. Nonetheless, in 1995, Oregon's age-adjusted death rate was 39 percent higher than the U.S. rate.

Women typically bear the greater risk, and that was so in 1996; their death rate was 8.5, compared to 7.5 for men. [Table 6-2]. An Oregonian died from arteriosclerosis every 1.4 days in 1996. Note, however, that these figures do not include all deaths involving arteriosclerosis, since many have been classified under more specific manifestations of cardiac and cerebral disease. Arteriosclerosis was listed as the underlying cause of death for 256 Oregonians but contributed to the deaths of another 1,105 residents.

PARKINSON'S DISEASE

The apparently inexorable long-term upward trend of the Parkinson's disease death rate paused in 1996, remaining at 1995's 7.4 per 100,000 population. [Table 6-3]. As is usually the case, Oregon men were more likely than women to die from this disease; the rates were 9.4 and 5.5, respectively. [Table 6-2]. A small number of middle-aged residents died from Parkinson's disease, but more than four-fifths of the deaths occurred to residents 75 or older. [Table 6-6]. For additional information, see *Oregon Health Trends*, Number 52.

The Arteriosclerosis death rate fell to a record low.

Oregon's 1995 age-adjusted death rate for this cause was the highest in the nation and 63% higher the U.S. rate. The 236 deaths in 1995 represent the loss of an Oregonian every 1.5 days.

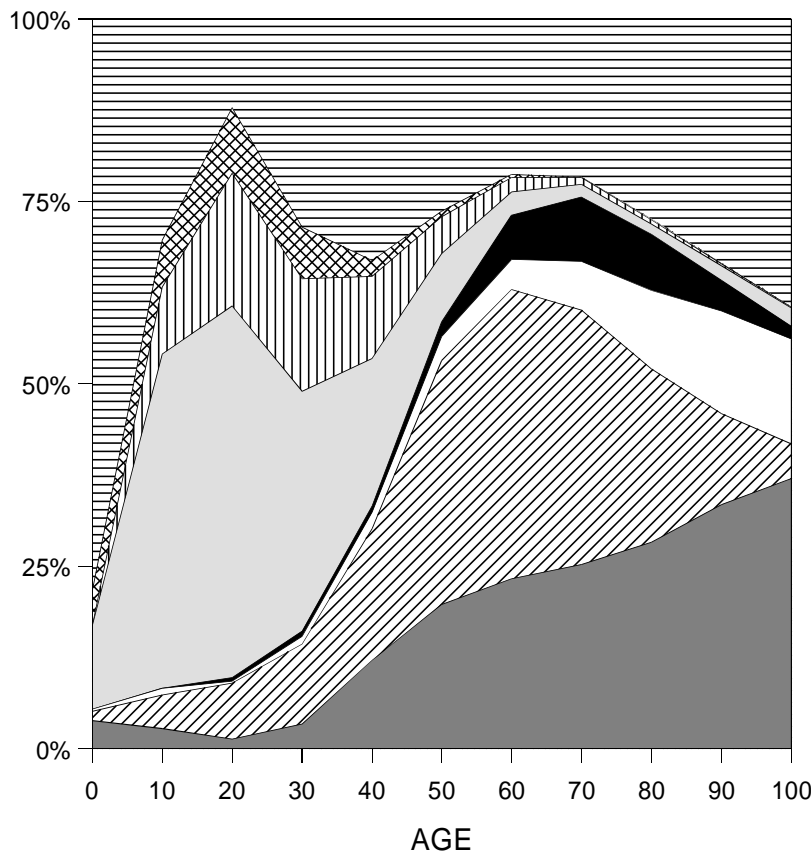
HOMICIDE

Oregonians were less frequently homicide victims during 1996 than during 1995; the death rate declined slightly from 5.0 per 100,000 population to 4.9. The highest rate ever recorded (6.8) occurred ten years earlier. [Table 6-3]. Nine of the 152 homicide deaths resulted from legal intervention. [Table 6-17].

Males were more apt to be murdered than females; their death rate was over two times higher, 6.4 compared to 3.2. [Table 6-2]. Even the youngest Oregonians were at risk: 15 children who had not even reached their fifth birthday were murdered during 1996, and six

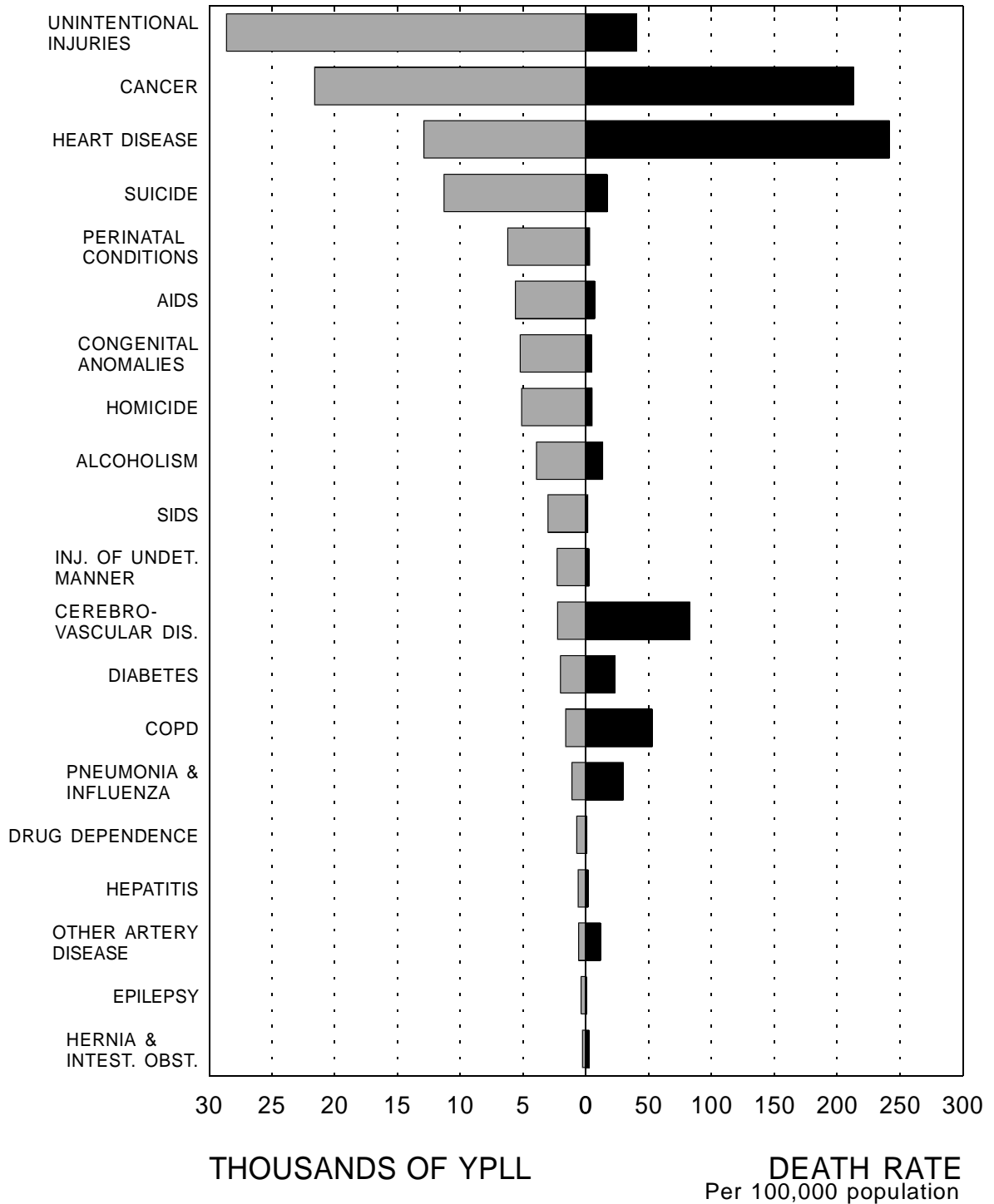
An Oregonian was only about half as likely to be murdered than was the average American.

FIGURE 6-13.
PERCENTAGE OF DEATHS BY CAUSE AND AGE,
OREGON RESIDENTS, 1996



The oldest Oregonians to die in 1996 were two 107 year old women who died from cardiac disease.

FIGURE 6-14.
 LEADING CAUSES OF YEARS OF POTENTIAL LIFE LOST
 BEFORE AGE 65 AND CORRESPONDING DEATH RATES,
 OREGON RESIDENTS, 1996



of these were infants. The median age at death was 30 years. [Figure 6-11; Table 6-13]. Firearms were used in half of all homicides; most were handguns. [Table 6-17].

Oregonians have long been at less risk of being murdered than the average U.S. resident. In 1995, Oregon's age-adjusted homicide rate was 45 percent lower than the nation's. An Oregonian was murdered every 2.4 days in 1996.

YEARS OF POTENTIAL LIFE LOST

Mortality rates alone do not show the full impact upon society of certain causes of death. The deaths of young people are a greater "cost" to society than deaths of older people in terms of years of potential life lost (YPLL).

The YPLL yardstick quantifies premature mortality occurring in younger age groups by measuring the number of years between age at death and a set standard. With the standard set at 65 years, for example, a death at age 21 results in 44 years lost. The numbers of YPLL among all decedents are then totaled. Figure 6-14 shows the disparity between death rates and the years of potential life lost. (In all references to YPLL in this report, that standard is 65 years unless otherwise noted.)

ENDNOTES

- 1 Comparisons between Oregon and the U.S. are based on 1995 age-adjusted rates (the most recent available); see Table 6-42 and the Technical Notes for comments on age-adjusted rates. Oregon's population is older vis-a-vis the U.S. population. Rates are adjusted to the U.S. standard million. All other rates are crude rates (i.e., the number of deaths divided by the population, times 100,000.).
- 2 These and subsequent heart disease rates do not include alcoholic cardiomyopathy deaths, which are included in the alcoholism category. The totals for heart disease, including alcoholic cardiomyopathy, are given in Tables 6-6, 6-7, 6-10, and 6-32 through 6-33.
- 3 *Unintentional injuries* is preferred to the term *accidents* (ICD E800-E949) among health professionals.
- 4 Note that this figure, unlike those presented in Annual Reports prior to 1993, is based on the number of fatal injuries occurring at work [Table 6-14] rather than the National Safety Council classification system [Tables 6-15 and 6-30].
- 5 This complex of diseases includes alcoholic psychosis, alcoholic dependence syndrome, alcoholic gastritis, alcoholic cardiomyopathy, alcoholic polyneuropathy, and alcoholic liver disease.
- 6 Since at least 1979, when the ninth revision of the International Classification of Disease was first used.
- 7 This disparity may be partially explained by the death certificate query program administered by the Oregon Center for Health Statistics: When a cause suggestive of alcoholism is listed on the death certificate, the certifying physician is queried about the role of alcohol in the decedent's death. About ten percent of all death certificates are queried for additional information; the role of alcohol in a death is just one of the reasons prompting a query.

TABLE 6-1.
AGE-SPECIFIC DEATH RATES BY SEX, OREGON RESIDENTS,
1940, 1950, 1960, 1970, 1980, 1986-1996

YEAR AND SEX	TOTAL	AGE GROUPS					
		0-4	5-14	15-24	25-44	45-64	65+
1940 DEATHS	1,131.4	953.9	116.6	199.1	317.7	1,322.7	7,154.3
MALE	1,336.2	1,122.6	140.5	267.4	374.5	1,650.8	7,831.0
FEMALE	912.7	788.1	91.9	130.4	258.2	944.7	6,395.2
1950 DEATHS	912.9	588.1	61.7	148.2	242.0	1,105.7	5,836.7
MALE	1,097.2	459.9	74.1	226.0	317.4	1,411.4	6,619.2
FEMALE	722.6	515.6	48.7	73.0	166.0	711.9	5,025.0
1960 DEATHS	949.1	566.3	42.5	107.0	210.5	1,053.1	5,796.9
MALE	1,141.2	640.3	53.3	158.4	273.3	1,420.3	6,854.2
FEMALE	758.9	489.7	31.2	58.3	149.9	679.0	4,838.8
1970 DEATHS	933.8	411.4	42.9	134.4	184.4	1,015.1	5,617.3
MALE	1,107.6	437.8	56.5	198.9	241.7	1,375.4	6,893.0
FEMALE	767.2	383.9	28.7	74.4	128.7	670.2	4,607.6
1980 DEATHS	826.4	310.7	31.9	115.8	140.8	870.8	4,977.2
MALE	931.8	333.9	36.9	167.8	193.4	1,157.4	6,013.3
FEMALE	724.1	286.1	26.7	63.6	87.5	602.9	4,209.3
1986 DEATHS	877.2	237.8	22.3	100.9	145.4	818.0	4,854.3
MALE	956.1	271.7	25.9	146.9	201.2	1,052.7	5,747.0
FEMALE	800.5	201.9	18.5	53.0	89.8	595.5	4,207.6
1987 DEATHS	898.9	247.9	25.9	102.8	140.8	801.7	4,963.0
MALE	961.2	307.1	34.1	155.9	197.8	1,004.4	5,742.7
FEMALE	839.0	186.3	17.3	47.2	84.1	608.8	4,400.4
1988 DEATHS	895.9	220.7	26.0	103.2	145.3	777.5	4,942.2
MALE	943.6	242.3	32.6	149.7	198.5	963.3	5,685.9
FEMALE	850.1	198.2	19.0	54.7	92.2	600.6	4,410.5
1989 DEATHS	884.2	221.2	24.6	88.8	150.2	710.9	4,916.9
MALE	940.1	256.6	31.3	131.8	204.6	913.6	5,720.7
FEMALE	830.5	184.0	17.5	43.7	95.5	516.6	4,348.3
1990 DEATHS	880.7	212.6	21.4	94.5	142.2	730.3	4,784.6
MALE	935.6	234.0	21.6	138.1	203.6	934.1	5,617.0
FEMALE	827.8	190.1	21.3	49.1	80.9	553.8	4,202.8
1991 DEATHS	851.0	176.3	21.0	95.6	136.4	677.3	4,710.8
MALE	901.7	204.0	23.6	142.0	195.5	843.0	5,450.2
FEMALE	802.1	147.4	18.2	47.2	77.2	517.6	4,215.1
1992 DEATHS	863.2	166.6	23.8	82.3	143.3	658.2	4,862.4
MALE	895.6	198.1	26.7	118.3	202.6	792.5	5,486.6
FEMALE	831.7	133.2	20.9	44.6	84.0	528.1	4,407.2
1993 DEATHS	908.4	163.2	24.1	82.9	166.4	660.7	5,104.8
MALE	952.6	184.1	29.6	126.0	235.7	811.1	5,789.9
FEMALE	865.5	141.2	18.4	37.7	97.0	514.9	4,602.7
1994 DEATHS	887.8	154.4	22.2	79.3	176.4	654.1	4,916.9
MALE	915.1	180.4	27.9	113.0	253.9	784.4	5,453.1
FEMALE	861.3	126.9	16.3	44.0	99.2	527.1	4,525.0
1995 DEATHS	900.1	143.4	21.6	92.2	175.3	638.4	5,018.8
MALE	925.0	147.1	23.1	127.6	249.9	777.3	5,549.9
FEMALE	875.8	139.4	20.2	55.0	100.6	503.0	4,629.1
1996 DEATHS	908.5	134.0	24.2	87.9	169.7	615.4	5,143.2
MALE	937.8	148.5	23.8	131.2	240.6	752.9	5,746.5
FEMALE	880.1	118.8	24.6	42.4	98.8	481.2	4,703.9

All rates per 100,000 population within specific age groups.

**TABLE 6-2.
LEADING CAUSES OF DEATH BY RANK ORDER FOR
RESIDENT MALES AND FEMALES, OREGON, 1996**

MALES				
RANK	CAUSE OF DEATH	NUMBER	RATE	PERCENT
TOTAL		14,694	937.8	100.0
1	HEART DISEASE	3,978	253.9	27.1
2	CANCER	3,596	229.5	24.5
3	CEREBROVASCULAR DISEASE	1,013	64.6	6.9
4	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	851	54.3	5.8
5	UNINTENTIONAL INJURIES	848	54.1	5.8
6	SUICIDE	435	27.8	3.0
7	PNEUMONIA AND INFLUENZA	431	27.5	2.9
8	DIABETES MELLITUS	338	21.6	2.3
9	ALCOHOLIC DISEASE	292	18.6	2.0
10	ALZHEIMER'S DISEASE AND DEMENTIA	243	15.5	1.7
11	OTHER DISEASES OF THE ARTERIES	215	13.7	1.5
12	AIDS	212	13.5	1.4
13	PARKINSON'S DISEASE	147	9.4	1.0
14	ARTERIOSCLEROSIS	118	7.5	0.8
15	HOMICIDE AND LEGAL INTERVENTION	101	6.4	0.7
16	HYPERTENSION WITH OR WITHOUT RENAL DISEASE	70	4.5	0.5
17	CONGENITAL ANOMALIES	68	4.3	0.5
18	NEPHRITIS AND NEPHROSIS	63	4.0	0.4
19	PERINATAL CONDITIONS	57	3.6	0.4
20	UNDETERMINED EXTERNAL CAUSE	51	3.3	0.3

FEMALES				
RANK	CAUSE OF DEATH	NUMBER	RATE	PERCENT
TOTAL		14,206	880.1	100.0
1	HEART DISEASE	3,698	229.1	26.0
2	CANCER	3,188	197.5	22.4
3	CEREBROVASCULAR DISEASE	1,619	100.3	11.4
4	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	825	51.1	5.8
5	PNEUMONIA AND INFLUENZA	515	31.9	3.6
6	ALZHEIMER'S DISEASE AND DEMENTIA	497	30.8	3.5
7	UNINTENTIONAL INJURIES	447	27.7	3.1
8	DIABETES MELLITUS	401	24.8	2.8
9	OTHER DISEASES OF THE ARTERIES	157	9.7	1.1
10	ARTERIOSCLEROSIS	138	8.5	1.0
11	HYPERTENSION WITH OR WITHOUT RENAL DISEASE	124	7.7	0.9
12	ALCOHOLIC DISEASE	127	7.9	0.9
13	SUICIDE	98	6.1	0.7
14	NEPHRITIS-NEPHROSIS	90	5.6	0.6
15	PARKINSON'S DISEASE	89	5.5	0.6
16	CONGENITAL ANOMALIES	75	4.6	0.5
17	SEPTICEMIA	59	3.7	0.4
18	HOMICIDE AND LEGAL INTERVENTION	51	3.2	0.4
19	HERNIA AND INTESTINAL OBSTRUCTION	45	2.8	0.3
20	PERINATAL CONDITIONS	38	2.4	0.3

TABLE 6-3.
SELECTED LEADING CAUSES OF DEATH WITH RATES,
OREGON RESIDENTS, 1979-1996

YEAR	TOTAL	MAJOR CARDIOVASCULAR DISEASE			MALIGNANT NEOPLASMS	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	PNEUMONIA AND INFLUENZA	DIABETES MELLITUS
		DISEASES OF THE HEART ¹	CEREBROVASCULAR DISEASES	ARTERIOSCLEROSIS				
NUMBER OF DEATHS								
1979	21,024	7,329	2,041	444	4,608	728	608	285
1980	21,756	7,659	2,021	486	4,625	829	704	297
1981	21,798	7,639	1,986	509	4,839	856	609	303
1982	21,594	7,601	1,901	482	4,859	912	609	297
1983	22,361	7,910	2,021	470	4,943	971	634	329
1984	23,101	8,010	1,919	431	5,387	957	725	343
1985	23,824	8,192	2,000	432	5,410	1,097	838	317
1986	23,328	7,788	1,926	417	5,272	1,090	742	328
1987	24,181	7,936	1,958	440	5,594	1,233	743	395
1988	24,557	7,662	2,010	378	5,801	1,203	900	439
1989	24,679	7,482	2,006	355	5,819	1,272	924	450
1990	25,073	7,482	1,912	332	6,056	1,304	966	483
1991	24,935	7,139	2,004	307	6,268	1,353	791	540
1992	25,714	7,255	2,138	314	6,362	1,273	841	575
1993	27,596	7,652	2,202	341	6,622	1,595	1,014	642
1994	27,361	7,417	2,394	300	6,599	1,469	885	662
1995	28,190	7,529	2,483	298	6,824	1,460	899	705
1996	28,900	7,676	2,632	256	6,784	1,676	946	739
RATES								
1979	826.4	288.1	80.2	17.5	181.1	28.6	23.9	11.2
1980	826.2	290.9	76.8	18.5	175.7	31.5	26.7	11.3
1981	819.3	287.1	74.6	19.1	181.9	32.2	22.9	11.4
1982	813.0	286.2	71.6	18.1	182.9	34.3	22.9	11.2
1983	848.6	300.2	76.7	17.8	187.6	36.9	24.1	12.5
1984	868.5	301.1	72.1	16.2	202.5	36.0	27.3	12.9
1985	890.4	306.2	74.7	16.1	202.2	41.0	31.3	11.8
1986	877.2	292.8	72.4	15.7	198.2	41.0	27.9	12.3
1987	898.9	295.0	72.8	16.4	208.0	45.8	27.6	14.7
1988	895.9	279.5	73.3	13.8	211.6	43.9	32.8	16.0
1989	884.2	268.1	71.9	12.7	208.5	45.6	33.1	16.1
1990	880.7	262.8	67.2	11.7	212.7	45.8	33.9	17.0
1991	851.0	243.7	68.4	10.5	213.9	46.2	27.0	18.4
1992	863.2	243.8	71.8	10.5	213.6	42.7	28.2	19.3
1993	908.4	251.9	72.5	11.2	218.0	52.5	33.4	21.1
1994	887.8	240.7	77.7	9.7	214.1	47.7	28.7	21.5
1995	900.1	240.4	79.3	9.5	217.9	46.6	28.7	22.5
1996	908.5	241.3	82.7	8.0	213.3	52.7	29.7	23.2

1. Excludes Alcoholic Cardiomyopathy.
 Rates per 100,000 population.

TABLE 6-3.
SELECTED LEADING CAUSES OF DEATH WITH RATES,
OREGON RESIDENTS, 1979-1996 (CONTINUED)

YEAR	ALCOHOLISM ¹	ALZHEIMER'S DISEASE	PARKINSON'S DISEASE	ACQUIRED IMMUNE DEFICIENCY SYNDROME	EXTERNAL CAUSES			
					UNINTENTIONAL INJURIES	SUICIDE	HOMICIDE ²	FIREARMS (ANY MANNER)
NUMBER OF DEATHS								
1979	368	15	55	-	1,367	351	113	320
1980	358	28	78	-	1,319	388	145	354
1981	385	30	81	-	1,285	398	118	337
1982	308	61	67	-	1,064	396	146	338
1983	337	114	75	2	1,156	417	112	352
1984	343	154	99	6	1,185	423	135	360
1985	308	200	104	24	1,207	417	123	325
1986	325	245	102	70	1,184	450	181	383
1987	311	309	111	78	1,185	400	164	348
1988	330	344	131	114	1,190	461	152	375
1989	334	355	130	135	1,151	459	146	391
1990	334	386	147	190	1,115	456	112	382
1991	306	462	144	224	1,013	460	132	363
1992	320	488	139	249	1,032	492	168	420
1993	363	550	169	305	1,185	472	148	392
1994	352	599	193	330	1,187	525	186	447
1995	358	688	232	333	1,293	526	158	439
1996	419	740	236	223	1,295	533	152	430
RATES								
1979	14.5	0.6	2.2	0.0	53.7	13.8	4.4	12.6
1980	13.6	1.1	3.0	0.0	50.1	14.7	5.5	13.4
1981	14.5	1.1	3.0	0.0	48.3	15.0	4.4	12.7
1982	11.6	2.3	2.5	0.0	40.1	14.9	5.5	12.7
1983	12.8	4.3	2.8	0.1	43.9	15.8	4.3	13.4
1984	12.9	5.8	3.7	0.2	44.5	15.9	5.1	13.5
1985	11.5	7.5	3.9	0.9	45.1	15.6	4.6	12.1
1986	12.2	9.2	3.8	2.6	44.5	16.9	6.8	14.4
1987	11.6	11.5	4.1	2.9	44.1	14.9	6.1	12.9
1988	12.0	12.6	4.8	4.2	43.4	16.8	5.5	13.7
1989	12.0	12.7	4.7	4.8	41.2	16.4	5.2	14.0
1990	11.7	13.6	5.2	6.7	39.2	16.0	3.9	13.4
1991	10.4	15.8	4.9	7.6	34.6	15.7	4.5	12.4
1992	10.7	16.4	4.7	8.4	34.6	16.5	5.6	14.1
1993	11.9	18.1	5.6	10.0	39.0	15.5	4.9	12.9
1994	11.4	19.4	6.3	10.7	38.5	17.0	6.0	14.5
1995	11.4	22.0	7.4	10.6	41.3	16.8	5.0	14.0
1996	13.2	23.3	7.4	7.0	40.7	16.8	4.8	13.5

- Quantity is zero. All rates per 100,000 population.

1 Includes alcoholic liver disease, alcoholic gastritis, alcoholic polyneuropathy, alcoholic cardiomyopathy, and alcoholic psychosis.

2 Includes legal intervention.

TABLE 6-4.
THE FIVE PRINCIPAL CAUSES OF DEATH BY AGE,
OREGON RESIDENTS, 1996

CAUSE OF DEATH	BOTH SEXES		RATE ¹	
	NUMBER	PERCENT	MALE	FEMALE
ALL AGES				
ALL CAUSES	28,900	100.0	937.8	880.1
1 HEART DISEASE	7,676	26.6	253.9	229.1
2 MALIGNANT NEOPLASMS	6,784	23.5	229.5	197.5
3 CEREBROVASCULAR DISEASE	2,632	9.1	64.6	100.3
4 CHRONIC OBSTRUCTIVE PULMONARY	1,676	5.8	54.3	51.1
5 UNINTENTIONAL INJURIES	1,295	4.5	54.1	27.7
UNDER 1 YEAR²				
ALL CAUSES	244	100.0	611.1	504.9
1 CONGENITAL ANOMALIES	52	21.3	107.8	130.9
2 SUDDEN INFANT DEATH SYNDROME	47	19.3	103.4	112.2
3 IMMATURITY	26	10.7	53.9	65.4
4 OTHER PERINATAL CONDITIONS	19	7.8	53.9	32.7
5 CONDITIONS OF PLACENTA & CORD	13	5.3	40.4	18.7
1-4 YEARS				
ALL CAUSES	69	100.0	43.0	29.3
1 UNINTENTIONAL INJURIES	28	40.6	16.4	13.0
2 CONGENITAL ANOMALIES	9	13.0	5.1	4.3
2 HOMICIDE AND LEGAL INTERVENTION	9	13.0	7.2	2.2
4 MALIGNANT NEOPLASMS	4	5.8	3.1	1.1
4 OTHER PERINATAL CONDITIONS	4	5.8	2.0	2.2
5-14 YEARS				
ALL CAUSES	109	100.0	23.8	24.6
1 UNINTENTIONAL INJURIES	50	45.9	10.4	11.8
2 SUICIDE	10	9.2	3.9	0.5
3 HOMICIDE AND LEGAL INTERVENTION	7	6.4	0.9	2.3
4 MALIGNANT NEOPLASMS	5	4.6	0.9	1.4
5 CONGENITAL ANOMALIES	4	3.7	1.3	0.5
10-19 YEARS				
ALL CAUSES	228	100.0	71.3	30.4
1 UNINTENTIONAL INJURIES	120	52.6	39.6	13.8
2 SUICIDE	38	16.7	13.6	3.2
3 MALIGNANT NEOPLASMS	15	6.6	3.1	3.7
4 HOMICIDE AND LEGAL INTERVENTION	13	5.7	3.5	2.3
5 HEART DISEASE	5	2.2	0.9	1.4
15-24 YEARS				
ALL CAUSES	379	100.0	131.2	42.4
1 UNINTENTIONAL INJURIES	193	50.9	66.1	22.4
2 SUICIDE	69	18.2	27.6	3.8
3 HOMICIDE AND LEGAL INTERVENTION	34	9.0	12.2	3.3
4 MALIGNANT NEOPLASMS	29	7.7	6.3	7.1
5 HEART DISEASE	7	1.8	2.3	1.0

¹ Rates per 100,000 population except where noted.

² Rates per 100,000 live births.

**TABLE 6-4.
THE FIVE PRINCIPAL CAUSES OF DEATH BY AGE,
OREGON RESIDENTS, 1996 (CONTINUED)**

CAUSE OF DEATH	BOTH SEXES		RATE ¹	
	NUMBER	PERCENT	MALE	FEMALE
25-34 YEARS				
ALL CAUSES	565	100.0	191.2	69.5
1 UNINTENTIONAL INJURIES	186	32.9	65.1	20.7
2 SUICIDE	87	15.4	33.5	6.6
3 AIDS	64	11.3	27.1	2.3
4 MALIGNANT NEOPLASMS	62	11.0	16.5	12.2
5 HOMICIDE AND LEGAL INTERVENTION	40	7.1	12.4	6.1
35-44 YEARS				
ALL CAUSES	1,058	100.0	281.9	122.2
1 UNINTENTIONAL INJURIES	214	20.2	62.2	19.6
2 MALIGNANT NEOPLASMS	191	18.1	33.4	39.2
3 HEART DISEASE	128	12.1	37.2	11.7
4 SUICIDE	119	11.2	34.9	10.6
5 AIDS	107	10.1	38.8	2.3
45-54 YEARS				
ALL CAUSES	1,550	100.0	457.4	273.9
1 MALIGNANT NEOPLASMS	519	33.5	122.9	121.9
2 HEART DISEASE	306	19.7	108.2	36.2
3 UNINTENTIONAL INJURIES	145	9.4	50.1	18.4
4 ALCOHOLIC DISEASE	92	5.9	31.2	12.2
5 SUICIDE	78	5.0	26.5	10.4
55-64 YEARS				
ALL CAUSES	2,606	100.0	1,309.9	1,008.1
1 MALIGNANT NEOPLASM	1,035	39.7	457.3	369.3
2 HEART DISEASE	606	23.3	350.7	137.8
3 CHRONIC OBSTRUCTIVE PULMONARY DISEASE	158	6.1	63.1	62.7
4 ALCOHOLIC DISEASE	108	4.1	63.9	23.2
5 CEREBROVASCULAR DISEASE	107	4.1	39.3	45.7
65-74 YEARS				
ALL CAUSES	5,605	100.0	3,071.5	1,839.5
1 MALIGNANT NEOPLASMS	1,955	34.9	1,055.8	654.5
2 HEART DISEASE	1,415	25.2	859.9	394.0
3 CHRONIC OBSTRUCTIVE PULMONARY DISEASE	493	8.8	236.4	189.9
4 CEREBROVASCULAR DISEASE	375	6.7	182.7	142.0
5 DIABETES MELLITUS	175	3.1	75.4	74.6
75+ YEARS				
ALL CAUSES	16,715	100.0	9,449.9	7,654.9
1 HEART DISEASE	5,182	31.0	2,982.2	2,340.6
2 MALIGNANT NEOPLASMS	2,984	17.9	1,975.5	1,187.7
3 CEREBROVASCULAR DISEASE	2,066	12.4	950.6	1,081.0
4 CHRONIC OBSTRUCTIVE PULMONARY DISEASE	979	5.9	649.4	388.9
5 PNEUMONIA AND INFLUENZA	771	4.6	419.9	363.0

¹ Rates per 100,000 population except where noted.

TABLE 6-5.
DEATHS BY MARITAL STATUS, SEX, AND AGE, OREGON RESIDENTS, 1996

MARITAL STATUS AND SEX	TOTAL	AGE AT DEATH							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49
TOTAL	28,900	422	165	214	229	336	470	588	747
MALE	14,694	233	126	164	174	243	332	402	477
FEMALE	14,206	189	39	50	55	93	138	186	270
SINGLE	2,514	422	161	189	141	148	177	150	123
MALE	1,653	233	124	150	116	120	140	121	98
FEMALE	861	189	37	39	25	28	37	29	25
MARRIED	12,314	-	4	22	62	122	174	246	377
MALE	8,446	-	2	13	38	78	110	145	226
FEMALE	3,868	-	2	9	24	44	64	101	151
WIDOWED	10,459	-	-	-	-	2	8	10	20
MALE	2,590	-	-	-	-	1	2	4	4
FEMALE	7,869	-	-	-	-	1	6	6	16
DIVORCED	3,526	-	-	2	22	64	110	175	217
MALE	1,939	-	-	-	16	44	79	126	141
FEMALE	1,587	-	-	2	6	20	31	49	76
UNKNOWN	87	-	-	1	4	-	1	7	10
MALE	66	-	-	1	4	-	1	6	8
FEMALE	21	-	-	-	-	-	-	1	2

MARITAL STATUS AND SEX	AGE AT DEATH								
	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90+
TOTAL	803	1,162	1,444	2,279	3,326	4,096	4,682	4,110	3,827
MALE	491	711	833	1,336	1,925	2,168	2,315	1,677	1,087
FEMALE	312	451	611	943	1,401	1,928	2,367	2,433	2,740
SINGLE	79	77	65	98	135	112	153	136	148
MALE	59	54	44	64	97	71	81	49	32
FEMALE	20	23	21	34	38	41	72	87	116
MARRIED	434	672	879	1,394	1,946	2,109	2,053	1,254	566
MALE	250	419	542	935	1,337	1,472	1,508	932	439
FEMALE	184	253	337	459	609	637	545	322	127
WIDOWED	43	83	165	402	781	1,432	2,106	2,477	2,930
MALE	12	19	50	109	234	408	567	606	574
FEMALE	31	64	115	293	547	1,024	1,539	1,871	2,356
DIVORCED	245	321	326	369	457	437	361	239	181
MALE	169	210	190	214	252	212	157	88	41
FEMALE	76	111	136	155	205	225	204	151	140
UNKNOWN	2	9	9	16	7	6	9	4	2
MALE	1	9	7	14	5	5	2	2	1
FEMALE	1	-	2	2	2	1	7	2	1

- Quantity is zero.

**TABLE 6-6.
NUMBER OF DEATHS FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996**

ICD* 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
ALL CAUSES		28,900	244	69	109	379	565	1,058	1,550	2,606	5,605	4,096	12,619
	MALE	14,694	136	42	55	290	417	734	968	1,544	3,261	2,168	5,079
	FEMALE	14,206	108	27	54	89	148	324	582	1,062	2,344	1,928	7,540
I. INFECTIVE & PARASITIC DISEASE		473	5	3	6	6	73	130	53	39	49	33	76
	MALE	333		2	3	5	65	115	48	26	27	19	23
	FEMALE	140	5	1	3	1	8	15	5	13	22	14	53
010-018, 137	TUBERCULOSIS, ALL FORMS	14	-	-	-	1	-	-	1	2	5	-	5
	MALE	7	-	-	-	1	-	-	1	1	2	-	2
	FEMALE	7	-	-	-	-	-	-	-	1	3	-	3
038	SEPTICEMIA	106	-	1	1	1	3	5	3	9	14	21	48
	MALE	47	-	1	-	1	2	2	1	5	9	13	13
	FEMALE	59	-	-	1	-	1	3	2	4	5	8	35
042-044	AIDS	223	-	-	-	1	64	107	35	13	3	-	-
	MALE	212	-	-	-	1	59	101	35	13	3	-	-
	FEMALE	11	-	-	-	-	5	6	-	-	-	-	-
070	VIRAL HEPATITIS	50	-	-	-	-	2	14	8	7	13	3	3
	MALE	30	-	-	-	-	1	9	7	5	6	1	1
	FEMALE	20	-	-	-	-	1	5	1	2	7	2	2
RESIDUAL OF 001-139	OTHER INFECTIVE & PARASITIC DISEASES	80	5	2	5	3	4	4	6	8	14	9	20
	MALE	37	-	1	3	2	3	3	4	2	7	5	7
	FEMALE	43	5	1	2	1	1	1	2	6	7	4	13
II. NEOPLASMS		6,865	-	4	5	31	62	195	523	1,046	1,966	1,110	1,923
	MALE	3,628	-	3	2	16	36	90	263	565	1,126	600	927
	FEMALE	3,237	-	1	3	15	26	105	260	481	840	510	996
140-208	MALIGNANT NEOPLASMS	6,784	-	4	5	29	62	191	519	1,035	1,955	1,096	1,888
	MALE	3,596	-	3	2	14	36	87	260	558	1,121	596	919
	FEMALE	3,188	-	1	3	15	26	104	259	477	834	500	969
140-149	BUCCAL CAVITY & PHARYNX	86	-	-	-	1	-	3	8	14	24	11	25
	MALE	49	-	-	-	1	-	2	7	7	15	9	8
	FEMALE	37	-	-	-	-	-	1	1	7	9	2	17
150-159	DIGESTIVE ORGANS & PERITONEUM	1,499	-	-	1	3	11	35	116	215	430	243	445
	MALE	805	-	-	1	1	6	22	67	143	259	117	189
	FEMALE	694	-	-	-	2	5	13	49	72	171	126	256

- Quantity is zero.

NOTE: ICD is the acronym for the "International Classification of Diseases," a nosological manual published by the World Health Organization.

TABLE 6-6.
NUMBER OF DEATHS FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
150	ESOPHAGUS	144	-	-	-	-	-	2	15	30	50	24	23
	MALE	101	-	-	-	-	-	2	14	23	34	16	12
	FEMALE	43	-	-	-	-	-	1	7	16	8	11	
151	STOMACH	145	-	-	-	-	3	4	11	20	35	23	49
	MALE	94	-	-	-	-	2	2	8	14	24	13	31
	FEMALE	51	-	-	-	-	1	2	3	6	11	10	18
153	LARGE INTESTINE (EXC. RECTUM)	556	-	-	-	-	3	13	44	73	150	88	185
	MALE	277	-	-	-	-	2	7	19	48	89	41	71
	FEMALE	279	-	-	-	-	1	6	25	25	61	47	114
154	RECTUM	112	-	-	-	2	2	3	8	20	22	15	40
	MALE	57	-	-	-	1	1	1	3	14	17	5	15
	FEMALE	55	-	-	-	1	1	2	5	6	5	10	25
157	PANCREAS	354	-	-	-	-	1	4	23	46	121	60	99
	MALE	167	-	-	-	-	-	1	12	30	61	26	37
	FEMALE	187	-	-	-	-	1	3	11	16	60	34	62
160-165	RESPIRATORY/INTRATHORACIC ORGANS	2,070	-	-	-	-	5	25	133	410	727	337	433
	MALE	1,210	-	-	-	-	5	17	74	231	434	201	248
	FEMALE	860	-	-	-	-	-	8	59	179	293	136	185
162.2-.9	BRONCHUS & LUNG	2,000	-	-	-	-	4	21	125	401	702	326	421
	MALE	1,161	-	-	-	-	4	13	69	224	418	192	241
	FEMALE	839	-	-	-	-	-	8	56	177	284	134	180
170-175	BONE, CONNECTIVE TISSUE, SKIN, & BREAST	720	-	-	1	4	16	58	105	119	156	81	180
	MALE	131	-	-	-	3	7	12	21	22	31	15	20
	FEMALE	589	-	-	1	1	9	46	84	97	125	66	160
172	MALIGNANT MELANOMA	103	-	-	-	-	6	10	19	17	21	12	18
	MALE	67	-	-	-	-	4	5	10	13	15	9	11
	FEMALE	36	-	-	-	-	2	5	9	4	6	3	7
173	OTHER SKIN	31	-	-	-	-	1	-	5	2	5	5	13
	MALE	21	-	-	-	-	1	-	4	1	5	3	7
	FEMALE	10	-	-	-	-	-	-	1	1	-	2	6
174-175	BREAST	518	-	-	-	-	4	40	71	89	114	60	140
	MALE	1	-	-	-	-	-	-	-	1	-	-	-
	FEMALE	517	-	-	-	-	4	40	71	88	114	60	140

- Quantity is zero.

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**TABLE 6-6.
NUMBER OF DEATHS FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)**

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
179-187	GENITAL ORGANS	818	-	-	-	1	8	20	40	71	189	155	334
	MALE	513	-	-	-	-	3	1	9	25	121	110	244
	FEMALE	305	-	-	-	1	5	19	31	46	68	45	90
179-182	CERVIX & UTERUS	127	-	-	-	-	3	14	13	18	30	14	35
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	127	-	-	-	-	3	14	13	18	30	14	35
180	CERVIX UTERI	47	-	-	-	-	3	12	7	5	8	2	10
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	47	-	-	-	-	3	12	7	5	8	2	10
182	UTERUS	54	-	-	-	-	-	2	4	5	19	8	16
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	54	-	-	-	-	-	2	4	5	19	8	16
183.0	OVARY	160	-	-	-	1	2	4	15	25	34	27	52
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	160	-	-	-	1	2	4	15	25	34	27	52
185	PROSTATE	505	-	-	-	-	-	-	8	25	120	109	243
	MALE	505	-	-	-	-	-	-	8	25	120	109	243
	FEMALE	-	-	-	-	-	-	-	-	-	-	-	-
188-189	URINARY ORGANS	300	-	-	-	1	2	3	20	40	89	49	96
	MALE	198	-	-	-	-	1	3	15	34	58	31	56
	FEMALE	102	-	-	-	1	1	-	5	6	31	18	40
188	BLADDER	145	-	-	-	-	-	2	3	18	40	26	56
	MALE	100	-	-	-	-	-	2	3	15	30	18	32
	FEMALE	45	-	-	-	-	-	-	-	3	10	8	24
190-199	OTHER & UNSPECIFIED SITES	575	-	2	2	7	6	20	52	89	149	92	156
	MALE	289	-	2	1	4	4	13	32	48	85	42	58
	FEMALE	286	-	-	1	3	2	7	20	41	64	50	98
191	BRAIN	186	-	1	2	7	5	10	30	43	41	21	26
	MALE	107	-	1	1	4	4	8	22	21	24	11	11
	FEMALE	79	-	-	1	3	1	2	8	22	17	10	15
200-208	LYMPHATIC & HEMATOPOIETIC TISSUES	716	-	2	1	12	14	27	45	77	191	128	219
	MALE	401	-	1	-	5	10	17	35	48	118	71	96
	FEMALE	315	-	1	1	7	4	10	10	29	73	57	123
202	LYMPHOMA	258	-	1	-	2	3	19	20	30	69	49	65
	MALE	137	-	-	-	-	3	11	15	19	39	22	28
	FEMALE	121	-	1	-	2	-	8	5	11	30	27	37

- Quantity is zero.

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TABLE 6-6.
NUMBER OF DEATHS FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
203.0	MULTIPLE MYELOMA	133	-	-	-	-	1	-	1	16	41	25	49
	MALE	75	-	-	-	-	-	-	-	9	27	17	22
	FEMALE	58	-	-	-	-	1	-	1	7	14	8	27
204-208	LEUKEMIA	281	-	1	1	8	8	6	19	29	69	50	90
	MALE	166	-	1	-	4	6	5	16	18	47	30	39
	FEMALE	115	-	-	1	4	2	1	3	11	22	20	51
204	LYMPHATIC LEUKEMIA	92	-	-	1	4	4	1	4	8	21	14	35
	MALE	44	-	-	-	1	3	1	4	7	11	6	11
	FEMALE	48	-	-	1	3	1	-	-	1	10	8	24
205	MYELOID LEUKEMIA	138	-	-	-	3	3	5	11	16	31	26	43
	MALE	90	-	-	-	2	3	4	8	8	23	19	23
	FEMALE	48	-	-	-	1	-	1	3	8	8	7	20
210-229	BENIGN NEOPLASMS	22	-	-	-	-	-	1	1	3	3	3	11
	MALE	9	-	-	-	-	-	-	1	2	2	2	2
	FEMALE	13	-	-	-	-	-	1	-	1	1	1	9
230-239	IN SITU, UNCERTAIN BEHAVIOR, & UNSPECIFIED NATURE NEOPLASMS	59	-	-	-	2	-	3	3	8	8	11	24
	MALE	23	-	-	-	2	-	3	2	5	3	2	6
	FEMALE	36	-	-	-	-	-	-	1	3	5	9	18
III.	ENDOCRINE, NUTRITIONAL, & METABOLIC DISEASES	963	2	-	5	6	15	26	59	118	210	149	373
	MALE	437	2	-	2	6	10	18	33	61	98	81	126
	FEMALE	526	-	-	3	-	5	8	26	57	112	68	247
250	DIABETES MELLITUS	739	-	-	-	1	11	20	45	91	175	116	280
	MALE	338	-	-	-	1	7	17	26	44	80	64	99
	FEMALE	401	-	-	-	-	4	3	19	47	95	52	181
RESIDUAL OF 240-279	OTHER ENDOCRINE, NUTRITIONAL, & METABOLIC DISEASES	224	2	-	5	5	4	6	14	27	35	33	93
	MALE	99	2	-	2	5	3	1	7	17	18	17	27
	FEMALE	125	-	-	3	-	1	5	7	10	17	16	66
IV.	DISEASES OF THE BLOOD-FORMING ORGANS	122	1	1	1	-	1	2	6	5	20	12	73
	MALE	63	-	-	1	-	-	1	1	3	12	7	38
	FEMALE	59	1	1	-	-	1	1	5	2	8	5	35

- Quantity is zero.

NOTE: ICD is the acronym for the "International Classification of Diseases," a nosological manual published by the World Health Organization.

TABLE 6-6.
NUMBER OF DEATHS FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
280-285	ANEMIAS	52	1	1	-	-	-	2	4	1	3	4	36
	MALE	21	-	-	-	-	-	1	-	1	1	1	17
	FEMALE	31	1	1	-	-	-	1	4	-	2	3	19
RESIDUAL OF 280-289	OTHER DISEASES OF THE BLOOD & BLOOD-FORMING ORGANS	70	-	-	1	-	1	-	2	4	17	8	37
	MALE	42	-	-	1	-	-	-	1	2	11	6	21
	FEMALE	28	-	-	-	-	1	-	1	2	6	2	16
	V. MENTAL DISORDERS	1030	-	-	1	3	21	34	33	36	95	90	717
	MALE	427	-	-	-	3	13	22	28	28	61	43	229
	FEMALE	603	-	-	1	-	8	12	5	8	34	47	488
290.1	ALZHEIMER'S DEMENTIA	311	-	-	-	-	-	-	-	-	20	42	249
	MALE	105	-	-	-	-	-	-	-	-	10	20	75
	FEMALE	206	-	-	-	-	-	-	-	-	10	22	174
291	ALCOHOLIC PSYCHOSIS	11	-	-	-	-	-	-	-	3	1	4	3
	MALE	7	-	-	-	-	-	-	-	1	1	3	2
	FEMALE	4	-	-	-	-	-	-	-	2	-	1	1
303	ALCOHOLISM	108	-	-	-	-	4	12	21	28	28	7	8
	MALE	85	-	-	-	-	2	8	19	24	21	5	6
	FEMALE	23	-	-	-	-	2	4	2	4	7	2	2
304	DRUG DEPENDENCE	26	-	-	-	-	9	11	5	1	-	-	-
	MALE	19	-	-	-	-	6	8	4	1	-	-	-
	FEMALE	7	-	-	-	-	3	3	1	-	-	-	-
305	NON-DEPENDENT DRUG ABUSE	33	-	-	-	2	5	8	4	1	9	2	2
	MALE	20	-	-	-	2	3	4	3	1	6	1	-
	FEMALE	13	-	-	-	-	2	4	1	-	3	1	2
RESIDUAL OF 290-319	OTHER MENTAL DISORDERS	541	-	-	1	1	3	3	3	3	37	35	455
	MALE	191	-	-	-	1	2	2	2	1	23	14	146
	FEMALE	350	-	-	1	-	1	1	1	2	14	21	309
	VI. DISEASES OF THE NERVOUS SYSTEM & SENSE ORGANS	924	5	4	4	3	6	12	34	45	123	140	548
	MALE	405	2	1	2	2	5	11	19	25	60	68	210
	FEMALE	519	3	3	2	1	1	1	15	20	63	72	338

- Quantity is zero.

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TABLE 6-6.
NUMBER OF DEATHS FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
320-322	MENINGITIS	5	1	-	1	-	1	-	1	1	-	-	-
	MALE	4	1	-	-	-	1	-	1	1	-	-	-
	FEMALE	1	-	-	1	-	-	-	-	-	-	-	-
331.0	ALZHEIMER'S DISEASE	429	-	-	-	-	-	-	2	5	37	56	329
	MALE	138	-	-	-	-	-	-	1	2	14	19	102
	FEMALE	291	-	-	-	-	-	-	1	3	23	37	227
332	PARKINSON'S DISEASE	236	-	-	-	-	-	-	1	4	30	47	154
	MALE	147	-	-	-	-	-	-	1	3	24	36	83
	FEMALE	89	-	-	-	-	-	-	-	1	6	11	71
345	EPILEPSY	12	-	-	1	1	4	4	1	-	-	-	1
	MALE	8	-	-	1	-	3	3	-	-	-	-	1
	FEMALE	4	-	-	-	1	1	1	1	-	-	-	-
RESIDUAL OF 320-389	OTHER DISEASES OF THE NERVOUS SYSTEM & SENSE ORGANS	242	4	4	2	2	1	8	29	35	56	37	64
	MALE	108	1	1	1	2	1	8	16	19	22	13	24
	FEMALE	134	3	3	1	-	-	-	13	16	34	24	40
VII.	DISEASES OF THE CIRCULATORY SYSTEM	11,173	11	2	4	7	28	158	386	764	1,964	1,662	6,187
	MALE	5,420	7	2	2	5	20	113	270	510	1,215	904	2,372
	FEMALE	5,753	4	-	2	2	8	45	116	254	749	758	3,815
390-448	MAJOR CARDIOVASCULAR DISEASES	11,142	11	2	4	7	27	157	384	761	1,959	1,656	6,174
	MALE	5,405	7	2	2	5	19	112	269	508	1,212	902	2,367
	FEMALE	5,737	4	-	2	2	8	45	115	253	747	754	3,807
390-398, 402, 404-429	DISEASES OF THE HEART	7,688	10	2	3	5	19	128	310	610	1,416	1,119	4,066
	MALE	3,989	6	2	1	3	12	97	232	432	914	646	1,644
	FEMALE	3,699	4	-	2	2	7	31	78	178	502	473	2,422
390-398	RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE	88	-	-	-	-	2	1	4	4	9	18	50
	MALE	31	-	-	-	-	1	1	2	1	3	5	18
	FEMALE	57	-	-	-	-	1	-	2	3	6	13	32
402, 404	HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE	245	-	-	-	-	-	2	12	17	30	24	160
	MALE	80	-	-	-	-	-	2	4	10	16	10	38
	FEMALE	165	-	-	-	-	-	-	8	7	14	14	122

- Quantity is zero.

NOTE: ICD is the acronym for the "International Classification of Diseases," a nosological manual published by the World Health Organization.

**TABLE 6-6.
NUMBER OF DEATHS FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)**

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
410-414	ISCHEMIC HEART DISEASE	5,201	1	-	-	1	7	93	222	466	1,082	817	2,512
	MALE	2,893	1	-	-	-	6	73	179	346	704	490	1,094
	FEMALE	2,308	-	-	-	1	1	20	43	120	378	327	1,418
410	MYOCARDIAL INFARCTION	2,067	1	-	-	1	2	29	76	194	485	349	930
	MALE	1,161	1	-	-	-	2	22	60	145	311	201	419
	FEMALE	906	-	-	-	1	-	7	16	49	174	148	511
411	OTHER ACUTE & SUBACUTE ISCHEMIC HEART DISEASE	11	-	-	-	-	-	-	1	2	-	2	6
	MALE	5	-	-	-	-	-	-	1	1	-	1	2
	FEMALE	6	-	-	-	-	-	-	-	1	-	1	4
412-414	CHRONIC ISCHEMIC HEART DISEASE	3,123	-	-	-	-	5	64	145	270	597	466	1,576
	MALE	1,727	-	-	-	-	4	51	118	200	393	288	673
	FEMALE	1,396	-	-	-	-	1	13	27	70	204	178	903
415-429	ALL OTHER FORMS	2,154	9	2	3	4	10	32	72	123	295	260	1,344
	MALE	985	5	2	1	3	5	21	47	75	191	141	494
	FEMALE	1,169	4	-	2	1	5	11	25	48	104	119	850
401, 403	HYPERTENSION	194	-	-	-	-	1	1	7	4	41	26	114
	MALE	70	-	-	-	-	1	1	6	1	24	10	27
	FEMALE	124	-	-	-	-	-	-	1	3	17	16	87
430-438	CEREBROVASCULAR DISEASE	2,632	1	-	1	1	6	24	51	107	375	402	1,664
	MALE	1,013	1	-	1	1	5	12	22	48	194	181	548
	FEMALE	1,619	-	-	-	-	1	12	29	59	181	221	1,116
430	SUBARACHNOID HEMORRHAGE	102	-	-	-	1	1	7	22	18	24	11	18
	MALE	32	-	-	-	1	1	4	6	6	9	1	4
	FEMALE	70	-	-	-	-	-	3	16	12	15	10	14
431-432	INTRACEREBRAL & INTRACRANIAL HEMORRHAGES	325	-	-	1	-	4	13	12	32	76	56	131
	MALE	149	-	-	1	-	3	6	6	14	40	29	50
	FEMALE	176	-	-	-	-	1	7	6	18	36	27	81
434	CEREBRAL THROMBOSIS & EMBOLISM	312	-	-	-	-	-	2	3	6	31	45	225
	MALE	110	-	-	-	-	-	1	1	1	18	19	70
	FEMALE	202	-	-	-	-	-	1	2	5	13	26	155
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	1,506	-	-	-	-	1	1	9	35	192	236	1,032
	MALE	560	-	-	-	-	1	1	5	20	103	105	325
	FEMALE	946	-	-	-	-	-	-	4	15	89	131	707

- Quantity is zero.

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TABLE 6-6.
NUMBER OF DEATHS FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
437	GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE	185	1	-	-	-	-	-	1	8	22	25	128
	MALE	66	1	-	-	-	-	-	1	3	9	11	41
	FEMALE	119	-	-	-	-	-	-	-	5	13	14	87
440	ARTERIOSCLEROSIS	256	-	-	-	-	-	-	2	7	27	35	185
	MALE	118	-	-	-	-	-	-	2	7	13	20	76
	FEMALE	138	-	-	-	-	-	-	-	-	14	15	109
441-448	OTHER DISEASES OF ARTERIES, ARTERIOLES, & CAPILLARIES	372	-	-	-	1	1	4	14	33	100	74	145
	MALE	215	-	-	-	1	1	2	7	20	67	45	72
	FEMALE	157	-	-	-	-	-	2	7	13	33	29	73
441	AORTIC ANEURYSM	226	-	-	-	1	-	2	6	20	65	48	84
	MALE	155	-	-	-	1	-	1	6	14	52	35	46
	FEMALE	71	-	-	-	-	-	1	-	6	13	13	38
451-453	VENOUS THROMBOSIS & EMBOLISM	13	-	-	-	-	1	1	2	1	2	2	4
	MALE	6	-	-	-	-	1	1	1	1	1	-	1
	FEMALE	7	-	-	-	-	-	-	1	-	1	2	3
RESIDUAL OF 390-459	OTHER DISEASES OF THE CIRCULATORY SYSTEM	18	-	-	-	-	-	-	-	2	3	4	9
	MALE	9	-	-	-	-	-	-	-	1	2	2	4
	FEMALE	9	-	-	-	-	-	-	-	1	1	2	5
VIII.	DISEASES OF THE RESPIRATORY SYSTEM	2,933	4	1	1	4	9	23	58	206	658	525	1,444
	MALE	1,447	3	1	1	3	4	15	33	104	351	276	656
	FEMALE	1,486	1	-	-	1	5	8	25	102	307	249	788
480-487	PNEUMONIA & INFLUENZA	946	3	-	1	1	2	12	21	30	105	107	664
	MALE	431	2	-	1	1	2	9	12	17	65	59	263
	FEMALE	515	1	-	-	-	-	3	9	13	40	48	401
480-486	PNEUMONIA	936	3	-	1	1	2	11	21	29	105	104	659
	MALE	426	2	-	1	1	2	8	12	16	65	58	261
	FEMALE	510	1	-	-	-	-	3	9	13	40	46	398
487	INFLUENZA	10	-	-	-	-	-	1	-	1	-	3	5
	MALE	5	-	-	-	-	-	1	-	1	-	1	2
	FEMALE	5	-	-	-	-	-	-	-	-	-	2	3

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**TABLE 6-6.
NUMBER OF DEATHS FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)**

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE & ALLIED CONDITIONS	1,676	-	-	-	2	4	9	31	158	493	354	625
	MALE	851	-	-	-	1	1	4	19	77	251	178	320
	FEMALE	825	-	-	-	1	3	5	12	81	242	176	305
490-491	CHRONIC & UNSPECIFIED BRONCHITIS	51	-	-	-	-	-	1	-	9	12	7	22
	MALE	36	-	-	-	-	-	-	-	6	10	4	16
	FEMALE	15	-	-	-	-	-	1	-	3	2	3	6
492	EMPHYSEMA	406	-	-	-	-	-	2	14	45	138	81	126
	MALE	213	-	-	-	-	-	2	11	23	70	33	74
	FEMALE	193	-	-	-	-	-	-	3	22	68	48	52
493	ASTHMA	89	-	-	-	2	4	5	4	7	14	17	36
	MALE	38	-	-	-	1	1	1	2	3	9	9	12
	FEMALE	51	-	-	-	1	3	4	2	4	5	8	24
494	BRONCHIECTASIS	26	-	-	-	-	-	-	1	2	4	4	15
	MALE	6	-	-	-	-	-	-	-	1	-	2	3
	FEMALE	20	-	-	-	-	-	-	1	1	4	2	12
496	CHRONIC AIRWAY OBSTRUCTION NOT ELSEWHERE CLASSIFIED (COPD)	1,104	-	-	-	-	-	1	12	95	325	245	426
	MALE	558	-	-	-	-	-	1	6	44	162	130	215
	FEMALE	546	-	-	-	-	-	-	6	51	163	115	211
RESIDUAL OF 460-519	OTHER DISEASES OF THE RESPIRATORY SYSTEM	311	1	1	-	1	3	2	6	18	60	64	155
	MALE	165	1	1	-	1	1	2	2	10	35	39	73
	FEMALE	146	-	-	-	-	2	-	4	8	25	25	82
IX.	DISEASES OF THE DIGESTIVE SYSTEM	1,013	1	2	5	4	7	70	97	115	186	139	387
	MALE	491	1	2	1	2	5	44	61	72	108	53	142
	FEMALE	522	-	-	4	2	2	26	36	43	78	86	245
531	ULCER OF THE STOMACH	12	-	-	-	-	1	-	1	-	1	3	6
	MALE	4	-	-	-	-	-	-	1	-	1	1	1
	FEMALE	8	-	-	-	-	1	-	-	-	-	2	5
532	ULCER OF THE DUODENUM	17	-	-	-	1	-	-	-	2	2	3	9
	MALE	7	-	-	-	-	-	-	-	2	1	-	4
	FEMALE	10	-	-	-	1	-	-	-	-	1	3	5

- Quantity is zero.

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TABLE 6-6.
NUMBER OF DEATHS FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS												
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+	
533	PEPTIC ULCER	20	-	-	-	-	-	-	-	-	-	1	6	13
	MALE	8	-	-	-	-	-	-	-	-	-	-	4	4
	FEMALE	12	-	-	-	-	-	-	-	-	-	1	2	9
550-553, 560	HERNIA & INTESTINAL OBSTRUCTION	83	-	-	2	-	1	1	4	3	11	10	51	
	MALE	38	-	-	1	-	-	1	2	1	5	4	24	
	FEMALE	45	-	-	1	-	1	-	2	2	6	6	27	
571	CIRRHOSIS OF THE LIVER	328	-	-	-	-	4	55	68	80	68	28	25	
	MALE	198	-	-	-	-	4	33	46	49	43	11	12	
	FEMALE	130	-	-	-	-	-	22	22	31	25	17	13	
571.0-.3	ALCOHOLIC CIRRHOSIS OF THE LIVER	276	-	-	-	-	4	54	65	72	52	15	14	
	MALE	183	-	-	-	-	4	33	43	48	38	7	10	
	FEMALE	93	-	-	-	-	-	21	22	24	14	8	4	
574-576	DISEASES OF THE GALLBLADDER	57	-	1	-	-	-	1	2	1	9	10	33	
	MALE	28	-	1	-	-	-	1	2	1	6	3	14	
	FEMALE	29	-	-	-	-	-	-	-	-	3	7	19	
577	DISEASES OF THE PANCREAS	31	-	-	-	-	-	5	2	5	7	3	9	
	MALE	18	-	-	-	-	-	4	-	5	4	1	4	
	FEMALE	13	-	-	-	-	-	1	2	-	3	2	5	
RESIDUAL OF 520-579	OTHER DISEASES OF THE DIGESTIVE SYSTEM	465	1	1	3	3	1	8	20	24	87	76	241	
	MALE	190	1	1	-	2	1	5	10	14	48	29	79	
	FEMALE	275	-	-	3	1	-	3	10	10	39	47	162	
X.	DISEASES OF THE GENITOURINARY SYSTEM	360	-	-	-	1	1	7	8	16	44	59	224	
	MALE	149	-	-	-	1	-	4	6	6	18	24	90	
	FEMALE	211	-	-	-	-	1	3	2	10	26	35	134	
580-589	NEPHRITIS & NEPHROSIS	153	-	-	-	-	1	3	6	8	24	30	81	
	MALE	63	-	-	-	-	-	2	5	3	11	12	30	
	FEMALE	90	-	-	-	-	1	1	1	5	13	18	51	
590	INFECTIONS OF THE KIDNEY	14	-	-	-	1	-	-	1	1	1	3	7	
	MALE	3	-	-	-	1	-	-	-	-	-	-	2	
	FEMALE	11	-	-	-	-	-	-	1	1	1	3	5	
599.0	URINARY TRACT INFECTION	141	-	-	-	-	-	2	1	4	13	17	104	
	MALE	48	-	-	-	-	-	1	1	2	3	7	34	
	FEMALE	93	-	-	-	-	-	1	-	2	10	10	70	

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**TABLE 6-6.
NUMBER OF DEATHS FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)**

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
600-608	DISEASES OF MALE GENITAL ORGANS	18	-	-	-	-	-	-	-	-	1	3	14
	MALE	18	-	-	-	-	-	-	-	-	1	3	14
	FEMALE	-	-	-	-	-	-	-	-	-	-	-	-
614-629	DISEASES OF THE UTERUS & OTHER FEMALE GENITAL ORGANS	4	-	-	-	-	-	1	-	1	1	1	-
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	4	-	-	-	-	-	1	-	1	1	1	-
RESIDUAL OF 580-629	OTHER DISEASES OF THE GENITOURINARY SYSTEM	30	-	-	-	-	-	1	-	2	4	5	18
	MALE	17	-	-	-	-	-	1	-	1	3	2	10
	FEMALE	13	-	-	-	-	-	-	-	1	1	3	8
630-676	XI. COMPLICATIONS OF PREGNANCY, CHILD BIRTH & THE PUERPERIUM	2	-	-	-	-	-	2	-	-	-	-	-
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	2	-	-	-	-	-	2	-	-	-	-	-
680-709	XII. DISEASES OF THE SKIN & SUBCUTANEOUS TISSUE	35	-	-	-	-	-	-	1	3	10	4	17
	MALE	17	-	-	-	-	-	-	1	1	6	2	7
	FEMALE	18	-	-	-	-	-	-	-	2	4	2	10
710-739	XIII. MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DISEASES	164	-	-	2	1	2	-	14	5	28	24	88
	MALE	41	-	-	-	1	-	-	4	1	9	9	17
	FEMALE	123	-	-	2	-	2	-	10	4	19	15	71
745-746	XIV. CONGENITAL ANOMALIES	143	52	9	4	7	13	9	2	7	10	6	24
	MALE	68	24	5	3	5	8	5	-	3	2	4	9
	FEMALE	75	28	4	1	2	5	4	2	4	8	2	15
745-746	CONGENITAL ANOMALIES OF THE HEART	48	18	5	-	4	9	2	1	2	2	-	5
	MALE	24	9	4	-	3	6	1	-	1	-	-	-
	FEMALE	24	9	1	-	1	3	1	1	1	2	-	5
RESIDUAL OF 740-759	OTHER CONGENITAL ANOMALIES	95	34	4	4	3	4	7	1	5	8	6	19
	MALE	44	15	1	3	2	2	4	-	2	2	4	9
	FEMALE	51	19	3	1	1	2	3	1	3	6	2	10

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TABLE 6-6.
NUMBER OF DEATHS FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
760-779	XV. PERINATAL CONDITIONS	95	90	4	1	-	-	-	-	-	-	-	-
	MALE	57	55	2	-	-	-	-	-	-	-	-	-
	FEMALE	38	35	2	1	-	-	-	-	-	-	-	-
	XVI. SYMPTOMS & ILL-DEFINED CONDITIONS	552	48	2	2	4	2	10	31	52	87	64	250
	MALE	276	24	1	2	1	1	9	26	36	59	29	88
	FEMALE	276	24	1	-	3	1	1	5	16	28	35	162
797	SENILITY	33	-	-	-	-	-	-	-	-	1	-	32
	MALE	8	-	-	-	-	-	-	-	-	-	-	8
	FEMALE	25	-	-	-	-	-	-	-	-	1	-	24
798.0	SUDDEN INFANT DEATH SYNDROME	47	47	-	-	-	-	-	-	-	-	-	-
	MALE	23	23	-	-	-	-	-	-	-	-	-	-
	FEMALE	24	24	-	-	-	-	-	-	-	-	-	-
RESIDUAL OF 780-799	OTHER SYMPTOMS & ILL-DEFINED CONDITIONS	472	1	2	2	4	2	10	31	52	86	64	218
	MALE	245	1	1	2	1	1	9	26	36	59	29	80
	FEMALE	227	-	1	-	3	1	1	5	16	27	35	138
	XVII. ACCIDENTS, POISONING, & VIOLENCE	2,053	25	37	68	302	325	380	245	149	155	79	288
	MALE	1,435	18	23	36	240	250	287	175	103	109	49	145
	FEMALE	618	7	14	32	62	75	93	70	46	46	30	143
800-949	ACCIDENTS	1,295	8	28	50	193	186	214	145	83	98	55	235
	MALE	848	6	16	24	146	142	162	106	51	62	32	101
	FEMALE	447	2	12	26	47	44	52	39	32	36	23	134
810-825	MOTOR VEHICLE ACCIDENTS	531	4	9	26	139	96	79	58	27	43	18	32
	MALE	347	3	3	14	98	68	51	40	13	26	10	21
	FEMALE	184	1	6	12	41	28	28	18	14	17	8	11
830-838	WATER TRANSPORT ACCIDENTS	12	-	1	1	1	-	4	4	1	-	-	-
	MALE	11	-	1	-	1	-	4	4	1	-	-	-
	FEMALE	1	-	-	1	-	-	-	-	-	-	-	-
840-845	AIR TRANSPORT ACCIDENTS	24	-	-	-	1	8	5	9	1	-	-	-
	MALE	22	-	-	-	1	8	5	7	1	-	-	-
	FEMALE	2	-	-	-	-	-	-	2	-	-	-	-
850-869	POISONING ACCIDENTS	180	-	-	1	10	44	82	33	6	1	1	2
	MALE	140	-	-	1	8	32	69	25	5	-	-	-
	FEMALE	40	-	-	-	2	12	13	8	1	1	1	2

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TABLE 6-6.
NUMBER OF DEATHS FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
880-888	ACCIDENTAL FALLS	260	-	-	1	4	6	8	12	17	17	23	172
	MALE	124	-	-	1	3	6	5	9	11	10	12	67
	FEMALE	136	-	-	-	1	-	3	3	6	7	11	105
890-899	FIRE & FLAME ACCIDENTS	41	-	7	5	8	-	5	5	5	5	-	1
	MALE	23	-	4	3	6	-	4	2	1	2	-	1
	FEMALE	18	-	3	2	2	-	1	3	4	3	-	-
910	DROWNING & SUBMERSION	47	-	5	11	12	5	6	4	3	1	-	-
	MALE	36	-	5	4	12	5	5	4	1	-	-	-
	FEMALE	11	-	-	7	-	-	1	-	2	1	-	-
950-959	SUICIDES	533	-	-	10	69	87	119	78	51	53	22	44
	MALE	435	-	-	9	61	73	91	56	43	44	17	41
	FEMALE	98	-	-	1	8	14	28	22	8	9	5	3
960-978	HOMICIDES	152	6	9	7	34	40	23	12	11	1	1	8
	MALE	101	5	7	2	27	27	18	5	8	-	-	2
	FEMALE	51	1	2	5	7	13	5	7	3	1	1	6
980-989	INJURY UNDETERMINED WHETHER ACCIDENTIALLY OR PURPOSELY INFLECTED	73	11	-	1	6	12	24	10	4	3	1	1
	MALE	51	7	-	1	6	8	16	8	1	3	-	1
	FEMALE	22	4	-	-	-	4	8	2	3	-	1	-
990-999	INJURY RESULTING FROM OPERATIONS OF WAR	-	-	-	-	-	-	-	-	-	-	-	-
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	-	-	-	-	-	-	-	-	-	-	-	-

- Quantity is zero.

* ICD-9 is an acronym for "International Classification of Disease, 9th Revision" as established by the World Health Organization and published in the *Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, 9th Revision*, World Health Organization, 1977, Geneva Switzerland.

**TABLE 6-7.
DEATH RATES FOR SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996**

ICD* 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
ALL CAUSES		908.5	559.1	36.3	24.2	87.9	131.1	201.3	365.5	1,037.4	2,399.4	4,646.2	11,245.3
	MALE	937.8	611.1	43.0	23.8	131.2	191.2	281.9	457.4	1,265.3	3,071.5	5,837.7	12,841.6
	FEMALE	880.1	504.9	29.3	24.6	42.4	69.5	122.2	273.9	822.1	1,839.5	3,778.8	10,376.4
I. INFECTIVE & PARASITIC DISEASE		14.9	11.5	1.6	1.3	1.4	16.9	24.7	12.5	15.5	21.0	37.4	67.7
	MALE	21.3	-	2.0	1.3	2.3	29.8	44.2	22.7	21.3	25.4	51.2	58.2
	FEMALE	8.7	23.4	1.1	1.4	0.5	3.8	5.7	2.4	10.1	17.3	27.4	72.9
010-018, 137	TUBERCULOSIS, ALL FORMS	0.4	-	-	-	0.2	-	-	0.2	0.8	2.1	-	4.5
	MALE	0.4	-	-	-	0.5	-	-	0.5	0.8	1.9	-	5.1
	FEMALE	0.4	-	-	-	-	-	-	-	0.8	2.4	-	4.1
038	SEPTICEMIA	3.3	-	0.5	0.2	0.2	0.7	1.0	0.7	3.6	6.0	23.8	42.8
	MALE	3.0	-	1.0	-	0.5	0.9	0.8	0.5	4.1	8.5	35.0	32.9
	FEMALE	3.7	-	-	0.5	-	0.5	1.1	0.9	3.1	3.9	15.7	48.2
042-044	AIDS	7.0	-	-	-	0.2	14.9	20.4	8.3	5.2	1.3	-	-
	MALE	13.5	-	-	-	0.5	27.1	38.8	16.5	10.7	2.8	-	-
	FEMALE	0.7	-	-	-	-	2.3	2.3	-	-	-	-	-
070	VIRAL HEPATITIS	1.6	-	-	-	-	0.5	2.7	1.9	2.8	5.6	3.4	2.7
	MALE	1.9	-	-	-	-	0.5	3.5	3.3	4.1	5.7	2.7	2.5
	FEMALE	1.2	-	-	-	-	0.5	1.9	0.5	1.5	5.5	3.9	2.8
RESIDUAL OF 001-139	OTHER INFECTIVE & PARASITIC DISEASES	2.5	11.5	1.1	1.1	0.7	0.9	0.8	1.4	3.2	6.0	10.2	17.8
	MALE	2.4	-	1.0	1.3	0.9	1.4	1.2	1.9	1.6	6.6	13.5	17.7
	FEMALE	2.7	23.4	1.1	0.9	0.5	0.5	0.4	0.9	4.6	5.5	7.8	17.9
II. NEOPLASMS		215.8	-	2.1	1.1	7.2	14.4	37.1	123.3	416.4	841.6	1,259.1	1,713.7
	MALE	231.5	-	3.1	0.9	7.2	16.5	34.6	124.3	463.0	1,060.6	1,615.6	2,343.8
	FEMALE	200.5	-	1.1	1.4	7.1	12.2	39.6	122.4	372.4	659.2	999.6	1,370.7
140-208	MALIGNANT NEOPLASMS	213.3	-	2.1	1.1	6.7	14.4	36.3	122.4	412.0	836.9	1,243.2	1,682.5
	MALE	229.5	-	3.1	0.9	6.3	16.5	33.4	122.9	457.3	1,055.8	1,604.8	2,323.6
	FEMALE	197.5	-	1.1	1.4	7.1	12.2	39.2	121.9	369.3	654.5	980.0	1,333.5
140-149	BUCCAL CAVITY & PHARYNX	2.7	-	-	-	0.2	-	0.6	1.9	5.6	10.3	12.5	22.3
	MALE	3.1	-	-	-	0.5	-	0.8	3.3	5.7	14.1	24.2	20.2
	FEMALE	2.3	-	-	-	-	-	0.4	0.5	5.4	7.1	3.9	23.4
150-159	DIGESTIVE ORGANS & PERITONEUM	47.1	-	-	0.2	0.7	2.6	6.7	27.4	85.6	184.1	275.6	396.6
	MALE	51.4	-	-	0.4	0.5	2.8	8.4	31.7	117.2	243.9	315.0	477.9
	FEMALE	43.0	-	-	-	1.0	2.3	4.9	23.1	55.7	134.2	247.0	352.3

WARNING: Rates based on less than 5 events are unreliable.

- Quantity is zero.

Rates per 100,000 population.

NOTE: ICD is the acronym for the "International Classification of Diseases," a nosological manual published by the World Health Organization.

**TABLE 6-7.
Death Rates from Selected Causes by Age and Sex, Oregon Residents, 1997 (Continued)**

ICD 9TH Rev.	Cause of Death	Age Groups												
		Total	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+	
150	ESOPHAGUS	4.5	-	-	-	-	-	0.4	3.5	11.9	21.4	27.2	20.5	
		MALE	6.4	-	-	-	-	-	0.8	6.6	18.8	32.0	43.1	30.3
		FEMALE	2.7	-	-	-	-	-	-	0.5	5.4	12.6	15.7	15.1
151	STOMACH	4.6	-	-	-	-	0.7	0.8	2.6	8.0	15.0	26.1	43.7	
		MALE	6.0	-	-	-	-	0.9	0.8	3.8	11.5	22.6	35.0	78.4
		FEMALE	3.2	-	-	-	-	0.5	0.8	1.4	4.6	8.6	19.6	24.8
153	LARGE INTESTINE (EXC. RECTUM)	17.5	-	-	-	-	0.7	2.5	10.4	29.1	64.2	99.8	164.9	
		MALE	17.7	-	-	-	-	0.9	2.7	9.0	39.3	83.8	110.4	179.5
		FEMALE	17.3	-	-	-	-	0.5	2.3	11.8	19.4	47.9	92.1	156.9
154	RECTUM	3.5	-	-	-	0.5	0.5	0.6	1.9	8.0	9.4	17.0	35.6	
		MALE	3.6	-	-	-	0.5	0.5	0.4	1.4	11.5	16.0	13.5	37.9
		FEMALE	3.4	-	-	-	0.5	0.5	0.8	2.4	4.6	3.9	19.6	34.4
157	PANCREAS	11.1	-	-	-	-	0.2	0.8	5.4	18.3	51.8	68.1	88.2	
		MALE	10.7	-	-	-	-	-	0.4	5.7	24.6	57.5	70.0	93.6
		FEMALE	11.6	-	-	-	-	0.5	1.1	5.2	12.4	47.1	66.6	85.3
160-165	RESPIRATORY/INTRATHORACIC ORGANS	65.1	-	-	-	-	1.2	4.8	31.4	163.2	311.2	382.3	385.9	
		MALE	77.2	-	-	-	-	2.3	6.5	35.0	189.3	408.8	541.2	627.0
		FEMALE	53.3	-	-	-	-	-	3.0	27.8	138.6	229.9	266.6	254.6
162.2-.9	BRONCHUS & LUNG	62.9	-	-	-	-	0.9	4.0	29.5	159.6	300.5	369.8	375.2	
		MALE	74.1	-	-	-	-	0.9	2.5	16.3	89.2	178.9	217.8	214.8
		FEMALE	52.0	-	-	-	-	-	3.1	26.5	145.1	267.5	360.8	455.1
170-175	BONE, CONNECTIVE TISSUE, SKIN, & BREAST	22.6	-	-	0.2	0.9	3.7	11.0	24.8	47.4	66.8	91.9	160.4	
		MALE	8.4	-	-	-	1.4	3.2	4.6	9.9	18.0	29.2	40.4	50.6
		FEMALE	36.5	-	-	0.5	0.5	4.2	17.4	39.5	75.1	98.1	129.4	220.2
172	MALIGNANT MELANOMA	3.2	-	-	-	-	1.4	1.9	4.5	6.8	9.0	13.6	16.0	
		MALE	4.3	-	-	-	-	1.8	1.9	4.7	10.7	14.1	24.2	27.8
		FEMALE	2.2	-	-	-	-	0.9	1.9	4.2	3.1	4.7	5.9	9.6
173	OTHER SKIN	1.0	-	-	-	-	0.2	-	1.2	0.8	2.1	5.7	11.6	
		MALE	1.3	-	-	-	-	0.5	-	1.9	0.8	4.7	8.1	17.7
		FEMALE	0.6	-	-	-	-	-	-	0.5	0.8	-	3.9	8.3
174-175	BREAST	16.3	-	-	-	-	0.9	7.6	16.7	35.4	48.8	68.1	124.8	
		MALE	0.1	-	-	-	-	-	-	-	0.8	-	-	-
		FEMALE	32.0	-	-	-	-	1.9	15.1	33.4	68.1	89.5	117.6	192.7

WARNING: Rates based on less than 5 events are unreliable.

- Quantity is zero.

Rates per 100,000 population.

NOTE: ICD is the acronym for the "International Classification of Diseases," a nosological manual published by the World Health Organization.

**TABLE 6-7.
DEATH RATES FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)**

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
179-187	GENITAL ORGANS	25.7	-	-	-	0.2	1.9	3.8	9.4	28.3	80.9	175.8	297.6
	MALE	32.7	-	-	-	-	1.4	0.4	4.3	20.5	114.0	296.2	616.9
	FEMALE	18.9	-	-	-	0.5	2.3	7.2	14.6	35.6	53.4	88.2	123.9
179-182	CERVIX & UTERUS	4.0	-	-	-	-	0.7	2.7	3.1	7.2	12.8	15.9	31.2
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	7.9	-	-	-	-	1.4	5.3	6.1	13.9	23.5	27.4	48.2
180	CERVIX UTERI	1.5	-	-	-	-	0.7	2.3	1.7	2.0	3.4	2.3	8.9
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	2.9	-	-	-	-	1.4	4.5	3.3	3.9	6.3	3.9	13.8
182	UTERUS	1.7	-	-	-	-	-	0.4	0.9	2.0	8.1	9.1	14.3
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	3.3	-	-	-	-	-	0.8	1.9	3.9	14.9	15.7	22.0
183.0	OVARY	5.0	-	-	-	0.2	0.5	0.8	3.5	10.0	14.6	30.6	46.3
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	9.9	-	-	-	0.5	0.9	1.5	7.1	19.4	26.7	52.9	71.6
185	PROSTATE	15.9	-	-	-	-	-	-	1.9	10.0	51.4	123.6	216.5
	MALE	32.2	-	-	-	-	-	-	3.8	20.5	113.0	293.5	614.4
	FEMALE	-	-	-	-	-	-	-	-	-	-	-	-
188-189	URINARY ORGANS	9.4	-	-	-	0.2	0.5	0.6	4.7	15.9	38.1	55.6	85.5
	MALE	12.6	-	-	-	-	0.2	0.6	3.5	13.5	24.8	35.2	49.9
	FEMALE	6.3	-	-	-	0.5	0.5	-	2.4	4.9	29.2	48.5	101.1
188	BLADDER	4.6	-	-	-	-	-	0.4	0.7	7.2	17.1	29.5	49.9
	MALE	6.4	-	-	-	-	-	0.8	1.4	12.3	28.3	48.5	80.9
	FEMALE	2.8	-	-	-	-	-	-	-	2.3	7.8	15.7	33.0
190-199	OTHER & UNSPECIFIED SITES	18.1	-	1.1	0.4	1.6	1.4	3.8	12.3	35.4	63.8	104.4	139.0
	MALE	18.4	-	2.0	0.4	1.8	1.8	5.0	15.1	39.3	80.1	113.1	146.6
	FEMALE	17.7	-	-	0.5	1.4	0.9	2.6	9.4	31.7	50.2	98.0	134.9
191	BRAIN	5.8	-	0.5	0.4	1.6	1.2	1.9	7.1	17.1	17.6	23.8	23.2
	MALE	6.8	-	1.0	0.4	1.8	1.8	3.1	10.4	17.2	22.6	29.6	27.8
	FEMALE	4.9	-	-	0.5	1.4	0.5	0.8	3.8	17.0	13.3	19.6	20.6
200-208	LYMPHATIC & HEMATOPOIETIC TISSUES	22.5	-	1.1	0.2	2.8	3.2	5.1	10.6	30.7	81.8	145.2	195.2
	MALE	25.6	-	1.0	-	2.3	4.6	6.5	16.5	39.3	111.1	191.2	242.7
	FEMALE	19.5	-	1.1	0.5	3.3	1.9	3.8	4.7	22.5	57.3	111.7	169.3
202	LYMPHOMA	8.1	-	0.5	-	0.5	0.7	3.6	4.7	11.9	29.5	55.6	57.9
	MALE	8.7	-	-	-	-	1.4	4.2	7.1	15.6	36.7	59.2	70.8
	FEMALE	7.5	-	1.1	-	1.0	-	3.0	2.4	8.5	23.5	52.9	50.9

WARNING: Rates based on less than 5 events are unreliable.

- Quantity is zero.

Rates per 100,000 population.

NOTE: ICD is the acronym for the "International Classification of Diseases," a nosological manual published by the World Health Organization.

**TABLE 6-7.
DEATH RATES FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)**

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
203.0	MULTIPLE MYELOMA	4.2	-	-	-	-	0.2	-	0.2	6.4	17.6	28.4	43.7
	MALE	4.8	-	-	-	-	-	-	-	7.4	25.4	45.8	55.6
	FEMALE	3.6	-	-	-	-	0.5	-	0.5	5.4	11.0	15.7	37.2
204-208	LEUKEMIA	8.8	-	0.5	0.2	1.9	1.9	1.1	4.5	11.5	29.5	56.7	80.2
	MALE	10.6	-	1.0	-	1.8	2.8	1.9	7.6	14.8	44.3	80.8	98.6
	FEMALE	7.1	-	-	0.5	1.9	0.9	0.4	1.4	8.5	17.3	39.2	70.2
204	LYMPHATIC LEUKEMIA	2.9	-	-	0.2	0.9	0.9	0.2	0.9	3.2	9.0	15.9	31.2
	MALE	2.8	-	-	-	0.5	1.4	0.4	1.9	5.7	10.4	16.2	27.8
	FEMALE	3.0	-	-	0.5	1.4	0.5	-	-	0.8	7.8	15.7	33.0
205	MYELOID LEUKEMIA	4.3	-	-	-	0.7	0.7	1.0	2.6	6.4	13.3	29.5	38.3
	MALE	5.7	-	-	-	0.9	1.4	1.5	3.8	6.6	21.7	51.2	58.2
	FEMALE	3.0	-	-	-	0.5	-	0.4	1.4	6.2	6.3	13.7	27.5
210-229	BENIGN NEOPLASMS	0.7	-	-	-	-	-	0.2	0.2	1.2	1.3	3.4	9.8
	MALE	0.6	-	-	-	-	-	-	0.5	1.6	1.9	5.4	5.1
	FEMALE	0.8	-	-	-	-	-	0.4	-	0.8	0.8	2.0	12.4
230-239	IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS	1.9	-	-	-	0.5	-	0.6	0.7	3.2	3.4	12.5	21.4
	MALE	1.5	-	-	-	0.9	-	1.2	0.9	4.1	2.8	5.4	15.2
	FEMALE	2.2	-	-	-	-	-	-	0.5	2.3	3.9	17.6	24.8
III.	ENDOCRINE, NUTRITIONAL, & METABOLIC DISEASES	30.3	4.6	-	1.1	1.4	3.5	4.9	13.9	47.0	89.9	169.0	332.4
	MALE	27.9	9.0	-	0.9	2.7	4.6	6.9	15.6	50.0	92.3	218.1	318.6
	FEMALE	32.6	-	-	1.4	-	2.3	3.0	12.2	44.1	87.9	133.3	339.9
250	DIABETES MELLITUS	23.2	-	-	-	0.2	2.6	3.8	10.6	36.2	74.9	131.6	249.5
	MALE	21.6	-	-	-	0.5	3.2	6.5	12.3	36.1	75.4	172.3	250.3
	FEMALE	24.8	-	-	-	-	1.9	1.1	8.9	36.4	74.6	101.9	249.1
RESIDUAL OF 240-279	OTHER ENDOCRINE, NUTRITIONAL, & METABOLIC DISEASES	7.0	4.6	-	1.1	1.2	0.9	1.1	3.3	10.7	15.0	37.4	82.9
	MALE	6.3	9.0	-	0.9	2.3	1.4	0.4	3.3	13.9	17.0	45.8	68.3
	FEMALE	7.7	-	-	1.4	-	0.5	1.9	3.3	7.7	13.3	31.4	90.8
IV.	DISEASES OF THE BLOOD-FORMING ORGANS	3.8	2.3	0.5	0.2	-	0.2	0.4	1.4	2.0	8.6	13.6	65.1
	MALE	4.0	-	-	0.4	-	-	0.4	0.5	2.5	11.3	18.8	96.1
	FEMALE	3.7	4.7	1.1	-	-	0.5	0.4	2.4	1.5	6.3	9.8	48.2

WARNING: Rates based on less than 5 events are unreliable.

- Quantity is zero.

Rate per 100,000 population.

NOTE: ICD is the acronym for the "International Classification of Diseases," a nosological manual published by the World Health Organization.

TABLE 6-7.
DEATH RATES FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
280-285	ANEMIAS	1.6	2.3	0.5	-	-	-	0.4	0.9	0.4	1.3	4.5	32.1
	MALE	1.3	-	-	-	-	-	0.4	-	0.8	0.9	2.7	43.0
	FEMALE	1.9	4.7	1.1	-	-	-	0.4	1.9	-	1.6	5.9	26.1
RESIDUAL OF 280-289	OTHER DISEASES OF THE BLOOD & BLOOD-FORMING ORGANS	2.2	-	-	0.2	-	0.2	-	0.5	1.6	7.3	9.1	33.0
	MALE	2.7	-	-	0.4	-	-	-	0.5	1.6	10.4	16.2	53.1
	FEMALE	1.7	-	-	-	-	0.5	-	0.5	1.5	4.7	3.9	22.0
	V. MENTAL DISORDERS	32.4	-	-	0.2	0.7	4.9	6.5	7.8	14.3	40.7	102.1	638.9
	MALE	27.3	-	-	-	1.4	6.0	8.4	13.2	22.9	57.5	115.8	579.0
	FEMALE	37.4	-	-	0.5	-	3.8	4.5	2.4	6.2	26.7	92.1	671.6
290.1	ALZHEIMER'S DEMENTIA	9.8	-	-	-	-	-	-	-	-	8.6	47.6	221.9
	MALE	6.7	-	-	-	-	-	-	-	-	9.4	53.9	189.6
	FEMALE	12.8	-	-	-	-	-	-	-	-	7.8	43.1	239.5
291	ALCOHOLIC PSYCHOSIS	0.3	-	-	-	-	-	-	-	1.2	0.4	4.5	2.7
	MALE	0.4	-	-	-	-	-	-	-	0.8	0.9	8.1	5.1
	FEMALE	0.2	-	-	-	-	-	-	-	1.5	-	2.0	1.4
303	ALCOHOLISM	3.4	-	-	-	-	0.9	2.3	5.0	11.1	12.0	7.9	7.1
	MALE	5.4	-	-	-	-	0.9	3.1	9.0	19.7	19.8	13.5	15.2
	FEMALE	1.4	-	-	-	-	0.9	1.5	0.9	3.1	5.5	3.9	2.8
304	DRUG DEPENDENCE	0.8	-	-	-	-	2.1	2.1	1.2	0.4	-	-	-
	MALE	1.2	-	-	-	-	2.8	3.1	1.9	0.8	-	-	-
	FEMALE	0.4	-	-	-	-	1.4	1.1	0.5	-	-	-	-
305	NON-DEPENDENT DRUG ABUSE	1.0	-	-	-	0.5	1.0	1.9	1.6	0.4	10.2	1.8	0.1
	MALE	1.3	-	-	-	0.9	1.2	1.9	2.5	0.9	16.2	2.5	-
	FEMALE	0.8	-	-	-	-	0.8	1.9	0.8	-	5.9	1.4	0.1
RESIDUAL OF 290-319	OTHER MENTAL DISORDERS	17.0	-	-	0.2	0.2	0.7	0.6	0.7	1.2	15.8	39.7	405.5
	MALE	12.2	-	-	-	0.5	0.9	0.8	0.9	0.8	21.7	37.7	369.1
	FEMALE	21.7	-	-	0.5	-	0.5	0.4	0.5	1.5	11.0	41.2	425.2
	VI. DISEASES OF THE NERVOUS SYSTEM & SENSE ORGANS	29.0	11.5	2.1	0.9	0.7	1.4	2.3	8.0	17.9	52.7	158.8	488.3
	MALE	25.8	9.0	1.0	0.9	0.9	2.3	4.2	9.0	20.5	56.5	183.1	531.0
	FEMALE	32.2	14.0	3.3	0.9	0.5	0.5	0.4	7.1	15.5	49.4	141.1	465.1

WARNING: Rates based on less than 5 events are unreliable.

- Quantity is zero.

Rate per 100,000 population.

NOTE: ICD is the acronym for the "International Classification of Diseases," a nosological manual published by the World Health Organization.

**TABLE 6-7.
DEATH RATES FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)**

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
320-322	MENINGITIS	0.2	2.3	-	0.2	-	0.2	-	0.2	0.4	-	-	-
	MALE	0.3	4.5	-	-	-	0.5	-	0.5	0.8	-	-	-
	FEMALE	0.1	-	-	0.5	-	-	-	-	-	-	-	-
331.0	ALZHEIMER'S DISEASE	13.5	-	-	-	-	-	-	0.5	2.0	15.8	63.5	293.2
	MALE	8.8	-	-	-	-	-	-	0.5	1.6	13.2	51.2	257.9
	FEMALE	18.0	-	-	-	-	-	-	0.5	2.3	18.0	72.5	312.4
332	PARKINSON'S DISEASE	7.4	-	-	-	-	-	-	0.2	1.6	12.8	53.3	137.2
	MALE	9.4	-	-	-	-	-	-	0.5	2.5	22.6	96.9	209.9
	FEMALE	5.5	-	-	-	-	-	-	-	0.8	4.7	21.6	97.7
345	EPILEPSY	0.4	-	-	0.2	0.2	0.9	0.8	0.2	-	-	-	0.9
	MALE	0.5	-	-	0.4	-	1.4	1.2	-	-	-	-	2.5
	FEMALE	0.2	-	-	-	0.5	0.5	0.4	0.5	-	-	-	-
RESIDUAL OF 320-389	OTHER DISEASES OF THE NERVOUS SYSTEM & SENSE ORGANS	7.6	9.2	2.1	0.4	0.5	0.2	1.5	6.8	13.9	24.0	42.0	57.0
	MALE	6.9	4.5	1.0	0.4	0.9	0.5	3.1	7.6	15.6	20.7	35.0	60.7
	FEMALE	8.3	14.0	3.3	0.5	-	-	-	6.1	12.4	26.7	47.0	55.0
VII.	DISEASES OF THE CIRCULATORY SYSTEM	351.2	25.2	1.1	0.9	1.6	6.5	30.1	91.0	304.1	840.8	1885.2	5513.5
	MALE	345.9	31.5	2.0	0.9	2.3	9.2	43.4	127.6	417.9	1144.4	2434.2	5997.3
	FEMALE	356.4	18.7	-	0.9	1.0	3.8	17.0	54.6	196.6	587.8	1485.7	5250.1
390-448	MAJOR CARDIOVASCULAR DISEASES	350.3	25.2	1.1	0.9	1.6	6.3	29.9	90.5	302.9	838.6	1878.4	5501.9
	MALE	344.9	31.5	2.0	0.9	2.3	8.7	43.0	127.1	416.3	1141.6	2428.8	5984.7
	FEMALE	355.4	18.7	-	0.9	1.0	3.8	17.0	54.1	195.9	586.2	1477.8	5239.1
390-398, 402, 404- 429	DISEASES OF THE HEART	241.7	22.9	1.1	0.7	1.2	4.4	24.4	73.1	242.8	606.2	1269.3	3623.4
	MALE	254.6	27.0	2.0	0.4	1.4	5.5	37.2	109.6	354.0	860.9	1739.5	4156.7
	FEMALE	229.2	18.7	-	0.9	1.0	3.3	11.7	36.7	137.8	394.0	927.1	3333.1
390-398	RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE	2.8	-	-	-	-	0.5	0.2	0.9	1.6	3.9	20.4	44.6
	MALE	2.0	-	-	-	-	0.5	0.4	0.9	0.8	2.8	13.5	45.5
	FEMALE	3.5	-	-	-	-	0.5	-	0.9	2.3	4.7	25.5	44.0
402,404	HYPERTENSIVE HEART DISEASE WITH OR WITHOUT RENAL DISEASE	7.7	-	-	-	-	-	0.4	2.8	6.8	12.8	27.2	142.6
	MALE	5.1	-	-	-	-	-	0.8	1.9	8.2	15.1	26.9	96.1
	FEMALE	10.2	-	-	-	-	-	-	3.8	5.4	11.0	27.4	167.9

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Rates per 100,000 population.

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**TABLE 6-7.
DEATH RATES FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)**

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
410-414	ISCHEMIC HEART DISEASE	163.5	2.3	-	-	0.2	1.6	17.7	52.3	185.5	463.2	926.7	2238.5
	MALE	184.6	4.5	-	-	-	2.8	28.0	84.6	283.5	663.1	1319.4	2766.0
	FEMALE	143.0	-	-	-	0.5	0.5	7.5	20.2	92.9	296.6	640.9	1951.4
410	MYOCARDIAL INFARCTION	65.0	2.3	-	-	0.2	0.5	5.5	17.9	77.2	207.6	395.9	828.8
	MALE	74.1	4.5	-	-	-	0.9	8.4	28.4	118.8	292.9	541.2	1059.4
	FEMALE	56.1	-	-	-	0.5	-	2.6	7.5	37.9	136.5	290.1	703.2
411	OTHER ACUTE & SUBACUTE ISCHEMIC HEART DISEASE	0.3	-	-	-	-	-	-	0.2	0.8	-	2.3	5.3
	MALE	0.3	-	-	-	-	-	-	0.5	0.8	-	2.7	5.1
	FEMALE	0.4	-	-	-	-	-	-	-	0.8	-	2.0	5.5
412-414	CHRONIC ISCHEMIC HEART DISEASE	98.2	-	-	-	-	1.2	12.2	34.2	107.5	255.6	528.6	1404.4
	MALE	110.2	-	-	-	-	1.8	19.6	55.8	163.9	370.2	775.5	1701.6
	FEMALE	86.5	-	-	-	-	0.5	4.9	12.7	54.2	160.1	348.9	1242.7
415-429	ALL OTHER FORMS	67.7	20.6	1.1	0.7	0.9	2.3	6.1	17.0	49.0	126.3	294.9	1197.7
	MALE	62.9	22.5	2.0	0.4	1.4	2.3	8.1	22.2	61.5	179.9	379.7	1249.0
	FEMALE	72.4	18.7	-	0.9	0.5	2.3	4.1	11.8	37.2	81.6	233.2	1169.8
401, 403	HYPERTENSION	6.1	-	-	-	-	0.2	0.2	1.7	1.6	17.6	29.5	101.6
	MALE	4.5	-	-	-	-	0.5	0.4	2.8	0.8	22.6	26.9	68.3
	FEMALE	7.7	-	-	-	-	-	-	0.5	2.3	13.3	31.4	119.7
430-438	CEREBROVASCULAR DISEASE	82.7	2.3	-	0.2	0.2	1.4	4.6	12.0	42.6	160.5	456.0	1482.9
	MALE	64.6	4.5	-	0.4	0.5	2.3	4.6	10.4	39.3	182.7	487.4	1385.6
	FEMALE	100.3	-	-	-	-	0.5	4.5	13.6	45.7	142.0	433.2	1535.8
430	SUBARACHNOID HEMORRHAGE	3.2	-	-	-	0.2	0.2	1.3	5.2	7.2	10.3	12.5	16.0
	MALE	2.0	-	-	-	0.5	0.5	1.5	2.8	4.9	8.5	2.7	10.1
	FEMALE	4.3	-	-	-	-	-	1.1	7.5	9.3	11.8	19.6	19.3
431-432	INTRACEREBRAL & INTRACRANIAL HEMORRHAGES	10.2	-	-	0.2	-	0.9	2.5	2.8	12.7	32.5	63.5	116.7
	MALE	9.5	-	-	0.4	-	1.4	2.3	2.8	11.5	37.7	78.1	126.4
	FEMALE	10.9	-	-	-	-	0.5	2.6	2.8	13.9	28.3	52.9	111.5
434	CEREBRAL THROMBOSIS & EMBOLISM	9.8	-	-	-	-	-	0.4	0.7	2.4	13.3	51.0	200.5
	MALE	7.0	-	-	-	-	-	0.4	0.5	0.8	17.0	51.2	177.0
	FEMALE	12.5	-	-	-	-	-	0.4	0.9	3.9	10.2	51.0	213.3
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	47.3	-	-	-	-	0.2	0.2	2.1	13.9	82.2	267.7	919.7
	MALE	35.7	-	-	-	-	0.5	0.4	2.4	16.4	97.0	282.7	821.7
	FEMALE	58.6	-	-	-	-	-	-	1.9	11.6	69.8	256.8	973.0

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Rates per 100,000 population.

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**TABLE 6-7.
DEATH RATES FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)**

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
437	GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE	5.8	2.3	-	-	-	-	-	0.2	3.2	9.4	28.4	114.1
	MALE	4.2	4.5	-	-	-	-	-	0.5	2.5	8.5	29.6	103.7
	FEMALE	7.4	-	-	-	-	-	-	-	3.9	10.2	27.4	119.7
440	ARTERIOSCLEROSIS	8.0	-	-	-	-	-	-	0.5	2.8	11.6	39.7	164.9
	MALE	7.5	-	-	-	-	-	-	0.9	5.7	12.2	53.9	192.2
	FEMALE	8.5	-	-	-	-	-	-	-	-	11.0	29.4	150.0
441-448	OTHER DISEASES OF ARTERIES, ARTERIOLES & CAPILLARIES	11.7	-	-	-	0.2	0.2	0.8	3.3	13.1	42.8	83.9	129.2
	MALE	13.7	-	-	-	0.5	0.5	0.8	3.3	16.4	63.1	121.2	182.0
	FEMALE	9.7	-	-	-	-	-	0.8	3.3	10.1	25.9	56.8	100.5
441	AORTIC ANEURYSM	7.1	-	-	-	0.2	-	0.4	1.4	8.0	27.8	54.4	74.9
	MALE	9.9	-	-	-	0.5	-	0.4	2.8	11.5	49.0	94.2	116.3
	FEMALE	4.4	-	-	-	-	-	0.4	-	4.6	10.2	25.5	52.3
451-453	VENOUS THROMBOSIS & EMBOLISM	0.4	-	-	-	-	0.2	0.2	0.5	0.4	0.9	2.3	3.6
	MALE	0.4	-	-	-	-	0.5	0.4	0.5	0.8	0.9	-	2.5
	FEMALE	0.4	-	-	-	-	-	-	0.5	-	0.8	3.9	4.1
RESIDUAL OF 390-459	OTHER DISEASES OF THE CIRCULATORY SYSTEM	0.6	-	-	-	-	-	-	-	0.8	1.3	4.5	8.0
	MALE	0.6	-	-	-	-	-	-	-	0.8	1.9	5.4	10.1
	FEMALE	0.6	-	-	-	-	-	-	-	0.8	0.8	3.9	6.9
VIII.	DISEASES OF THE RESPIRATORY SYSTEM	92.2	9.2	0.5	0.2	0.9	2.1	4.4	13.7	82.0	281.7	595.5	1286.8
	MALE	92.3	13.5	1.0	0.4	1.4	1.8	5.8	15.6	85.2	330.6	743.2	1658.6
	FEMALE	92.1	4.7	-	-	0.5	2.3	3.0	11.8	79.0	240.9	488.0	1084.4
480-487	PNEUMONIA & INFLUENZA	29.7	6.9	-	0.2	0.2	0.5	2.3	5.0	11.9	44.9	121.4	591.7
	MALE	27.5	9.0	-	0.4	0.5	0.9	3.5	5.7	13.9	61.2	158.9	665.0
	FEMALE	31.9	4.7	-	-	-	-	1.1	4.2	10.1	31.4	94.1	551.8
480-486	PNEUMONIA	29.4	6.9	-	0.2	0.2	0.5	2.1	5.0	11.5	44.9	118.0	587.3
	MALE	27.2	9.0	-	0.4	0.5	0.9	3.1	5.7	13.1	61.2	156.2	659.9
	FEMALE	31.6	4.7	-	-	-	-	1.1	4.2	10.1	31.4	90.2	547.7
487	INFLUENZA	0.3	-	-	-	-	-	0.2	-	0.4	-	3.4	4.5
	MALE	0.3	-	-	-	-	-	0.4	-	0.8	-	2.7	5.1
	FEMALE	0.3	-	-	-	-	-	-	-	-	-	3.9	4.1

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Rates per 100,000 population.

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TABLE 6-7.
DEATH RATES FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE & ALLIED CONDITIONS	52.7	-	-	-	0.5	0.9	1.7	7.3	62.9	211.0	401.5	557.0
	MALE	54.3	-	-	-	0.5	0.5	1.5	9.0	63.1	236.4	479.3	809.1
	FEMALE	51.1	-	-	-	0.5	1.4	1.9	5.6	62.7	189.9	345.0	419.7
490-491	CHRONIC & UNSPECIFIED BRONCHITIS	1.6	-	-	-	-	-	0.2	-	3.6	5.1	7.9	19.6
	MALE	2.3	-	-	-	-	-	-	-	4.9	9.4	10.8	40.5
	FEMALE	0.9	-	-	-	-	-	0.4	-	2.3	1.6	5.9	8.3
492	EMPHYSEMA	12.8	-	-	-	-	-	0.4	3.3	17.9	59.1	91.9	112.3
	MALE	13.6	-	-	-	-	-	0.8	5.2	18.8	65.9	88.9	187.1
	FEMALE	12.0	-	-	-	-	-	-	1.4	17.0	53.4	94.1	71.6
493	ASTHMA	2.8	-	-	-	0.5	0.9	1.0	0.9	2.8	6.0	19.3	32.1
	MALE	2.4	-	-	-	0.5	0.5	0.4	0.9	2.5	8.5	24.2	30.3
	FEMALE	3.2	-	-	-	0.5	1.4	1.5	0.9	3.1	3.9	15.7	33.0
494	BRONCHIECTASIS	0.8	-	-	-	-	-	-	0.2	0.8	1.7	4.5	13.4
	MALE	0.4	-	-	-	-	-	-	-	0.8	-	5.4	7.6
	FEMALE	1.2	-	-	-	-	-	-	0.5	0.8	3.1	3.9	16.5
496	CHRONIC AIRWAY OBSTRUCTION NOT ELSEWHERE CLASSIFIED (COPD)	34.7	-	-	-	-	-	0.2	2.8	37.8	139.1	277.9	379.6
	MALE	35.6	-	-	-	-	-	0.4	2.8	36.1	152.6	350.0	543.6
	FEMALE	33.8	-	-	-	-	-	-	2.8	39.5	127.9	225.4	290.4
RESIDUAL OF 460-519	OTHER DISEASES OF THE RESPIRATORY SYSTEM	9.8	2.3	0.5	-	0.2	0.7	0.4	1.4	7.2	25.7	72.6	138.1
	MALE	10.5	4.5	1.0	-	0.5	0.5	0.8	0.9	8.2	33.0	105.0	184.6
	FEMALE	9.0	-	-	-	-	0.9	-	1.9	6.2	19.6	49.0	112.8
IX.	DISEASES OF THE DIGESTIVE SYSTEM	31.8	2.3	1.1	1.1	0.9	1.6	13.3	22.9	45.8	79.6	157.7	344.9
	MALE	31.3	4.5	2.0	0.4	0.9	2.3	16.9	28.8	59.0	101.7	142.7	359.0
	FEMALE	32.3	-	-	1.8	1.0	0.9	9.8	16.9	33.3	61.2	168.6	337.2
531	ULCER OF THE STOMACH	0.4	-	-	-	-	0.2	-	0.2	-	0.4	3.4	5.3
	MALE	0.3	-	-	-	-	-	-	0.5	-	0.9	2.7	2.5
	FEMALE	0.5	-	-	-	-	0.5	-	-	-	-	3.9	6.9
532	ULCER OF THE DUODENUM	0.5	-	-	-	0.2	-	-	-	0.8	0.9	3.4	8.0
	MALE	0.4	-	-	-	-	-	-	-	1.6	0.9	-	10.1
	FEMALE	0.6	-	-	-	0.5	-	-	-	-	0.8	5.9	6.9

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Rates per 100,000 population.

NOTE: ICD is the acronym for the "International Classification of Diseases," a nosological manual published by the World Health Organization.

TABLE 6-7.
DEATH RATES FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
533	PEPTIC ULCER	0.6	-	-	-	-	-	-	-	-	0.4	6.8	11.6
	MALE	0.5	-	-	-	-	-	-	-	-	-	10.8	10.1
	FEMALE	0.7	-	-	-	-	-	-	-	-	0.8	3.9	12.4
550-553, 560	HERNIA & INTESTINAL OBSTRUCTION	2.6	-	-	0.4	-	0.2	0.2	0.9	1.2	4.7	11.3	45.4
	MALE	2.4	-	-	0.4	-	-	0.4	0.9	0.8	4.7	10.8	60.7
	FEMALE	2.8	-	-	0.5	-	0.5	-	0.9	1.5	4.7	11.8	37.2
571	CIRRHOSIS OF THE LIVER	10.3	-	-	-	-	0.9	10.5	16.0	31.8	29.1	31.8	22.3
	MALE	12.6	-	-	-	-	1.8	12.7	21.7	40.2	40.5	29.6	30.3
	FEMALE	8.1	-	-	-	-	-	8.3	10.4	24.0	19.6	33.3	17.9
571.0-.3	ALCOHOLIC CIRRHOSIS OF THE LIVER	8.7	-	-	-	-	0.9	10.3	15.3	28.7	22.3	17.0	12.5
	MALE	11.7	-	-	-	-	1.8	12.7	20.3	39.3	35.8	18.8	25.3
	FEMALE	5.8	-	-	-	-	-	7.9	10.4	18.6	11.0	15.7	5.5
574-576	DISEASES OF THE GALLBLADDER	1.8	-	0.5	-	-	-	0.2	0.5	0.4	3.9	11.3	29.4
	MALE	1.8	-	1.0	-	-	-	0.4	0.9	0.8	5.7	8.1	35.4
	FEMALE	1.8	-	-	-	-	-	-	-	-	2.4	13.7	26.1
577	DISEASES OF THE PANCREAS	1.0	-	-	-	-	-	1.0	0.5	2.0	3.0	3.4	8.0
	MALE	1.1	-	-	-	-	-	1.5	-	4.1	3.8	2.7	10.1
	FEMALE	0.8	-	-	-	-	-	0.4	0.9	-	2.4	3.9	6.9
RESIDUAL OF 520-579	OTHER DISEASES OF THE DIGESTIVE SYSTEM	14.6	2.3	0.5	0.7	0.7	0.2	1.5	4.7	9.6	37.2	86.2	214.8
	MALE	12.1	4.5	1.0	-	0.9	0.5	1.9	4.7	11.5	45.2	78.1	199.7
	FEMALE	17.0	-	-	1.4	0.5	-	1.1	4.7	7.7	30.6	92.1	222.9
X.	DISEASES OF THE GENITOURINARY SYSTEM	11.3	-	-	-	0.2	0.2	1.3	1.9	6.4	18.8	66.9	199.6
	MALE	9.5	-	-	-	0.5	-	1.5	2.8	4.9	17.0	64.6	227.6
	FEMALE	13.1	-	-	-	-	0.5	1.1	0.9	7.7	20.4	68.6	184.4
580-589	NEPHRITIS & NEPHROSIS	4.8	-	-	-	-	0.2	0.6	1.4	3.2	10.3	34.0	72.2
	MALE	4.0	-	-	-	-	-	0.8	2.4	2.5	10.4	32.3	75.9
	FEMALE	5.6	-	-	-	-	0.5	0.4	0.5	3.9	10.2	35.3	70.2
590	INFECTIONS OF THE KIDNEY	0.4	-	-	-	0.2	-	-	0.2	0.4	0.4	3.4	6.2
	MALE	0.2	-	-	-	0.5	-	-	-	-	-	-	5.1
	FEMALE	0.7	-	-	-	-	-	-	0.5	0.8	0.8	5.9	6.9
599.0	URINARY TRACT INFECTION	4.4	-	-	-	-	-	0.4	0.2	1.6	5.6	19.3	92.7
	MALE	3.1	-	-	-	-	-	0.4	0.5	1.6	2.8	18.8	86.0
	FEMALE	5.8	-	-	-	-	-	0.4	-	1.5	7.8	19.6	96.3

WARNING: Rates based on less than 5 events are unreliable.

- Quantity is zero.

Rates per 100,000 population.

NOTE: ICD is the acronym for the "International Classification of Diseases," a nosological manual published by the World Health Organization.

**TABLE 6-7.
DEATH RATES FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)**

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
600-608	DISEASES OF MALE GENITAL ORGANS	0.6	-	-	-	-	-	-	-	-	0.4	3.4	12.5
	MALE	1.1	-	-	-	-	-	-	-	-	0.9	8.1	35.4
	FEMALE	0.0	-	-	-	-	-	-	-	-	-	-	-
614-629	DISEASES OF THE UTERUS & OTHER FEMALE GENITAL ORGANS	0.1	-	-	-	-	-	0.2	-	0.4	0.4	1.1	-
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	0.2	-	-	-	-	-	0.4	-	0.8	0.8	2.0	-
RESIDUAL OF 580-629	OTHER DISEASES OF THE GENITOURINARY SYSTEM	0.9	-	-	-	-	-	0.2	-	0.8	1.7	5.7	16.0
	MALE	1.1	-	-	-	-	-	0.4	-	0.8	2.8	5.4	25.3
	FEMALE	0.8	-	-	-	-	-	-	-	0.8	0.8	5.9	11.0
XI.	COMPLICATIONS OF PREGNANCY, CHILD BIRTH, & THE PUERPERIUM	0.1	-	-	-	-	-	0.4	-	-	-	-	-
630-676		-	-	-	-	-	-	-	-	-	-	-	-
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	0.1	-	-	-	-	-	0.8	-	-	-	-	-
XII.	DISEASES OF THE SKIN & SUBCUTANEOUS TISSUE	1.1	-	-	-	-	-	-	0.2	1.2	4.3	4.5	15.1
680-709		1.1	-	-	-	-	-	-	0.5	0.8	5.7	5.4	17.7
	MALE	1.1	-	-	-	-	-	-	-	1.5	3.1	3.9	13.8
	FEMALE	1.1	-	-	-	-	-	-	-	-	-	-	-
XIII.	MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DISEASES	5.2	-	-	0.4	0.2	0.5	-	3.3	2.0	12.0	27.2	78.4
710-739		2.6	-	-	-	0.5	-	-	1.9	0.8	8.5	24.2	43.0
	MALE	7.6	-	-	0.9	-	0.9	-	4.7	3.1	14.9	29.4	97.7
	FEMALE	7.6	-	-	0.9	-	0.9	-	4.7	3.1	14.9	29.4	97.7
XIV.	CONGENITAL ANOMALIES	4.5	119.1	4.7	0.9	1.6	3.0	1.7	0.5	2.8	4.3	6.8	21.4
	MALE	4.3	107.8	5.1	1.3	2.3	3.7	1.9	-	2.5	1.9	10.8	22.8
	FEMALE	4.6	130.9	4.3	0.5	1.0	2.3	1.5	0.9	3.1	6.3	3.9	20.6
745-746	CONGENITAL ANOMALIES OF THE HEART	1.5	41.2	2.6	-	0.9	2.1	0.4	0.2	0.8	0.9	-	4.5
	MALE	1.5	40.4	4.1	-	1.4	2.8	0.4	-	0.8	-	-	-
	FEMALE	1.5	42.1	1.1	-	0.5	1.4	0.4	0.5	0.8	1.6	-	6.9
RESIDUAL OF 740-759	OTHER CONGENITAL ANOMALIES	3.0	77.9	2.1	0.9	0.7	0.9	1.3	0.2	2.0	3.4	6.8	16.9
	MALE	2.8	67.4	1.0	1.3	0.9	0.9	1.5	-	1.6	1.9	10.8	22.8
	FEMALE	3.2	88.8	3.3	0.5	0.5	0.9	1.1	0.5	2.3	4.7	3.9	13.8

WARNING: Rates based on less than 5 events are unreliable.

- Quantity is zero.

Rates per 100,000 population.

NOTE: ICD is the acronym for the "International Classification of Diseases," a nosological manual published by the World Health Organization.

**TABLE 6-7.
DEATH RATES FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)**

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
760-779	XV. PERINATAL CONDITIONS	3.0	206.2	2.1	0.2	-	-	-	-	-	-	-	-
	MALE	3.6	247.1	2.0	-	-	-	-	-	-	-	-	-
	FEMALE	2.4	163.6	2.2	0.5	-	-	-	-	-	-	-	-
	XVI. SYMPTOMS & ILL-DEFINED CONDITIONS	17.4	110.0	1.1	0.4	0.9	0.5	1.9	7.3	20.7	37.2	72.6	222.8
	MALE	17.6	107.8	1.0	0.9	0.5	0.5	3.5	12.3	29.5	55.6	78.1	222.5
	FEMALE	17.1	112.2	1.1	-	1.4	0.5	0.4	2.4	12.4	22.0	68.6	222.9
797	SENILITY	1.0	-	-	-	-	-	-	-	-	0.4	-	28.5
	MALE	0.5	-	-	-	-	-	-	-	-	-	-	20.2
	FEMALE	1.5	-	-	-	-	-	-	-	-	0.8	-	33.0
798.0	SUDDEN INFANT DEATH SYNDROME	1.5	107.7	-	-	-	-	-	-	-	-	-	-
	MALE	1.5	103.4	-	-	-	-	-	-	-	-	-	-
	FEMALE	1.5	112.2	-	-	-	-	-	-	-	-	-	-
RESIDUAL OF 780-799	OTHER SYMPTOMS & ILL-DEFINED CONDITIONS	14.8	2.3	1.1	0.4	0.9	0.5	1.9	7.3	20.7	36.8	72.6	194.3
	MALE	15.6	4.5	1.0	0.9	0.5	0.5	3.5	12.3	29.5	55.6	78.1	202.3
	FEMALE	14.1	-	1.1	-	1.4	0.5	0.4	2.4	12.4	21.2	68.6	189.9
	XVII. ACCIDENTS, POISONING, & VIOLENCE	64.5	57.3	19.5	15.1	70.0	75.4	72.3	57.8	59.3	66.4	89.6	256.6
	MALE	91.6	80.9	23.6	15.6	108.6	114.6	110.2	82.7	84.4	102.7	131.9	366.6
	FEMALE	38.3	32.7	15.2	14.6	29.5	35.2	35.1	32.9	35.6	36.1	58.8	196.8
800-949	ACCIDENTS	40.7	18.3	14.7	11.1	44.8	43.2	40.7	34.2	33.0	42.0	62.4	209.4
	MALE	54.1	27.0	16.4	10.4	66.1	65.1	62.2	50.1	41.8	58.4	86.2	255.4
	FEMALE	27.7	9.3	13.0	11.8	22.4	20.7	19.6	18.4	24.8	28.3	45.1	184.4
810-825	MOTOR VEHICLE ACCIDENTS	16.7	9.2	4.7	5.8	32.2	22.3	15.0	13.7	10.7	18.4	20.4	28.5
	MALE	22.1	13.5	3.1	6.1	44.3	31.2	19.6	18.9	10.7	24.5	26.9	53.1
	FEMALE	11.4	4.7	6.5	5.5	19.5	13.2	10.6	8.5	10.8	13.3	15.7	15.1
830-838	WATER TRANSPORT ACCIDENTS	0.4	-	0.5	0.2	0.2	-	0.8	0.9	0.4	-	-	-
	MALE	0.7	-	1.0	-	0.5	-	1.5	1.9	0.8	-	-	-
	FEMALE	0.1	-	-	0.5	-	-	-	-	-	-	-	-
840-845	AIR TRANSPORT ACCIDENTS	0.8	-	-	-	0.2	1.9	1.0	2.1	0.4	-	-	-
	MALE	1.4	-	-	-	0.5	3.7	1.9	3.3	0.8	-	-	-
	FEMALE	0.1	-	-	-	-	-	-	0.9	-	-	-	-
850-869	POISONING ACCIDENTS	5.7	-	-	0.2	2.3	10.2	15.6	7.8	2.4	0.4	1.1	1.8
	MALE	8.9	-	-	0.4	3.6	14.7	26.5	11.8	4.1	-	-	-
	FEMALE	2.5	-	-	-	1.0	5.6	4.9	3.8	0.8	0.8	2.0	2.8

WARNING: Rates based on less than 5 events are unreliable.

- Quantity is zero.

Rates per 100,000 population.

NOTE: ICD is the acronym for the "International Classification of Diseases," a nosological manual published by the World Health Organization.

**TABLE 6-7.
DEATH RATES FROM SELECTED CAUSES BY AGE AND SEX, OREGON RESIDENTS, 1996 (CONTINUED)**

ICD 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-79	80+
880-888	ACCIDENTAL FALLS	8.2	-	-	0.2	0.9	1.4	1.5	2.8	6.8	7.3	26.1	153.3
	MALE	7.9	-	-	0.4	1.4	2.8	1.9	4.3	9.0	9.4	32.3	169.4
	FEMALE	8.4	-	-	-	0.5	-	1.1	1.4	4.6	5.5	21.6	144.5
890-899	FIRE & FLAME ACCIDENTS	1.3	-	3.7	1.1	1.9	-	1.0	1.2	2.0	2.1	-	0.9
	MALE	1.5	-	4.1	1.3	2.7	-	1.5	0.9	0.8	1.9	-	2.5
	FEMALE	1.1	-	3.3	0.9	1.0	-	0.4	1.4	3.1	2.4	-	-
910	DROWNING & SUBMERSION	1.5	-	2.6	2.4	2.8	1.2	1.1	0.9	1.2	0.4	-	-
	MALE	2.3	-	5.1	1.7	5.4	2.3	1.9	1.9	0.8	-	-	-
	FEMALE	0.7	-	-	3.2	-	-	0.4	-	1.5	0.8	-	-
950-959	SUICIDES	16.8	-	-	2.2	16.0	20.2	22.6	18.4	20.3	22.7	25.0	39.2
	MALE	27.8	-	-	3.9	27.6	33.5	34.9	26.5	35.2	41.4	45.8	103.7
	FEMALE	6.1	-	-	0.5	3.8	6.6	10.6	10.4	6.2	7.1	9.8	4.1
960-978	HOMICIDES	4.8	13.7	4.7	1.6	7.9	9.3	4.4	2.8	4.4	0.4	1.1	7.1
	MALE	6.4	22.5	7.2	0.9	12.2	12.4	6.9	2.4	6.6	-	-	5.1
	FEMALE	3.2	4.7	2.2	2.3	3.3	6.1	1.9	3.3	2.3	0.8	2.0	8.3
980-989	INJURY UNDETERMINED WHETHER ACCIDENTIALLY OR PURPOSELY INFLECTED	2.3	25.2	-	0.2	1.4	2.8	4.6	2.4	1.6	1.3	1.1	0.9
	MALE	3.3	31.5	-	0.4	2.7	3.7	6.1	3.8	0.8	2.8	-	2.5
	FEMALE	1.4	18.7	-	-	-	1.9	3.0	0.9	2.3	-	2.0	-
990-999	INJURY RESULTING FROM OPERATIONS OF WAR	-	-	-	-	-	-	-	-	-	-	-	-
	MALE	-	-	-	-	-	-	-	-	-	-	-	-
	FEMALE	-	-	-	-	-	-	-	-	-	-	-	-

WARNING: Rates based on less than 5 events are unreliable.

- Quantity is zero.

Rates per 100,000 population.

* ICD-9 is an acronym for "International Classification of Disease, 9th Revision" as established by the World Health Organization and published in the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, 9th Revision, World Health Organization, 1977, Geneva Switzerland.

**TABLE 6-8.
NUMBER OF DEATHS BY CAUSE AND MONTH OF DEATH, OREGON RESIDENTS, 1996**

CAUSE OF DEATH	TOTAL	MONTH OF DEATH											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TOTAL	28,900	2,740	2,328	2,445	2,369	2,357	2,325	2,348	2,293	2,226	2,324	2,408	2,737
DISEASES OF THE HEART	7,676	726	624	702	649	639	610	615	619	522	589	636	745
MALIGNANT NEOPLASMS	6,784	580	542	578	567	553	586	570	555	573	549	563	568
CEREBROVASCULAR DISEASE	2,632	241	228	212	215	219	219	190	195	213	222	222	256
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1,676	176	134	146	140	155	116	150	109	109	122	148	171
UNINTENTIONAL INJURIES	1,295	112	100	99	96	91	103	118	116	116	105	130	109
PNEUMONIA AND INFLUENZA	946	139	71	77	57	58	69	63	60	63	72	69	148
ALZHEIMER'S DISEASE	740	80	62	70	59	46	49	50	64	53	65	60	82
DIABETES MELLITUS	739	73	54	53	66	61	52	53	59	70	68	51	79
SUICIDE	533	52	34	37	41	38	49	42	44	44	46	60	46
ALCOHOLISM AND ALLIED CONDITIONS	409	39	39	28	41	34	30	27	32	32	33	35	39
OTHER DISEASES OF THE ARTERIES	372	28	31	36	30	27	27	30	29	35	36	34	29
ARTERIOSCLEROSIS	256	27	22	24	23	19	18	22	16	18	27	21	19
PARKINSON'S DISEASE	236	20	18	21	20	17	21	21	17	22	24	14	21
AIDS	223	26	20	30	19	22	24	16	18	22	10	11	5
HYPERTENSION WITH OR W/O RENAL DISEASE	194	16	17	14	17	19	16	19	14	14	14	11	23
NEPHRITIS AND NEPHROSIS	153	9	8	11	14	12	15	14	16	8	14	14	18
HOMICIDE AND LEGAL INTERVENTION	152	14	11	10	13	21	20	10	14	13	15	5	6
CONGENITAL ANOMALIES	143	17	11	9	8	11	16	13	7	18	11	9	13
SEPTICEMIA	106	8	9	8	15	8	4	13	8	4	5	12	12
PERINATAL CONDITIONS	95	8	16	5	8	11	2	8	6	10	3	7	11
ALL OTHER CAUSES	3,457	341	270	266	260	291	274	300	285	261	287	290	332

TABLE 6-9.
DEATHS BY AGE, RACE, AND ETHNICITY, OREGON RESIDENTS, 1996

RACE AND ETHNICITY	TOTAL	AGE AT DEATH								
		< 1	1-4	5-14	15-19	20-24	25-29	30-34	35-39	40-44
TOTAL	28,900	244	69	109	165	214	229	336	470	588
HISPANIC	374	42	5	12	18	23	25	16	26	16
NON-HISPANIC ¹	28,526	202	64	97	147	191	204	320	444	572
WHITE	28,010	216	64	100	154	190	211	304	433	547
HISPANIC	358	39	5	11	18	22	23	16	25	16
NON-HISPANIC ¹	27,652	177	59	89	136	168	188	288	408	531
AFRICAN AMERICAN	364	14	2	3	4	12	8	12	21	17
HISPANIC	1	-	-	-	-	-	-	-	-	-
NON-HISPANIC ¹	363	14	2	3	4	12	8	12	21	17
INDIAN	235	5	1	4	3	7	7	10	10	18
HISPANIC	12	3	-	1	-	1	2	-	1	-
NON-HISPANIC ¹	223	2	1	3	3	6	5	10	9	18
CHINESE	61	-	-	-	1	1	-	2	-	-
NON-HISPANIC ¹	61	-	-	-	1	1	-	2	-	-
JAPANESE	60	-	-	-	-	1	-	-	-	1
NON-HISPANIC ¹	60	-	-	-	-	1	-	-	-	1
OTHER ASIAN & PAC. IS.	119	9	2	2	3	2	3	6	4	3
HISPANIC	1	-	-	-	-	-	-	-	-	-
NON-HISPANIC ¹	118	9	2	2	3	2	3	6	4	3
OTHER & UNKNOWN²	51	-	-	-	-	1	-	2	2	2
HISPANIC	2	-	-	-	-	-	-	-	-	-
NON-HISPANIC ¹	49	-	-	-	-	1	-	2	2	2

RACE AND ETHNICITY	AGE AT DEATH									
	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90+
TOTAL	747	803	1,162	1,444	2,279	3,326	4,096	4,682	4,110	3,827
HISPANIC	14	5	16	29	26	26	29	21	17	8
NON-HISPANIC ¹	733	798	1,146	1,415	2,253	3,300	4,067	4,661	4,093	3,819
WHITE	694	751	1,115	1,386	2,196	3,228	4,002	4,601	4,048	3,770
HISPANIC	13	4	16	29	26	24	29	19	17	6
NON-HISPANIC ¹	681	747	1,099	1,357	2,170	3,204	3,973	4,582	4,031	3,764
AFRICAN AMERICAN	23	16	23	23	28	51	33	27	22	25
HISPANIC	-	-	-	-	-	-	-	-	-	1
NON-HISPANIC ¹	23	16	23	23	28	51	33	27	22	24
INDIAN	15	13	10	19	25	21	25	16	13	13
HISPANIC	1	1	-	-	-	1	-	-	-	1
NON-HISPANIC ¹	14	12	10	19	25	20	25	16	13	12
CHINESE	2	1	4	3	6	4	14	10	11	2
NON-HISPANIC ¹	2	1	4	3	6	4	14	10	11	2
JAPANESE	3	3	2	2	10	9	7	10	4	8
NON-HISPANIC ¹	3	3	2	2	10	9	7	10	4	8
OTHER ASIAN & PAC. IS.	6	12	6	8	10	10	8	13	6	6
HISPANIC	-	-	-	-	-	-	-	1	-	-
NON-HISPANIC ¹	6	12	6	8	10	10	8	12	6	6
OTHER & UNKNOWN²	4	7	2	3	4	3	7	5	6	3
HISPANIC	-	-	-	-	-	1	-	1	-	-
NON-HISPANIC ¹	4	7	2	3	4	2	7	4	6	3

¹ NOTE: Includes a small number with unknown ethnicity.

² "OTHER AND UNKNOWN" Includes groups where fewer than 50 deaths were recorded (e.g., Hawaiian, Filipino).

TABLE 6-10. DEATHS BY SELECTED CAUSES BY RACE/ETHNICITY, OREGON RESIDENTS, 1996

SELECTED CAUSES OF DEATH	RACE							HISPANIC ²
	TOTAL	WHITE	AFRICAN AMERICAN	INDIAN	CHINESE & JAPANESE	OTHER ASIAN & PAC. ISL.	OTHER & N.S. ¹	
TOTAL	28,900	28,010	364	235	121	119	51	374
TUBERCULOSIS (010-018, 137)	14	12	1	1	-	-	-	1
SEPTICEMIA (038)	106	99	4	2	1	-	-	3
AIDS (042-044)	223	207	13	2	-	-	1	12
VIRAL HEPATITIS (070)	50	47	-	1	1	1	-	3
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	80	76	2	1	-	-	1	5
MALIGNANT NEOPLASMS (140-208)	6,784	6,589	75	42	31	33	14	62
BUCCAL CAVITY & PHARYNX (140-149)	86	83	-	1	-	1	1	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	1,499	1,444	15	9	8	17	6	16
LARGE INTESTINE (153)	556	537	6	4	4	2	3	5
PANCREAS (157)	354	348	4	-	-	2	-	5
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	2,070	2,010	27	17	8	4	4	12
BRONCHUS AND LUNG (162.2-162.9)	2,000	1,945	26	14	8	4	3	10
MALIGNANT MELANOMA (172)	103	102	-	-	-	1	-	1
OTHER SKIN (173)	31	31	-	-	-	-	-	-
BREAST (174-175)	518	505	3	4	5	-	1	6
GENITAL ORGANS (179-187)	818	793	15	3	4	2	1	7
CERVIX & UTERUS (179-182)	127	120	3	1	1	2	-	2
OVARY (183.0)	160	156	1	-	2	-	1	-
PROSTATE (185)	505	491	11	2	1	-	-	5
URINARY ORGANS (188-189)	300	295	2	1	2	-	-	1
LEUKEMIA (204-208)	281	274	4	1	2	-	-	7
BENIGN NEOPLASMS (210-229)	22	21	-	-	1	-	-	-
IN SITU, UNCERT. BEHAV. & UNSPEC. NATURE NEOPLASMS (230-239)	59	58	-	-	-	1	-	-
DIABETES MELLITUS (250)	739	701	12	14	7	3	2	13
NUTRITIONAL DEFICIENCIES (260-269)	32	32	-	-	-	-	-	1
ANEMIAS (280-285)	52	49	1	-	-	1	1	-
ALZHEIMER'S DEMENTIA (290.1)	311	310	1	-	-	-	-	1
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	119	109	4	3	1	-	2	-
DRUG DEPENDENCE (304)	26	24	2	-	-	-	-	1
MENINGITIS (320-322)	5	5	-	-	-	-	-	1
ALZHEIMER'S DISEASE (331.0)	429	424	3	-	-	1	1	3
PARKINSON'S DISEASE (332)	236	233	-	1	1	-	1	-
EPILEPSY (345)	12	12	-	-	-	-	-	1
MAJOR CARDIOVASCULAR DISEASES (390-448)	11,142	10,861	120	62	50	31	18	75
DISEASES OF THE HEART (390-398, 402, 404-429)	7,688	7,516	78	44	30	8	12	49
RHEUMATIC FEVER & CHRONIC RHEUM. HEART DIS. (390-398)	88	84	-	1	1	1	1	1
HYPERTENSIVE HEART DISEASE W/WO RENAL DIS. (402, 404)	245	232	7	2	3	-	1	1
ISCHEMIC HEART DISEASE (410-414)	5,201	5,092	50	33	17	4	5	32
MYOCARDIAL INFARCTION (410)	2,067	2,024	18	12	10	1	2	13
OTHER ACUTE & SUBACUTE (411)	11	10	1	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	3,123	3,058	31	21	7	3	3	19
ALL OTHER FORMS (415-429)	2,154	2,108	21	8	9	3	5	15
HYPERTENSION (401, 403)	194	181	9	2	2	-	-	-
CEREBROVASCULAR DISEASE (430-438)	2,632	2,546	31	14	16	21	4	22
SUBARACHNOID HEMORRHAGE (430)	102	98	2	1	-	-	1	5
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	325	299	8	3	6	7	2	4
CEREBRAL THROMBOSIS & EMBOLISM (434)	312	306	2	1	1	2	-	1
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	1,506	1,467	16	7	6	10	-	8
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	185	179	1	1	2	1	1	3
ARTERIOSCLEROSIS (440)	256	252	-	2	-	2	-	-
OTHER DIS. OF ARTERIES, ARTERIOLES & CAPILLARIES (441-448)	372	366	2	-	2	-	2	4
VENOUS THROMBOSIS & EMBOLISM (451-453)	13	12	1	-	-	-	-	-
PNEUMONIA (480-486)	936	918	5	5	2	3	3	4
INFLUENZA (487)	10	10	-	-	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	1,676	1,654	11	7	2	2	-	6
GASTRIC, DUODENAL, AND PEPTIC ULCER (531-533)	49	47	1	-	1	-	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	83	83	-	-	-	-	-	-
CIRRHOSIS OF THE LIVER (571)	328	307	7	14	-	-	-	5
ALCOHOLIC CIRRHOSIS (571.0-571.3)	276	256	7	13	-	-	-	5
DISEASES OF THE GALLBLADDER (574-576)	57	56	-	-	-	1	-	-
NEPHRITIS & NEPHROSIS (580-589)	153	150	1	-	1	1	-	1
INFECTIONS OF THE KIDNEY (590)	14	12	1	1	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	18	18	-	-	-	-	-	-
DISEASES OF FEMALE GENITAL ORGANS (614-629)	4	4	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, ETC. (630-676)	2	1	-	-	-	1	-	-
CONGENITAL ANOMALIES (740-759)	143	134	4	-	-	5	-	12
CERTAIN CAUSES IN EARLY INFANCY (760-779)	95	81	6	2	-	6	-	19
SUDDEN INFANT DEATH SYNDROME (798.0)	47	40	4	3	-	-	-	8
UNINTENTIONAL INJURIES (800-949)	1,295	1,222	26	31	9	7	-	62
MOTOR VEHICLE-RELATED (810-825)	530	498	11	10	6	5	-	43
SUICIDES (950-959)	533	515	7	6	1	3	1	19
HOMICIDES (960-978)	152	127	13	4	-	7	1	26
INJURIES OF UNDETERMINED MANNER (980-989)	73	60	8	5	-	-	-	5

¹ Other and N.S. includes groups in which the total is less than 50 (e.g., Hawaiian, Filipino).

² Hispanic decedents may belong to any race: 333 are white.

TABLE 6-11.
YEARS OF POTENTIAL LIFE LOST BEFORE AGE 65 BY YEAR AND CAUSE,
OREGON RESIDENTS, 1980-1996

YEAR	TOTAL	UNINTENTIONAL INJURY	CANCER	HEART DISEASE ¹	SUICIDE	CONGENITAL ANOMALIES	PERINATAL CONDITIONS	ACQUIRED IMMUNE DEFICIENCY SYNDROME	SUDDEN INFANT DEATH SYNDROME
1980	137,742	35,305	19,826	14,483	9,356	9,150	14,141	-	8,516
1981	130,383	34,094	19,652	13,756	9,011	8,214	13,899	-	7,549
1982	121,099	28,983	18,775	13,531	8,380	9,170	10,833	-	6,645
1983	119,079	30,533	18,602	13,493	8,720	7,997	9,609	63	6,258
1984	121,250	30,969	20,273	12,980	8,497	7,753	8,787	118	7,032
1985	118,035	30,221	18,735	12,424	8,792	8,019	8,763	271	6,907
1986	119,185	29,922	17,928	12,263	9,447	6,897	7,710	825	7,805
1987	120,949	30,110	18,723	12,650	8,203	7,257	10,387	2,135	7,420
1988	119,533	29,720	18,838	12,176	9,745	6,402	8,309	3,076	6,387
1989	116,878	26,633	17,924	11,453	9,714	6,149	10,989	3,304	5,999
1990	117,310	26,397	19,097	10,180	9,609	6,602	7,586	4,778	7,098
1991	113,112	23,842	19,215	10,901	9,801	6,710	6,291	5,796	5,484
1992	114,350	21,758	18,655	10,651	10,492	6,220	7,069	6,479	5,423
1993	123,280	25,797	19,747	12,071	9,772	7,125	5,391	7,884	5,873
1994	126,313	25,604	21,242	11,189	11,467	5,848	6,809	8,419	4,064
1995	128,177	28,912	20,505	12,126	12,029	5,394	4,932	8,214	4,906
1996	126,458	28,627	21,610	12,681	11,304	5,238	6,155	5,559	3,033

YEAR	HOMICIDE ²	ALCOHOLISM	CEREBROVASCULAR DISEASE	DIABETES	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	UNDETERMINED EXTERNAL CAUSE	PNEUMONIA AND INFLUENZA	OTHER DISEASES OF THE ARTERIES	HERNIA AND INTESTINAL OBSTRUCTION
1980	4,748	2,728	2,284	1,260	1,364	1,567	776	527	74
1981	3,809	3,115	1,991	918	1,277	1,964	790	207	210
1982	4,455	1,913	1,909	1,006	1,308	1,614	977	284	126
1983	3,675	2,652	1,971	1,251	1,366	1,553	732	340	20
1984	4,066	2,542	2,098	946	1,208	1,734	1,135	294	174
1985	3,512	2,334	1,960	1,287	1,342	1,672	768	668	241
1986	5,368	2,559	1,540	1,038	1,438	1,925	955	314	179
1987	5,054	2,412	1,794	1,224	1,126	1,783	784	308	265
1988	4,331	2,433	1,783	1,631	1,197	1,176	1,220	461	63
1989	4,198	2,985	1,533	1,171	1,467	1,606	1,070	459	75
1990	3,679	2,647	1,770	1,181	1,341	1,427	1,494	558	155
1991	4,370	2,582	1,801	1,388	1,309	1,112	900	365	233
1992	5,436	2,845	2,087	1,916	1,213	1,706	1,224	522	46
1993	4,669	3,334	2,399	1,594	1,424	1,746	1,469	549	191
1994	5,759	3,491	2,799	1,890	1,309	1,747	1,434	612	26
1995	5,263	3,856	2,052	1,811	1,509	2,021	901	573	335
1996	5,140	4,086	2,277	2,019	1,625	2,265	1,115	549	245

¹ Excludes alcoholic cardiomyopathy.

² Includes legal intervention.

TABLE 6-12. YEARS OF POTENTIAL LIFE LOST BY CAUSE, OREGON RESIDENTS, 1996

SELECTED CAUSES OF DEATH	BEFORE AGE 65			BEFORE AGE 75			BEFORE AGE 85		
	TOTAL	M	F	TOTAL	M	F	TOTAL	M	F
TOTAL	126,458	83,479	42,979	217,978	140,391	77,587	386,441	239,209	147,232
TUBERCULOSIS (010-018, 137)	69	67	2	134	101	33	225	151	74
SEPTICEMIA (038)	501	272	229	803	439	364	1,372	760	612
AIDS (042-044)	5,559	5,222	337	7,781	7,334	447	10,011	9,454	557
VIRAL HEPATITIS (070)	608	421	187	989	675	314	1,458	967	491
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	1,234	577	657	1,646	796	850	2,255	1,106	1,149
MALIGNANT NEOPLASMS (140-208)	21,610	11,017	10,593	50,006	26,395	23,611	99,964	53,720	46,244
BUCCAL CAVITY & PHARYNX (140-149)	326	251	75	739	503	236	1,385	915	470
DIGESTIVE ORGANS & PERITONEUM (150-159)	4,145	2,566	1,579	10,142	6,284	3,858	20,859	12,575	8,284
LARGE INTESTINE (153)	1,322	713	609	3,401	1,933	1,468	7,187	4,031	3,156
PANCREAS (157)	686	350	336	2,048	1,086	962	4,641	2,417	2,224
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	4,670	2,748	1,922	14,307	8,405	5,902	30,960	18,193	12,767
BRONCHUS AND LUNG (162.2-162.9)	4,374	2,509	1,865	13,665	7,910	5,755	29,729	17,277	12,452
MALIGNANT MELANOMA (172)	844	475	369	1,468	884	584	2,339	1,453	886
OTHER SKIN (173)	111	98	13	209	176	33	377	310	67
BREAST (174-175)	2,757	8	2,749	5,335	18	5,317	9,181	28	9,153
GENITAL ORGANS (179-187)	1,724	357	1,367	3,980	1,258	2,722	9,036	4,111	4,925
CERVIX & UTERUS (179-182)	737	-	737	1,373	-	1,373	2,321	-	2,321
OVARY (183.0)	551	-	551	1,179	-	1,179	2,294	-	2,294
PROSTATE (185)	207	207	-	1,048	1,048	-	3,835	3,835	-
URINARY ORGANS (188-189)	679	497	182	1,757	1,308	449	3,859	2,780	1,079
LEUKEMIA (204-208)	1,363	936	427	2,414	1,672	742	4,367	2,958	1,409
BENIGN NEOPLASMS (210-229)	58	26	32	125	67	58	241	138	103
IN SITU, UNCERT. BEHAV. & UNSPEC. NATURE NEOPLASMS (230-239)	257	220	37	445	350	95	792	527	265
DIABETES MELLITUS (250)	2,019	1,324	695	4,560	2,639	1,921	9,291	5,041	4,250
NUTRITIONAL DEFICIENCIES (260-269)	25	10	15	60	24	36	159	71	88
ANEMIAS (280-285)	244	29	215	349	59	290	524	115	409
ALZHEIMER'S DEMENTIA (290.1)	0	0	0	76	38	38	828	380	448
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	926	705	221	1,794	1,388	406	2,861	2,217	644
DRUG DEPENDENCE (304)	702	498	204	962	688	274	1,222	878	344
MENINGITIS (320-322)	185	128	57	233	166	67	283	206	77
ALZHEIMER'S DISEASE (331.0)	54	24	30	254	92	162	1,467	553	914
PARKINSON'S DISEASE (332)	29	26	3	191	150	41	1,142	847	295
EPILEPSY (345)	368	247	121	478	317	161	588	387	201
MAJOR CARDIOVASCULAR DISEASES (390-448)	15,840	11,030	4,810	38,674	26,119	12,555	90,910	57,645	33,265
DISEASES OF THE HEART (390-398, 402, 404-429)	12,764	9,263	3,501	30,414	21,554	8,860	68,257	45,759	22,498
RHEUMATIC FEVER & CHRONIC RHEUM. HEART DIS. (390-398)	190	102	88	349	173	176	764	319	445
HYPERTENSIVE HEART DISEASE W/WO RENAL DIS. (402, 404)	312	166	146	775	418	357	1,669	851	818
ISCHEMIC HEART DISEASE (410-414)	8,339	6,561	1,778	21,533	16,109	5,424	49,413	34,563	14,850
MYOCARDIAL INFARCTION (410)	3,048	2,368	680	8,435	6,202	2,233	20,212	13,856	6,356
OTHER ACUTE & SUBACUTE (411)	25	22	3	55	42	13	100	69	31
CHRONIC ISCHEMIC HEART DISEASE (412-414)	5,266	4,171	1,095	13,043	9,865	3,178	29,101	20,638	8,463
ALL OTHER FORMS (415-429)	3,924	2,435	1,489	7,757	4,854	2,903	16,411	10,026	6,385
HYPERTENSION (401, 403)	182	155	27	501	351	150	1,399	808	591
CEREBROVASCULAR DISEASE (430-438)	2,277	1,214	1,063	5,856	3,010	2,846	16,257	7,947	8,310
SUBARACHNOID HEMORRHAGE (430)	725	304	421	1,328	529	799	2,170	807	1,363
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	836	469	367	1,840	965	875	3,851	1,962	1,889
CEREBRAL THROMBOSIS & EMBOLISM (434)	130	47	83	369	158	211	1,333	600	733
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	338	236	102	1,605	976	629	6,736	3,476	3,260
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	111	93	18	306	170	136	948	454	494
ARTERIOSCLEROSIS (440)	68	68	0	288	210	78	1,039	653	386
OTHER DIS. OF ARTERIES, ARTERIOLES & CAPILLARIES (441-448)	549	330	219	1,615	994	621	3,958	2,478	1,480
VENOUS THROMBOSIS & EMBOLISM (451-453)	90	74	16	156	124	32	243	174	69
PNEUMONIA (480-486)	1,082	749	334	2,241	1,452	789	5,322	3,269	2,053
INFLUENZA (487)	33	33	0	53	53	0	100	82	18
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	1,625	788	837	5,965	2,952	3,013	16,771	8,398	8,373
GASTRIC, DUODENAL, AND PEPTIC ULCER (531-533)	121	38	83	193	82	111	420	189	231
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	245	118	127	395	189	206	726	339	387
CIRRHOSIS OF THE LIVER (571)	2,979	1,926	1,053	5,407	3,470	1,937	8,447	5,338	3,109
ALCOHOLIC CIRRHOSIS (571.0-571.3)	2,862	1,868	994	5,092	3,360	1,732	7,729	5,109	2,620
DISEASES OF THE GALLBLADDER (574-576)	116	116	0	203	193	10	476	355	121
NEPHRITIS & NEPHROSIS (580-589)	244	151	93	513	283	230	1,256	631	625
INFECTIONS OF THE KIDNEY (590)	60	42	18	93	52	41	174	62	112
DISEASES OF MALE GENITAL ORGANS (600-608)	0	0	-	5	5	-	55	55	-
DISEASES OF FEMALE GENITAL ORGANS (614-629)	30	-	30	59	-	59	95	-	95
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, ETC. (630-676)	59	-	59	79	-	79	99	-	99
CONGENITAL ANOMALIES (740-759)	5,238	2,690	2,548	5,887	2,963	2,924	7,092	3,561	3,531
CERTAIN CAUSES IN EARLY INFANCY (760-779)	6,155	3,699	2,456	6,257	3,799	2,458	7,207	4,369	2,838
SUDDEN INFANT DEATH SYNDROME (798.0)	3,033	1,484	1,549	3,336	1,632	1,704	3,806	1,862	1,944
UNINTENTIONAL INJURIES (800-949)	28,627	20,542	8,085	38,168	27,364	10,804	48,852	34,855	13,997
MOTOR VEHICLE-RELATED (810-825)	15,099	10,076	5,024	19,695	13,094	6,601	24,703	16,369	8,334
SUICIDES (950-959)	11,304	9,319	1,985	15,738	12,885	2,853	20,661	16,855	3,806
HOMICIDES (960-978)	5,140	3,639	1,502	6,535	4,600	1,935	7,988	5,592	2,396
INJURIES OF UNDETERMINED MANNER (980-989)	2,265	1,613	652	2,892	2,055	837	3,613	2,558	1,055

NOTE: "0" indicates no deaths occurred before the base age; "-" indicates no deaths of any kind.

TABLE 6-13.
MEDIAN AGE AT DEATH BY YEAR AND CAUSE, OREGON RESIDENTS,
1981-1996

YEAR	ALL CAUSES	HEART DISEASE	CANCER	CEREBROVASCULAR DISEASE	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	UNINTENTIONAL INJURY	PNEUMONIA AND INFLUENZA	ARTERIOSCLEROSIS
1981	73	76	69	81	73	34	84	84
1982	73	77	70	82	73	33	85	84
1983	74	77	70	81	73	35	84	86
1984	74	77	70	81	74	34	84	85
1985	75	78	71	81	74	36	85	86
1986	75	78	71	82	74	38	84	86
1987	75	78	71	82	74	37	84	85
1988	75	78	71	82	75	37	84	86
1989	76	79	72	81	75	41	85	86
1990	76	79	72	82	75	40	85	85
1991	76	79	72	82	75	40	83	86
1992	76	79	72	82	75	45	84	84
1993	77	80	72	82	76	43	85	84
1994	77	80	72	82	76	44	84	86
1995	77	80	73	83	76	42	84	84
1996	77	81	73	83	77	43	84	86

YEAR	ALZHEIMER'S DISEASE AND DEMENTIA	SUICIDE	DIABETES	ALCOHOLISM	HOMICIDE ¹	EXTERNAL CAUSES OF UNDETERMINED MANNER	ACQUIRED IMMUNE DEFICIENCY SYNDROME	PARKINSON'S DISEASE
1981	75	41	74	59	28	31	-	80
1982	79	42	71	62	30	38	-	79
1983	80	43	73	60	32	34	34	79
1984	81	45	75	62	32	33	31	79
1985	82	43	73	62	35	35	34	79
1986	81	42	74	61	33	32	35	81
1987	83	43	72	60	32	30	35	79
1988	83	42	74	62	32	35	35	82
1989	83	42	74	61	35	34	39	81
1990	84	42	74	61	30	37	38	82
1991	84	42	75	61	30	38	38	81
1992	84	42	74	60	32	38	38	82
1993	85	43	75	59	32	33	38	83
1994	85	42	75	58	32	37	38	81
1995	85	41	75	56	32	38	40	82
1996	85	42	75	58	30	37	39	82

¹ Includes legal intervention.

TABLE 6-14.
DEATHS DUE TO EXTERNAL CAUSES AND FATALITIES RESULTING
FROM INJURIES AT WORK, OREGON RESIDENTS, 1996

METHOD OF DEATH	TOTAL	UNINTENDED INJURIES	SUICIDE	HOMICIDE	LEGAL INTERVENTION	UNDETERMINED
TOTAL	2,053	1,295	533	143	9	73
FIREARMS	430	14	330	74	8	4
HANGING AND SUFFOCATION	129	28	83	10	-	8
DROWNING AND BOATING	65	54	6	-	-	5
INGESTION OF SUBSTANCE	297	180	88	-	-	29
CUTTING AND PIERCING	28	2	9	17	-	-
FALLS AND JUMPING	266	260	6	-	-	-
MOTOR VEHICLES	533	531	1	1	-	-
OTHER	305	226	10	41	1	27
ROW PERCENT	100.0	63.1	26.0	7.0	0.4	3.6
FIREARMS	100.0	3.3	76.7	17.2	1.9	0.9
HANGING AND SUFFOCATION	100.0	21.7	64.3	7.8	-	6.2
DROWNING AND BOATING	100.0	83.1	9.2	-	-	7.7
INGESTION OF SUBSTANCE	100.0	60.6	29.6	-	-	9.8
CUTTING AND PIERCING	100.0	7.1	32.1	60.7	-	-
FALLS AND JUMPING	100.0	97.7	2.3	-	-	-
MOTOR VEHICLES	100.0	99.6	0.2	0.2	-	-
OTHER	100.0	74.1	3.3	13.4	0.3	8.8
COLUMN PERCENT	100	100	100	100	100	100
FIREARMS	20.9	1.1	61.9	51.7	88.9	5.5
HANGING AND SUFFOCATION	6.3	2.2	15.6	7.0	-	11.0
DROWNING AND BOATING	3.2	4.2	1.1	-	-	6.8
INGESTION OF SUBSTANCE	14.5	13.9	16.5	-	-	39.7
CUTTING AND PIERCING	1.4	0.2	1.7	11.9	-	-
FALLS AND JUMPING	13.0	20.1	1.1	-	-	-
MOTOR VEHICLES	25.9	41.0	0.2	.7	-	-
OTHER	14.9	17.5	1.9	28.7	11.1	37.0
FATALLY INJURED AT WORK						
YES	88	80	4	4	-	-
NO	1,840	1,113	520	133	9	65
NOT STATED	121	101	7	5	-	8
ROW PERCENT	100.0	63.1	26.0	7.0	0.4	3.6
YES	100.0	90.9	4.5	4.5	-	-
NO	100.0	60.5	28.3	7.2	0.5	3.5
NOT STATED	100.0	83.5	5.8	4.1	-	6.6
COLUMN PERCENT	100.0	100.0	100.0	100.0	100.0	100.0
YES	4.3	6.2	0.8	2.8	-	-
NO	89.6	85.9	97.6	93.0	100.0	89.0
NOT STATED	5.9	7.8	1.3	3.5	-	11.0

NOTE: Injuries due to the late effects of war are not shown but are included in the total.

TABLE 6-15.
UNINTENTIONAL INJURY DEATHS OCCURRING IN OREGON
BY TYPE OF INJURY AND AGE GROUPS, 1996

CLASS AND TYPE OF UNINTENTIONAL INJURY	TOTAL DEATHS	RATE ¹	AGE GROUPS						
			<1	1-4	5-14	15-24	25-44	45-64	65+
TOTAL	1,331	41.8	8	27	47	199	421	242	387
WORK ACCIDENTS	35	1.1	-	-	-	6	16	12	1
LOGGING	7	0.2	-	-	-	2	2	3	-
AGRICULTURE	6	0.2	-	-	-	1	3	1	1
MINING	3	0.1	-	-	-	-	1	2	-
CONSTRUCTION	6	0.2	-	-	-	1	4	1	-
MANUFACTURING	4	0.1	-	-	-	-	3	1	-
TRANSPORTATION	2	0.1	-	-	-	-	-	2	-
SERVICE	7	0.2	-	-	-	2	3	2	-
GOVERNMENT	-	-	-	-	-	-	-	-	-
OTHER AND UNSPECIFIED	-	-	-	-	-	-	-	-	-
HOME ACCIDENTS	329	10.3	4	14	10	21	86	57	137
POISONING, SOLIDS, AND LIQUIDS	92	2.9	-	-	1	2	65	22	2
POISONING, GAS	4	0.1	-	-	-	1	1	2	-
FALLS	132	4.1	-	-	-	1	5	14	112
FIRES	37	1.2	-	6	5	7	4	10	5
DROWNING	10	0.3	-	3	2	1	2	2	-
SUFFOCATION, INGESTION	7	0.2	-	3	-	-	-	1	3
SUFFOCATION, MECHANICAL	10	0.3	4	2	-	1	2	-	1
FIREARMS	12	0.4	-	-	2	8	2	-	-
OTHER AND UNSPECIFIED	25	0.8	-	-	-	-	5	6	14
MOTOR VEHICLE	550	17.3	4	10	22	140	188	91	95
INJURY TO PEDESTRIAN	66	2.1	1	3	4	12	17	13	16
INJURY TO PEDAL CYCLIST	9	0.3	-	-	2	3	3	1	-
INJURY TO ANIMAL RIDER	-	-	-	-	-	-	-	-	-
COLLISION WITH TRAIN	-	-	-	-	-	-	-	-	-
COLLISION WITH OTHER MOTOR VEH.	214	6.7	2	4	7	43	77	37	44
COLLISION WITH FIXED OBJECT	73	2.3	-	-	3	24	27	10	9
NON-COLLISION (LOSS OF CONTROL)	176	5.5	1	3	6	56	62	26	22
OTHER AND UNSPECIFIED	12	0.4	-	-	-	2	2	4	4
PUBLIC ACCIDENT	340	10.7	-	3	13	29	110	71	114
RAILWAY TRANSPORTATION	7	0.2	-	-	-	1	4	2	-
OTHER TRANSPORTATION	4	0.1	-	-	1	-	1	1	1
WATER TRANSPORTATION	14	0.4	-	1	1	-	4	8	-
AIR TRANSPORTATION	18	0.6	-	-	-	-	8	10	-
FALLS	98	3.1	-	-	1	6	6	10	75
FIRES	2	0.1	-	-	-	-	1	-	1
DROWNING	40	1.3	-	1	10	13	10	5	1
FIREARMS	2	0.1	-	-	-	-	2	-	-
OTHER AND UNSPECIFIED	155	4.9	-	1	-	9	74	35	36
UNCLASSIFIED	77	2.4	-	-	2	3	21	11	40

- Quantity is zero.

¹ Rates per 100,000.

NOTE: The classes listed above follow the National Safety Council classification system. Deaths from injuries that occurred at work and that involved transport vehicles (e.g., cars and airplanes) are included in the appropriate transportation category, not the occupational category. See table 6-14 for a tally of all deaths resulting from injuries received at work.

TABLE 6-16.
UNINTENTIONAL INJURY DEATHS BY TYPE OR SOURCE OF INJURY,
AGE GROUPS, AND SEX, OREGON RESIDENTS, 1996

TYPE OR SOURCE OF UNINTENTIONAL INJURY	TOTAL DEATHS	AGE AND SEX GROUPS															
		< 1		1-4		5-14		15-24		25-34		35-44		45-54		55-64	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
TOTAL	1,295	6	2	16	12	24	26	146	47	142	44	162	52	106	39	51	32
TRANSPORTATION	577	3	1	4	6	14	14	100	42	80	28	60	28	53	21	15	14
MOTOR VEHICLE	531	3	1	3	6	14	12	98	41	68	28	51	28	40	18	13	14
AUTO OR TRUCK	414	2	1	1	5	9	10	78	41	51	24	34	26	26	15	10	12
MOTORCYCLE	27	-	-	-	-	-	-	4	-	8	1	5	1	6	1	-	-
PEDAL CYCLIST	8	-	-	-	-	2	-	3	-	1	-	1	-	1	-	-	-
PEDESTRIAN	53	-	-	-	-	2	2	9	-	5	2	10	-	4	1	3	1
OTHER	20	-	-	-	-	1	-	3	-	3	1	-	1	2	1	-	1
WATERCRAFT	12	-	-	1	-	-	1	1	-	-	-	4	-	4	-	1	-
AIRCRAFT	24	-	-	-	-	-	-	1	-	8	-	5	-	7	2	1	-
RAILWAY	6	-	-	-	-	-	-	1	3	-	-	-	-	2	-	-	-
OTHER ROAD VEHICLE	4	-	-	-	-	-	1	-	1	-	-	-	-	-	1	-	-
POISONING	180	-	-	-	-	1	-	8	2	32	12	69	13	25	8	5	1
GAS	5	-	-	-	-	-	-	1	-	-	-	2	-	1	-	1	-
DRUGS AND MEDICINES	169	-	-	-	-	-	-	6	1	32	11	66	13	24	8	4	1
OTHER SOLIDS AND LIQUIDS	6	-	-	-	-	1	-	1	1	-	1	1	-	-	-	-	-
SUFFOCATION OR OBSTRUCTION	28	3	1	3	2	-	-	1	-	2	-	1	1	-	1	1	-
INHALATION OF FOOD	9	-	-	1	2	-	-	-	-	-	-	-	1	-	-	1	-
INHALATION OF OTHER MATERIAL	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MECHANICAL SUFFOCATION	14	3	1	2	-	-	-	1	-	2	-	1	-	-	1	-	-
MISCELLANEOUS	510	-	-	9	4	9	12	37	3	28	4	32	10	28	9	30	17
FALLS	260	-	-	-	-	1	-	3	1	6	-	5	3	9	3	11	6
FIRES	41	-	-	4	3	3	2	6	2	-	-	4	1	2	3	1	4
DROWNING	47	-	-	5	-	4	7	12	-	5	-	5	1	4	-	1	2
STRUCK BY OBJECT	26	-	-	-	-	-	-	3	-	8	-	1	1	3	-	4	2
MACHINERY	20	-	-	-	1	-	-	1	-	3	-	1	-	3	-	4	-
FIREARMS	14	-	-	-	-	1	1	8	-	2	1	1	-	-	-	-	-
ELECTRIC CURRENT	3	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-
OTHER AND UNSPECIFIED	48	-	-	-	-	-	1	1	-	3	1	8	3	4	2	3	2
COMPLICATIONS OF MEDICAL PROCEDURES	30	-	-	-	-	-	-	1	-	-	1	-	-	2	1	3	-
LATE EFFECTS OF ACCIDENTS	21	-	-	-	-	-	1	1	-	-	1	6	1	1	-	3	1

- Quantity is zero.

NOTE: The classes listed above follow the National Safety Council classification system. Deaths from injuries that occurred at work and that involved transport vehicles (e.g., car) included in the appropriate transportation category, not the occupational category. See table 6-14 for a tally of all deaths resulting from injuries received at work.

TABLE 6-17.
DEATHS FROM SUICIDE, HOMICIDE, LEGAL INTERVENTION, AND EXTERNAL CAUSES UNDETERMINED WHETHER UNINTENTIONALLY OR PURPOSELY INFLICTED, BY AGE, SEX, AND METHOD, OREGON RESIDENTS, 1996

METHOD OF DEATH	TOTAL DEATHS	AGE AND SEX GROUPS																	
		TOTAL		< 15		15-24		25-34		35-44		45-54		55-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
SUICIDE	533	435	98	9	1	61	8	73	14	91	28	56	22	43	8	44	9	58	8
ALL POISONING	88	58	30	-	-	3	2	8	3	21	11	15	7	4	1	2	1	5	5
MEDICATIONS	53	29	24	-	-	2	1	4	3	10	9	9	7	2	-	2	-	-	4
AUTO EXHAUST	29	23	6	-	-	1	1	3	-	8	2	5	-	1	1	-	1	5	1
OTHER GAS	2	2	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
OTHER	4	4	-	-	-	-	-	1	-	2	-	-	-	1	-	-	-	-	-
HANGING	69	61	8	6	1	7	2	19	2	18	1	6	1	4	-	1	1	-	-
SUFFOCATION BY PLASTIC BAG	8	6	2	-	-	1	-	1	-	-	-	1	-	-	-	-	1	3	1
OTHER SUFFOCATION	6	6	-	-	-	1	-	-	-	2	-	2	-	-	-	-	-	1	-
DROWNING	6	4	2	-	-	-	-	-	-	3	1	1	-	-	1	-	-	-	-
ALL FIREARMS	330	281	49	3	-	45	4	41	7	41	14	29	12	32	5	41	5	49	2
HANDGUNS	222	182	40	2	-	24	4	27	3	25	12	21	9	22	5	24	5	37	2
SHOTGUNS	32	31	1	-	-	7	-	4	-	6	-	2	1	2	-	6	-	4	-
RIFLES	71	63	8	1	-	13	-	10	4	10	2	5	2	6	-	10	-	8	-
OTHER AND UNSPECIFIED	5	5	-	-	-	1	-	-	-	-	-	1	-	2	-	1	-	-	-
CUTTING AND PIERCING	9	8	1	-	-	-	-	1	1	3	-	1	-	3	-	-	-	-	-
JUMPING FROM HIGH PLACES	6	4	2	-	-	2	-	1	-	1	-	-	-	-	1	-	1	-	-
OTHER	11	7	4	-	-	2	-	2	1	2	1	1	2	-	-	-	-	-	-
HOMICIDE	143	93	50	14	8	26	7	22	13	18	5	5	6	6	3	-	1	2	7
STRANGULATION AND HANGING	10	4	6	1	1	-	1	-	2	2	1	-	1	-	-	-	-	1	-
ALL FIREARMS	74	53	21	-	1	24	3	13	6	11	3	4	2	1	1	-	-	-	5
HANDGUNS	47	36	11	-	-	12	1	11	3	9	1	3	-	1	1	-	-	-	5
SHOTGUNS	7	4	3	-	1	3	-	-	-	1	1	-	1	-	-	-	-	-	-
RIFLES	5	4	1	-	-	1	-	1	1	1	-	1	-	-	-	-	-	-	-
OTHER AND UNSPECIFIED	15	9	6	-	-	8	2	1	2	-	1	-	1	-	-	-	-	-	-
CUTTING AND PIERCING	17	14	3	1	1	1	-	7	1	2	-	-	1	2	-	-	-	1	-
CHILD BATTERING & NEGLECT	11	10	1	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER	31	12	19	2	4	1	3	2	4	3	1	1	2	3	2	-	1	-	2
LEGAL INTERVENTION	9	8	1	-	-	1	-	5	-	-	-	-	1	2	-	-	-	-	-
FIREARMS	8	7	1	-	-	1	-	5	-	-	-	-	1	1	-	-	-	-	-
OTHER	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
UNDETERMINED MANNER ¹	73	51	22	8	4	6	-	8	4	16	8	8	2	1	3	3	-	1	1
ALL POISONING	29	17	12	-	-	1	-	3	3	8	5	5	2	-	2	-	-	-	-
MEDICATIONS	29	17	12	-	-	1	-	3	3	8	5	5	2	-	2	-	-	-	-
DROWNING	5	5	-	-	-	-	-	2	-	2	-	1	-	-	-	-	-	-	-
FIREARMS	4	4	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	-	-
OTHER	35	25	10	8	4	2	-	3	1	6	3	1	-	1	1	3	-	1	1

¹ Undetermined whether unintentionally or purposefully inflicted.

- Quantity is zero.

TABLE 6-18.
TOBACCO-RELATED DEATHS BY SEX, AGE, AND EDUCATION,
OREGON RESIDENTS, 1996

SEX, AGE, AND EDUCATION	TOTAL DEATHS	LINKED TO TOBACCO USE ¹		NOT LINKED TO TOBACCO USE		UNKNOWN	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
SEX AND AGE							
BOTH SEXES	28,900	6,668	23.1	15,587	53.9	6,645	23.0
< 1 ²	244	2	0.8	210	86.1	32	13.1
1-24	557	2	0.4	505	90.7	50	9.0
25-34	565	19	3.4	480	85.0	66	11.7
35-44	1,058	117	11.1	737	69.7	204	19.3
45-54	1,550	366	23.6	838	54.1	346	22.3
55-64	2,606	991	38.0	1,083	41.6	532	20.4
65-74	5,605	2,173	38.8	2,204	39.3	1,228	21.9
75-84	8,778	2,229	25.4	4,395	50.1	2,154	24.5
85-94	6,698	725	10.8	4,226	63.1	1,747	26.1
95+	1,239	44	3.6	909	73.4	286	23.1
MALES	14,694	4,038	27.5	7,052	48.0	3,604	24.5
< 1 ²	136	-	-	116	85.3	20	14.7
1-24	387	2	0.5	350	90.4	35	9.0
25-34	417	15	3.6	353	84.7	49	11.8
35-44	734	93	12.7	500	68.1	141	19.2
45-54	968	242	25.0	490	50.6	236	24.4
55-64	1,544	596	38.6	596	38.6	352	22.8
65-74	3,261	1,335	40.9	1,160	35.6	766	23.5
75-84	4,483	1,307	29.2	1,970	43.9	1,206	26.9
85-94	2,491	423	17.0	1,341	53.8	727	29.2
95+	273	25	9.2	176	64.5	72	26.4
FEMALES	14,206	2,630	18.5	8,535	60.1	3,041	21.4
< 1 ²	108	2	1.9	94	87.0	12	11.1
1-24	170	-	-	155	91.2	15	8.8
25-34	148	4	2.7	127	85.8	17	11.5
35-44	324	24	7.4	237	73.1	63	19.4
45-54	582	124	21.3	348	59.8	110	18.9
55-64	1,062	395	37.2	487	45.9	180	16.9
65-74	2,344	838	35.8	1,044	44.5	462	19.7
75-84	4,295	922	21.5	2,425	56.5	948	22.1
85-94	4,207	302	7.2	2,885	68.6	1,020	24.2
95+	966	19	2.0	733	75.9	214	22.2
YEARS OF EDUCATION							
<9	5,060	1,090	21.5	2,757	54.5	1,213	24.0
9-11	3,284	908	27.6	1,569	47.8	807	24.6
12	11,375	2,839	25.0	5,910	52.0	2,626	23.1
13-15	4,674	1,003	21.5	2,678	57.3	993	21.2
16	2,192	395	18.0	1,307	59.6	490	22.4
17+	1,396	200	14.3	903	64.7	293	21.0
NOT STATED	919	233	25.4	463	50.4	223	24.3

1. The Oregon Death Certificate asks 'Did tobacco use contribute to the death?' Followed by four check boxes: 'Yes,' 'No,' 'Probably,' and 'Unknown.' This category includes deaths listed as 'Yes' or 'Probably.'

2. The number of infant deaths due to exposure to tobacco combustion products is underreported. Based on a multiple logistic regression model that included 20 health and demographic variables, an estimated 5.9 percent of infant deaths (15) were attributable to maternal smoking during pregnancy. Among mothers who smoked, 26 percent of the infant deaths were attributable to maternal smoking during pregnancy.

TABLE 6-19. TOBACCO-RELATED DEATHS BY CAUSE OF DEATH, OREGON RESIDENTS, 1996

SELECTED CAUSES OF DEATH	TOTAL DEATHS	LINKED TO TOBACCO USE ¹		NOT LINKED TO TOBACCO USE		UNKNOWN	
		NO.	RATE	NO.	RATE	NO.	RATE
TOTAL	28,900	6,668	23.1	15,587	53.9	6,645	23.0
TUBERCULOSIS (010-018, 137)	14	4	28.6	8	57.1	2	14.3
SEPTICEMIA (038)	106	12	11.3	66	62.3	28	26.4
AIDS (042-044)	223	16	7.2	174	78.0	33	14.8
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	130	10	7.7	100	76.9	20	15.4
MALIGNANT NEOPLASMS (140-208)	6,784	2,146	31.6	3,481	51.3	1,157	17.1
BUCCAL CAVITY & PHARYNX (140-149)	86	54	62.8	19	22.1	13	15.1
DIGESTIVE ORGANS & PERITONEUM (150-159)	1,499	158	10.5	1,023	68.2	318	21.2
LARGE INTESTINE (153)	556	27	4.9	412	74.1	117	21.0
PANCREAS (157)	354	39	11.0	242	68.4	73	20.6
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	2,070	1,688	81.5	176	8.5	206	10.0
BRONCHUS AND LUNG (162.2-162.9)	2,000	1,647	82.3	154	7.7	199	9.9
MALIGNANT MELANOMA (172)	103	1	1.0	93	90.3	9	8.7
OTHER SKIN (173)	31	2	6.5	24	77.4	5	16.1
BREAST (174-175)	518	32	6.2	416	80.3	70	13.5
GENITAL ORGANS (179-187)	818	46	5.6	622	76.0	150	18.3
CERVIX & UTERUS (179-182)	127	4	3.1	106	83.5	17	13.4
OVARY (183.0)	160	2	1.2	137	85.6	21	13.1
PROSTATE (185)	505	38	7.5	358	70.9	109	21.6
URINARY ORGANS (188-189)	300	66	22.0	153	51.0	81	27.0
LEUKEMIA (204-208)	281	8	2.8	226	80.4	47	16.7
BENIGN NEOPLASMS (210-229)	22	-	-	17	77.3	5	22.7
IN SITU, UNCERT. BEHAV. & UNSPEC. NATURE NEOPL. (230-239)	59	3	5.1	39	66.1	17	28.8
DIABETES MELLITUS (250)	739	115	15.6	418	56.6	206	27.9
ALZHEIMER'S DEMENTIA (290.1)	311	9	2.9	231	74.3	71	22.8
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	119	26	21.8	58	48.7	35	29.4
DRUG DEPENDENCE (304)	26	-	-	25	96.2	1	3.8
ALZHEIMER'S DISEASE (331.0)	429	13	3.0	314	73.2	102	23.8
PARKINSON'S DISEASE (332)	236	8	3.4	176	74.6	52	22.0
EPILEPSY (345)	12	-	-	11	91.7	1	8.3
MAJOR CARDIOVASCULAR DISEASES (390-448)	11,142	2,368	21.3	5,612	50.4	3,162	28.4
DISEASES OF THE HEART (390-398, 402, 404-429)	7,688	1,812	23.6	3,655	47.5	2,221	28.9
RHEUMATIC FEVER & CHRONIC RHEUM. HEART DIS. (390-398)	88	6	6.8	61	69.3	21	23.9
HYPERTENSIVE HEART DISEASE W/WO RENAL DIS.(402, 404)	245	30	12.2	158	64.5	57	23.3
ISCHEMIC HEART DISEASE (410-414)	5,201	1,430	27.5	2,301	44.2	1,470	28.3
MYOCARDIAL INFARCTION (410)	2,067	584	28.3	875	42.3	608	29.4
CHRONIC ISCHEMIC HEART DISEASE (412-414)	3,123	845	27.1	1,422	45.5	856	27.4
ALL OTHER FORMS (415-429)	2,154	346	16.1	1,135	52.7	673	31.2
HYPERTENSION (401, 403)	194	31	16.0	118	60.8	45	23.2
CEREBROVASCULAR DISEASE (430-438)	2,632	334	12.7	1,564	59.4	734	27.9
SUBARACHNOID HEMORRHAGE (430)	102	10	9.8	58	56.9	34	33.3
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	325	51	15.7	175	53.8	99	30.5
CEREBRAL THROMBOSIS & EMBOLISM (434)	312	13	4.2	248	79.5	51	16.3
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	1,506	214	14.2	860	57.1	432	28.7
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	185	14	7.6	118	63.8	53	28.6
ARTERIOSCLEROSIS (440)	256	56	21.9	131	51.2	69	27.0
OTHER DIS. OF ARTERIES, ARTERIOLES & CAPILLARIES (441-448)	372	135	36.3	144	38.7	93	25.0
PNEUMONIA (480-486)	936	144	15.4	537	57.4	255	27.2
INFLUENZA (487)	10	3	30.0	6	60.0	1	10.0
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	1,676	1,344	80.2	169	10.1	163	9.7
CHRONIC AND UNSPECIFIED BRONCHITIS (490-491)	51	36	70.6	10	19.6	5	9.8
EMPHYSEMA (492)	406	377	92.9	13	3.2	16	3.9
ASTHMA (493)	89	30	33.7	47	52.8	12	13.5
CHRONIC OBSTRUCTIVE PULMONARY DISEASE (496)	1,104	895	81.1	81	7.3	128	11.6
GASTRIC, DUODENAL, AND PEPTIC ULCER (531-533)	49	12	24.5	31	63.3	6	12.2
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	83	10	12.0	56	67.5	17	20.5
CIRRHOSIS OF THE LIVER (571)	328	47	14.3	197	60.1	84	25.6
ALCOHOLIC CIRRHOSIS (571.0-571.3)	276	43	15.6	159	57.6	74	26.8
DISEASES OF THE GALLBLADDER (574-576)	57	2	3.5	46	80.7	9	15.8
DISEASES OF THE PANCREAS (577)	31	4	12.9	16	51.6	11	35.5
NEPHRITIS & NEPHROSIS (580-589)	153	18	11.8	88	57.5	47	30.7
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, ETC. (630-676)	2	-	-	2	100.0	-	-
CONGENITAL ANOMALIES (740-759)	143	5	3.5	113	79.0	25	17.5
PERINATAL CONDITIONS (760-779)	95	-	-	80	84.2	15	15.8
UNINTENTIONAL INJURIES (800-949)	1,295	29	2.2	1,069	82.5	197	15.2
MOTOR VEHICLE-RELATED (810-825)	531	3	0.6	467	87.9	61	11.5
SUICIDES (950-959)	533	2	0.4	485	91.0	46	8.6
HOMICIDES (960-978)	152	-	-	149	98.0	3	2.0
INJURIES OF UNDETERMINED MANNER (980-989)	73	1	1.4	58	79.5	14	19.2

¹ The Oregon death certificate asks, "Did tobacco use contribute to the death?" followed by four check boxes: "Yes," "No," "Probably," and "Unknown." This category includes deaths listed as "Yes" or "Probably."

TABLE 6-20.
TOBACCO-RELATED DEATHS BY COUNTY OF RESIDENCE, OREGON, 1996

COUNTY OF RESIDENCE	TOTAL DEATHS	LINKED TO TOBACCO USE ¹		NOT LINKED TO TOBACCO USE		UNKNOWN	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	28,900	6,668	23.1	15,587	53.9	6,645	23.0
BAKER	182	35	19.2	98	53.8	49	26.9
BENTON	432	122	28.2	256	59.3	54	12.5
CLACKAMAS	2,442	547	22.4	1,365	55.9	530	21.7
CLATSOP	393	85	21.6	211	53.7	97	24.7
COLUMBIA	360	91	25.3	206	57.2	63	17.5
COOS	805	220	27.3	390	48.4	195	24.2
CROOK	178	44	24.7	97	54.5	37	20.8
CURRY	286	61	21.3	124	43.4	101	35.3
DESCHUTES	825	197	23.9	395	47.9	233	28.2
DOUGLAS	1,114	297	26.7	464	41.7	353	31.7
GILLIAM	20	2	10.0	16	80.0	2	10.0
GRANT	75	22	29.3	40	53.3	13	17.3
HARNEY	66	23	34.8	23	34.8	20	30.3
HOOD RIVER	158	31	19.6	100	63.3	27	17.1
JACKSON	1,808	427	23.6	819	45.3	562	31.1
JEFFERSON	160	46	28.8	83	51.9	31	19.4
JOSEPHINE	924	224	24.2	466	50.4	234	25.3
KLAMATH	578	151	26.1	277	47.9	150	26.0
LAKE	87	24	27.6	44	50.6	19	21.8
LANE	2,717	657	24.2	1,317	48.5	743	27.3
LINCOLN	545	149	27.3	252	46.2	144	26.4
LINN	998	249	24.9	559	56.0	190	19.0
MALHEUR	273	33	12.1	99	36.3	141	51.6
MARION	2,378	565	23.8	1,462	61.5	351	14.8
MORROW	66	20	30.3	32	48.5	14	21.2
MULTNOMAH	5,915	1,231	20.8	3,293	55.7	1,391	23.5
POLK	498	101	20.3	316	63.5	81	16.3
SHERMAN	24	7	29.2	14	58.3	3	12.5
TILLAMOOK	271	82	30.3	144	53.1	45	16.6
UMATILLA	613	145	23.7	317	51.7	151	24.6
UNION	237	69	29.1	117	49.4	51	21.5
WALLOWA	67	20	29.9	43	64.2	4	6.0
WASCO	271	47	17.3	169	62.4	55	20.3
WASHINGTON	2,494	502	20.1	1,567	62.8	425	17.0
WHEELER	22	5	22.7	12	54.5	5	22.7
YAMHILL	618	137	22.2	400	64.7	81	13.1

¹ The Oregon death certificate asks, "Did tobacco use contribute to the death?" followed by four check boxes: "Yes," "No," "Probably," and "Unknown." This category includes deaths listed as "Yes" or "Probably."

TABLE 6-21.
DEATHS DUE TO ALCOHOL OR DRUGS BY SEX, AGE, RACE/ETHNICITY,
AND EDUCATIONAL ATTAINMENT, OREGON RESIDENTS, 1996

SEX, AGE, RACE/ETHNICITY, AND EDUCATION	TOTAL		ALCOHOLIC DEPENDENCE SYNDROME		CHRONIC ALCOHOLIC LIVER DISEASE		OTHER ALCOHOLIC DISORDERS ¹		DRUG PSYCHOSIS, ABUSE, AND DEPENDENCE ²		UNINTENDED INJURIES		SUICIDES	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
TOTAL	712	100	108	100	276	100	35	100	41	100	170	100	53	100
SEX														
MALE	498	70	85	79	183	66	24	69	28	68	132	78	29	55
FEMALE	214	30	23	21	93	34	11	31	13	32	38	22	24	45
AGE														
0-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5-14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-24	14	2	-	-	-	-	-	-	2	5	8	5	3	6
25-34	78	11	4	4	4	1	3	9	11	27	43	25	7	13
35-44	197	28	12	11	54	20	3	9	17	41	79	46	19	36
45-54	155	22	21	19	65	24	6	17	8	20	32	19	16	30
55-64	118	17	28	26	72	26	8	23	1	2	5	3	2	4
65-74	89	13	28	26	52	19	5	14	1	2	1	1	2	4
75-84	51	7	11	10	27	10	8	23	-	-	1	1	4	8
85+	10	1	4	4	2	1	2	6	1	2	1	1	-	-
RACE/ETHNICITY														
WHITE	652	92	98	91	256	93	33	94	36	88	154	91	53	100
AFRICAN AMERICAN	26	4	4	4	7	3	-	-	3	7	8	5	-	-
INDIAN	31	4	3	3	13	5	2	6	2	5	8	5	-	-
CHINESE & JAPANESE	1	0	1	1	-	-	-	-	-	-	-	-	-	-
OTHER ASIAN & PACIFIC ISL.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER & NOT STATED	2	0	2	2	-	-	-	-	-	-	-	-	-	-
HISPANIC ³	11	2	-	-	5	2	-	-	1	2	4	2	-	-
YEARS OF EDUCATION														
<9	50	7	11	10	24	9	4	11	2	5	8	5	-	-
9-11	118	17	15	14	50	18	3	9	9	22	34	20	5	9
12	318	45	47	44	115	42	18	51	17	41	79	46	24	45
13-15	140	20	10	9	57	21	9	26	8	20	34	20	15	28
16	41	6	13	12	14	5	-	-	2	5	7	4	5	9
17+	27	4	5	5	12	4	1	3	1	2	3	2	4	8
NOT STATED	18	3	7	6	4	1	-	-	2	5	5	3	-	-

¹ Includes alcoholic gastritis, alcoholic polyneuropathy, alcoholic cardiomyopathy, and alcoholic psychosis.

² Excludes tobacco dependence.

³ Hispanics may be of any race.

NOTE: Drug overdoses are included in "drug psychosis, abuse, and dependence" if the decedent was reported to be a chronic drug abuser and in "unintended injuries" if not:

- Quantity is zero.

TABLE 6-22.
DEATHS DUE TO ALCOHOL OR DRUGS BY COUNTY OF RESIDENCE, OREGON, 1996

COUNTY OF RESIDENCE	TOTAL		ALCOHOLIC DEPENDENCE SYNDROME		CHRONIC ALCOHOLIC LIVER DISEASE		OTHER ALCOHOLIC DISORDERS ¹		DRUG PSYCHOSIS, ABUSE, AND DEPENDENCE ²		UNINTENDED INJURIES		SUICIDES		UNDETERMINED MANNER	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
TOTAL	712	100	108	100	276	100	35	100	41	100	170	100	53	100	29	100
BAKER	4	1	2	2	2	1	-	-	-	-	-	-	-	-	-	-
BENTON	7	1	2	2	2	1	1	3	-	-	1	1	1	2	-	-
CLACKAMAS	51	7	4	4	22	8	-	-	1	2	16	9	5	9	3	10
CLATSOP	15	2	1	1	11	4	-	-	-	-	2	1	1	2	-	-
COLUMBIA	7	1	1	1	2	1	-	-	-	-	2	1	1	2	1	3
COOS	15	2	1	1	8	3	1	3	1	2	1	1	2	4	1	3
CROOK	4	1	1	1	-	-	-	-	-	-	2	1	-	-	1	3
CURRY	8	1	2	2	4	1	-	-	-	-	1	1	1	2	-	-
DESCHUTES	18	3	2	2	8	3	3	9	-	-	4	2	-	-	1	3
DOUGLAS	25	4	2	2	16	6	-	-	1	2	2	1	4	8	-	-
GILLIAM	1	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-
GRANT	3	-	2	2	-	-	1	3	-	-	-	-	-	-	-	-
HARNEY	1	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-
HOOD RIVER	4	1	-	-	4	1	-	-	-	-	-	-	-	-	-	-
JACKSON	26	4	6	6	13	5	-	-	-	-	2	1	5	9	-	-
JEFFERSON	6	1	-	-	5	2	1	3	-	-	-	-	-	-	-	-
JOSEPHINE	21	3	3	3	8	3	2	6	-	-	4	2	2	4	2	7
KLAMATH	12	2	2	2	6	2	-	-	1	2	1	1	2	4	-	-
LAKE	2	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-
LANE	48	7	9	8	11	4	5	14	-	-	18	11	3	6	2	7
LINCOLN	13	2	5	5	5	2	1	3	-	-	2	1	-	-	-	-
LINN	17	2	1	1	13	5	1	3	-	-	2	1	-	-	-	-
MALHEUR	3	-	1	1	2	1	-	-	-	-	-	-	-	-	-	-
MARION	51	7	7	6	15	5	5	14	9	22	10	6	5	9	-	-
MORROW	2	-	-	-	1	-	-	-	1	2	-	-	-	-	-	-
MULTNOMAH	265	37	38	35	86	31	8	23	20	49	84	49	14	26	15	52
POLK	6	1	-	-	2	1	1	3	1	2	2	1	-	-	-	-
SHERMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TILLAMOOK	7	1	1	1	2	1	1	3	2	5	-	-	1	2	-	-
UMATILLA	9	1	2	2	2	1	2	6	-	-	2	1	1	2	-	-
UNION	5	1	2	2	2	1	-	-	-	-	-	-	-	-	1	3
WALLOWA	2	-	1	1	-	-	-	-	-	-	1	1	-	-	-	-
WASCO	4	1	-	-	1	-	-	-	-	-	-	-	2	4	1	3
WASHINGTON	42	6	9	8	16	6	2	6	3	7	9	5	2	4	1	3
WHEELER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
YAMHILL	7	1	1	1	4	1	-	-	-	-	2	1	-	-	-	-

¹ Includes alcoholic gastritis, alcoholic polyneuropathy, alcoholic cardiomyopathy, and alcoholic psychosis.

² Excludes tobacco dependence.

NOTE: Drug overdoses are included in "drug psychosis, abuse and dependence" if the decedent was reported to be a chronic drug abuser and in "unintended injuries" if not so indicated.

- Quantity is zero.

TABLE 6-23.
LEADING CAUSES OF DEATH BY COUNTY OF RESIDENCE,
OREGON, 1996

COUNTY OF RESIDENCE	TOTAL	DISEASES OF THE HEART	MALIGNANT NEOPLASMS	CEREBROVASCULAR DISEASE	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	UNINTENDED INJURIES	INFLUENZA AND PNEUMONIA	ALZHEIMER'S DISEASE	DIABETES MELLITUS	SUICIDE	ALCOHOLISM ²
TOTAL	28,900	7,676	6,784	2,632	1,676	1,295	946	740	739	533	419
RATE¹	908.5	241.3	213.3	82.7	52.7	40.7	29.7	23.3	23.2	16.8	13.2
BAKER	182	58	43	5	15	8	7	5	6	4	4
BENTON	432	113	105	57	32	13	16	9	12	5	5
CLACKAMAS	2,442	677	588	215	120	107	85	64	65	60	26
CLATSOP	393	111	103	35	15	17	17	8	8	9	12
COLUMBIA	360	97	93	25	22	12	10	12	13	6	3
COOS	805	194	222	60	48	45	19	26	28	17	10
CROOK	178	56	41	7	9	15	7	-	5	3	1
CURRY	286	76	83	14	24	9	8	9	9	7	6
DESCHUTES	825	240	200	78	53	42	25	10	16	15	13
DOUGLAS	1,114	310	284	77	73	65	29	31	32	25	18
GILLIAM	20	6	4	3	-	-	1	-	1	1	-
GRANT	75	18	22	6	5	1	6	-	2	1	3
HARNEY	66	19	14	5	6	3	4	1	1	1	-
HOOD RIVER	158	33	37	16	8	4	11	3	4	1	4
JACKSON	1,808	498	438	170	103	63	69	37	52	38	19
JEFFERSON	160	42	29	11	9	18	8	1	7	3	6
JOSEPHINE	924	278	230	81	49	38	24	27	16	17	13
KLAMATH	578	111	134	51	51	24	10	15	16	13	8
LAKE	87	27	23	6	5	5	1	1	1	2	2
LANE	2,717	689	650	224	182	103	82	90	65	45	25
LINCOLN	545	141	133	49	31	30	16	14	12	8	11
LINN	998	287	217	90	45	35	39	37	20	15	15
MALHEUR	273	79	54	18	17	14	9	8	12	5	3
MARION	2,378	654	521	298	142	107	57	46	60	37	27
MORROW	66	16	14	1	5	6	5	1	4	1	1
MULTNOMAH	5,915	1,492	1,317	512	337	268	216	139	155	118	132
POLK	498	126	114	77	28	23	12	14	10	4	3
SHERMAN	24	6	7	2	2	2	1	-	-	-	-
TILLAMOOK	271	70	64	24	17	15	6	4	11	5	4
UMATILLA	613	169	151	44	31	31	27	16	20	12	6
UNION	237	70	54	20	18	11	6	8	2	4	4
WALLOWA	67	22	20	5	1	3	2	-	2	2	1
WASCO	271	62	51	38	11	16	11	11	5	6	1
WASHINGTON	2,494	644	594	244	123	118	83	68	55	34	27
WHEELER	22	4	5	3	1	1	-	-	-	-	1
YAMHILL	618	181	125	61	38	23	17	25	12	9	5

- Quantity is zero.

¹ Rates per 100,000 population.

² Includes alcoholic psychosis, alcoholic dependence syndrome, alcoholic gastritis, alcoholic cardiomyopathy, alcoholic polyneuropathy, and alcoholic liver disease.

TABLE 6-23.
LEADING CAUSES OF DEATH BY COUNTY OF RESIDENCE,
OREGON, 1996 (CONTINUED)

COUNTY OF RESIDENCE	OTHER DISEASES OF THE ARTERIES	ARTERIOSCLEROSIS	PARKINSONISM	ACQUIRED IMMUNE DEFICIENCY SYNDROME	HYPERTENSION WITH OR WITHOUT RENAL DISEASE	NEPHRITIS AND NEPHROSIS	HOMICIDE AND LEGAL INTERVENTION	CONGENITAL ANOMALIES	SEPTICEMIA	PERINATAL CONDITIONS	HERNIA & INTESTINAL OBSTRUCTION	ALL OTHER CAUSES
TOTAL	372	256	236	223	194	153	152	143	106	95	83	3,458
RATE ¹	11.7	8.0	7.4	7.0	6.1	4.8	4.8	4.5	3.3	3.0	2.6	108.7
BAKER	-	3	-	1	1	-	-	-	1	-	1	20
BENTON	5	1	-	2	2	1	1	3	-	-	1	49
CLACKAMAS	35	24	26	10	18	11	8	12	8	9	4	270
CLATSOP	2	5	6	1	2	5	-	3	1	1	4	28
COLUMBIA	3	1	6	-	2	1	1	1	-	1	-	46
COOS	13	9	3	-	4	5	5	4	4	1	-	88
CROOK	3	9	-	1	-	-	2	1	-	-	-	18
CURRY	2	5	1	-	-	1	1	3	3	1	2	22
DESCHUTES	7	6	8	1	4	3	1	-	1	4	1	98
DOUGLAS	14	8	7	8	3	3	4	2	5	4	1	111
GILLIAM	-	-	1	-	-	-	-	-	-	-	-	3
GRANT	-	-	1	-	-	1	-	-	1	-	-	8
HARNEY	1	-	-	-	1	-	1	-	1	-	2	6
HOOD RIVER	2	5	4	1	2	1	-	-	3	1	2	16
JACKSON	26	17	15	3	8	12	12	9	3	6	7	203
JEFFERSON	1	2	-	1	1	-	2	-	1	2	-	16
JOSEPHINE	16	5	6	5	3	3	7	-	5	1	1	100
KLAMATH	7	1	5	2	7	7	2	4	2	3	2	103
LAKE	3	-	1	-	-	1	1	-	-	2	-	6
LANE	36	28	21	20	17	18	9	10	8	12	7	376
LINCOLN	7	8	3	5	-	4	2	-	1	-	2	69
LINN	15	7	13	6	1	3	5	6	7	-	4	131
MALHEUR	2	1	5	1	3	-	-	2	-	-	1	39
MARION	30	16	8	14	18	13	11	13	20	15	9	263
MORROW	-	-	-	1	-	-	-	2	-	-	-	9
MULTNOMAH	56	36	53	119	61	33	48	43	16	17	11	739
POLK	9	4	2	-	10	-	1	4	-	1	4	53
SHERMAN	-	-	-	-	1	-	-	-	1	-	-	2
TILLAMOOK	3	7	1	2	1	1	-	-	-	-	-	37
UMATILLA	9	3	5	1	5	2	4	2	1	3	4	68
UNION	3	1	2	-	1	1	-	-	-	-	-	32
WALLOWA	2	-	-	-	-	-	-	-	-	1	1	5
WASCO	5	2	4	1	-	2	2	2	4	-	1	36
WASHINGTON	45	35	25	16	13	17	20	14	8	9	8	295
WHEELER	-	1	-	-	-	-	-	-	-	-	-	6
YAMHILL	5	6	4	1	5	4	2	3	1	1	3	87

¹ Rates per 100,000 population.

- Quantity is zero.

TABLE 6-24.
DEATHS BY AGE, SEX, AND COUNTY OF RESIDENCE,
OREGON, 1996

COUNTY OF RESIDENCE	TOTAL	TOTAL		< 1		1-4		5-14		15-24	
		M	F	M	F	M	F	M	F	M	F
TOTAL	28,900	14,694	14,206	136	108	42	27	55	54	290	89
BAKER	182	90	92	-	-	-	-	-	-	1	-
BENTON	432	202	230	2	2	-	-	-	1	3	2
CLACKAMAS	2,442	1,243	1,199	13	12	3	2	3	1	30	2
CLATSOP	393	201	192	-	1	1	-	-	-	1	-
COLUMBIA	360	178	182	1	2	1	-	-	-	4	-
COOS	805	420	385	3	1	4	1	-	2	10	3
CROOK	178	98	80	-	-	1	1	1	-	1	-
CURRY	286	154	132	2	-	-	-	1	-	1	-
DESCHUTES	825	417	408	2	5	-	1	2	1	9	2
DOUGLAS	1,114	602	512	1	5	2	1	4	1	10	5
GILLIAM	20	11	9	-	-	-	-	-	-	-	-
GRANT	75	47	28	-	-	-	-	-	-	-	-
HARNEY	66	38	28	-	-	-	-	-	1	2	1
HOOD RIVER	158	82	76	1	-	-	-	-	-	3	-
JACKSON	1,808	966	842	8	3	2	1	3	5	11	2
JEFFERSON	160	92	68	3	1	-	1	1	1	6	-
JOSEPHINE	924	466	458	1	2	1	-	2	-	5	3
KLAMATH	578	301	277	3	4	-	-	1	1	5	2
LAKE	87	43	44	1	2	-	-	-	-	1	-
LANE	2,717	1,402	1,315	16	9	3	2	1	2	24	5
LINCOLN	545	286	259	1	1	1	-	1	1	4	1
LINN	998	512	486	5	3	-	1	5	4	7	3
MALHEUR	273	135	138	2	-	1	1	1	2	3	2
MARION	2,378	1,154	1,224	17	16	3	1	5	7	29	10
MORROW	66	37	29	-	-	-	-	-	-	4	2
MULTNOMAH	5,915	2,974	2,941	24	25	11	6	12	8	68	22
POLK	498	229	269	1	2	3	1	-	4	3	1
SHERMAN	24	15	9	-	-	-	-	-	-	-	-
TILLAMOOK	271	145	126	-	-	-	-	-	-	3	-
UMATILLA	613	319	294	6	2	-	-	1	4	11	2
UNION	237	134	103	1	-	-	-	1	1	1	-
WALLOWA	67	34	33	2	-	-	-	-	-	-	-
WASCO	271	136	135	2	-	-	-	1	-	4	-
WASHINGTON	2,494	1,217	1,277	16	8	5	5	9	6	19	16
WHEELER	22	15	7	-	-	-	-	-	-	-	-
YAMHILL	618	299	319	2	2	-	2	-	1	7	3

- Quantity is zero.

TABLE 6-24.
DEATHS BY AGE, SEX, AND COUNTY OF RESIDENCE, OREGON, 1996
(CONTINUED)

COUNTY OF RESIDENCE	25-34		35-44		45-54		55-64		65-74		75+	
	M	F	M	F	M	F	M	F	M	F	M	F
TOTAL	417	148	734	324	968	582	1,544	1,062	3,261	2,344	7,247	9,468
BAKER	2	1	2	4	4	2	13	7	23	19	45	59
BENTON	4	1	9	3	12	13	19	13	46	50	107	145
CLACKAMAS	33	12	58	34	95	56	132	76	256	206	620	798
CLATSOP	6	1	13	7	14	10	17	17	54	32	95	124
COLUMBIA	3	2	3	5	10	11	17	14	46	39	93	109
COOS	11	2	14	7	21	16	46	35	109	78	202	240
CROOK	2	2	8	3	3	5	8	8	19	10	55	51
CURRY	2	2	5	4	7	6	10	10	45	33	81	77
DESCHUTES	7	11	21	7	16	14	45	35	99	83	216	249
DOUGLAS	10	4	30	15	45	24	64	58	149	82	287	317
GILLIAM	-	-	-	1	-	-	1	-	3	1	7	7
GRANT	2	-	1	-	3	2	4	1	12	8	25	17
HARNEY	-	-	2	1	4	4	5	1	10	5	15	15
HOOD RIVER	1	1	3	1	7	3	4	2	16	10	47	59
JACKSON	20	9	37	10	44	26	98	48	229	125	514	613
JEFFERSON	7	1	4	5	6	5	14	8	25	9	26	37
JOSEPHINE	11	2	26	7	24	24	59	41	100	84	237	295
KLAMATH	13	2	13	10	13	12	37	26	84	45	132	175
LAKE	-	2	2	-	2	2	7	3	5	12	25	23
LANE	35	11	60	23	97	63	143	106	323	205	700	889
LINCOLN	5	4	8	4	23	13	26	27	78	52	139	156
LINN	12	7	23	11	30	22	69	35	103	71	258	329
MALHEUR	1	-	7	-	7	-	11	6	26	22	76	105
MARION	29	12	45	30	69	46	127	92	223	192	607	818
MORROW	-	1	1	-	3	1	1	2	11	4	17	19
MULTNOMAH	133	34	232	79	260	106	318	221	600	453	1,316	1,987
POLK	2	2	6	9	11	10	18	17	43	49	142	174
SHERMAN	-	-	-	-	-	-	1	2	4	2	10	5
TILLAMOOK	1	1	7	2	6	3	14	11	49	29	65	80
UMATILLA	8	1	11	9	21	9	35	22	82	39	144	206
UNION	-	-	3	1	5	9	18	10	33	9	72	73
WALLOWA	-	-	-	1	3	1	7	3	5	9	17	19
WASCO	5	2	5	1	9	3	8	9	33	23	69	97
WASHINGTON	45	16	65	28	78	53	123	84	256	201	601	860
WHEELER	-	-	1	-	2	-	-	-	2	3	10	4
YAMHILL	7	2	9	2	14	8	25	12	60	50	175	237

- Quantity is zero.

TABLE 6-25.
YEARS OF POTENTIAL LIFE LOST BEFORE AGE 65 FOR SELECTED CAUSES OF DEATH AND
COUNTY OF RESIDENCE, OREGON, 1996

COUNTY OF RESIDENCE	TOTAL	UNINTENTIONAL INJURIES	CANCER	HEART DISEASE	SUICIDE	PERINATAL CONDITIONS	ACQUIRED IMMUNE DEFICIENCY SYNDROME	CONGENITAL ANOMALIES	HOMICIDE AND LEGAL INTERVENTION	ALCOHOLISM*	SUDDEN INFANT DEATH SYNDROME
TOTAL	126,458	28,627	21,610	12,681	11,304	6,155	5,559	5,238	5,140	4,086	3,033
BAKER	490	110	89	95	84	-	5	-	-	19	-
BENTON	1,589	238	383	306	131	-	53	188	17	48	-
CLACKAMAS	10,725	2,177	2,238	1,128	1,403	582	242	386	245	263	258
CLATSOP	1,452	335	245	111	252	65	24	16	-	80	-
COLUMBIA	1,317	210	288	228	187	65	-	65	-	14	-
COOS	3,210	1,273	461	263	215	65	-	131	237	48	65
CROOK	834	339	196	20	43	-	22	25	90	-	-
CURRY	892	109	165	53	97	65	-	127	35	61	-
DESCHUTES	3,325	1,019	516	323	295	260	35	-	8	157	129
DOUGLAS	4,791	1,505	872	532	469	260	217	60	97	139	-
GILLIAM	26	-	-	3	23	-	-	-	-	-	-
GRANT	199	20	78	-	34	-	-	-	-	63	-
HARNEY	410	106	84	77	-	-	-	-	41	-	-
HOOD RIVER	538	60	210	16	45	65	23	-	-	11	-
JACKSON	5,874	1,192	1,164	607	582	382	85	207	309	197	129
JEFFERSON	1,493	496	102	91	86	130	26	-	96	90	129
JOSEPHINE	3,306	697	542	511	285	65	123	-	186	156	-
KLAMATH	2,649	473	523	188	373	195	44	195	51	102	-
LAKE	477	78	40	17	61	130	-	-	31	28	65
LANE	10,883	2,196	2,332	1,310	943	779	508	379	235	201	65
LINCOLN	1,928	661	312	223	135	-	106	-	67	47	129
LINN	4,325	765	877	496	387	-	153	282	130	134	194
MALHEUR	1,035	454	125	60	46	-	29	130	-	2	-
MARION	10,988	2,452	1,593	1,079	782	974	306	509	354	270	452
MORROW	419	213	8	5	-	-	24	48	-	12	-
MULTNOMAH	31,561	6,152	4,525	2,734	2,739	1,099	3,017	1,496	1,750	1,470	516
POLK	1,869	526	393	155	106	65	-	92	31	11	129
SHERMAN	20	-	4	8	-	-	-	-	-	-	-
TILLAMOOK	690	251	78	177	66	-	56	-	-	1	-
UMATILLA	3,017	833	409	314	256	195	31	130	160	71	129
UNION	704	237	154	146	41	-	-	-	-	42	-
WALLOWA	270	62	49	3	7	65	-	-	-	-	65
WASCO	1,044	411	105	35	98	-	37	-	109	20	-
WASHINGTON	12,079	2,417	2,179	1,156	845	583	393	663	821	289	452
WHEELER	53	-	33	-	-	-	-	-	-	20	-
YAMHILL	1,976	563	238	212	188	65	-	110	42	20	129

*Includes alcoholic psychosis, alcoholic dependence syndrome, alcoholic gastritis, alcoholic cardiomyopathy, alcoholic polyneuropathy, and alcoholic liver disease.

- Quantity is zero.

TABLE 6-25.
YEARS OF POTENTIAL LIFE LOST BEFORE AGE 65 FOR SELECTED CAUSES OF
DEATH AND COUNTY OF RESIDENCE, OREGON, 1996 (CONTINUED)

COUNTY OF RESIDENCE	CEREBROVASCULAR DISEASE	UNDETERMINED MANNER ¹	DIABETES	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	PNEUMONIA AND INFLUENZA	HEPATITIS	OTHER DISEASES OF THE ARTERIES	SEPTICEMIA	EPILEPSY	NEPHRITIS AND NEPHROSIS	BENIGN NEOPLASMS
TOTAL	2,277	2,265	2,019	1,625	1,115	608	549	501	368	244	58
BAKER	-	-	5	28	-	-	-	-	-	-	-
BENTON	18	-	21	16	-	-	16	-	-	-	-
CLACKAMAS	140	135	137	169	87	79	74	-	73	-	6
CLATSOP	94	-	20	40	15	-	-	-	-	21	-
COLUMBIA	10	85	3	40	-	-	-	-	-	-	-
COOS	69	26	76	30	-	-	-	12	-	4	-
CROOK	1	10	14	-	2	-	-	-	-	-	-
CURRY	-	-	13	22	-	-	33	-	-	24	-
DESCHUTES	45	127	79	36	69	29	-	7	-	3	-
DOUGLAS	63	-	95	30	33	47	2	28	28	-	-
GILLIAM	-	-	-	-	-	-	-	-	-	-	-
GRANT	1	-	-	-	-	-	-	3	-	-	-
HARNEY	-	-	-	29	-	-	-	52	-	-	-
HOOD RIVER	-	-	28	-	7	19	-	25	-	-	-
JACKSON	57	-	117	24	24	19	61	-	-	50	-
JEFFERSON	2	-	31	27	-	-	-	-	-	-	-
JOSEPHINE	106	61	65	37	50	58	23	37	-	-	-
KLAMATH	124	34	28	47	8	57	1	49	-	-	-
LAKE	-	-	19	-	-	-	-	-	-	-	-
LANE	172	334	178	139	161	20	29	-	26	18	26
LINCOLN	40	-	6	7	27	-	5	-	-	-	-
LINN	144	-	39	58	13	9	18	39	-	35	14
MALHEUR	-	27	13	7	-	-	8	-	-	-	-
MARION	143	334	171	129	73	67	86	116	-	6	-
MORROW	38	-	-	6	18	-	-	-	-	-	-
MULTNOMAH	622	833	597	371	405	147	101	72	48	50	-
POLK	19	26	33	43	-	-	-	-	-	-	-
SHERMAN	-	-	-	-	-	-	-	-	-	-	-
TILLAMOOK	9	-	2	3	-	-	-	-	-	-	-
UMATILLA	51	-	69	18	-	29	14	-	-	-	-
UNION	1	19	5	8	-	-	-	-	-	-	-
WALLOWA	-	-	-	-	-	-	-	-	-	-	-
WASCO	7	75	2	24	-	-	-	18	-	-	-
WASHINGTON	248	90	137	216	111	23	73	43	193	33	12
WHEELER	-	-	-	-	-	-	-	-	-	-	-
YAMHILL	53	50	16	21	13	5	5	-	-	-	-

- Quantity is zero.

¹Injuries undetermined whether accidentally or purposely inflicted.

- Indicates no deaths occurring before age 65.

TABLE 6-26.
MEDIAN AGE AT DEATH BY SEX AND COUNTY OF RESIDENCE,
OREGON RESIDENTS, 1996

COUNTY OF RESIDENCE	TOTAL		MALE		FEMALE	
	NUMBER	MEDIAN	NUMBER	MEDIAN	NUMBER	MEDIAN
TOTAL	28,900	77	14,694	74	14,206	80
BAKER	182	78	90	75	92	80
BENTON	432	78	202	76	230	80
CLACKAMAS	2,442	78	1,243	74	1,199	81
CLATSOP	393	76	201	74	192	80
COLUMBIA	360	77	178	75	182	78
COOS	805	76	420	74	385	79
CROOK	178	77	98	76	80	79
CURRY	286	76	154	75	132	79
DESCHUTES	825	77	417	75	408	78
DOUGLAS	1,114	76	602	74	512	79
GILLIAM	20	82	11	76	9	86
GRANT	75	76	47	75	28	80
HARNEY	66	74	38	71	28	78
HOOD RIVER	158	80	82	76	76	83
JACKSON	1,808	78	966	75	842	81
JEFFERSON	160	70	92	67	68	78
JOSEPHINE	924	77	466	75	458	80
KLAMATH	578	76	301	73	277	79
LAKE	87	76	43	77	44	75
LANE	2,717	78	1,402	74	1,315	81
LINCOLN	545	76	286	74	259	79
LINN	998	78	512	75	486	81
MALHEUR	273	80	135	77	138	83
MARION	2,378	78	1,154	75	1,224	81
MORROW	66	76	37	74	29	79
MULTNOMAH	5,915	77	2,974	72	2,941	81
POLK	498	79	229	78	269	80
SHERMAN	24	77	15	76	9	77
TILLAMOOK	271	76	145	74	126	79
UMATILLA	613	77	319	73	294	81
UNION	237	79	134	76	103	82
WALLOWA	67	77	34	74	33	77
WASCO	271	79	136	75	135	82
WASHINGTON	2,494	78	1,217	74	1,277	80
WHEELER	22	78	15	78	7	75
YAMHILL	618	80	299	78	319	83

TABLE 6-27.
DEATHS BY COUNTY OF RESIDENCE BY RACE AND HISPANIC ETHNICITY,
OREGON RESIDENTS, 1996

COUNTY OF RESIDENCE	TOTAL	RACE							HISPANIC ²
		WHITE	AFRICAN AMERICAN	INDIAN	CHINESE	JAPANESE	OTHER ASIAN AND PACIFIC ISLANDER	OTHER NON-WHITE AND NOT STATED ¹	
TOTAL	28,900	28,010	364	235	61	60	119	51	374
BAKER	182	182	-	-	-	-	-	-	-
BENTON	432	426	-	1	3	-	1	1	3
CLACKAMAS	2,442	2,404	11	5	3	5	8	6	15
CLATSOP	393	390	-	1	2	-	-	-	4
COLUMBIA	360	358	1	1	-	-	-	-	2
COOS	805	794	-	10	-	1	-	-	4
CROOK	178	178	-	-	-	-	-	-	2
CURRY	286	283	2	-	-	-	1	-	3
DESCHUTES	825	817	3	4	-	-	1	-	5
DOUGLAS	1,114	1,099	1	13	-	-	1	-	5
GILLIAM	20	20	-	-	-	-	-	-	-
GRANT	75	75	-	-	-	-	-	-	-
HARNEY	66	66	-	-	-	-	-	-	1
HOOD RIVER	158	153	-	2	-	3	-	-	6
JACKSON	1,808	1,789	1	11	-	3	2	2	24
JEFFERSON	160	134	-	23	-	1	1	1	9
JOSEPHINE	924	917	-	6	-	-	1	-	12
KLAMATH	578	559	3	15	-	-	-	1	6
LAKE	87	86	-	1	-	-	-	-	2
LANE	2,717	2,683	10	12	2	2	3	5	24
LINCOLN	545	535	-	8	-	1	-	1	2
LINN	998	978	2	14	2	1	1	-	8
MALHEUR	273	258	1	1	-	13	-	-	17
MARION	2,378	2,336	7	20	3	4	5	3	70
MORROW	66	65	-	1	-	-	-	-	4
MULTNOMAH	5,915	5,423	302	42	39	21	64	24	79
POLK	498	494	2	2	-	-	-	-	4
SHERMAN	24	23	-	1	-	-	-	-	-
TILLAMOOK	271	268	-	3	-	-	-	-	-
UMATILLA	613	593	2	16	-	1	1	-	14
UNION	237	234	2	1	-	-	-	-	-
WALLOWA	67	66	-	1	-	-	-	-	-
WASCO	271	258	-	8	-	2	1	2	2
WASHINGTON	2,494	2,432	13	8	7	2	28	4	41
WHEELER	22	22	-	-	-	-	-	-	-
YAMHILL	618	612	1	4	-	-	-	1	6

¹ "Other non-white" includes groups where fewer than 50 deaths were recorded (e.g., Hawaiian, Filipino).

² Decedents are classified by race and ethnicity. Most Hispanic decedents are white (333) with the remainder belonging to other races.

TABLE 6-28.
ALL DEATHS AND MEDICAL EXAMINER'S CASES BY COUNTY OF OCCURRENCE,
AUTOPSY STATUS, AND MANNER OF DEATH, OREGON, 1996

COUNTY OF OCCURRENCE	TOTAL DEATHS	TOTAL DEATHS AUTOPSIED	PERCENT OF TOTAL DEATHS AUTOPSIED	M.E. CASES	M.E. CASES AUTOPSIED	PERCENT OF M.E. CASES AUTOPSIED
TOTAL	29,006	1,930	6.7	3,504	1,197	34.2
BAKER	169	5	3.0	30	4	13.3
BENTON	482	32	6.6	31	11	35.5
CLACKAMAS	2,384	155	6.5	247	102	41.3
CLATSOP	354	16	4.5	62	13	21.0
COLUMBIA	203	10	4.9	25	6	24.0
COOS	763	27	3.5	80	17	21.2
CROOK	163	4	2.5	39	4	10.3
CURRY	193	5	2.6	22	5	22.7
DESCHUTES	890	33	3.7	130	24	18.5
DOUGLAS	1,114	55	4.9	138	32	23.2
GILLIAM	15	1	6.7	7	1	14.3
GRANT	74	4	5.4	18	4	22.2
HARNEY	58	4	6.9	18	4	22.2
HOOD RIVER	154	3	1.9	17	1	5.9
JACKSON	1,848	78	4.2	180	51	28.3
JEFFERSON	136	6	4.4	31	5	16.1
JOSEPHINE	896	53	5.9	114	47	41.2
KLAMATH	598	39	6.5	105	33	31.4
LAKE	72	6	8.3	16	5	31.3
LANE	2,768	176	6.4	264	112	42.4
LINCOLN	480	18	3.7	68	10	14.7
LINN	872	44	5.0	108	29	26.9
MALHEUR	295	13	4.4	34	8	23.5
MARION	2,384	153	6.4	235	124	52.8
MORROW	36	3	8.3	8	3	37.5
MULTNOMAH	6,886	715	10.4	929	371	39.9
POLK	363	18	5.0	45	15	33.3
SHERMAN	13	1	7.7	5	1	20.0
TILLAMOOK	232	13	5.6	40	12	30.0
UMATILLA	509	26	5.1	79	22	27.8
UNION	225	7	3.1	36	6	16.7
WALLOWA	66	1	1.5	10	1	10.0
WASCO	273	15	5.5	31	11	35.5
WASHINGTON	2,448	165	6.7	240	83	34.6
WHEELER	5	0	0.0	1	0	0.0
YAMHILL	585	26	4.4	61	20	32.8
MANNER OF DEATH						
NATURAL	26,907	1,257	4.7	1,612	531	32.9
ACCIDENT	1,331	385	28.9	1,124	378	33.6
SUICIDE	536	78	14.6	536	78	14.6
HOMICIDE	161	153	95.0	161	153	95.0
UNDETERMINED	71	57	80.3	71	57	80.3

**TABLE 6-29.
DEATHS OCCURRING IN OREGON BY DISPOSAL OF REMAINS
AND COUNTY OF RESIDENCE, 1996**

COUNTY OF RESIDENCE	TOTAL		BURIAL		CREMATION		MAUSOLEUM		REMOVAL*		OTHER	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
TOTAL	29,006	100	11,659	40	13,924	48	1,234	4	2,052	7	137	0
BAKER	169	100	92	54	56	33	-	-	21	12	-	-
BENTON	429	100	140	33	253	59	13	3	21	5	2	0
CLACKAMAS	2,389	100	967	40	1,124	47	159	7	123	5	16	1
CLATSOP	376	100	140	37	207	55	8	2	19	5	2	1
COLUMBIA	289	100	147	51	115	40	6	2	21	7	-	-
COOS	784	100	287	37	457	58	10	1	29	4	1	0
CROOK	176	100	103	59	66	38	1	1	6	3	-	-
CURRY	231	100	59	26	166	72	-	-	6	3	-	-
DESCHUTES	805	100	278	35	459	57	16	2	45	6	7	1
DOUGLAS	1,085	100	411	38	626	58	9	1	35	3	4	0
GILLIAM	20	100	10	50	9	45	-	-	1	5	-	-
GRANT	74	100	51	69	22	30	-	-	1	1	-	-
HARNEY	64	100	46	72	18	28	-	-	-	-	-	-
HOOD RIVER	152	100	67	44	68	45	7	5	10	7	-	-
JACKSON	1,771	100	610	34	1,006	57	51	3	103	6	1	0
JEFFERSON	159	100	87	55	67	42	1	1	4	3	-	-
JOSEPHINE	909	100	317	35	517	57	17	2	57	6	1	0
KLAMATH	562	100	230	41	290	52	12	2	30	5	-	-
LAKE	83	100	35	42	46	55	-	-	1	1	1	1
LANE	2,683	100	1,031	38	1,448	54	97	4	94	4	13	0
LINCOLN	535	100	156	29	336	63	19	4	23	4	1	0
LINN	982	100	510	52	408	42	24	2	36	4	4	0
MALHEUR	234	100	137	59	19	8	-	-	78	33	-	-
MARION	2,327	100	1,025	44	1,034	44	137	6	110	5	21	1
MORROW	61	100	33	54	24	39	-	-	4	7	-	-
MULTNOMAH	5,793	100	2,335	40	2,629	45	425	7	367	6	37	1
POLK	491	100	212	43	234	48	18	4	26	5	1	0
SHERMAN	21	100	14	67	7	33	-	-	-	-	-	-
TILLAMOOK	266	100	102	38	146	55	7	3	6	2	5	2
UMATILLA	497	100	273	55	148	30	3	1	73	15	-	-
UNION	221	100	135	61	56	25	2	1	28	13	-	-
WALLOWA	64	100	37	58	8	13	-	-	19	30	-	-
WASCO	263	100	124	47	115	44	8	3	16	6	-	-
WASHINGTON	2,446	100	989	40	1,158	47	130	5	155	6	14	1
WHEELER	22	100	12	55	6	27	1	5	3	14	-	-
YAMHILL	606	100	291	48	236	39	47	8	28	5	4	1
OUT-OF-STATE	967	100	166	17	340	35	6	1	453	47	2	0

*Removal out-of-state.

- Quantity is zero.

TABLE 6-30.
DEATHS DUE TO UNINTENDED INJURY BY PRINCIPAL
CLASSES AND COUNTY OF RESIDENCE, OREGON, 1996

COUNTY OF RESIDENCE	TOTAL UNINTENDED INJURIES	DEATH RATE ¹	MOTOR VEHICLE	HOME	OCCUPATIONAL	PUBLIC	UNCLASSIFIED
TOTAL	1,295	40.7	531	330	33	317	84
BAKER	8	48.5	3	1	-	3	1
BENTON	13	17.1	4	3	-	5	1
CLACKAMAS	107	34.2	47	28	-	24	8
CLATSOP	17	49.1	7	3	1	6	-
COLUMBIA	12	29.9	6	2	-	2	2
COOS	45	72.9	29	3	1	12	-
CROOK	15	94.3	6	2	2	3	2
CURRY	9	40.9	4	1	-	4	-
DESCHUTES	42	42.9	22	10	2	6	2
DOUGLAS	65	65.9	31	13	2	17	2
GILLIAM	-	-	-	-	-	-	-
GRANT	1	12.3	1	-	-	-	-
HARNEY	3	40.0	2	-	-	1	-
HOOD RIVER	4	21.1	3	1	-	-	-
JACKSON	63	37.5	26	8	1	23	5
JEFFERSON	18	106.5	15	2	-	1	-
JOSEPHINE	38	52.8	19	12	-	3	4
KLAMATH	24	39.0	15	4	-	5	-
LAKE	5	66.2	2	1	1	1	-
LANE	103	33.7	31	36	3	24	9
LINCOLN	30	71.1	11	3	4	10	2
LINN	35	35.0	14	12	1	7	1
MALHEUR	14	48.8	6	3	-	4	1
MARION	107	40.7	42	32	6	21	6
MORROW	6	66.7	5	-	1	-	-
MULTNOMAH	268	42.1	83	86	4	73	22
POLK	23	40.9	5	10	2	5	1
SHERMAN	2	105.3	-	1	-	1	-
TILLAMOOK	15	63.0	8	4	-	2	1
UMATILLA	31	47.3	18	4	-	4	5
UNION	11	44.9	4	-	-	7	-
WALLOWA	3	41.4	1	2	-	-	-
WASCO	16	71.1	5	3	2	5	1
WASHINGTON	118	31.3	45	34	-	31	8
WHEELER	1	62.5	-	-	-	1	-
YAMHILL	23	29.7	11	6	-	6	-

- Quantity is zero.

¹ Rate per 100,000 population.

NOTE: The classes listed above are based on the National Safety Council classification system. Deaths from injuries that occurred at work and that involved transport vehicles (e.g., cars and airplanes) are included in the appropriate transportation category, not the occupational category.

See Table 6-14 for a breakdown of all deaths resulting from injuries received at work.

**TABLE 6-31.
UNINTENTIONAL INJURY DEATHS FOR SELECTED
CAUSES, BY COUNTY OF INJURY, OREGON, 1996**

COUNTY OF INJURY	TOTAL UNINTENTIONAL INJURIES	MOTOR VEHICLE	FALLS	POISONING	DROWNING	WATERCRAFT	FIRES	OTHER
TOTAL	1,179	543	221	145	50	13	41	166
BAKER	8	6	1	-	1	-	-	-
BENTON	12	4	2	1	-	-	-	5
CLACKAMAS	88	46	11	8	5	1	1	16
CLATSOP	18	10	4	1	1	1	-	1
COLUMBIA	10	6	1	1	-	-	-	2
COOS	29	14	8	1	-	2	-	4
CROOK	13	7	1	1	1	1	-	2
CURRY	6	1	2	1	-	-	-	2
DESCHUTES	33	19	9	2	-	1	2	-
DOUGLAS	72	42	6	2	3	2	2	15
GILLIAM	3	3	-	-	-	-	-	-
GRANT	4	3	-	-	-	-	-	1
HARNEY	10	8	1	-	-	-	-	1
HOOD RIVER	6	3	3	-	-	-	-	-
JACKSON	51	23	18	1	2	-	1	6
JEFFERSON	17	13	-	-	1	-	-	3
JOSEPHINE	40	22	7	6	1	-	-	4
KLAMATH	30	18	1	4	1	2	1	3
LAKE	6	2	2	-	-	-	-	2
LANE	100	39	22	18	3	-	1	17
LINCOLN	28	11	4	3	5	-	-	5
LINN	40	16	6	2	3	-	5	8
MALHEUR	15	9	3	-	-	-	1	2
MARION	100	37	28	13	6	-	3	13
MORROW	5	5	-	-	-	-	-	-
MULTNOMAH	221	72	46	67	8	2	6	20
POLK	29	17	3	1	2	-	3	3
SHERMAN	3	3	-	-	-	-	-	-
TILLAMOOK	19	9	2	-	1	-	1	6
UMATILLA	24	12	3	1	1	-	1	6
UNION	11	7	1	-	2	1	-	-
WALLOWA	5	2	-	1	-	-	1	1
WASCO	13	6	2	-	1	-	-	4
WASHINGTON	81	30	19	7	2	-	12	11
WHEELER	1	-	-	-	-	-	-	1
YAMHILL	28	18	5	3	-	-	-	2

- Quantity is zero.

TABLE 6-32. DEATHS BY SELECTED CAUSES BY CITY, OREGON RESIDENTS, 1996

SELECTED CAUSES OF DEATH	OREGON NUMBER	OREGON RATE ¹	CITY OF RESIDENCE					
			PORTLAND		EUGENE		SALEM	
			NO.	RATE	NO.	RATE	NO.	RATE
TOTAL	28,900	908.5	4,882	970.6	1,148	908.8	1,349	1116.4
TUBERCULOSIS (010-018, 137)	14	0.4	5	1.0	-	-	1	0.8
SEPTICEMIA (038)	106	3.3	14	2.8	1	0.8	7	5.8
AIDS (042-044)	223	7.0	111	22.1	8	6.3	9	7.4
VIRAL HEPATITIS (070)	50	1.6	9	1.8	1	0.8	4	3.3
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	80	2.5	14	2.8	3	2.4	5	4.1
MALIGNANT NEOPLASMS (140-208)	6,784	213.3	1,085	215.7	255	201.9	299	247.4
BUCCAL CAVITY & PHARYNX (140-149)	86	2.7	19	3.8	2	1.6	5	4.1
DIGESTIVE ORGANS & PERITONEUM (150-159)	1,499	47.1	238	47.3	61	48.3	62	51.3
LARGE INTESTINE (153)	556	17.5	96	19.1	22	17.4	29	24.0
PANCREAS (157)	354	11.1	47	9.3	17	13.5	10	8.3
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	2,070	65.1	338	67.2	61	48.3	97	80.3
BRONCHUS AND LUNG (162.2-162.9)	2,000	62.9	322	64.0	59	46.7	95	78.6
MALIGNANT MELANOMA (172)	103	3.2	12	2.4	6	4.7	5	4.1
OTHER SKIN (173)	31	1.0	4	0.8	2	1.6	3	2.5
BREAST (174-175)	518	16.3	80	15.9	11	8.7	28	23.2
GENITAL ORGANS (179-187)	818	25.7	116	23.1	30	23.7	35	29.0
CERVIX & UTERUS (179-182)	127	4.0	16	3.2	7	5.5	8	6.6
OVARY (183.0)	160	5.0	21	4.2	6	4.7	8	6.6
PROSTATE (185)	505	15.9	75	14.9	17	13.5	18	14.9
URINARY ORGANS (188-189)	300	9.4	54	10.7	13	10.3	13	10.8
LEUKEMIA (204-208)	281	8.8	42	8.3	14	11.1	12	9.9
BENIGN NEOPLASMS (210-229)	22	0.7	5	1.0	-	-	1	0.8
IN SITU, UNCERT. BEHAV. & UNSPEC. NATURE NEOPL. (230-239)	59	1.9	12	2.4	3	2.4	2	1.7
DIABETES MELLITUS (250)	739	23.2	124	24.7	26	20.6	37	30.6
NUTRITIONAL DEFICIENCIES (260-269)	32	1.0	7	1.4	2	1.6	2	1.7
ANEMIAS (280-285)	52	1.6	8	1.6	4	3.2	-	-
ALZHEIMER'S DEMENTIA (290.1)	311	9.8	45	8.9	25	19.8	11	9.1
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	119	3.7	37	7.4	2	1.6	5	4.1
DRUG DEPENDENCE (304)	26	0.8	13	2.6	-	-	6	5.0
MENINGITIS (320-322)	5	0.2	1	0.2	-	-	-	-
ALZHEIMER'S DISEASE (331.0)	429	13.5	65	12.9	22	17.4	18	14.9
PARKINSON'S DISEASE (332)	236	7.4	42	8.3	12	9.5	3	2.5
EPILEPSY (345)	12	0.4	2	0.4	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	11,142	350.3	1,774	352.7	419	331.7	556	460.1
DISEASES OF THE HEART (390-398, 402, 404-429)	7,688	241.7	1,231	244.7	269	212.9	342	283.0
RHEUMATIC FEVER & CHRONIC RHEUM. HEART DIS. (390-398)	88	2.8	13	2.6	2	1.6	5	4.1
HYPERTENSIVE HEART DISEASE W/WO RENAL DIS.(402, 404)	245	7.7	42	8.3	9	7.1	16	13.2
ISCHEMIC HEART DISEASE (410-414)	5,201	163.5	827	164.4	171	135.4	218	180.4
MYOCARDIAL INFARCTION (410)	2,067	65.0	306	60.8	58	45.9	100	82.8
OTHER ACUTE & SUBACUTE (411)	11	0.3	2	0.4	2	1.6	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	3,123	98.2	519	103.2	111	87.9	118	97.7
ALL OTHER FORMS (415-429)	2,154	67.7	349	69.4	87	68.9	103	85.2
HYPERTENSION (401, 403)	194	6.1	50	9.9	8	6.3	14	11.6
CEREBROVASCULAR DISEASE (430-438)	2,632	82.7	416	82.7	107	84.7	171	141.5
SUBARACHNOID HEMORRHAGE (430)	102	3.2	16	3.2	6	4.7	7	5.8
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	325	10.2	54	10.7	13	10.3	12	9.9
CEREBRAL THROMBOSIS & EMBOLISM (434)	312	9.8	25	5.0	12	9.5	85	70.3
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	1,506	47.3	255	50.7	56	44.3	52	43.0
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	185	5.8	20	4.0	11	8.7	6	5.0
ARTERIOSCLEROSIS (440)	256	8.0	32	6.4	14	11.1	9	7.4
OTHER DIS. OF ARTERIES, ARTERIOLES & CAPILLARIES (441-448)	372	11.7	45	8.9	21	16.6	20	16.6
VENOUS THROMBOSIS & EMBOLISM (451-453)	13	0.4	2	0.4	1	0.8	1	0.8
PNEUMONIA (480-486)	936	29.4	182	36.2	35	27.7	26	21.5
INFLUENZA (487)	10	0.3	-	-	-	-	2	1.7
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	1,676	52.7	266	52.9	74	58.6	80	66.2
GASTRIC, DUODENAL, AND PEPTIC ULCER (531-533)	49	1.5	9	1.8	3	2.4	3	2.5
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	83	2.6	9	1.8	5	4.0	6	5.0
CIRRHOSIS OF THE LIVER (571)	328	10.3	85	16.9	6	4.7	14	11.6
ALCOHOLIC CIRRHOSIS (571.0-571.3)	276	8.7	79	15.7	5	4.0	11	9.1
DISEASES OF THE GALLBLADDER (574-576)	57	1.8	9	1.8	4	3.2	1	0.8
NEPHRITIS & NEPHROSIS (580-589)	153	4.8	30	6.0	6	4.7	5	4.1
INFECTIONS OF THE KIDNEY (590)	14	0.4	4	0.8	1	0.8	1	0.8
DISEASES OF MALE GENITAL ORGANS (600-608)	18	0.6	3	0.6	1	0.8	-	-
DISEASES OF FEMALE GENITAL ORGANS (614-629)	4	0.1	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, ETC. (630-676)	2	0.1	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	143	4.5	37	7.4	3	2.4	6	5.0
CERTAIN CAUSES IN EARLY INFANCY (760-779)	95	3.0	13	2.6	5	4.0	8	6.6
SUDDEN INFANT DEATH SYNDROME (798.0)	47	1.5	4	0.8	1	0.8	5	4.1
UNINTENTIONAL INJURIES (800-949)	1,295	40.7	222	44.1	50	39.6	59	48.8
MOTOR VEHICLE-RELATED (810-825)	531	16.7	65	12.9	14	11.1	22	18.2
SUICIDES (950-959)	533	16.8	90	17.9	21	16.6	23	19.0
HOMICIDES (960-978)	152	4.8	45	8.9	1	0.8	8	6.6
INJURIES OF UNDETERMINED MANNER (980-989)	73	2.3	27	5.4	5	4.0	7	5.8

- Quantity is zero.

¹ Rate per 100,000 population.

TABLE 6-33. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1996

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	BAKER		BENTON		CLACKAMAS		CLATSOP	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
TOTAL	182	1103.0	432	568.4	2,442	779.7	393	1135.8
TUBERCULOSIS (010-018, 137)	-	-	-	-	1	0.3	-	-
SEPTICEMIA (038)	1	6.1	-	-	8	2.6	1	2.9
AIDS (042-044)	1	6.1	2	2.6	10	3.2	1	2.9
VIRAL HEPATITIS (070)	-	-	-	-	5	1.6	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	1	6.1	3	3.9	13	4.2	-	-
MALIGNANT NEOPLASMS (140-208)	43	260.6	105	138.2	588	187.7	103	297.7
BUCCAL CAVITY & PHARYNX (140-149)	1	6.1	-	-	5	1.6	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	7	42.4	22	28.9	128	40.9	22	63.6
LARGE INTESTINE (153)	5	30.3	8	10.5	48	15.3	9	26.0
PANCREAS (157)	1	6.1	5	6.6	32	10.2	6	17.3
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	11	66.7	41	53.9	184	58.7	31	89.6
BRONCHUS AND LUNG (162.2-162.9)	11	66.7	38	50.0	179	57.2	26	75.1
MALIGNANT MELANOMA (172)	1	6.1	1	1.3	7	2.2	2	5.8
OTHER SKIN (173)	-	-	1	1.3	3	1.0	1	2.9
BREAST (174-175)	4	24.2	13	17.1	47	15.0	12	34.7
GENITAL ORGANS (179-187)	8	48.5	9	11.8	60	19.2	12	34.7
CERVIX & UTERUS (179-182)	3	18.2	-	-	9	2.9	2	5.8
OVARY (183.0)	-	-	2	2.6	10	3.2	2	5.8
PROSTATE (185)	5	30.3	6	7.9	39	12.5	8	23.1
URINARY ORGANS (188-189)	1	6.1	1	1.3	23	7.3	6	17.3
LEUKEMIA (204-208)	3	18.2	4	5.3	30	9.6	3	8.7
BENIGN NEOPLASMS (210-229)	-	-	2	2.6	2	0.6	-	-
IN SITU, UNCERT. BEHAV. & UNSPEC. NATURE NEOPL. (230-239)	-	-	1	1.3	7	2.2	-	-
DIABETES MELLITUS (250)	6	36.4	12	15.8	65	20.8	8	23.1
NUTRITIONAL DEFICIENCIES (260-269)	-	-	-	-	2	0.6	1	2.9
ANEMIAS (280-285)	-	-	3	3.9	6	1.9	2	5.8
ALZHEIMER'S DEMENTIA (290.1)	1	6.1	1	1.3	25	8.0	2	5.8
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	2	12.1	2	2.6	4	1.3	1	2.9
DRUG DEPENDENCE (304)	-	-	-	-	1	0.3	-	-
MENINGITIS (320-322)	-	-	-	-	1	0.3	-	-
ALZHEIMER'S DISEASE (331.0)	4	24.2	8	10.5	39	12.5	6	17.3
PARKINSON'S DISEASE (332)	-	-	-	-	26	8.3	6	17.3
EPILEPSY (345)	-	-	-	-	2	0.6	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	67	406.1	179	235.5	969	309.4	155	448.0
DISEASES OF THE HEART (390-398, 402, 404-429)	58	351.5	114	150.0	677	216.2	111	320.8
RHEUMATIC FEVER & CHRONIC RHEUM. HEART DIS. (390-398)	-	-	-	-	11	3.5	-	-
HYPERTENSIVE HEART DISEASE W/WO RENAL DIS.(402, 404)	-	-	6	7.9	20	6.4	1	2.9
ISCHEMIC HEART DISEASE (410-414)	42	254.5	74	97.4	450	143.7	90	260.1
MYOCARDIAL INFARCTION (410)	19	115.2	30	39.5	172	54.9	21	60.7
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	1	0.3	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	23	139.4	44	57.9	277	88.4	69	199.4
ALL OTHER FORMS (415-429)	16	97.0	34	44.7	196	62.6	20	57.8
HYPERTENSION (401, 403)	1	6.1	2	2.6	18	5.7	2	5.8
CEREBROVASCULAR DISEASE (430-438)	5	30.3	57	75.0	215	68.6	35	101.2
SUBARACHNOID HEMORRHAGE (430)	-	-	-	-	11	3.5	3	8.7
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	1	6.1	7	9.2	29	9.3	4	11.6
CEREBRAL THROMBOSIS & EMBOLISM (434)	-	-	8	10.5	9	2.9	2	5.8
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	4	24.2	31	40.8	130	41.5	19	54.9
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	-	-	6	7.9	22	7.0	6	17.3
ARTERIOSCLEROSIS (440)	3	18.2	1	1.3	24	7.7	5	14.5
OTHER DIS. OF ARTERIES, ARTERIOLES & CAPILLARIES (441-448)	-	-	5	6.6	35	11.2	2	5.8
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	1	0.3	-	-
PNEUMONIA (480-486)	7	42.4	16	21.1	84	26.8	17	49.1
INFLUENZA (487)	-	-	-	-	1	0.3	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	15	90.9	32	42.1	120	38.3	15	43.4
GASTRIC, DUODENAL, AND PEPTIC ULCER (531-533)	-	-	-	-	3	1.0	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	1	6.1	1	1.3	4	1.3	4	11.6
CIRRHOSIS OF THE LIVER (571)	2	12.1	2	2.6	33	10.5	11	31.8
ALCOHOLIC CIRRHOSIS (571.0-571.3)	2	12.1	2	2.6	22	7.0	11	31.8
DISEASES OF THE GALLBLADDER (574-576)	-	-	-	-	6	1.9	-	-
NEPHRITIS & NEPHROSIS (580-589)	-	-	1	1.3	11	3.5	5	14.5
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	2	0.6	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	1	0.3	-	-
DISEASES OF FEMALE GENITAL ORGANS (614-629)	-	-	1	1.3	1	0.3	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, ETC. (630-676)	-	-	-	-	1	0.3	-	-
CONGENITAL ANOMALIES (740-759)	-	-	3	3.9	12	3.8	3	8.7
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	-	-	9	2.9	1	2.9
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	-	-	4	1.3	-	-
UNINTENTIONAL INJURIES (800-949)	8	48.5	13	17.1	107	34.2	17	49.1
MOTOR VEHICLE-RELATED (810-825)	3	18.2	4	5.3	47	15.0	7	20.2
SUICIDES (950-959)	4	24.2	5	6.6	60	19.2	9	26.0
HOMICIDES (960-978)	-	-	1	1.3	8	2.6	-	-
INJURIES OF UNDETERMINED MANNER (980-989)	-	-	-	-	5	1.6	1	2.9

- Quantity is zero.

Rates per 100,000 population.

TABLE 6-33. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1996 (CONTINUED)

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	COLUMBIA		COOS		CROOK		CURRY	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
TOTAL	360	897.8	805	1304.7	178	1119.5	286	1300.0
TUBERCULOSIS (010-018, 137)	-	-	1	1.6	-	-	-	-
SEPTICEMIA (038)	-	-	4	6.5	-	-	3	13.6
AIDS (042-044)	-	-	-	-	1	6.3	-	-
VIRAL HEPATITIS (070)	-	-	1	1.6	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	1	2.5	1	1.6	1	6.3	-	-
MALIGNANT NEOPLASMS (140-208)	93	231.9	222	359.8	41	257.9	83	377.3
BUCCAL CAVITY & PHARYNX (140-149)	-	-	3	4.9	-	-	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	19	47.4	57	92.4	14	88.1	11	50.0
LARGE INTESTINE (153)	9	22.4	17	27.6	4	25.2	2	9.1
PANCREAS (157)	4	10.0	15	24.3	7	44.0	3	13.6
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	32	79.8	80	129.7	9	56.6	25	113.6
BRONCHUS AND LUNG (162.2-162.9)	32	79.8	76	123.2	9	56.6	25	113.6
MALIGNANT MELANOMA (172)	4	10.0	5	8.1	2	12.6	2	9.1
OTHER SKIN (173)	1	2.5	1	1.6	-	-	-	-
BREAST (174-175)	5	12.5	12	19.4	3	18.9	7	31.8
GENITAL ORGANS (179-187)	11	27.4	18	29.2	5	31.4	17	77.3
CERVIX & UTERUS (179-182)	2	5.0	3	4.9	-	-	3	13.6
OVARY (183.0)	1	2.5	5	8.1	-	-	4	18.2
PROSTATE (185)	7	17.5	10	16.2	5	31.4	9	40.9
URINARY ORGANS (188-189)	6	15.0	5	8.1	1	6.3	5	22.7
LEUKEMIA (204-208)	3	7.5	6	9.7	2	12.6	1	4.5
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	-	-
IN SITU, UNCERT. BEHAV. & UNSPEC. NATURE NEOPL. (230-239)	1	2.5	2	3.2	-	-	-	-
DIABETES MELLITUS (250)	13	32.4	28	45.4	5	31.4	9	40.9
NUTRITIONAL DEFICIENCIES (260-269)	1	2.5	-	-	-	-	-	-
ANEMIAS (280-285)	2	5.0	-	-	-	-	-	-
ALZHEIMER'S DEMENTIA (290.1)	4	10.0	7	11.3	-	-	2	9.1
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	1	2.5	1	1.6	1	6.3	2	9.1
DRUG DEPENDENCE (304)	-	-	1	1.6	-	-	-	-
MENINGITIS (320-322)	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331.0)	8	20.0	19	30.8	-	-	7	31.8
PARKINSON'S DISEASE (332)	6	15.0	3	4.9	-	-	1	4.5
EPILEPSY (345)	-	-	-	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	133	331.7	280	453.8	75	471.7	97	440.9
DISEASES OF THE HEART (390-398, 402, 404-429)	97	241.9	194	314.4	56	352.2	76	345.5
RHEUMATIC FEVER & CHRONIC RHEUM. HEART DIS. (390-398)	-	-	3	4.9	2	12.6	-	-
HYPERTENSIVE HEART DISEASE W/WO RENAL DIS. (402, 404)	2	5.0	2	3.2	2	12.6	1	4.5
ISCHEMIC HEART DISEASE (410-414)	61	152.1	144	233.4	32	201.3	46	209.1
MYOCARDIAL INFARCTION (410)	28	69.8	58	94.0	8	50.3	32	145.5
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	33	82.3	86	139.4	24	150.9	14	63.6
ALL OTHER FORMS (415-429)	34	84.8	45	72.9	20	125.8	29	131.8
HYPERTENSION (401, 403)	2	5.0	4	6.5	-	-	-	-
CEREBROVASCULAR DISEASE (430-438)	25	62.3	60	97.2	7	44.0	14	63.6
SUBARACHNOID HEMORRHAGE (430)	-	-	4	6.5	-	-	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	-	-	6	9.7	1	6.3	1	4.5
CEREBRAL THROMBOSIS & EMBOLISM (434)	1	2.5	5	8.1	1	6.3	1	4.5
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	18	44.9	37	60.0	4	25.2	12	54.5
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	4	10.0	2	3.2	-	-	-	-
ARTERIOSCLEROSIS (440)	1	2.5	9	14.6	9	56.6	5	22.7
OTHER DIS. OF ARTERIES, ARTERIOLES & CAPILLARIES (441-448)	8	20.0	13	21.1	3	18.9	2	9.1
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	-	-	-	-
PNEUMONIA (480-486)	10	24.9	19	30.8	7	44.0	8	36.4
INFLUENZA (487)	-	-	-	-	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	22	54.9	48	77.8	9	56.6	24	109.1
GASTRIC, DUODENAL, AND PEPTIC ULCER (531-533)	1	2.5	1	1.6	-	-	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	-	-	-	-	-	-	2	9.1
CIRRHOSIS OF THE LIVER (571)	4	10.0	11	17.8	-	-	4	18.2
ALCOHOLIC CIRRHOSIS (571.0-571.3)	2	5.0	8	13.0	-	-	4	18.2
DISEASES OF THE GALLBLADDER (574-576)	-	-	1	1.6	-	-	-	-
NEPHRITIS & NEPHROSIS (580-589)	1	2.5	5	8.1	-	-	1	4.5
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, ETC. (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	1	2.5	4	6.5	1	6.3	3	13.6
CERTAIN CAUSES IN EARLY INFANCY (760-779)	1	2.5	1	1.6	-	-	1	4.5
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	1	1.6	-	-	-	-
UNINTENTIONAL INJURIES (800-949)	12	29.9	45	72.9	15	94.3	9	40.9
MOTOR VEHICLE-RELATED (810-825)	6	15.0	29	47.0	6	37.7	4	18.2
SUICIDES (950-959)	6	15.0	17	27.6	3	18.9	7	31.8
HOMICIDES (960-978)	1	2.5	5	8.1	2	12.6	1	4.5
INJURIES OF UNDETERMINED MANNER (980-989)	2	5.0	1	1.6	1	6.3	-	-

- Quantity is zero.

Rates per 100,000 population.

TABLE 6-33. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1996 (CONTINUED)

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	DESCHUTES		DOUGLAS		GILLIAM		GRANT	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
TOTAL	825	841.8	1,114	1129.8	20	1052.6	75	925.9
TUBERCULOSIS (010-018, 137)	-	-	1	1.0	-	-	-	-
SEPTICEMIA (038)	1	1.0	5	5.1	-	-	1	12.3
AIDS (042-044)	1	1.0	8	8.1	-	-	-	-
VIRAL HEPATITIS (070)	2	2.0	4	4.1	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	1	1.0	2	2.0	-	-	-	-
MALIGNANT NEOPLASMS (140-208)	200	204.1	284	288.0	4	210.5	22	271.6
BUCCAL CAVITY & PHARYNX (140-149)	4	4.1	3	3.0	-	-	1	12.3
DIGESTIVE ORGANS & PERITONEUM (150-159)	51	52.0	52	52.7	2	105.3	4	49.4
LARGE INTESTINE (153)	13	13.3	20	20.3	1	52.6	4	49.4
PANCREAS (157)	14	14.3	13	13.2	1	52.6	-	-
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	54	55.1	101	102.4	1	52.6	9	111.1
BRONCHUS AND LUNG (162.2-162.9)	53	54.1	98	99.4	1	52.6	9	111.1
MALIGNANT MELANOMA (172)	8	8.2	1	1.0	1	52.6	-	-
OTHER SKIN (173)	1	1.0	1	1.0	-	-	-	-
BREAST (174-175)	16	16.3	19	19.3	-	-	2	24.7
GENITAL ORGANS (179-187)	26	26.5	35	35.5	-	-	1	12.3
CERVIX & UTERUS (179-182)	5	5.1	6	6.1	-	-	-	-
OVARY (183.0)	6	6.1	9	9.1	-	-	-	-
PROSTATE (185)	15	15.3	18	18.3	-	-	1	12.3
URINARY ORGANS (188-189)	11	11.2	11	11.2	-	-	1	12.3
LEUKEMIA (204-208)	2	2.0	19	19.3	-	-	-	-
BENIGN NEOPLASMS (210-229)	-	-	1	1.0	-	-	-	-
IN SITU, UNCERT. BEHAV. & UNSPEC. NATURE NEOPL. (230-239)	4	4.1	-	-	-	-	-	-
DIABETES MELLITUS (250)	16	16.3	32	32.5	1	52.6	2	24.7
NUTRITIONAL DEFICIENCIES (260-269)	2	2.0	1	1.0	1	52.6	-	-
ANEMIAS (280-285)	1	1.0	2	2.0	-	-	-	-
ALZHEIMER'S DEMENTIA (290.1)	5	5.1	16	16.2	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	3	3.1	2	2.0	-	-	2	24.7
DRUG DEPENDENCE (304)	-	-	1	1.0	-	-	-	-
MENINGITIS (320-322)	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331.0)	5	5.1	15	15.2	-	-	-	-
PARKINSON'S DISEASE (332)	8	8.2	7	7.1	1	52.6	1	12.3
EPILEPSY (345)	-	-	1	1.0	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	336	342.9	412	417.8	9	473.7	24	296.3
DISEASES OF THE HEART (390-398, 402, 404-429)	241	245.9	310	314.4	6	315.8	18	222.2
RHEUMATIC FEVER & CHRONIC RHEUM. HEART DIS. (390-398)	1	1.0	2	2.0	-	-	-	-
HYPERTENSIVE HEART DISEASE W/WO RENAL DIS. (402, 404)	4	4.1	10	10.1	-	-	1	12.3
ISCHEMIC HEART DISEASE (410-414)	175	178.6	212	215.0	2	105.3	10	123.5
MYOCARDIAL INFARCTION (410)	46	46.9	86	87.2	1	52.6	9	111.1
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	129	131.6	126	127.8	1	52.6	1	12.3
ALL OTHER FORMS (415-429)	61	62.2	86	87.2	4	210.5	7	86.4
HYPERTENSION (401, 403)	4	4.1	3	3.0	-	-	-	-
CEREBROVASCULAR DISEASE (430-438)	78	79.6	77	78.1	3	157.9	6	74.1
SUBARACHNOID HEMORRHAGE (430)	4	4.1	1	1.0	-	-	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	12	12.2	10	10.1	-	-	1	12.3
CEREBRAL THROMBOSIS & EMBOLISM (434)	2	2.0	5	5.1	-	-	-	-
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	46	46.9	49	49.7	3	157.9	3	37.0
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	10	10.2	8	8.1	-	-	-	-
ARTERIOSCLEROSIS (440)	6	6.1	8	8.1	-	-	-	-
OTHER DIS. OF ARTERIES, ARTERIOLES & CAPILLARIES (441-448)	7	7.1	14	14.2	-	-	-	-
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	-	-	1	12.3
PNEUMONIA (480-486)	24	24.5	29	29.4	1	52.6	6	74.1
INFLUENZA (487)	1	1.0	-	-	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	53	54.1	73	74.0	-	-	5	61.7
GASTRIC, DUODENAL, AND PEPTIC ULCER (531-533)	2	2.0	4	4.1	-	-	1	12.3
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	1	1.0	1	1.0	-	-	-	-
CIRRHOSIS OF THE LIVER (571)	9	9.2	17	17.2	-	-	-	-
ALCOHOLIC CIRRHOSIS (571.0-571.3)	8	8.2	16	16.2	-	-	-	-
DISEASES OF THE GALLBLADDER (574-576)	1	1.0	3	3.0	-	-	-	-
NEPHRITIS & NEPHROSIS (580-589)	3	3.1	3	3.0	-	-	1	12.3
INFECTIONS OF THE KIDNEY (590)	-	-	1	1.0	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	1	1.0	1	1.0	-	-	-	-
DISEASES OF FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, ETC. (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	-	-	2	2.0	-	-	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779)	4	4.1	4	4.1	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	2	2.0	-	-	-	-	-	-
UNINTENTIONAL INJURIES (800-949)	42	42.9	65	65.9	-	-	1	12.3
MOTOR VEHICLE-RELATED (810-825)	22	22.4	31	31.4	-	-	1	12.3
SUICIDES (950-959)	15	15.3	25	25.4	1	52.6	1	12.3
HOMICIDES (960-978)	1	1.0	4	4.1	-	-	-	-
INJURIES OF UNDETERMINED MANNER (980-989)	3	3.1	-	-	-	-	-	-

- Quantity is zero.

Rates per 100,000 population.

TABLE 6-33. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1996 (CONTINUED)

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	HARNEY		HOOD RIVER		JACKSON		JEFFERSON	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
TOTAL	66	880.0	158	831.6	1,808	1076.2	160	946.7
TUBERCULOSIS (010-018, 137)	-	-	-	-	-	-	-	-
SEPTICEMIA (038)	1	13.3	3	15.8	3	1.8	1	5.9
AIDS (042-044)	-	-	1	5.3	3	1.8	1	5.9
VIRAL HEPATITIS (070)	-	-	1	5.3	4	2.4	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	-	-	-	-	6	3.6	1	5.9
MALIGNANT NEOPLASMS (140-208)	14	186.7	37	194.7	438	260.7	29	171.6
BUCCAL CAVITY & PHARYNX (140-149)	1	13.3	1	5.3	7	4.2	1	5.9
DIGESTIVE ORGANS & PERITONEUM (150-159)	2	26.7	8	42.1	81	48.2	4	23.7
LARGE INTESTINE (153)	-	-	6	31.6	29	17.3	2	11.8
PANCREAS (157)	1	13.3	-	-	21	12.5	2	11.8
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	5	66.7	8	42.1	141	83.9	8	47.3
BRONCHUS AND LUNG (162.2-162.9)	5	66.7	8	42.1	135	80.4	8	47.3
MALIGNANT MELANOMA (172)	-	-	2	10.5	10	6.0	-	-
OTHER SKIN (173)	-	-	-	-	-	-	1	5.9
BREAST (174-175)	2	26.7	3	15.8	29	17.3	2	11.8
GENITAL ORGANS (179-187)	2	26.7	4	21.1	62	36.9	4	23.7
CERVIX & UTERUS (179-182)	1	13.3	1	5.3	10	6.0	1	5.9
OVARY (183.0)	-	-	-	-	8	4.8	1	5.9
PROSTATE (185)	1	13.3	3	15.8	41	24.4	2	11.8
URINARY ORGANS (188-189)	-	-	2	10.5	25	14.9	5	29.6
LEUKEMIA (204-208)	-	-	2	10.5	21	12.5	-	-
BENIGN NEOPLASMS (210-229)	-	-	-	-	1	0.6	-	-
IN SITU, UNCERT. BEHAV. & UNSPEC. NATURE NEOPL. (230-239)	-	-	-	-	3	1.8	-	-
DIABETES MELLITUS (250)	1	13.3	4	21.1	52	31.0	7	41.4
NUTRITIONAL DEFICIENCIES (260-269)	-	-	-	-	3	1.8	1	5.9
ANEMIAS (280-285)	-	-	-	-	3	1.8	-	-
ALZHEIMER'S DEMENTIA (290.1)	-	-	2	10.5	9	5.4	1	5.9
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	-	-	-	-	6	3.6	-	-
DRUG DEPENDENCE (304)	-	-	-	-	-	-	-	-
MENINGITIS (320-322)	-	-	-	-	1	0.6	-	-
ALZHEIMER'S DISEASE (331.0)	1	13.3	1	5.3	28	16.7	-	-
PARKINSON'S DISEASE (332)	-	-	4	21.1	15	8.9	-	-
EPILEPSY (345)	-	-	-	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	26	346.7	58	305.3	719	428.0	57	337.3
DISEASES OF THE HEART (390-398, 402, 404-429)	19	253.3	33	173.7	498	296.4	42	248.5
RHEUMATIC FEVER & CHRONIC RHEUM. HEART DIS. (390-398)	-	-	-	-	5	3.0	1	5.9
HYPERTENSIVE HEART DISEASE W/WO RENAL DIS.(402, 404)	1	13.3	1	5.3	10	6.0	-	-
ISCHEMIC HEART DISEASE (410-414)	15	200.0	26	136.8	352	209.5	25	147.9
MYOCARDIAL INFARCTION (410)	11	146.7	12	63.2	121	72.0	12	71.0
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	2	1.2	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	4	53.3	14	73.7	229	136.3	13	76.9
ALL OTHER FORMS (415-429)	3	40.0	6	31.6	131	78.0	16	94.7
HYPERTENSION (401, 403)	1	13.3	2	10.5	8	4.8	1	5.9
CEREBROVASCULAR DISEASE (430-438)	5	66.7	16	84.2	170	101.2	11	65.1
SUBARACHNOID HEMORRHAGE (430)	-	-	-	-	1	0.6	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	1	13.3	3	15.8	18	10.7	1	5.9
CEREBRAL THROMBOSIS & EMBOLISM (434)	-	-	-	-	10	6.0	1	5.9
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	3	40.0	10	52.6	116	69.0	7	41.4
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	1	13.3	-	-	8	4.8	1	5.9
ARTERIOSCLEROSIS (440)	-	-	5	26.3	17	10.1	2	11.8
OTHER DIS. OF ARTERIES, ARTERIOLES & CAPILLARIES (441-448)	1	13.3	2	10.5	26	15.5	1	5.9
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	1	0.6	-	-
PNEUMONIA (480-486)	4	53.3	11	57.9	69	41.1	8	47.3
INFLUENZA (487)	-	-	-	-	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	6	80.0	8	42.1	103	61.3	9	53.3
GASTRIC, DUODENAL, AND PEPTIC ULCER (531-533)	-	-	-	-	2	1.2	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	2	26.7	2	10.5	7	4.2	-	-
CIRRHOSIS OF THE LIVER (571)	-	-	4	21.1	14	8.3	6	35.5
ALCOHOLIC CIRRHOSIS (571.0-571.3)	-	-	4	21.1	13	7.7	5	29.6
DISEASES OF THE GALLBLADDER (574-576)	1	13.3	-	-	3	1.8	-	-
NEPHRITIS & NEPHROSIS (580-589)	-	-	1	5.3	12	7.1	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	-	-	1	5.9
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	1	0.6	-	-
DISEASES OF FEMALE GENITAL ORGANS (614-629)	-	-	1	5.3	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, ETC. (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	-	-	-	-	9	5.4	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	1	5.3	6	3.6	2	11.8
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	-	-	2	1.2	2	11.8
UNINTENTIONAL INJURIES (800-949)	3	40.0	4	21.1	63	37.5	18	106.5
MOTOR VEHICLE-RELATED (810-825)	2	26.7	3	15.8	26	15.5	15	88.8
SUICIDES (950-959)	1	13.3	1	5.3	38	22.6	3	17.8
HOMICIDES (960-978)	1	13.3	-	-	12	7.1	2	11.8
INJURIES OF UNDETERMINED MANNER (980-989)	-	-	-	-	-	-	-	-

-Quantity is zero.
Rates per 100,000 population.

TABLE 6-33. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1996 (CONTINUED)

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	JOSEPHINE		KLAMATH		LAKE		LANE	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
TOTAL	924	1283.3	578	938.3	87	1152.3	2,717	888.5
TUBERCULOSIS (010-018, 137)	1	1.4	1	1.6	-	-	-	-
SEPTICEMIA (038)	5	6.9	2	3.2	-	-	8	2.6
AIDS (042-044)	5	6.9	2	3.2	-	-	20	6.5
VIRAL HEPATITIS (070)	2	2.8	2	3.2	-	-	3	1.0
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	3	4.2	1	1.6	-	-	6	2.0
MALIGNANT NEOPLASMS (140-208)	230	319.4	134	217.5	23	304.6	650	212.6
BUCCAL CAVITY & PHARYNX (140-149)	5	6.9	4	6.5	-	-	4	1.3
DIGESTIVE ORGANS & PERITONEUM (150-159)	50	69.4	34	55.2	8	106.0	149	48.7
LARGE INTESTINE (153)	19	26.4	12	19.5	2	26.5	62	20.3
PANCREAS (157)	19	26.4	13	21.1	3	39.7	35	11.4
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	66	91.7	45	73.1	7	92.7	186	60.8
BRONCHUS AND LUNG (162.2-162.9)	64	88.9	44	71.4	7	92.7	180	58.9
MALIGNANT MELANOMA (172)	4	5.6	2	3.2	-	-	10	3.3
OTHER SKIN (173)	1	1.4	1	1.6	-	-	4	1.3
BREAST (174-175)	17	23.6	4	6.5	2	26.5	52	17.0
GENITAL ORGANS (179-187)	38	52.8	19	30.8	1	13.2	68	22.2
CERVIX & UTERUS (179-182)	5	6.9	4	6.5	-	-	12	3.9
OVARY (183.0)	10	13.9	7	11.4	-	-	13	4.3
PROSTATE (185)	23	31.9	8	13.0	1	13.2	42	13.7
URINARY ORGANS (188-189)	14	19.4	7	11.4	2	26.5	33	10.8
LEUKEMIA (204-208)	8	11.1	5	8.1	1	13.2	34	11.1
BENIGN NEOPLASMS (210-229)	1	1.4	1	1.6	-	-	3	1.0
IN SITU, UNCERT. BEHAV. & UNSPEC. NATURE NEOPL. (230-239)	2	2.8	2	3.2	-	-	6	2.0
DIABETES MELLITUS (250)	16	22.2	16	26.0	1	13.2	65	21.3
NUTRITIONAL DEFICIENCIES (260-269)	1	1.4	-	-	-	-	2	0.7
ANEMIAS (280-285)	1	1.4	-	-	-	-	9	2.9
ALZHEIMER'S DEMENTIA (290.1)	17	23.6	7	11.4	-	-	43	14.1
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	4	5.6	2	3.2	-	-	9	2.9
DRUG DEPENDENCE (304)	-	-	-	-	-	-	-	-
MENINGITIS (320-322)	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331.0)	10	13.9	8	13.0	1	13.2	47	15.4
PARKINSON'S DISEASE (332)	6	8.3	5	8.1	1	13.2	21	6.9
EPILEPSY (345)	-	-	-	-	-	-	2	0.7
MAJOR CARDIOVASCULAR DISEASES (390-448)	383	531.9	177	287.3	36	476.8	996	325.7
DISEASES OF THE HEART (390-398, 402, 404-429)	278	386.1	111	180.2	27	357.6	691	226.0
RHEUMATIC FEVER & CHRONIC RHEUM. HEART DIS. (390-398)	4	5.6	2	3.2	-	-	7	2.3
HYPERTENSIVE HEART DISEASE W/WO RENAL DIS.(402, 404)	19	26.4	1	1.6	-	-	20	6.5
ISCHEMIC HEART DISEASE (410-414)	181	251.4	77	125.0	23	304.6	450	147.2
MYOCARDIAL INFARCTION (410)	63	87.5	51	82.8	16	211.9	164	53.6
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	3	1.0
CHRONIC ISCHEMIC HEART DISEASE (412-414)	118	163.9	26	42.2	7	92.7	283	92.5
ALL OTHER FORMS (415-429)	74	102.8	31	50.3	4	53.0	214	70.0
HYPERTENSION (401, 403)	3	4.2	7	11.4	-	-	17	5.6
CEREBROVASCULAR DISEASE (430-438)	81	112.5	51	82.8	6	79.5	224	73.3
SUBARACHNOID HEMORRHAGE (430)	5	6.9	2	3.2	-	-	13	4.3
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	4	5.6	10	16.2	-	-	33	10.8
CEREBRAL THROMBOSIS & EMBOLISM (434)	4	5.6	2	3.2	1	13.2	21	6.9
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	56	77.8	28	45.5	4	53.0	121	39.6
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	10	13.9	1	1.6	-	-	23	7.5
ARTERIOSCLEROSIS (440)	5	6.9	1	1.6	-	-	28	9.2
OTHER DIS. OF ARTERIES, ARTERIOLES & CAPILLARIES (441-448)	16	22.2	7	11.4	3	39.7	36	11.8
VENOUS THROMBOSIS & EMBOLISM (451-453)	2	2.8	1	1.6	-	-	1	0.3
PNEUMONIA (480-486)	24	33.3	10	16.2	1	13.2	80	26.2
INFLUENZA (487)	-	-	-	-	-	-	2	0.7
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	49	68.1	51	82.8	5	66.2	182	59.5
GASTRIC, DUODENAL, AND PEPTIC ULCER (531-533)	1	1.4	3	4.9	-	-	3	1.0
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	1	1.4	2	3.2	-	-	7	2.3
CIRRHOSIS OF THE LIVER (571)	9	12.5	6	9.7	2	26.5	17	5.6
ALCOHOLIC CIRRHOSIS (571.0-571.3)	8	11.1	6	9.7	2	26.5	11	3.6
DISEASES OF THE GALLBLADDER (574-576)	3	4.2	-	-	1	13.2	8	2.6
NEPHRITIS & NEPHROSIS (580-589)	3	4.2	7	11.4	1	13.2	18	5.9
INFECTIONS OF THE KIDNEY (590)	1	1.4	-	-	-	-	2	0.7
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	3	1.0
DISEASES OF FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, ETC. (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	-	-	4	6.5	-	-	10	3.3
CERTAIN CAUSES IN EARLY INFANCY (760-779)	1	1.4	3	4.9	2	26.5	12	3.9
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	-	-	1	13.2	1	0.3
UNINTENTIONAL INJURIES (800-949)	38	52.8	24	39.0	5	66.2	103	33.7
MOTOR VEHICLE-RELATED (810-825)	19	26.4	15	24.4	2	26.5	31	10.1
SUICIDES (950-959)	17	23.6	13	21.1	2	26.5	45	14.7
HOMICIDES (960-978)	7	9.7	2	3.2	1	13.2	9	2.9
INJURIES OF UNDETERMINED MANNER (980-989)	2	2.8	1	1.6	-	-	9	2.9

TABLE 6-33. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1996 (CONTINUED)

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	LINCOLN		LINN		MALHEUR		MARION	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
TOTAL	545	1291.5	998	998.0	273	951.2	2,378	904.9
TUBERCULOSIS (010-018, 137)	-	-	-	-	-	-	2	0.8
SEPTICEMIA (038)	1	2.4	7	7.0	-	-	20	7.6
AIDS (042-044)	5	11.8	6	6.0	1	3.5	14	5.3
VIRAL HEPATITIS (070)	-	-	2	2.0	-	-	5	1.9
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	-	-	5	5.0	-	-	6	2.3
MALIGNANT NEOPLASMS (140-208)	133	315.2	217	217.0	54	188.2	521	198.2
BUCCAL CAVITY & PHARYNX (140-149)	2	4.7	6	6.0	2	7.0	6	2.3
DIGESTIVE ORGANS & PERITONEUM (150-159)	31	73.5	50	50.0	12	41.8	118	44.9
LARGE INTESTINE (153)	13	30.8	14	14.0	7	24.4	44	16.7
PANCREAS (157)	5	11.8	11	11.0	1	3.5	30	11.4
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	44	104.3	68	68.0	12	41.8	154	58.6
BRONCHUS AND LUNG (162.2-162.9)	44	104.3	68	68.0	11	38.3	151	57.5
MALIGNANT MELANOMA (172)	5	11.8	3	3.0	-	-	5	1.9
OTHER SKIN (173)	1	2.4	-	-	-	-	4	1.5
BREAST (174-175)	5	11.8	16	16.0	3	10.5	44	16.7
GENITAL ORGANS (179-187)	13	30.8	24	24.0	15	52.3	70	26.6
CERVIX & UTERUS (179-182)	1	2.4	6	6.0	-	-	14	5.3
OVARY (183.0)	6	14.2	5	5.0	3	10.5	20	7.6
PROSTATE (185)	6	14.2	13	13.0	10	34.8	34	12.9
URINARY ORGANS (188-189)	4	9.5	10	10.0	1	3.5	24	9.1
LEUKEMIA (204-208)	4	9.5	8	8.0	4	13.9	16	6.1
BENIGN NEOPLASMS (210-229)	-	-	1	1.0	-	-	1	0.4
IN SITU, UNCERT. BEHAV. & UNSPEC. NATURE NEOPL. (230-239)	1	2.4	2	2.0	-	-	2	0.8
DIABETES MELLITUS (250)	12	28.4	20	20.0	12	41.8	60	22.8
NUTRITIONAL DEFICIENCIES (260-269)	-	-	-	-	-	-	5	1.9
ANEMIAS (280-285)	2	4.7	-	-	-	-	1	0.4
ALZHEIMER'S DEMENTIA (290.1)	8	19.0	19	19.0	1	3.5	22	8.4
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	6	14.2	1	1.0	1	3.5	8	3.0
DRUG DEPENDENCE (304)	-	-	-	-	-	-	6	2.3
MENINGITIS (320-322)	-	-	-	-	1	3.5	-	-
ALZHEIMER'S DISEASE (331.0)	6	14.2	18	18.0	7	24.4	24	9.1
PARKINSON'S DISEASE (332)	3	7.1	13	13.0	5	17.4	8	3.0
EPILEPSY (345)	-	-	-	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	205	485.8	401	401.0	103	358.9	1,018	387.4
DISEASES OF THE HEART (390-398, 402, 404-429)	141	334.1	288	288.0	79	275.3	656	249.6
RHEUMATIC FEVER & CHRONIC RHEUM. HEART DIS. (390-398)	2	4.7	3	3.0	1	3.5	8	3.0
HYPERTENSIVE HEART DISEASE W/WO RENAL DIS.(402, 404)	4	9.5	12	12.0	3	10.5	30	11.4
ISCHEMIC HEART DISEASE (410-414)	101	239.3	185	185.0	50	174.2	434	165.1
MYOCARDIAL INFARCTION (410)	39	92.4	87	87.0	28	97.6	198	75.3
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	1	3.5	1	0.4
CHRONIC ISCHEMIC HEART DISEASE (412-414)	62	146.9	98	98.0	21	73.2	235	89.4
ALL OTHER FORMS (415-429)	34	80.6	88	88.0	25	87.1	184	70.0
HYPERTENSION (401, 403)	-	-	1	1.0	3	10.5	18	6.8
CEREBROVASCULAR DISEASE (430-438)	49	116.1	90	90.0	18	62.7	298	113.4
SUBARACHNOID HEMORRHAGE (430)	3	7.1	3	3.0	-	-	11	4.2
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	7	16.6	18	18.0	4	13.9	24	9.1
CEREBRAL THROMBOSIS & EMBOLISM (434)	5	11.8	9	9.0	2	7.0	124	47.2
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	31	73.5	45	45.0	9	31.4	111	42.2
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	1	2.4	9	9.0	3	10.5	11	4.2
ARTERIOSCLEROSIS (440)	8	19.0	7	7.0	1	3.5	16	6.1
OTHER DIS. OF ARTERIES, ARTERIOLES & CAPILLARIES (441-448)	7	16.6	15	15.0	2	7.0	30	11.4
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	-	-	1	0.4
PNEUMONIA (480-486)	14	33.2	39	39.0	9	31.4	54	20.5
INFLUENZA (487)	2	4.7	-	-	-	-	3	1.1
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	31	73.5	45	45.0	17	59.2	142	54.0
GASTRIC, DUODENAL, AND PEPTIC ULCER (531-533)	1	2.4	1	1.0	1	3.5	4	1.5
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	2	4.7	4	4.0	1	3.5	9	3.4
CIRRHOSIS OF THE LIVER (571)	5	11.8	15	15.0	3	10.5	18	6.8
ALCOHOLIC CIRRHOSIS (571.0-571.3)	5	11.8	13	13.0	2	7.0	15	5.7
DISEASES OF THE GALLBLADDER (574-576)	-	-	1	1.0	2	7.0	2	0.8
NEPHRITIS & NEPHROSIS (580-589)	4	9.5	3	3.0	-	-	13	4.9
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	-	-	1	0.4
DISEASES OF MALE GENITAL ORGANS (600-608)	3	7.1	1	1.0	1	3.5	1	0.4
DISEASES OF FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, ETC. (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	-	-	6	6.0	2	7.0	13	4.9
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	-	-	-	-	15	5.7
SUDDEN INFANT DEATH SYNDROME (798.0)	2	4.7	3	3.0	-	-	7	2.7
UNINTENTIONAL INJURIES (800-949)	30	71.1	35	35.0	14	48.8	107	40.7
MOTOR VEHICLE-RELATED (810-825)	11	26.1	14	14.0	6	20.9	42	16.0
SUICIDES (950-959)	8	19.0	15	15.0	5	17.4	37	14.1
HOMICIDES (960-978)	2	4.7	5	5.0	-	-	11	4.2
INJURIES OF UNDETERMINED MANNER (980-989)	-	-	1	1.0	2	7.0	8	3.0

- Quantity is zero.

Rates per 100,000 population.

TABLE 6-33. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1996 (CONTINUED)

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	MORROW		MULTNOMAH		POLK		SHERMAN	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
TOTAL	66	733.3	5,915	930.0	498	884.5	24	1263.2
TUBERCULOSIS (010-018, 137)	-	-	6	0.9	-	-	-	-
SEPTICEMIA (038)	-	-	16	2.5	-	-	1	52.6
AIDS (042-044)	1	11.1	119	18.7	-	-	-	-
VIRAL HEPATITIS (070)	-	-	14	2.2	1	1.8	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	-	-	15	2.4	-	-	-	-
MALIGNANT NEOPLASMS (140-208)	14	155.6	1,317	207.1	114	202.5	7	368.4
BUCCAL CAVITY & PHARYNX (140-149)	-	-	21	3.3	1	1.8	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	4	44.4	291	45.8	26	46.2	3	157.9
LARGE INTESTINE (153)	2	22.2	113	17.8	9	16.0	2	105.3
PANCREAS (157)	-	-	54	8.5	2	3.6	1	52.6
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	2	22.2	411	64.6	27	48.0	2	105.3
BRONCHUS AND LUNG (162.2-162.9)	2	22.2	393	61.8	26	46.2	2	105.3
MALIGNANT MELANOMA (172)	-	-	14	2.2	-	-	-	-
OTHER SKIN (173)	-	-	4	0.6	2	3.6	-	-
BREAST (174-175)	-	-	104	16.4	14	24.9	-	-
GENITAL ORGANS (179-187)	4	44.4	141	22.2	13	23.1	-	-
CERVIX & UTERUS (179-182)	-	-	19	3.0	3	5.3	-	-
OVARY (183.0)	-	-	24	3.8	1	1.8	-	-
PROSTATE (185)	4	44.4	93	14.6	8	14.2	-	-
URINARY ORGANS (188-189)	1	11.1	62	9.7	4	7.1	-	-
LEUKEMIA (204-208)	2	22.2	46	7.2	6	10.7	-	-
BENIGN NEOPLASMS (210-229)	-	-	5	0.8	1	1.8	-	-
IN SITU, UNCERT. BEHAV. & UNSPEC. NATURE NEOPL. (230-239)	-	-	12	1.9	1	1.8	-	-
DIABETES MELLITUS (250)	4	44.4	155	24.4	10	17.8	-	-
NUTRITIONAL DEFICIENCIES (260-269)	1	11.1	7	1.1	-	-	-	-
ANEMIAS (280-285)	-	-	10	1.6	-	-	-	-
ALZHEIMER'S DEMENTIA (290.1)	1	11.1	58	9.1	5	8.9	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	-	-	41	6.4	1	1.8	-	-
DRUG DEPENDENCE (304)	-	-	14	2.2	1	1.8	-	-
MENINGITIS (320-322)	-	-	1	0.2	-	-	-	-
ALZHEIMER'S DISEASE (331.0)	-	-	81	12.7	9	16.0	-	-
PARKINSON'S DISEASE (332)	-	-	53	8.3	2	3.6	-	-
EPILEPSY (345)	-	-	2	0.3	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	17	188.9	2,161	339.8	226	401.4	9	473.7
DISEASES OF THE HEART (390-398, 402, 404-429)	16	177.8	1,496	235.2	126	223.8	6	315.8
RHEUMATIC FEVER & CHRONIC RHEUM. HEART DIS. (390-398)	-	-	18	2.8	2	3.6	-	-
HYPERTENSIVE HEART DISEASE W/WO RENAL DIS.(402, 404)	-	-	50	7.9	2	3.6	1	52.6
ISCHEMIC HEART DISEASE (410-414)	10	111.1	1,004	157.9	89	158.1	4	210.5
MYOCARDIAL INFARCTION (410)	5	55.6	372	58.5	41	72.8	2	105.3
OTHER ACUTE & SUBACUTE (411)	-	-	2	0.3	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	5	55.6	630	99.1	48	85.3	2	105.3
ALL OTHER FORMS (415-429)	6	66.7	424	66.7	33	58.6	1	52.6
HYPERTENSION (401, 403)	-	-	61	9.6	10	17.8	1	52.6
CEREBROVASCULAR DISEASE (430-438)	1	11.1	512	80.5	77	136.8	2	105.3
SUBARACHNOID HEMORRHAGE (430)	-	-	22	3.5	2	3.6	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	1	11.1	63	9.9	11	19.5	1	52.6
CEREBRAL THROMBOSIS & EMBOLISM (434)	-	-	32	5.0	37	65.7	-	-
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	-	-	314	49.4	20	35.5	1	52.6
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	-	-	28	4.4	4	7.1	-	-
ARTERIOSCLEROSIS (440)	-	-	36	5.7	4	7.1	-	-
OTHER DIS. OF ARTERIES, ARTERIOLES & CAPILLARIES (441-448)	-	-	56	8.8	9	16.0	-	-
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	2	0.3	-	-	-	-
PNEUMONIA (480-486)	5	55.6	216	34.0	12	21.3	1	52.6
INFLUENZA (487)	-	-	-	-	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	5	55.6	337	53.0	28	49.7	2	105.3
GASTRIC, DUODENAL, AND PEPTIC ULCER (531-533)	-	-	10	1.6	1	1.8	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	-	-	11	1.7	4	7.1	-	-
CIRRHOSIS OF THE LIVER (571)	1	11.1	97	15.3	3	5.3	-	-
ALCOHOLIC CIRRHOSIS (571.0-571.3)	1	11.1	86	13.5	2	3.6	-	-
DISEASES OF THE GALLBLADDER (574-576)	1	11.1	11	1.7	4	7.1	-	-
NEPHRITIS & NEPHROSIS (580-589)	-	-	33	5.2	-	-	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	4	0.6	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	4	0.6	-	-	-	-
DISEASES OF FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, ETC. (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	2	22.2	43	6.8	4	7.1	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	17	2.7	1	1.8	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	8	1.3	2	3.6	-	-
UNINTENTIONAL INJURIES (800-949)	6	66.7	268	42.1	23	40.9	2	105.3
MOTOR VEHICLE-RELATED (810-825)	5	55.6	83	13.1	5	8.9	-	-
SUICIDES (950-959)	1	11.1	118	18.6	4	7.1	-	-
HOMICIDES (960-978)	-	-	48	7.5	1	1.8	-	-
INJURIES OF UNDETERMINED MANNER (980-989)	-	-	28	4.4	1	1.8	-	-

- Quantity is zero.

Rates per 100,000 population.

TABLE 6-33. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1996 (CONTINUED)

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	TILLAMOOK		UMATILLA		UNION		WALLOWA	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
TOTAL	271	1138.7	613	935.9	237	967.3	67	924.1
TUBERCULOSIS (010-018, 137)	-	-	-	-	-	-	-	-
SEPTICEMIA (038)	-	-	1	1.5	-	-	-	-
AIDS (042-044)	2	8.4	1	1.5	-	-	-	-
VIRAL HEPATITIS (070)	-	-	2	3.1	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	2	8.4	2	3.1	1	4.1	-	-
MALIGNANT NEOPLASMS (140-208)	64	268.9	151	230.5	54	220.4	20	275.9
BUCCAL CAVITY & PHARYNX (140-149)	-	-	-	-	1	4.1	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	16	67.2	33	50.4	12	49.0	3	41.4
LARGE INTESTINE (153)	5	21.0	12	18.3	6	24.5	-	-
PANCREAS (157)	3	12.6	5	7.6	3	12.2	2	27.6
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	18	75.6	45	68.7	14	57.1	7	96.6
BRONCHUS AND LUNG (162.2-162.9)	18	75.6	44	67.2	14	57.1	7	96.6
MALIGNANT MELANOMA (172)	2	8.4	1	1.5	1	4.1	-	-
OTHER SKIN (173)	-	-	-	-	-	-	-	-
BREAST (174-175)	3	12.6	11	16.8	4	16.3	-	-
GENITAL ORGANS (179-187)	10	42.0	24	36.6	9	36.7	4	55.2
CERVIX & UTERUS (179-182)	-	-	1	1.5	1	4.1	1	13.8
OVARY (183.0)	2	8.4	6	9.2	2	8.2	-	-
PROSTATE (185)	8	33.6	16	24.4	6	24.5	3	41.4
URINARY ORGANS (188-189)	2	8.4	4	6.1	-	-	-	-
LEUKEMIA (204-208)	2	8.4	6	9.2	7	28.6	1	13.8
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	-	-
IN SITU, UNCERT. BEHAV. & UNSPEC. NATURE NEOPL. (230-239)	2	8.4	-	-	1	4.1	-	-
DIABETES MELLITUS (250)	11	46.2	20	30.5	2	8.2	2	27.6
NUTRITIONAL DEFICIENCIES (260-269)	-	-	-	-	-	-	-	-
ANEMIAS (280-285)	1	4.2	1	1.5	-	-	-	-
ALZHEIMER'S DEMENTIA (290.1)	3	12.6	6	9.2	2	8.2	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	2	8.4	3	4.6	2	8.2	1	13.8
DRUG DEPENDENCE (304)	-	-	-	-	-	-	-	-
MENINGITIS (320-322)	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331.0)	1	4.2	10	15.3	6	24.5	-	-
PARKINSON'S DISEASE (332)	1	4.2	5	7.6	2	8.2	-	-
EPILEPSY (345)	-	-	-	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	105	441.2	230	351.1	95	387.8	29	400.0
DISEASES OF THE HEART (390-398, 402, 404-429)	70	294.1	169	258.0	70	285.7	22	303.4
RHEUMATIC FEVER & CHRONIC RHEUM. HEART DIS. (390-398)	1	4.2	1	1.5	1	4.1	-	-
HYPERTENSIVE HEART DISEASE W/WO RENAL DIS.(402, 404)	2	8.4	6	9.2	-	-	-	-
ISCHEMIC HEART DISEASE (410-414)	55	231.1	117	178.6	38	155.1	17	234.5
MYOCARDIAL INFARCTION (410)	23	96.6	61	93.1	14	57.1	5	69.0
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	32	134.5	56	85.5	24	98.0	12	165.5
ALL OTHER FORMS (415-429)	12	50.4	45	68.7	31	126.5	5	69.0
HYPERTENSION (401, 403)	1	4.2	5	7.6	1	4.1	-	-
CEREBROVASCULAR DISEASE (430-438)	24	100.8	44	67.2	20	81.6	5	69.0
SUBARACHNOID HEMORRHAGE (430)	-	-	3	4.6	-	-	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	3	12.6	4	6.1	2	8.2	-	-
CEREBRAL THROMBOSIS & EMBOLISM (434)	1	4.2	1	1.5	-	-	2	27.6
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	10	42.0	33	50.4	16	65.3	2	27.6
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	4	16.8	-	-	1	4.1	-	-
ARTERIOSCLEROSIS (440)	7	29.4	3	4.6	1	4.1	-	-
OTHER DIS. OF ARTERIES, ARTERIOLES & CAPILLARIES (441-448)	3	12.6	9	13.7	3	12.2	2	27.6
VENOUS THROMBOSIS & EMBOLISM (451-453)	1	4.2	-	-	-	-	-	-
PNEUMONIA (480-486)	6	25.2	26	39.7	6	24.5	2	27.6
INFLUENZA (487)	-	-	1	1.5	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	17	71.4	31	47.3	18	73.5	1	13.8
GASTRIC, DUODENAL, AND PEPTIC ULCER (531-533)	-	-	3	4.6	3	12.2	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	-	-	4	6.1	-	-	1	13.8
CIRRHOSIS OF THE LIVER (571)	2	8.4	3	4.6	2	8.2	-	-
ALCOHOLIC CIRRHOSIS (571.0-571.3)	2	8.4	2	3.1	2	8.2	-	-
DISEASES OF THE GALLBLADDER (574-576)	-	-	4	6.1	-	-	1	13.8
NEPHRITIS & NEPHROSIS (580-589)	1	4.2	2	3.1	1	4.1	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	1	1.5	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, ETC. (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	-	-	2	3.1	-	-	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	3	4.6	-	-	1	13.8
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	2	3.1	-	-	1	13.8
UNINTENTIONAL INJURIES (800-949)	15	63.0	31	47.3	11	44.9	3	41.4
MOTOR VEHICLE-RELATED (810-825)	8	33.6	18	27.5	4	16.3	1	13.8
SUICIDES (950-959)	5	21.0	12	18.3	4	16.3	2	27.6
HOMICIDES (960-978)	-	-	4	6.1	-	-	-	-
INJURIES OF UNDETERMINED MANNER (980-989)	-	-	-	-	1	4.1	-	-

- Quantity is zero.

Rates per 100,000 population.

TABLE 6-33. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1996 (CONTINUED)

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	WASCO		WASHINGTON		WHEELER		YAMHILL	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
TOTAL	271	1204.4	2,494	662.4	22	1375.0	618	797.4
TUBERCULOSIS (010-018, 137)	-	-	1	0.3	-	-	-	-
SEPTICEMIA (038)	4	17.8	8	2.1	-	-	1	1.3
AIDS (042-044)	1	4.4	16	4.2	-	-	1	1.3
VIRAL HEPATITIS (070)	-	-	1	0.3	-	-	1	1.3
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	1	4.4	6	1.6	1	62.5	1	1.3
MALIGNANT NEOPLASMS (140-208)	51	226.7	594	157.8	5	312.5	125	161.3
BUCCAL CAVITY & PHARYNX (140-149)	2	8.9	4	1.1	1	62.5	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	12	53.3	131	34.8	-	-	32	41.3
LARGE INTESTINE (153)	6	26.7	42	11.2	-	-	9	11.6
PANCREAS (157)	1	4.4	31	8.2	-	-	10	12.9
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	12	53.3	169	44.9	1	62.5	40	51.6
BRONCHUS AND LUNG (162.2-162.9)	12	53.3	161	42.8	-	-	39	50.3
MALIGNANT MELANOMA (172)	-	-	8	2.1	1	62.5	1	1.3
OTHER SKIN (173)	1	4.4	1	0.3	-	-	2	2.6
BREAST (174-175)	6	26.7	49	13.0	-	-	8	10.3
GENITAL ORGANS (179-187)	4	17.8	73	19.4	1	62.5	13	16.8
CERVIX & UTERUS (179-182)	-	-	13	3.5	-	-	1	1.3
OVARY (183.0)	2	8.9	9	2.4	-	-	2	2.6
PROSTATE (185)	2	8.9	47	12.5	1	62.5	10	12.9
URINARY ORGANS (188-189)	2	8.9	22	5.8	-	-	5	6.5
LEUKEMIA (204-208)	3	13.3	29	7.7	-	-	3	3.9
BENIGN NEOPLASMS (210-229)	-	-	2	0.5	-	-	1	1.3
IN SITU, UNCERT. BEHAV. & UNSPEC. NATURE NEOPL. (230-239)	1	4.4	6	1.6	1	62.5	2	2.6
DIABETES MELLITUS (250)	5	22.2	55	14.6	-	-	12	15.5
NUTRITIONAL DEFICIENCIES (260-269)	-	-	4	1.1	-	-	-	-
ANEMIAS (280-285)	1	4.4	6	1.6	-	-	1	1.3
ALZHEIMER'S DEMENTIA (290.1)	3	13.3	26	6.9	-	-	15	19.4
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291, 303)	-	-	10	2.7	-	-	1	1.3
DRUG DEPENDENCE (304)	-	-	2	0.5	-	-	-	-
MENINGITIS (320-322)	-	-	1	0.3	-	-	-	-
ALZHEIMER'S DISEASE (331.0)	8	35.6	42	11.2	-	-	10	12.9
PARKINSON'S DISEASE (332)	4	17.8	25	6.6	-	-	4	5.2
EPILEPSY (345)	-	-	5	1.3	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	107	475.6	982	260.8	8	500.0	258	332.9
DISEASES OF THE HEART (390-398, 402, 404-429)	62	275.6	645	171.3	4	250.0	181	233.5
RHEUMATIC FEVER & CHRONIC RHEUM. HEART DIS. (390-398)	-	-	12	3.2	-	-	1	1.3
HYPERTENSIVE HEART DISEASE W/WO RENAL DIS.(402, 404)	2	8.9	26	6.9	-	-	6	7.7
ISCHEMIC HEART DISEASE (410-414)	47	208.9	433	115.0	1	62.5	129	166.5
MYOCARDIAL INFARCTION (410)	17	75.6	160	42.5	1	62.5	54	69.7
OTHER ACUTE & SUBACUTE (411)	-	-	1	0.3	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	30	133.3	272	72.2	-	-	75	96.8
ALL OTHER FORMS (415-429)	13	57.8	174	46.2	3	187.5	45	58.1
HYPERTENSION (401, 403)	-	-	13	3.5	-	-	5	6.5
CEREBROVASCULAR DISEASE (430-438)	38	168.9	244	64.8	3	187.5	61	78.7
SUBARACHNOID HEMORRHAGE (430)	-	-	13	3.5	-	-	1	1.3
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	7	31.1	33	8.8	1	62.5	4	5.2
CEREBRAL THROMBOSIS & EMBOLISM (434)	5	22.2	14	3.7	1	62.5	6	7.7
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	19	84.4	156	41.4	1	62.5	37	47.7
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	2	8.9	14	3.7	-	-	6	7.7
ARTERIOSCLEROSIS (440)	2	8.9	35	9.3	1	62.5	6	7.7
OTHER DIS. OF ARTERIES, ARTERIOLES & CAPILLARIES (441-448)	5	22.2	45	12.0	-	-	5	6.5
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	-	-	2	2.6
PNEUMONIA (480-486)	11	48.9	83	22.0	-	-	17	21.9
INFLUENZA (487)	-	-	-	-	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	11	48.9	123	32.7	1	62.5	38	49.0
GASTRIC, DUODENAL, AND PEPTIC ULCER (531-533)	-	-	3	0.8	-	-	1	1.3
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	1	4.4	8	2.1	-	-	3	3.9
CIRRHOSIS OF THE LIVER (571)	1	4.4	20	5.3	1	62.5	6	7.7
ALCOHOLIC CIRRHOSIS (571.0-571.3)	1	4.4	16	4.2	1	62.5	4	5.2
DISEASES OF THE GALLBLADDER (574-576)	-	-	4	1.1	-	-	-	-
NEPHRITIS & NEPHROSIS (580-589)	2	8.9	17	4.5	-	-	4	5.2
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	-	-	1	1.3
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	1	1.3
DISEASES OF FEMALE GENITAL ORGANS (614-629)	-	-	1	0.3	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, ETC. (630-676)	-	-	1	0.3	-	-	-	-
CONGENITAL ANOMALIES (740-759)	2	8.9	14	3.7	-	-	3	3.9
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	9	2.4	-	-	1	1.3
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	7	1.9	-	-	2	2.6
UNINTENTIONAL INJURIES (800-949)	16	71.1	118	31.3	1	62.5	23	29.7
MOTOR VEHICLE-RELATED (810-825)	5	22.2	45	12.0	-	-	11	14.2
SUICIDES (950-959)	6	26.7	34	9.0	-	-	9	11.6
HOMICIDES (960-978)	2	8.9	20	5.3	-	-	2	2.6
INJURIES OF UNDETERMINED MANNER (980-989)	2	8.9	3	0.8	-	-	2	2.6

- Quantity is zero.

Rates per 100,000 population.

TABLE 6-34.

**CAUSES MENTIONED ON THE DEATH CERTIFICATE BUT WHICH WERE NOT THE
UNDERLYING CAUSE OF DEATH, BY COUNTY OF RESIDENCE, OREGON, 1996**

COUNTY OF RESIDENCE	HEART DISEASE	CANCER	CEREBRO-VASCULAR DISEASE	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	PNEUMONIA AND INFLUENZA	DIABETES	ALZHEIMER'S DISEASE AND DEMENTIA	ALCOHOLISM*	HYPERTENSION	ACQUIRED IMMUNE DEFICIENCY SYNDROME
TOTAL	3,721	971	1,417	1,926	1,350	1,783	536	316	1,977	37
BAKER	20	8	5	16	8	13	2	4	3	-
BENTON	60	11	27	30	27	32	8	2	23	-
CLACKAMAS	335	73	147	154	99	165	35	11	168	4
CLATSOP	52	10	20	25	20	13	7	5	32	-
COLUMBIA	45	10	16	23	20	24	7	3	20	-
COOS	115	41	28	74	35	55	13	7	41	-
CROOK	25	4	14	28	13	15	6	4	21	-
CURRY	52	7	9	17	16	8	5	4	13	-
DESCHUTES	97	29	37	50	18	51	9	6	53	1
DOUGLAS	167	25	46	118	60	69	23	22	75	1
GILLIAM	4	1	2	1	-	2	-	-	-	-
GRANT	8	3	2	1	3	2	2	1	4	-
HARNEY	8	3	4	5	6	5	1	3	7	-
HOOD RIVER	17	3	5	6	3	9	3	1	12	-
JACKSON	210	61	80	102	86	83	30	37	124	1
JEFFERSON	24	7	3	7	4	21	2	6	16	1
JOSEPHINE	95	27	52	79	34	70	11	20	68	1
KLAMATH	79	19	28	34	42	38	17	4	40	-
LAKE	8	2	2	7	3	3	4	1	6	-
LANE	331	99	144	181	103	174	48	30	184	-
LINCOLN	70	20	23	44	33	38	10	5	42	-
LINN	127	40	47	70	64	62	34	7	78	-
MALHEUR	29	3	11	11	10	12	6	1	8	-
MARION	325	86	125	154	95	144	60	26	166	-
MORROW	19	3	2	9	3	-	1	-	5	-
MULTNOMAH	734	214	285	347	279	347	91	61	413	23
POLK	65	20	26	29	27	38	15	3	43	-
SHERMAN	4	2	5	1	1	1	1	-	-	-
TILLAMOOK	30	16	12	24	22	19	5	9	24	-
UMATILLA	91	15	32	48	32	43	12	5	53	1
UNION	22	2	10	21	8	21	5	1	17	1
WALLOWA	11	1	5	9	6	3	-	1	4	-
WASCO	48	11	11	24	20	19	7	1	25	-
WASHINGTON	305	75	114	140	116	137	49	18	150	3
WHEELER	4	1	-	1	2	1	-	-	1	-
YAMHILL	85	19	38	36	32	46	7	7	38	-

- Quantity is zero.

* Includes alcoholic liver disease, alcoholic gastritis, alcoholic polyneuropathy, alcoholic cardiomyopathy, and alcoholic psychosis.

TABLE 6-35.
CAUSES MENTIONED ON THE DEATH CERTIFICATE BUT WHICH WERE NOT THE
UNDERLYING CAUSE OF DEATH, BY AGE AND SEX, OREGON RESIDENTS, 1996

AGE AND SEX	HEART DISEASE	CANCER	CEREBRO-VASCULAR DISEASE	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	PNEUMONIA AND INFLUENZA	DIABETES	ALZHEIMER'S DISEASE AND DEMENTIA	ALCOHOLISM*	HYPERTENSION	ACQUIRED IMMUNE DEFICIENCY SYNDROME
BOTH SEXES	3,721	971	1,417	1,926	1,350	1,783	536	316	1,977	37
< 1	6	-	2	1	4	-	-	-	-	-
1-4	2	-	1	-	3	-	-	-	-	-
5-14	4	1	2	2	3	-	-	-	-	1
15-24	8	-	4	2	3	-	-	3	-	-
25-34	26	17	3	3	16	2	-	11	2	8
35-44	42	31	13	6	35	14	-	40	14	17
45-54	132	29	35	49	33	66	-	53	67	8
55-64	245	59	88	177	79	180	4	57	146	3
65-74	763	194	236	541	254	451	37	79	380	-
75-84	1,299	339	542	770	473	698	203	62	713	-
85-94	1,030	266	422	347	392	336	255	11	567	-
95+	164	35	69	28	55	36	37	-	88	-
MALES	1,788	599	659	1,091	702	858	197	245	813	35
< 1	1	-	1	1	2	-	-	-	-	-
1-4	2	-	-	-	2	-	-	-	-	-
5-14	3	-	2	1	-	-	-	-	-	1
15-24	6	-	3	2	3	-	-	3	-	-
25-34	19	17	2	1	11	1	-	7	2	7
35-44	27	28	7	4	25	10	-	30	11	16
45-54	72	21	22	23	20	37	-	42	40	8
55-64	135	37	55	105	48	104	3	47	93	3
65-74	430	119	131	329	151	231	20	60	194	-
75-84	667	219	273	431	246	355	84	48	315	-
85-94	383	146	145	180	180	113	84	8	150	-
95+	43	12	18	14	14	7	6	-	8	-
FEMALES	1,933	372	758	835	648	925	339	71	1,164	2
< 1	5	-	1	-	2	-	-	-	-	-
1-4	-	-	1	-	1	-	-	-	-	-
5-14	1	1	-	1	3	-	-	-	-	-
15-24	2	-	1	-	-	-	-	-	-	-
25-34	7	-	1	2	5	1	-	4	-	1
35-44	15	3	6	2	10	4	-	10	3	1
45-54	60	8	13	26	13	29	-	11	27	-
55-64	110	22	33	72	31	76	1	10	53	-
65-74	333	75	105	212	103	220	17	19	186	-
75-84	632	120	269	339	227	343	119	14	398	-
85-94	647	120	277	167	212	223	171	3	417	-
95+	121	23	51	14	41	29	31	-	80	-

- Quantity is zero.

* Includes alcoholic liver disease, alcoholic gastritis, alcoholic polyneuropathy, alcoholic cardiomyopathy, and alcoholic psychosis.

TABLE 6-36.
DEATHS DUE TO FIREARMS BY MANNER, SEX, AGE, RACE/ETHNICITY,
COUNTY OF RESIDENCE, AND WEAPON TYPE, OREGON RESIDENTS, 1996

DEMOGRAPHIC CHARACTERISTICS	TOTAL	UNINTENTIONAL INJURIES			SUICIDE			HOMICIDE ¹			UNDETERMINED MANNER		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	430	14	12	2	330	281	49	82	60	22	4	4	
AGE													
0-14	6	2	1	1	3	3	-	1	-	1	-	-	
15-17	15	2	2	-	11	8	3	2	2	-	-	-	
18-19	18	2	2	-	10	10	-	6	5	1	-	-	
20-24	55	4	4	-	28	27	1	20	18	2	3	3	
25-34	75	3	2	1	48	41	7	24	18	6	-	-	
35-44	70	1	1	-	55	41	14	14	11	3	-	-	
45-54	49	-	-	-	41	29	12	7	4	3	1	1	
55-64	40	-	-	-	37	32	5	3	2	1	-	-	
65-74	46	-	-	-	46	41	5	-	-	-	-	-	
75-84	38	-	-	-	35	33	2	3	-	3	-	-	
85+	18	-	-	-	16	16	-	2	-	2	-	-	
RACE/ETHNICITY													
WHITE	396	13	11	2	321	272	49	58	39	19	4	4	
AFRICAN AMERICAN	17	-	-	-	4	4	-	13	13	-	-	-	
INDIAN	7	1	1	-	2	2	-	4	4	-	-	-	
OTHER	10	-	-	-	3	3	-	7	4	3	-	-	
HISPANIC ²	28	2	2	-	13	10	3	12	12	-	1	1	
SELECTED COUNTIES													
CLACKAMAS	46	3	3	-	39	32	7	4	3	1	-	-	
DOUGLAS	16	-	-	-	14	12	2	2	1	1	-	-	
JACKSON	31	1	-	1	23	21	2	7	4	3	-	-	
JOSEPHINE	18	-	-	-	12	8	4	6	4	2	-	-	
LANE	35	-	-	-	32	30	2	2	-	2	1	1	
LINN	20	1	1	-	15	14	1	4	3	1	-	-	
MARION	29	2	2	-	18	13	5	7	7	-	2	2	
MULTNOMAH	94	1	1	-	59	49	10	34	26	8	-	-	
WASHINGTON	24	2	2	-	19	17	2	3	3	-	-	-	
ALL OTHERS	117	4	3	1	99	85	14	13	9	4	1	1	
WEAPON TYPE													
HANDGUN	282	9	8	1	222	182	40	47	36	11	4	4	
SHOTGUN	39	-	-	-	32	31	1	7	4	3	-	-	
RIFLE	81	5	4	1	71	63	8	5	4	1	-	-	
MILITARY FIREARMS	-	-	-	-	-	-	-	-	-	-	-	-	
UNSPECIFIED	28	-	-	-	5	5	-	23	16	7	-	-	

¹ Includes legal intervention.

² Hispanics may be of any race.

TABLE 6-37.
SELECTED CAUSES OF DEATH BY CITY OF RESIDENCE, OREGON, 1996

CITY OF RESIDENCE	POPULATION	TOTAL DEATHS	RATE*	HEART DISEASE	CANCER	CEREBROVASCULAR DISEASE	COPD	UNINTENTIONAL INJURIES	PNEUMONIA AND INFLUENZA	ALZHEIMER'S DISEASE	DIABETES	SUICIDE
OREGON	3,181,000	28,900	908.5	7,676	6,784	2,632	1,676	1,295	946	740	739	533
ALBANY	37,095	371	1,000.1	117	80	27	17	10	17	17	4	5
ASHLAND	18,360	131	713.5	28	35	11	7	6	4	3	6	3
ASTORIA	10,130	121	1,194.5	41	20	12	5	4	7	4	1	2
BEAVERTON	63,145	557	882.1	134	124	57	24	27	20	15	8	9
BEND	32,220	297	921.8	90	60	31	27	16	13	4	6	7
CANBY	11,430	90	787.4	30	23	9	-	9	5	3	1	2
CENTRAL POINT	10,295	114	1,107.3	32	35	11	9	2	6	5	5	-
COOS BAY	15,520	215	1,385.3	42	58	21	14	15	6	12	7	4
CORVALLIS	49,275	307	623.0	85	64	44	24	8	14	7	6	4
DALLAS	11,360	147	1,294.0	40	29	29	9	3	6	5	3	1
EUGENE	126,325	1,148	908.8	268	255	107	74	50	35	47	26	21
FOREST GROVE	15,370	198	1,288.2	65	39	22	14	7	4	2	3	5
GLADSTONE	11,605	111	956.5	38	27	11	5	3	4	1	1	3
GRANTS PASS	20,255	332	1,639.1	100	72	34	16	13	10	12	9	4
GRESHAM	79,350	680	857.0	165	147	72	46	26	26	17	20	18
HERMISTON	11,050	98	886.9	25	25	7	6	3	6	5	4	1
HILLSBORO	52,105	302	579.6	73	65	33	14	16	11	9	10	5
KEIZER	27,450	224	816.0	54	47	40	23	9	2	6	5	2
KLAMATH FALLS	18,765	196	1,044.5	34	42	22	22	7	5	4	5	3
LA GRANDE	12,415	128	1,031.0	33	22	13	13	7	3	4	2	2
LAKE OSWEGO	34,005	229	673.4	57	63	22	11	12	9	5	5	3
LEBANON	11,995	191	1,592.3	50	37	17	13	5	10	3	6	2
MCMINNVILLE	22,880	227	992.1	61	52	24	13	6	9	10	2	4
MEDFORD	57,155	728	1,273.7	199	174	70	42	21	30	19	20	17
MILWAUKIE	20,065	549	2,736.1	152	120	52	29	15	20	14	16	12
NEWBERG	16,160	145	897.3	39	19	17	9	3	3	9	4	3
OREGON CITY	20,410	242	1,185.7	71	50	23	17	6	8	6	8	5
PENDLETON	15,900	143	899.4	40	32	13	3	7	8	6	3	1
PORTLAND	503,000	4,882	970.6	1,230	1,085	416	266	222	182	110	124	90
REDMOND	11,175	117	1,047.0	38	25	12	4	8	3	3	2	-
ROSEBURG	19,720	299	1,516.2	87	53	20	23	19	6	12	11	5
SALEM	120,835	1,349	1,116.4	340	299	171	80	59	28	29	37	23
SPRINGFIELD	50,140	508	1,013.2	138	116	43	39	17	16	15	16	9
THE DALLES	11,460	168	1,466.0	42	28	23	6	6	8	9	2	3
TIGARD	35,925	394	1,096.7	97	98	42	10	18	16	15	8	4
TROUTDALE	12,750	44	345.1	11	14	3	4	1	-	2	2	2
TUALATIN	20,040	65	324.4	13	25	4	7	-	1	-	1	2
WEST LINN	19,960	107	536.1	29	27	8	3	6	6	4	2	3
WILSONVILLE	10,600	83	783.0	17	23	8	8	3	1	4	2	4
WOODBURN	15,780	239	1,514.6	76	54	27	12	14	10	6	2	3

- Quantity is zero.

* Rates per 100,000 population.

TABLE 6-38.
UNINTENTIONAL DEATHS DUE TO DROWNINGS OCCURRING IN OREGON,
BY SEX, AGE, COUNTY OF INJURY, AND MANNER OF DROWNING, 1996

DEMOGRAPHIC CHARACTERISTICS	TOTAL	BOATING	RECREATION	NON-RECREATION	BATHTUB	FALL INTO WATER	SWIMMING POOL & NOT STATED
TOTAL	58	8	17	2	7	5	19
SEX							
MALE	46	8	15	2	5	5	11
FEMALE	12	-	2	-	2	-	8
AGE							
<1	-	-	-	-	-	-	-
1-4	5	1	-	-	1	1	2
5-14	12	-	4	-	2	-	6
15-17	2	-	1	-	-	-	1
18-19	5	-	3	-	-	-	2
20-24	7	-	3	1	1	1	1
25-34	7	1	3	1	-	1	1
35-44	7	1	2	-	-	2	2
45-54	7	3	1	-	2	-	1
55-64	5	2	-	-	1	-	2
65-74	1	-	-	-	-	-	1
75+	-	-	-	-	-	-	-
COUNTY							
BAKER	1	-	-	1	-	-	-
CLACKAMAS	6	1	2	-	1	-	2
CLATSOP	2	1	-	-	1	-	-
COOS	1	1	-	-	-	-	-
CROOK	2	1	1	-	-	-	-
DESCHUTES	1	1	-	-	-	-	-
DOUGLAS	4	1	1	1	1	-	-
JACKSON	2	-	-	-	-	2	-
JEFFERSON	1	-	1	-	-	-	-
JOSEPHINE	1	-	1	-	-	-	-
KLAMATH	1	-	-	-	-	1	-
LANE	3	-	3	-	-	-	-
LINCOLN	5	-	2	-	-	-	3
LINN	3	-	1	-	-	1	1
MARION	6	-	-	-	1	1	4
MULTNOMAH	9	1	3	-	2	-	3
POLK	2	-	-	-	1	-	1
TILLAMOOK	1	-	1	-	-	-	-
UMATILLA	1	-	-	-	-	-	1
UNION	3	1	-	-	-	-	2
WASCO	1	-	1	-	-	-	-
WASHINGTON	2	-	-	-	-	-	2

NOTE: Boating includes all unintentional drownings resulting from boating mishaps but not deaths resulting from voluntarily jumping from a boat. Recreation includes water skiing, scuba diving, playing in water, etc. Non-recreation includes the (attempted) rescue of another person and other non-recreational swimming. Only counties with at least one drowning death are shown.

TABLE 6-39.
SELECTED CAUSES OF DEATH AMONG INFANTS, CHILDREN, AND ADOLESCENTS,
BY AGE, OREGON RESIDENTS LESS THAN 20 YEARS OLD, 1996

CAUSE OF DEATH	TOTAL	AGE GROUPS								
		0-17	1-17	13-19	UNDER 1	1-4	5-9	10-14	15-17	18-19
TOTAL	587	505	261	194	244	69	46	63	83	82
TOTAL NATURAL CAUSES	323	311	92	40	219	32	17	24	19	12
SIDS	95	95	5	-	90	4	1	-	-	-
PERINATAL CONDITIONS	67	66	14	2	52	9	2	2	1	1
CONGENITAL ANOMALIES	47	47	-	-	47	-	-	-	-	-
CANCER	23	19	19	15	-	4	4	1	10	4
HEART DISEASE	17	16	6	4	10	2	-	3	1	1
PNEUMONIA & INFLUENZA	5	5	2	2	3	-	-	1	1	-
CEREBRAL PALSY	4	3	3	1	-	3	-	-	-	1
MENINGOCOCCAL INFECTION	4	3	3	1	-	3	-	-	-	1
OTHER	65	60	43	16	17	10	10	17	6	5
TOTAL EXTERNAL CAUSES	264	194	169	154	25	37	29	39	64	70
UNINTENTIONAL INJURIES	179	132	124	107	8	28	23	27	46	47
MOTOR VEHICLE CRASH	112	73	69	81	4	9	12	14	34	39
DROWNING ¹	23	19	19	9	-	6	5	6	2	4
FIRES	14	13	13	2	-	7	3	2	1	1
SUFFOCATION	10	10	6	1	4	5	-	-	1	-
GUNSHOT WOUND	6	4	4	5	-	-	1	1	2	2
FALLS	3	3	3	2	-	-	-	1	2	-
POISONING (EXCEPT GAS)	2	2	2	2	-	-	-	1	1	-
OTHER	9	8	8	5	-	1	2	2	3	1
SUICIDE	38	23	23	34	-	-	-	10	13	15
GUNSHOT WOUND	24	14	14	23	-	-	-	3	11	10
HANGING	12	8	8	9	-	-	-	7	1	4
OTHER	2	1	1	2	-	-	-	-	1	1
HOMICIDE	34	27	21	12	6	9	6	1	5	7
GUNSHOT WOUND	9	3	3	8	-	-	1	-	2	6
CUTTING	3	3	3	1	-	1	1	-	1	-
CHILD ABUSE/NEGLECT	11	11	6	-	5	6	-	-	-	-
OTHER	11	10	9	3	1	2	4	1	2	1
UNDETERMINED MANNER	13	12	1	1	11	-	-	1	-	1
OTHER	13	12	1	1	11	-	-	1	-	1
GUNSHOT (ANY MANNER)	39	21	21	36	-	-	2	4	15	18
DRUG OVERDOSE ² (ANY MANNER)	2	2	1	1	1	-	-	-	1	-

¹ Includes both drownings that involved watercraft (ICD9: 830, 832) as well as those that did not (ICD9: 910).

² Includes overdoses of alcohol and other drugs by the decedents, as well as fetal/newborn deaths resulting from mother's substance abuse during pregnancy.

TABLE 6-40.
PLACE OF DEATH BY SEX, AGE, AND SELECTED CAUSES OF DEATH,
OREGON RESIDENTS, 1996

SEX, AGE, AND CAUSE	TOTAL		HOSPITAL		GOV'T INST		NURSING HOME		JAIL		HOME		OTHER	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
TOTAL	28,900	100.0	9,039	31.3	312	1.1	9,059	31.3	21	0.1	9,107	31.5	1,362	4.7
SEX														
MALES	14,694	100.0	4,906	33.4	296	2.0	3,550	24.2	20	0.1	5,010	34.1	912	6.2
FEMALES	14,206	100.0	4,133	29.1	16	0.1	5,509	38.8	1	0.0	4,097	28.8	450	3.2
AGE GROUPS														
< 1	244	100.0	205	84.0	-	-	3	1.2	-	-	25	10.2	11	4.5
1-4	69	100.0	43	62.3	-	-	3	4.3	-	-	16	23.2	7	10.1
5-14	109	100.0	63	57.8	-	-	-	-	-	-	23	21.1	23	21.1
15-24	379	100.0	102	26.9	-	-	5	1.3	3	0.8	91	24.0	178	47.0
25-34	565	100.0	163	28.8	2	0.4	24	4.2	3	0.5	184	32.6	189	33.5
35-44	1,058	100.0	353	33.4	4	0.4	73	6.9	6	0.6	410	38.8	212	20.0
45-54	1,550	100.0	588	37.9	21	1.4	126	8.1	2	0.1	652	42.1	161	10.4
55-64	2,606	100.0	1,010	38.8	51	2.0	283	10.9	3	0.1	1,105	42.4	154	5.9
65-74	5,605	100.0	2,109	37.6	118	2.1	994	17.7	3	0.1	2,202	39.3	179	3.2
75-84	8,778	100.0	2,762	31.5	85	1.0	2,998	34.2	1	0.0	2,766	31.5	166	1.9
85-94	6,698	100.0	1,478	22.1	26	0.4	3,693	55.1	-	-	1,425	21.3	76	1.1
95+	1,239	100.0	163	13.2	5	0.4	857	69.2	-	-	208	16.8	6	0.5
CAUSE														
HEART DISEASE	7,676	100.0	2,889	37.6	61	0.8	2,205	28.7	3	0.0	2,268	29.5	250	3.3
CANCER	6,784	100.0	1,382	20.4	83	1.2	1,514	22.3	3	0.0	3,616	53.3	186	2.7
CEREBROVASCULAR DISEASE	2,632	100.0	848	32.2	18	0.7	1,400	53.2	-	-	353	13.4	13	0.5
COPD	1,676	100.0	591	35.3	26	1.6	518	30.9	-	-	520	31.0	21	1.3
UNINTENTIONAL INJURIES	1,295	100.0	455	35.1	2	0.2	125	9.7	2	0.2	177	13.7	534	41.2
PNEUMONIA & INFLUENZA	946	100.0	364	38.5	21	2.2	490	51.8	-	-	69	7.3	2	0.2
ALZHEIMER'S	740	100.0	27	3.6	10	1.4	588	79.5	-	-	106	14.3	9	1.2
DIABETES MELLITUS	739	100.0	239	32.3	7	0.9	254	34.4	-	-	225	30.4	14	1.9
SUICIDE	533	100.0	58	10.9	1	0.2	2	0.4	10	1.9	323	60.6	139	26.1
ALCOHOLIC DISEASES	409	100.0	199	48.7	14	3.4	64	15.6	-	-	122	29.8	10	2.4
OTHER ARTERY DISEASE	372	100.0	254	68.3	6	1.6	58	15.6	-	-	49	13.2	5	1.3
ARTERIOSCLEROSIS	256	100.0	61	23.8	-	-	138	53.9	-	-	55	21.5	2	0.8
AIDS	223	100.0	57	25.6	3	1.3	52	23.3	1	0.4	100	44.8	10	4.5
HYPERTENSION	194	100.0	47	24.2	2	1.0	75	38.7	-	-	68	35.1	2	1.0
HOMICIDE	152	100.0	33	21.7	-	-	1	0.7	1	0.7	51	33.6	66	43.4
CONGENITAL ANOMALIES	143	100.0	91	63.6	-	-	15	10.5	-	-	33	23.1	4	2.8
PERINATAL CONDITIONS	95	100.0	88	92.6	-	-	3	3.2	-	-	4	4.2	-	-
SIDS	47	100.0	30	63.8	-	-	2	4.3	-	-	9	19.1	6	12.8

TABLE 6-41.
DEATH RATES FOR SELECTED LEADING CAUSES OF MORTALITY,
UNITED STATES, 1981-1996

YEAR	TOTAL	HEART DISEASE	CANCER	CEREBROVASCULAR DISEASE	CHRONIC OBSTRUCTIVE PULMONARY DISEASE ¹	UNINTENTIONAL INJURIES	PNEUMONIA AND INFLUENZA	SUICIDE	DIABETES
1981	862.4	328.7	184.0	71.3	25.7	43.9	23.4	12.0	15.1
1982	852.0	326.0	187.2	68.0	25.8	40.6	21.1	12.2	14.9
1983	862.8	329.2	189.3	66.5	28.3	39.5	23.9	12.1	15.5
1984	862.3	323.5	191.8	65.3	29.2	39.3	24.9	12.4	15.1
1985	873.9	323.0	193.3	64.1	31.3	39.1	28.3	12.3	15.5
1986	873.2	317.5	194.7	62.1	31.8	39.5	29.0	12.8	15.4
1987	874.2	312.4	195.9	61.6	32.2	39.0	28.4	12.7	15.8
1988	882.0	311.3	197.3	61.2	33.7	39.5	31.6	12.4	16.4
1989	866.3	295.6	199.9	58.6	34.0	38.3	30.8	12.2	18.9
1990	863.8	289.5	203.2	57.9	34.9	37.0	32.0	12.4	19.2
1991	860.3	285.9	204.1	56.9	35.9	35.4	30.9	12.2	19.4
1992	852.9	281.4	204.1	56.4	36.0	34.0	29.7	12.0	19.6
1993	880.0	288.4	205.6	58.2	39.2	35.1	32.1	12.1	20.9
1994	875.4	281.3	205.2	58.9	39.0	35.1	31.3	12.0	21.8
1995	880.0	280.7	204.9	60.1	39.2	35.5	31.6	11.9	22.6
1996	872.5	276.4	203.4	60.3	40.0	35.8	31.6	11.6	23.3

YEAR	ARTERIOSCLEROSIS	ALZHEIMER'S DISEASE ²	PERINATAL CONDITIONS	HOMICIDE ³	HYPERTENSION	ACQUIRED IMMUNE DEFICIENCY SYNDROME	PARKINSON'S DISEASE	CONGENITAL ANOMALIES	SUDDEN INFANT DEATH SYNDROME
1981	12.2	0.9	9.4	10.3	3.3	-	1.7	5.9	2.3
1982	11.6	1.2	9.0	9.6	3.3	-	1.8	5.9	2.3
1983	11.3	2.1	8.3	8.6	3.3	-	2.0	5.6	2.3
1984	10.3	2.9	8.0	8.4	3.3	-	2.1	5.5	2.2
1985	10.0	3.9	8.1	8.3	3.2	-	2.2	5.4	2.2
1986	9.4	4.5	7.6	9.0	3.3	-	2.3	5.2	2.2
1987	9.2	5.4	7.5	8.7	3.3	5.5	2.6	5.1	2.1
1988	9.0	6.2	7.4	9.0	3.4	6.8	2.6	5.2	2.2
1989	7.8	6.6	7.6	9.2	3.5	8.9	2.8	5.2	2.3
1990	7.3	7.1	7.1	10.0	3.7	10.1	2.9	5.3	2.2
1991	6.9	7.4	6.7	10.5	3.8	11.7	3.0	5.0	2.1
1992	6.6	7.7	6.2	10.0	4.0	13.2	3.0	4.9	1.9
1993	6.7	9.1	5.9	10.1	4.4	14.5	3.5	4.8	2.1
1994	6.6	10.4	5.6	9.6	4.5	16.2	3.8	4.6	1.8
1995	6.4	11.8	5.1	8.7	4.7	16.4	4.1	4.6	1.3
1996	6.3	8.1	4.9	7.9	4.9	11.7	-	4.5	1.0

All rates per 100,000 population. A "-" indicates that the data is not available.

¹ COPD consists principally of bronchitis, emphysema, asthma, and chronic airway obstruction.

² Including Alzheimer's dementia.

³ Including legal intervention.

TABLE 6-42.
AGE-ADJUSTED DEATH RATES FOR RESIDENTS OF OREGON AND
THE UNITED STATES FOR THE LEADING CAUSES OF DEATH, 1995*

CAUSE ¹	AGE-ADJUSTED RATE ²		PERCENT DIFFERENCE	STATE RANK ³	ICD-9 CODES ⁴
	U.S.	OREGON			
TOTAL	503.7	469.7	-6.8	32	001-999
DISEASES OF THE HEART	138.0	107.6	-22.0	45	390-398, 402, 404-425.4, 425.6-429.9
MALIGNANT NEOPLASMS	129.9	5.5	-3.4	33	140-208
CEREBROVASCULAR DISEASE	26.6	29.5	10.9	12	430-438
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	20.7	22.7	9.7	17	490-496
UNINTENDED INJURIES	30.5	36.4	19.3	17	800-949
PNEUMONIA AND INFLUENZA	13.0	10.2	-21.5	45	480-487
DIABETES MELLITUS	13.3	11.8	-11.3	32	250
ALZHEIMER'S DISEASE	4.1	6.4	56.1	3	290.1, 331.0
SUICIDE	11.3	14.7	30.1	10	950-959
OTHER DISEASES OF THE ARTERIES	5.3	5.3	0.0	24	441-448
ALCOHOLISM AND ALLIED CONDITIONS	6.5	8.2	26.2	12	291, 303.0, 305.0, 357.5, 425.5, 535.3, 571.0-571.3
ACQUIRED IMMUNE DEFICIENCY SYNDROME	15.6	8.6	-44.9	29	042-044
ARTERIOSCLEROSIS	2.3	3.2	39.1	8	440
HYPERTENSION WITH OR WITHOUT RENAL DISEASE	2.2	1.9	-13.6	27	401, 403
PARKINSONISM	1.6	2.6	62.5	1	332
HOMICIDE AND LEGAL INTERVENTION	9.5	5.2	-45.3	36	960-979
CONGENITAL ANOMALIES	4.4	4.0	-9.1	36	740-759
NEPHRITIS AND NEPHROSIS	4.5	2.7	-40.0	45	580-586
SEPTICEMIA	4.0	2.3	-42.5	44	038
HERNIA AND INTESTINAL OBSTRUCTION	0.9	1.1	22.2	17	550-553, 560
PERINATAL CONDITIONS	5.2	2.7	-48.1	50	760-779

1 Listed in rank order by the number of deaths to Oregon residents.

2 Rates are adjusted to the U.S. standard million population and are per 100,000. Age-adjusted death rates allow the comparison of Oregon and the U.S. as if the population structure of each were identical. (Oregon's population is older than the U.S. as a whole.) Any differences in rates are due to factors other than age. The rates in this table were calculated using the federal Center for Disease Control and Prevention's (CDC) WONDER (Wide-Ranging Online Data for Epidemiological Research) system. These rates vary slightly from rates published by the National Center for Health Statistics because of different population estimate methodologies.

3 Ranked from high (1) to low (51) among the 50 states and the District of Columbia.

4 From the World Health Organization's International Classification of Disease, Ninth Edition.

*This table shows 1995 data because 1996 age-adjusted data were not available from the CDC.

Fetal and Infant Mortality

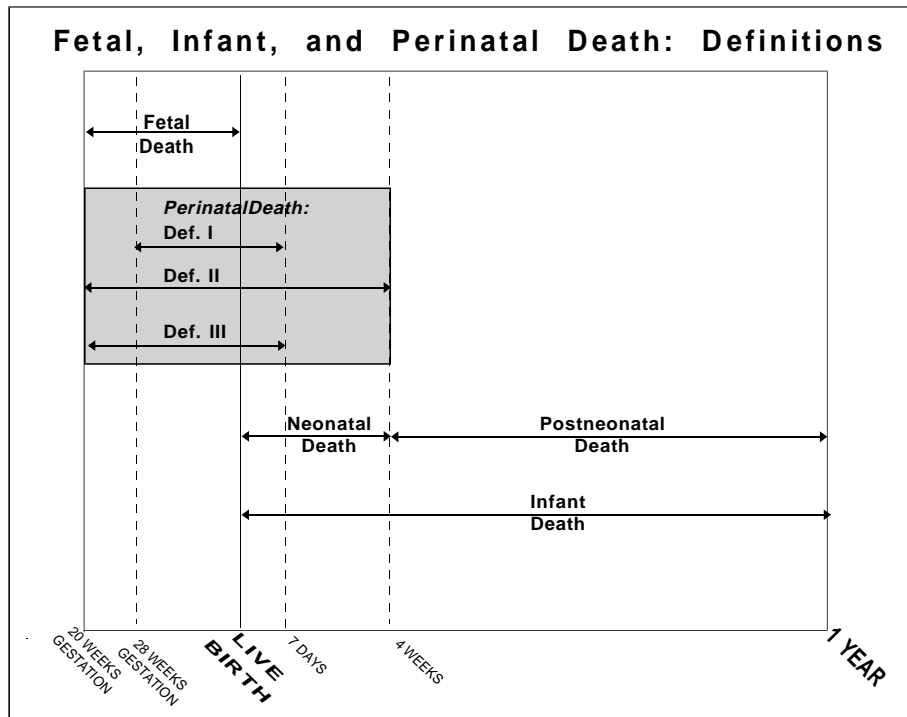
INTRODUCTION

This report presents fetal and infant mortality data spanning the period of 20 weeks gestation through one year after birth. Although fetal and infant deaths are useful in statistically describing deaths within a given time frame, their fundamental purpose is to assist in discovering and evaluating preventive strategies to improve infant health. As an aid to understanding and monitoring health trends, this report divides fetal and infant deaths into five categories, which overlap and are not necessarily mutually exclusive: (1) fetal deaths, (2) perinatal deaths, (3) infant deaths, (4) neonatal deaths, and (5) postneonatal deaths, as defined by the National Center for Health Statistics (see diagram; definitions can be found below).

This report analyzes the above categories using these three databases: (1) fetal death cohort, (2) death cohort, and (3) birth cohort (see definitions below). National publications covering the subject may use one or any combination of these databases. As a result, death rates often vary slightly depending on which cohort was used as the source of the statistical data. Throughout this report, some tables display rates and ratios based on small numbers of events; therefore, use great caution in inferring causal relationships based solely on the data contained in these tables.

DEFINITIONS AND METHODOLOGY

Before analyzing fetal and infant death data, it is necessary to define their different components.

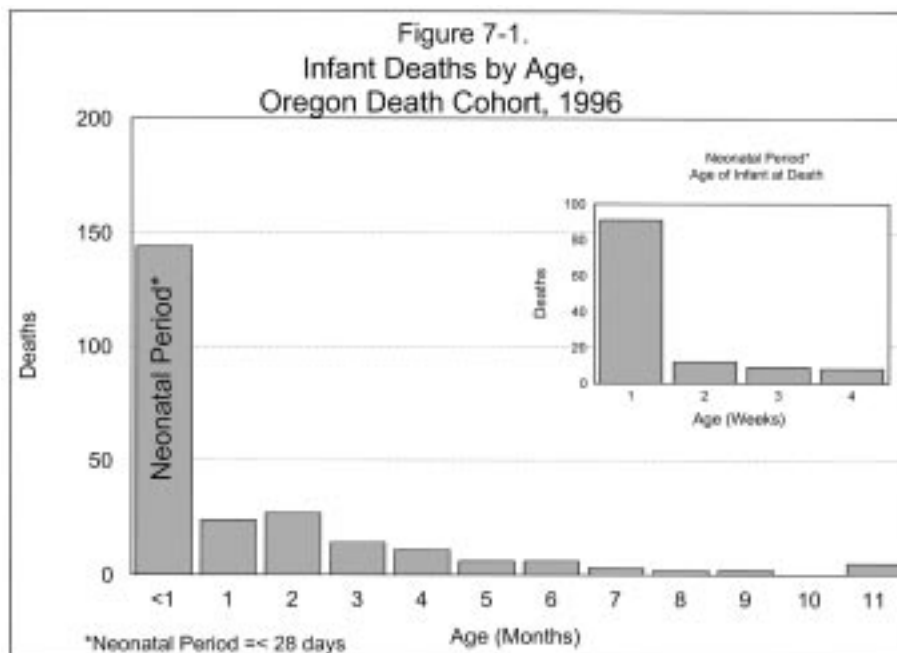


- **Fetal deaths** are those that occur after 20 weeks gestation in which the developing fetus dies either in utero or upon delivery. They are classified as “early” (20-27 weeks gestation) or “late” (28 weeks gestation or more), and Oregon Public Health and Safety Laws require that they be reported.
- **Infant deaths** are those that occur during a child's first year (i.e., measured from birth through 364 days). Infant deaths include both neonatal and postneonatal deaths.

Neonatal deaths occur during the first 27 days of life. Neonatal deaths may be “early” (under 7 days) or “late” (7-27 days).

Postneonatal deaths occur from day 28 through day 364 after birth.

- **Perinatal deaths—definition I** includes fetal deaths at 28 weeks gestation or more, and infant deaths of less than 7 days.
- **Perinatal deaths—definition II** includes fetal deaths at 20 weeks gestation or more and infant deaths of less than 28 days.
- A **fetal death cohort** includes all fetal deaths of at least 20 weeks gestation that occurred in any given calendar year.
- A **death cohort** includes all infant deaths that occurred in any given calendar year, regardless of birth year. In this report, the death cohort consists of those infants who died in 1996.
- A **birth cohort** includes all infants born in the same calendar year who die within one year of their birth. In this report, the birth cohort consists of those infants who were born in 1995 and died in either 1995 or 1996.



USE OF THE 1996 DEATH COHORT

This report uses data from the 1996 death cohort as the basis for analyzing infant deaths without maternal or birth characteristics, a standard demographic and health-status monitoring technique that yields the most timely and current information. Consistent longitudinal or historical data can be found more easily at national and local levels with a death cohort because its use does not involve matching corresponding birth records.

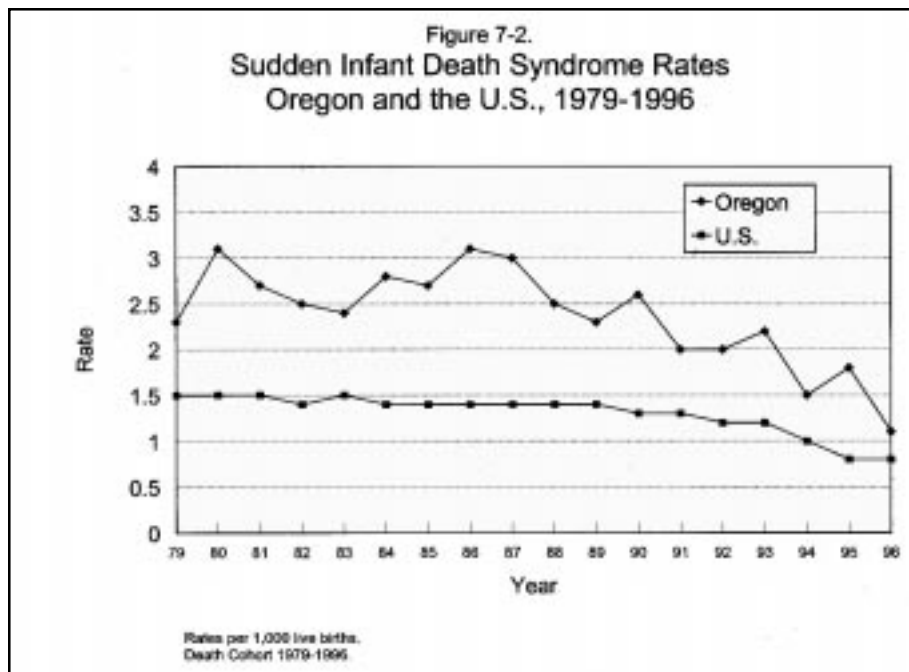
Infant characteristics at the time of death are derived from death certificates. The characteristics of most interest are: age at death, county of residence at death, and underlying cause of death. Total age-specific and cause-specific mortality ratios are computed by dividing the number of infant deaths in a calendar year by the number of births in the same calendar year.

INFANT DEATH: BASIC FACTS

Here are the basic statistics on infant deaths in Oregon during 1996:

- 244 infants under age one died.
- The infant death rate of 5.6 per 1,000 births decreased 8.2 percent from the previous year.
- Oregon's infant death rate is 23 percent lower than the U.S. 1996 rate of 7.3 per 1,000 births. [Table 5-1].
- Most infants who died during 1996 were under 28 days old. [Figure 7-1]. Nearly four out of five (79%) of these neonatal deaths occurred within the first week of life.
- Washington County's infant death rate (3.8 per 1,000 births) was statistically significantly lower than the rate of the state as a whole. [Table 7-1].

***During 1996;
244 infants under
age one died.***



Sudden Infant Death Syndrome

Sudden Infant Death Syndrome (SIDS) is the sudden and unexpected death of an apparently healthy infant under one year of age. Historically it has been the leading cause of death for Oregon infants, most of which occur during the postneonatal period.[Figure 7-2].

The number of SIDS deaths dropped to 47 in 1996 from 76 deaths in 1995. In 1996 SIDS accounted for 19 percent of the state's total infant deaths and 43 percent of all postneonatal deaths. The 1996 Oregon SIDS death rate was 1.1 deaths per 1,000 live births, a 39 percent decrease from the 1995 rate of 1.8. The SIDS rate for 1996 is the lowest Oregon has recorded since the Health Division began tracking SIDS rates in 1979. [Figure 7-2].

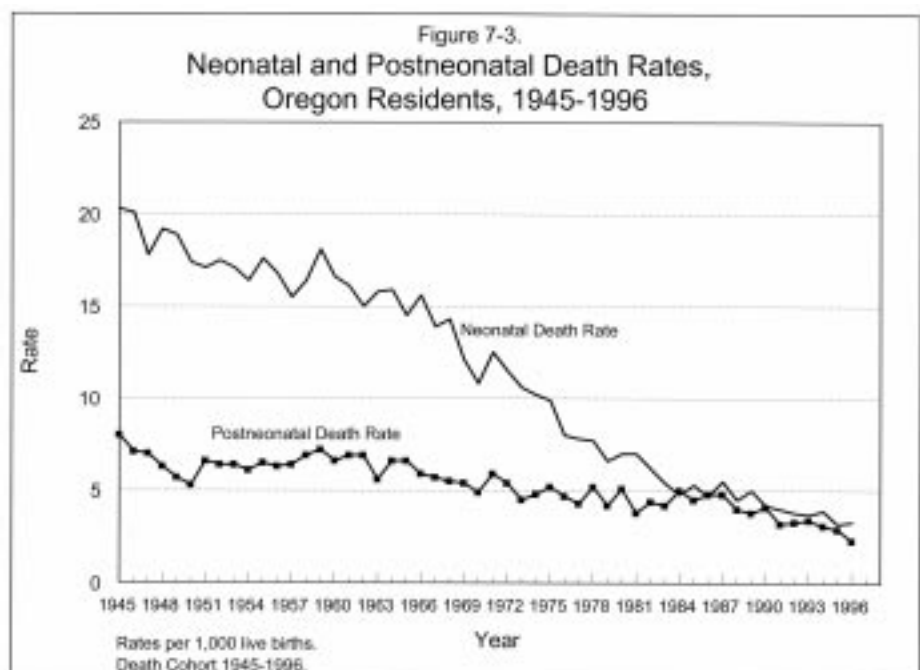
The 1996 rate of SIDS deaths in Oregon remained 27 percent higher than the 1996 U.S. rate (0.8 per 1,000 live births). Nationally, SIDS was responsible for 3,050 deaths in 1996 making it the third leading cause of infant mortality. [Figure 7-2].

***SIDS deaths
dropped from
76 in 1995 to
47 in 1996.***

NEONATAL DEATH

Neonatal and postneonatal death rates have been declining since 1945, when the neonatal death rate was 29.0 per 1,000 births and the postneonatal death rate was 15.0 per 1,000 births. In 1996, the neonatal death rate was 3.3 per 1,000 births and the postneonatal death rate was 2.3 per 1,000 births. [Figure 7-3].

In 1996, 145 infants died during the neonatal period, a 5.8 percent increase from the 137 deaths that occurred in 1995. Oregon's neonatal death rate has consistently been below that of the U.S. [Figure 7-4]. In 1996, the state's rate was 3.3 per 1,000 live births, near 1995's record low of 3.2 and 31 percent lower than the national rate of 4.8. [Tables 5-2 and 5-4]. As in previous years congenital





anomalies were responsible for more neonatal deaths (28%) than any other cause. [Table 7-2]. During the period from 1989 to 1996 the neonatal death rate for Respiratory Distress Syndrome (RDS) decreased from 77.6 to 11.5 per 100,000 live births, an 85 percent decrease (see sidebar). The number of neonatal deaths due to RDS decreased from 32 in 1989 to 5 in 1996. [See sidebar].

POSTNEONATAL DEATH

In 1996, 99 infants died during the postneonatal period, representing 41 percent of all infant deaths. The postneonatal death rate (2.3 per 1,000 live births) is Oregon's lowest recorded rate. [Table 5-4] No Oregon county had a rate that was statistically significantly different from the state rate.[Table 7-1].

Oregon's postneonatal death rate has typically been higher than the U.S. rate; however, in 1996, the state rate was 8 percent lower than that of the U.S. (2.5 per 1,000 live births).¹

FETAL DEATH

In 1996 there were 251 Oregon resident fetal deaths, representing a 5.2 percent increase in the fetal death rate from the preceding year (5.8 in 1996 versus 5.5 in 1995) (see sidebar). Fetal deaths were first reported to the Health Division in 1928, when the ratio was 29.0 for every 1,000 live births. Since then the ratio has followed a general downward trend, and remained near 6.0 for over a decade. [Figure 7-5].

Oregon's fetal death ratio has been typically lower than the U.S. ratio. In fact, in 1991, the most recent comparison available, Oregon's ratio was 16 percent lower than that of the U.S. (6.1 vs. 7.3). [Table 5-1].

NEONATAL DEATHS DUE TO RESPIRATORY DISTRESS SYNDROME			
YEAR	NUMBER	PERCENT	RATE *
1989	32	15.6	77.6
1990	12	6.7	28.0
1991	9	5.2	21.2
1992	7	4.1	16.7
1993	7	4.5	16.8
1994	10	6.1	23.9
1995	4	2.9	9.4
1996	5	3.4	11.5

* Per 100,000 live births.

AGE	FETAL DEATH RATIOS PER 1,000 LIVE BIRTHS BY MOTHER'S AGE				
	1996	1995	1994	1993	1992
TOTAL	5.8	5.5	5.4	4.9	5.8
15-44	5.7	5.5	5.3	4.9	5.8
15-19	6.7	6.4	6.7	4.1	5.1
20-24	5.9	5.4	4.5	4.0	6.4
25-29	4.3	4.8	4.4	5.0	4.7
30-34	5.7	4.8	4.5	4.1	5.6
35-39	6.9	7.1	9.2	8.1	7.7
40-44	8.3	13.0	11.6	15.0	40.0

Cause of Death

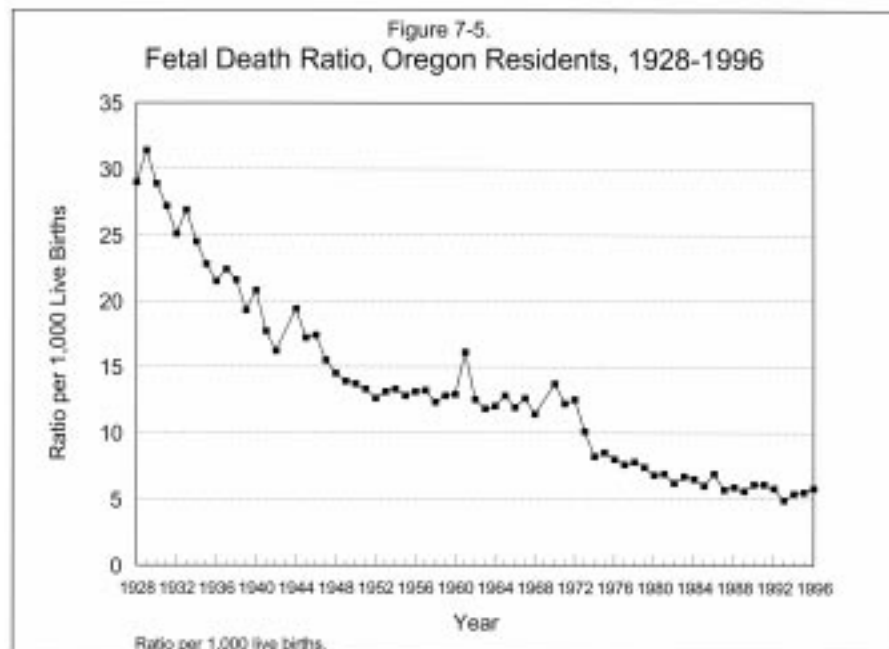
Causes of Oregon's 251 fetal deaths in 1996 are shown in Table 7-4. The most frequently reported cause of fetal death in 1996 (n=112) was the residual category "other and ill defined." The second leading cause, "complications of the placenta, cord and membranes," totaled 75 deaths. Congenital anomalies with 25 deaths was third. Maternal complications of pregnancy and "short gestation and low birthweight" (10 deaths each) were tied for fourth. The first three causes of death represented 84 percent of all 1996 Oregon fetal deaths. There was little change in the distribution of deaths by cause compared to previous years.

USE OF THE 1995 BIRTH COHORT

Methodology

Infant and perinatal death statistics can also be determined by use of a birth cohort, with all rates and ratios based on the number of births and fetal deaths that occurred in 1995. Because birth cohorts contain infants who die within their first year of life, some die during the following calendar year, thus requiring the inclusion of 1995 data in the 1996 report. For illustration, of the 253 deaths of infants born in 1995, 219 died in calendar year 1995 and 34 died in calendar year 1996; only the 34 infants who died during 1996 are represented in the 1996 death cohort.

The Center for Health Statistics has produced tables containing infant and perinatal death data from the birth, fetal death, and matched infant death files. These birth cohort tables display data for infant and perinatal deaths according to several maternal risk factors and low birthweight. Additionally, this report presents neonatal and postneonatal deaths that were matched to their corresponding birth. Thus, a birth occurring at the end of December 1995 may have a matched postneonatal death that occurred up to one year later, near the end of December 1996.



Use of a birth cohort from a matched birth and death file allows analysis of characteristics of an infant's mother during pregnancy and delivery. These are the characteristics of interest: mother's marital status, age, ethnicity, race, education, start of prenatal care, tobacco use, and alcohol use. The characteristics of the infant that are derived from the birth certificate and fetal death certificate include birthweight, gestational age, and county of residence at time of birth.

Small Numbers

Because of the small numbers of events in some of the risk-factor categories, this report uses three-year groupings of the risk characteristics to improve statistical reliability. Single-year tables displaying risk factors are also included for comparison with statistics of prior years, but the analysis of risk factors and maternal characteristics are done using only the three-year tables.

Perinatal Deaths

Beginning with data for 1979 the National Center for Health Statistics (NCHS) started publishing statistics for three perinatal definitions²: Perinatal definition I, Perinatal definition II, and Perinatal definition III. Beginning with the birth cohort data for 1991 the Oregon Center for Health Statistics added statistics to the annual report to include the NCHS perinatal definitions. Based on feedback from Oregon physicians, Perinatal definition III was found not to be useful and was subsequently dropped from these tables. This report focuses on neonatal deaths because the relationships among the independent variables are similar to those of Perinatal definition I and postneonatal deaths. (Please refer to page 7-1 for definitions). Perinatal death statistics are included within tables 7-13 through 7-16 to assist in international comparisons of data.

NEONATAL DEATHS 1993-1995

The mothers of infants who died during the neonatal period had various characteristics that may have affected the outcome of their pregnancies. These include marital status, age, ethnicity and race, education, prenatal care, tobacco use, and alcohol use. [Table 7-16].

Birthweight

The birthweight of an infant has long been a predictor of subsequent survival. An increase in birthweight is correlated with a decrease in the risk of neonatal death. For the period 1993-1995 the neonatal death rate generally decreased by one-half or more for each subsequent 250- to 500-gram increase in weight. [Table 7-12]. Nearly all the infants weighing less than 500 grams died. The death rate for infants weighing less than 500 grams was 941.2 per 1,000 live births, decreasing to 1.1 per 1,000 live births for infants weighing more than 2,500 grams. [Figure 7-6].

Many of the same behavioral, social, and medical conditions associated with higher rates of infant deaths are also associated with lower birthweights, and some are highly associated with one another. This report does not try to account for or hold all these

variables constant in relation to each other. Instead, it presents a simple descriptive analysis. Most variables have confounding or mitigating effects on each other.

Maternal Characteristics

Though most women reported being married at the time of birth, the neonatal death rate was statistically significantly higher for unmarried women (4.8 versus 3.1 per 1,000). [Table 7-18]. Women who completed only grade school had a statistically significantly higher neonatal death rate than women who completed high school (5.8 versus 3.2). [Table 7-18].

The neonatal death rate for the children of African American women was significantly higher statistically when compared to all other racial/ethnic groups combined (7.1 vs. 3.5 per 1,000). [Table 7-18].

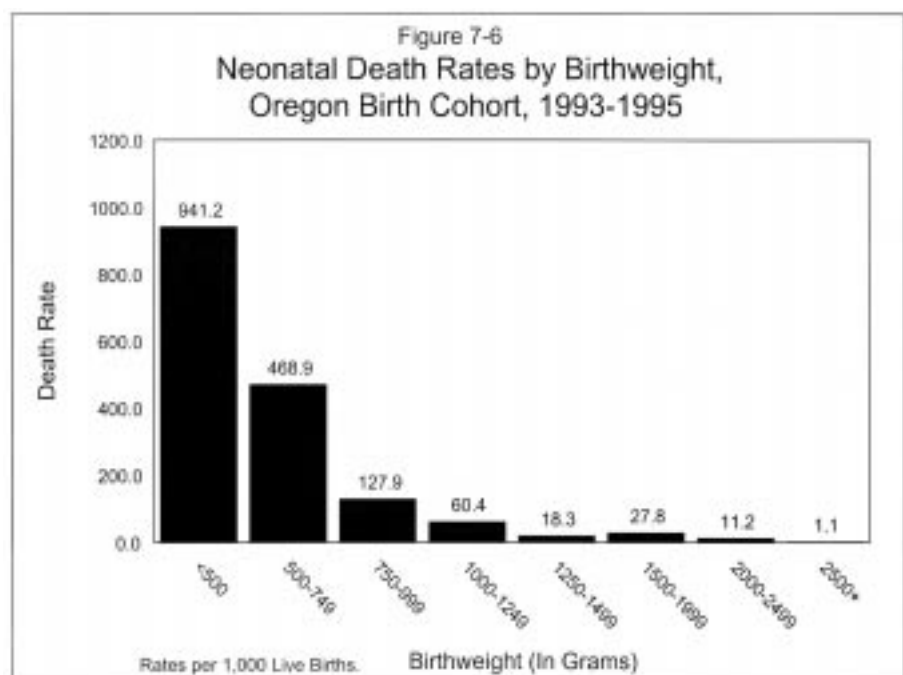
***Birthweight
has long been a
predictor of
survival.***

Prenatal Care

Women who received no prenatal care had a statistically significantly higher neonatal death rate than women who received any prenatal care (32.7 versus 3.3 per 1,000). Among women who received prenatal care, those who began care in the first or second trimester displayed higher rates (3.3 and 3.7 per 1,000 births, respectively), than those receiving care beginning in the third trimester (1.9 per 1,000). [Table 7-18].

Tobacco/Alcohol Use

Among women who had infants die during the neonatal period, 21 percent reported using tobacco during their pregnancy. The infants of these women had a higher neonatal death rate compared to those women who did not use tobacco (4.0 versus 3.4 per 1,000). Approximately three percent (3.2%) of the mothers whose infants died during the neonatal period reported using alcohol during their



pregnancy. Women who reported using alcohol during pregnancy had a higher neonatal death rate than women who reported no alcohol use during pregnancy (4.1 versus 3.4 per 1,000). [Table 7-18].

There may be under-reporting of alcohol and tobacco use, thereby lowering the neonatal death rates for this category by eliminating high-risk people from the analysis.

POSTNEONATAL DEATHS 1993-1995

The demographic factors among mothers whose infants died in the postneonatal period are similar to the general patterns of statistically significant differences that were found among mothers whose infants died in the neonatal period. A greater disparity during the postneonatal period exists according to marital status, age grouping, and tobacco and alcohol use. [Table 7-18].

REFERENCES

1 Peters KD, Kochonek KD, Murphy SL. Deaths: Final Data for 1996. National Vital Statistics Reports; vol 47 no 9, supp. Hyattsville, Maryland: National Center for Health Statistics. 1998.

2 Hoyert, D.L. "Perinatal Mortality in the United States:1985-91." U.S. Department of Health and Human Services, Public Health Services, Centers for Disease Control and Prevention, National Center for Health Statistics, 20 (26) August 1995.

TABLE 7-1.
INFANT DEATHS BY AGE AND COUNTY OF RESIDENCE, OREGON, 1996

COUNTY OF RESIDENCE	TOTAL INFANT DEATHS	INFANT DEATH RATE ¹	NEONATAL DEATHS (AGE < 28 DAYS)				NEONATAL RATE ¹	POST-NEONATAL DEATHS	POST-NEONATAL RATE ¹
			TOTAL NEONATAL	< 1 DAY	1-6 DAYS	7-27 DAYS			
TOTAL	244	5.6	145	90	24	31	3.3	99	2.3
BAKER	-	-	-	-	-	-	-	-	-
BENTON	4	4.8	3	1	1	1	3.6	1	1.2
CLACKAMAS	25	6.2	17	7	5	5	4.2	8	2.0
CLATSOP	1	2.5	1	-	-	1	2.5	-	-
COLUMBIA	3	5.9	2	2	-	-	3.9	1	2.0
COOS	4	6.2	1	1	-	-	1.6	3	4.7
CROOK	-	-	-	-	-	-	-	-	-
CURRY	2	11.1	2	1	-	1	11.1	-	-
DESCHUTES	7	5.4	3	3	-	-	2.3	4	3.1
DOUGLAS	6	5.4	4	4	-	-	3.6	2	1.8
GILLIAM	-	-	-	-	-	-	-	-	-
GRANT	-	-	-	-	-	-	-	-	-
HARNEY	-	-	-	-	-	-	-	-	-
HOOD RIVER	1	3.3	1	-	1	-	3.3	-	-
JACKSON	11	5.3	8	5	2	1	3.9	3	1.5
JEFFERSON	4	12.2	2	1	-	1	6.1	2	6.1
JOSEPHINE	3	3.6	2	-	-	2	2.4	1	1.2
KLAMATH	7	8.4	5	5	-	-	6.0	2	2.4
LAKE	3	39.5	2	1	-	1	26.3	1	13.2
LANE	25	6.8	16	14	1	1	4.4	9	2.5
LINCOLN	2	4.6	-	-	-	-	-	2	4.6
LINN	8	5.7	2	2	-	-	1.4	6	4.3
MALHEUR	2	4.2	2	1	1	-	4.2	-	-
MARION	33	7.5	23	11	4	8	5.2	10	2.3
MORROW	-	-	-	-	-	-	-	-	-
MULTNOMAH	49	5.4	25	18	3	4	2.7	24	2.6
POLK	3	4.4	1	-	-	1	1.5	2	3.0
SHERMAN	-	-	-	-	-	-	-	-	-
TILLAMOOK	-	-	-	-	-	-	-	-	-
UMATILLA	8	8.0	5	3	2	-	5.0	3	3.0
UNION	1	3.4	1	-	-	1	3.4	-	-
WALLOWA	2	26	1	1	-	-	13	1	13
WASCO	2	6.9	1	-	-	1	3.5	1	3.5
WASHINGTON	24	§3.8	13	7	4	2	2.1	11	1.7
WHEELER	-	-	-	-	-	-	-	-	-
YAMHILL	4	3.8	2	2	-	-	1.9	2	1.9

- Quantity is zero.

¹ Rates per 1,000 births.

§ Rate is significantly different than state rate.

TABLE 7-2.
INFANT DEATHS BY CAUSE AND AGE AT DEATH, OREGON RESIDENTS, DEATH COHORT 1996

CAUSE OF DEATH	AGE GROUPS					
	TOTAL DEATHS	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	ALL NEONATES	POST-NEONATES
Total	244	90	24	31	145	99
Rate	5.6	2.1	0.5	0.7	3.3	2.3
Certain causes of mortality in early infancy						
Conditions of placenta and cord	13	13	-	-	13	-
Immaturity, unqualified	26	24	2	-	26	-
Birth trauma without mention of cause	1	1	-	-	1	-
Anoxic and hypoxic conditions	6	1	3	-	4	2
Respiratory distress syndrome	5	1	3	1	5	-
Other respiratory conditions	8	5	-	1	6	2
Other complications of pregnancy and delivery	12	10	-	1	11	1
All other	19	8	4	5	17	2
Other diseases						
Congenital anomalies	129	27	11	20	58	71
Diseases of the nervous system	52	22	9	10	41	11
Diseases of the nervous system	5	1	-	1	2	3
Pneumonia or influenza	3	1	-	-	1	2
Respiratory distress	1	-	-	-	-	1
Sudden Infant Death Syndrome	47	-	1	3	4	43
All other diseases	21	3	1	6	10	11
Violent and accidental causes						
Motor vehicle	25	-	1	3	4	21
Motor vehicle	4	-	-	-	-	4
Other accidental causes	4	-	-	-	-	4
Homicide	6	-	-	1	1	5
Other external causes	11	-	1	2	3	8

NOTE: Rates per 1,000 live births.

Neonates are infants in the first 27 days of life. Postneonates are 28 days up to one year of age.

- Quantity is zero.

TABLE 7-3.
FETAL DEATHS BY AGE OF MOTHER AND COUNTY OF RESIDENCE,
OREGON, 1996

COUNTY OF RESIDENCE	TOTAL	AGE OF MOTHER							
		15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
Total¹	251	38	67	53	52	29	7	3	1
Ratio to Births ²	5.8	6.7	5.9	4.3	5.7	6.9	8.3	-	-
Baker	-	-	-	-	-	-	-	-	-
Benton	4	-	2	-	1	1	-	-	-
Clackamas	24	3	8	7	4	-	-	1	-
Clatsop	1	-	-	-	-	1	-	-	-
Columbia	1	-	-	1	-	-	-	-	-
Coos	6	3	2	1	-	-	-	-	-
Crook	-	-	-	-	-	-	-	-	-
Curry	1	-	1	-	-	-	-	-	-
Deschutes	7	-	-	2	4	-	1	-	-
Douglas	7	4	1	-	1	1	-	-	-
Gilliam	-	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-	-
Harney	2	-	-	-	2	-	-	-	-
Hood River	-	-	-	-	-	-	-	-	-
Jackson	12	1	3	4	2	2	-	-	-
Jefferson	2	1	-	-	1	-	-	-	-
Josephine	6	-	2	1	2	1	-	-	-
Klamath	8	1	1	4	1	-	1	-	-
Lake	-	-	-	-	-	-	-	-	-
Lane	19	3	2	4	7	3	-	-	-
Lincoln	3	-	1	1	-	1	-	-	-
Linn	8	1	5	1	-	1	-	-	-
Malheur	2	1	-	-	-	1	-	-	-
Marion	27	7	7	3	8	1	1	-	-
Morrow	-	-	-	-	-	-	-	-	-
Multnomah	56	5	17	10	12	8	1	2	1
Polk	6	1	1	1	1	1	1	-	-
Sherman	1	1	-	-	-	-	-	-	-
Tillamook	1	-	1	-	-	-	-	-	-
Umatilla	1	-	-	-	-	1	-	-	-
Union	2	-	-	2	-	-	-	-	-
Wallowa	-	-	-	-	-	-	-	-	-
Wasco	2	-	1	1	-	-	-	-	-
Washington	35	3	12	10	4	6	-	-	-
Wheeler	-	-	-	-	-	-	-	-	-
Yamhill	7	3	-	-	2	-	2	-	-

- Quantity is zero, or ratio is based on less than 5 events.

¹ There was one 14-year-old mother who had a fetal death in 1996 which is included in the total.

² Ratios per 1,000 live births.

TABLE 7-5.
FETAL DEATHS BY WEEKS OF GESTATION AND
AGE OF MOTHER, OREGON RESIDENTS, 1996

AGE OF MOTHER	TOTAL	WEEKS OF GESTATION								
		20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total	251	59	36	37	34	12	38	14	21	-
<15	1	1	-	-	-	-	-	-	-	-
15-19	38	10	7	7	2	-	8	2	2	-
20-24	67	11	8	11	13	6	7	4	7	-
25-29	53	15	9	5	7	2	6	3	6	-
30-34	52	16	4	11	4	1	9	3	4	-
35-39	29	4	7	2	6	1	6	1	2	-
40-44	7	2	-	1	1	1	1	1	-	-
45+	3	-	1	-	-	1	1	-	-	-
N.S.	1	-	-	-	1	-	-	-	-	-

- Quantity is zero.

NOTE: Calculated gestation from reported date of last menses. If calculated gestation is unknown, the clinical estimate of gestation is used.

TABLE 7-6.
BIRTHS BY WEEKS OF GESTATION AND WEIGHT,
OREGON RESIDENTS, 1995

BIRTHWEIGHT (IN GRAMS)	TOTAL	WEEKS OF GESTATION								
		*20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total	42,715	41	101	333	1,509	1,168	15,068	10,690	13,768	32
000-349	13	9	-	-	-	-	-	-	-	-
350-499	17	8	9	-	-	-	-	-	-	-
499 & Less	30	17	9	-	-	-	-	-	-	-
500-749	51	11	27	11	-	-	1	-	-	-
750-999	74	5	29	33	4	-	2	1	-	-
1000-1249	107	-	14	61	22	5	2	1	-	2
1250-1499	112	1	3	49	47	2	7	1	2	-
1500-1999	433	2	3	64	225	36	72	11	19	1
2000-2499	1,538	-	4	24	424	215	616	130	123	2
<2500	2,345	36	89	242	722	258	700	144	144	5
2500-2999	5,647	1	3	18	372	402	2,907	949	991	4
3000-3499	15,003	2	4	44	239	304	6,057	3,903	4,443	7
3500-3999	13,947	1	4	23	133	152	4,113	4,089	5,422	10
4000-4499	4,801	1	1	5	37	45	1,090	1,358	2,261	3
4500+	969	-	-	1	6	7	201	247	506	1
Unknown	3	-	-	-	-	-	-	-	1	2

- Quantity is zero.

* There were 5 live births where gestational age was less than 20 weeks.

NOTE: Calculated gestation from reported date of last menses. If calculated gestation is unknown, the clinical estimate of gestation is used.

**TABLE 7-7.
FETAL DEATHS BY WEEKS OF GESTATION AND WEIGHT,
OREGON RESIDENTS, 1995**

BIRTHWEIGHT (IN GRAMS)	TOTAL	WEEKS OF GESTATION								
		20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total	237	57	38	40	32	9	35	10	16	-
000-349	30	20	4	6	-	-	-	-	-	-
350-449	34	20	10	3	1	-	-	-	-	-
499 & Less	64	40	14	9	-	-	-	-	-	-
500-749	33	12	14	7	-	-	-	-	-	-
750-999	17	2	5	7	3	-	-	-	-	-
1000-1249	11	-	1	4	4	1	1	-	-	-
1250-1499	9	-	2	3	4	-	-	-	-	-
1500-1999	19	-	1	8	8	1	1	-	-	-
2000-2499	23	-	-	1	6	5	11	-	-	-
<2500	176	54	37	39	25	7	13	-	-	-
2500-2999	20	-	-	-	4	-	8	6	2	-
3000-3499	21	-	-	-	1	1	9	2	8	-
3500-3999	10	-	-	-	-	1	3	1	5	-
4000-4499	3	-	-	-	1	-	1	1	-	-
4500+	1	-	-	-	-	-	-	-	1	-
Unknown	6	3	1	1	-	-	1	-	-	-

- Quantity is zero, or ratio is based on less than 5 events.

NOTE: Calculated gestation from reported date of last menses. If calculated gestation is unknown, the clinical estimate of gestation is used.

**TABLE 7-8.
EARLY NEONATAL DEATHS BY WEEKS OF GESTATION AND WEIGHT, OREGON
RESIDENTS, BIRTH COHORT 1995**

BIRTHWEIGHT (IN GRAMS)	TOTAL	WEEKS OF GESTATION									
		< 20	20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total	109	5	21	22	9	10	3	17	2	8	12
000-349	13	4	5	-	-	-	-	-	-	-	4
350-499	12	-	6	5	-	-	-	-	-	-	1
499 & Less	25	4	11	5	0	0	0	0	0	0	5
500-749	22	1	7	10	1	-	-	-	-	-	3
750-999	6	-	2	4	-	-	-	-	-	-	-
1000-1249	5	-	-	2	2	1	-	-	-	-	-
1250-1499	3	-	-	-	3	-	-	-	-	-	-
1500-1999	11	-	1	1	2	2	1	2	-	-	2
2000-2499	14	-	-	-	-	6	1	6	-	1	-
<2500	86	5	21	22	8	9	2	8	0	1	10
2500-2999	7	-	-	-	1	-	1	4	-	1	-
3000-3499	10	-	-	-	-	1	-	3	2	3	1
3500-3999	5	-	-	-	-	-	-	1	-	3	1
4000-4499	1	-	-	-	-	-	-	1	-	-	-
4500+	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-

- Quantity is zero.

NOTE: Calculated gestation from reported date of last menses. If calculated gestation is unknown, the clinical estimate of gestation is used.

Early neonatal death is defined as less than 7 days old.

**TABLE 7-9.
LATE NEONATAL DEATHS BY WEEKS OF GESTATION AND WEIGHT,
OREGON RESIDENTS, BIRTH COHORT 1995**

BIRTHWEIGHT (IN GRAMS)	TOTAL	WEEKS OF GESTATION									
		< 20	20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
TOTAL	26	1	2	2	3	9	4	4	1	-	-
000-349	-	-	-	-	-	-	-	-	-	-	-
350-499	1	-	1	-	-	-	-	-	-	-	-
499 & Less	1	-	1	-	-	-	-	-	-	-	-
500-749	1	-	1	-	-	-	-	-	-	-	-
750-999	3	1	-	1	1	-	-	-	-	-	-
1000-1249	1	-	-	1	-	-	-	-	-	-	-
1500-1999	1	-	-	-	-	-	-	1	-	-	-
2000-2499	1	-	-	-	-	1	-	-	-	-	-
<2500	8	1	2	2	1	1	0	1	0	-	-
2500-2999	8	-	-	-	1	4	2	1	-	-	-
3000-3499	6	-	-	-	1	3	1	1	-	-	-
3500-3999	1	-	-	-	-	-	1	-	-	-	-
4000-4499	2	-	-	-	-	-	-	1	1	-	-
4500+	1	-	-	-	-	1	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-

- Quantity is zero.

NOTE: Calculated gestation from reported date of last menses. If calculated gestation is unknown, the clinical estimate of gestation is used.

Late neonatal death is defined as death at 7 days or older.

**TABLE 7-10.
POSTNEONATAL DEATHS BY WEEKS OF GESTATION AND WEIGHT,
OREGON RESIDENTS, BIRTH COHORT 1995**

BIRTHWEIGHT (IN GRAMS)	TOTAL	WEEKS OF GESTATION								
		20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total	84	-	2	5	11	4	26	11	19	6
000-349	-	-	-	-	-	-	-	-	-	-
350-499	-	-	-	-	-	-	-	-	-	-
499 & Less	-	-	-	-	-	-	-	-	-	-
500-749	1	-	1	-	-	-	-	-	-	-
750-999	3	-	1	2	-	-	-	-	-	-
1250-1499	3	-	-	2	1	-	-	-	-	-
1500-1999	4	-	-	1	2	-	-	1	-	-
2000-2499	6	-	-	-	4	1	-	1	-	-
<2500	17	-	2	5	7	1	-	2	-	-
2500-2999	19	-	-	-	4	-	6	4	3	2
3000-3499	22	-	-	-	-	-	10	2	8	2
3500-3999	15	-	-	-	-	3	4	2	5	1
4000-4499	11	-	-	-	-	-	6	1	3	1
4500+	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-

- Quantity is zero.

NOTE: Gestation is calculated from reported date of last menses. If calculated gestation is unknown, the clinical estimate of gestation is used.

**TABLE 7-11.
NEONATAL DEATHS BY
BIRTHWEIGHT, OREGON RESIDENTS,
BIRTH COHORT 1995**

BIRTHWEIGHT (IN GRAMS)	DEATHS	RATE
Total	135	3.2
000-349	13	1000.0
350-499	13	764.7
499 & less	26	866.7
500-749	23	451.0
750-999	9	121.6
1000-1249	6	56.1
1250-1499	3	26.8
1500-1999	12	27.7
2000-2499	15	9.8
<2500	94	40.1
2500-2999	15	2.7
3000-3499	16	1.1
3500-3999	6	0.4
4000-4499	3	0.6
4500+	1	1.0
2500+	41	1.0
Unknown	-	-

Rate per 1,000 live births.

- Quantity is zero, or rate is based on less than 5 events.

**TABLE 7-12.
NEONATAL DEATHS BY
BIRTHWEIGHT, OREGON RESIDENTS,
BIRTH COHORT 1993-1995**

BIRTHWEIGHT (IN GRAMS)	DEATHS	RATE
TOTAL	455	3.6
000-349	40	952.4
350-499	56	933.3
499 & Less	96	941.2
500-749	83	468.9
750-999	28	127.9
1000-1249	18	60.4
1250-1499	6	18.3
1500-1999	35	27.8
2000-2499	49	11.2
<2500	315	46.7
2500-2999	44	2.6
3000-3499	49	1.1
3500-3999	33	0.8
4000-4499	6	0.4
4500+	3	1.0
2500+	135	1.1
Unknown	5	500.0

Rate per 1,000 live births.

- Quantity is zero, or rate is based on less than 5 events.

**TABLE 7-13.
PERINATAL DEATH RATES BY COUNTY OF RESIDENCE,
OREGON RESIDENTS, BIRTH COHORT 1995**

COUNTY OF RESIDENCE	PERINATAL I ¹			PERINATAL II ²			NEONATAL ³	
	NO.	RATIO	RATE	NO.	RATIO	RATE	NO.	RATE
TOTAL	251	5.9	5.9	373	8.7	8.7	136	3.2
BAKER	2	-	-	4	-	-	2	-
BENTON	7	8.8	8.7	12	15.0	14.9	5	6.3
CLACKAMAS	13	3.3	3.3	24	6.1	6.1	12	3.1
CLATSOP	8	18.9	18.8	10	23.6	23.4	5	11.8
COLUMBIA	3	-	-	6	13.1	13.0	1	-
COOS	1	-	-	4	-	-	1	-
CROOK	1	-	-	1	-	-	-	-
CURRY	-	-	-	1	-	-	1	-
DESCHUTES	4	-	-	10	8.3	8.2	3	-
DOUGLAS	5	4.4	4.4	7	6.1	6.1	3	-
GILLIAM	-	-	-	-	-	-	-	-
GRANT	1	-	-	1	-	-	-	-
HARNEY	-	-	-	-	-	-	-	-
HOOD RIVER	4	-	-	4	-	-	2	-
JACKSON	14	6.5	6.5	20	9.3	9.3	7	3.3
JEFFERSON	2	-	-	3	-	-	1	-
JOSEPHINE	5	6.2	6.1	9	11.1	11.0	3	-
KLAMATH	4	-	-	8	9.3	9.3	4	-
LAKE	-	-	-	-	-	-	-	-
LANE	12	3.3	3.3	20	5.5	5.5	10	2.7
LINCOLN	2	-	-	5	11.7	11.6	1	-
LINN	9	6.7	6.7	10	7.4	7.4	7	5.2
MALHEUR	2	-	-	6	11.8	11.7	2	-
MARION	37	8.7	8.7	47	11.1	11.0	16	3.8
MORROW	1	-	-	1	-	-	-	-
MULTNOMAH	56	6.2	6.2	81	9.0	9.0	27	3.0
POLK	1	-	-	1	-	-	-	-
SHERMAN	-	-	-	-	-	-	-	-
TILLAMOOK	1	-	-	1	-	-	1	-
UMATILLA	6	5.9	5.9	9	8.9	8.9	4	-
UNION	2	-	-	3	-	-	1	-
WALLOWA	2	-	-	2	-	-	-	-
WASCO	1	-	-	2	-	-	2	-
WASHINGTON	36	6.0	6.0	49	8.2	8.2	11	1.8
WHEELER	-	-	-	-	-	-	-	-
YAMHILL	9	8.6	8.6	12	11.5	11.4	4	-

- Quantity is zero, or number of events is less than five for ratios and rates.

¹ Perinatal Definition I, generally used for international comparisons, includes fetal deaths at 28 weeks of gestation or more, and infant deaths of less than 7 days.

² Perinatal Definition II, includes fetal deaths at 20 weeks of gestation or more, and infant deaths of less than 28 days.

³ Neonatal deaths, includes infant deaths of less than 28 days.

**TABLE 7-14.
PERINATAL DEATH RATES BY COUNTY OF RESIDENCE,
OREGON RESIDENTS, BIRTH COHORT 1993-1995**

COUNTY OF RESIDENCE	PERINATAL I ¹			PERINATAL II ²			NEONATAL ³	
	NO.	RATIO	RATE	NO.	RATIO	RATE	NO.	RATE
Total	765	6.1	6.0	1,114	8.8	8.8	452	3.6
BAKER	5	9.1	9.1	8	14.6	14.5	5	9.1
BENTON	16	6.8	6.7	26	11.0	10.9	10	4.2
CLACKAMAS	52	4.4	4.4	80	6.8	6.8	37	3.2
CLATSOP	14	11.6	11.5	17	14.1	14.0	7	5.8
COLUMBIA	4	-	-	8	5.5	5.5	3	-
COOS	6	3.0	3.0	11	5.6	5.6	4	-
CROOK	7	10.6	10.6	9	13.7	13.6	5	7.6
CURRY	1	-	-	2	-	-	2	-
DESCHUTES	19	5.5	5.5	28	8.1	8.1	14	4.1
DOUGLAS	23	6.6	6.6	31	8.9	8.8	11	3.2
GILLIAM	-	-	-	-	-	-	-	-
GRANT	1	-	-	1	-	-	-	-
HARNEY	1	-	-	2	-	-	1	-
HOOD RIVER	7	8.0	8.0	10	11.5	11.4	5	5.7
JACKSON	38	6.2	6.2	60	9.9	9.8	24	3.9
JEFFERSON	5	6.2	6.1	7	8.6	8.6	3	-
JOSEPHINE	17	7.2	7.2	31	13.1	13.0	13	5.5
KLAMATH	17	6.6	6.6	29	11.3	11.2	16	6.2
LAKE	-	-	-	1	-	-	-	-
LANE	59	5.5	5.5	86	8.0	8.0	39	3.6
LINCOLN	6	4.5	4.5	11	8.2	8.1	5	3.7
LINN	29	7.5	7.5	38	9.8	9.8	19	4.9
MALHEUR	12	7.7	7.7	20	12.9	12.8	8	5.2
MARION	93	7.6	7.6	119	9.7	9.7	45	3.7
MORROW	3	-	-	4	-	-	2	-
MULTNOMAH	164	6.1	6.1	246	9.2	9.1	92	3.4
POLK	15	7.8	7.7	18	9.3	9.3	5	2.6
SHERMAN	-	-	-	-	-	-	-	-
TILLAMOOK	4	-	-	4	-	-	2	-
UMATILLA	19	6.3	6.3	25	8.2	8.2	13	4.3
UNION	4	-	-	7	8.0	7.9	2	-
WALLOWA	3	-	-	3	-	-	-	-
WASCO	3	-	-	5	5.9	5.9	4	-
WASHINGTON	99	5.7	5.6	141	8.1	8.0	48	2.7
WHEELER	1	-	-	1	-	-	1	-
YAMHILL	18	6.1	6.0	25	8.4	8.4	7	2.4

- Quantity is zero, or number of events is less than five for ratios and rates.

¹ Perinatal Definition I, generally used for international comparisons, includes fetal deaths at 28 weeks of gestation or more, and infant deaths of less than 7 days.

² Perinatal Definition II, includes fetal deaths at 20 weeks of gestation or more, and infant deaths of less than 28 days.

³ Neonatal deaths, includes infant deaths of less than 28 days.

TABLE 7-15.
PERINATAL DEATH RATES BY MOTHER'S RISK FACTORS,
OREGON RESIDENTS, BIRTH COHORT 1995

RISK FACTOR	PERINATAL I ¹			PERINATAL II ²			NEONATAL ³	
	NO.	RATIO	RATE	NO.	RATIO	RATE	NO.	RATE
TOTAL	251	5.9	5.9	373	8.7	8.7	136	3.2
MARITAL STATUS								
MARRIED	160	5.3	5.3	243	8.0	8.0	82	2.7
UNMARRIED	91	7.4	7.3	130	10.5	10.5	54	4.4
AGE OF MOTHER								
15-19	33	6.1	6.1	58	10.7	10.6	23	4.2
20-24	63	5.7	5.7	94	8.5	8.5	34	3.1
25-29	72	6.0	6.0	92	7.7	7.7	35	2.9
30-34	46	5.0	5.0	72	7.8	7.8	28	3.0
35-39	25	6.2	6.1	40	9.9	9.8	11	2.7
40-44	10	11.8	11.7	14	16.5	16.3	3	-
45+	1	-	-	1	-	-	1	-
MOTHER'S ETHNICITY/RACE*								
WHITE (NON-HISPANIC)	203	5.8	5.8	303	8.7	8.7	116	3.3
HISPANIC (ALL RACES)	31	6.2	6.2	44	8.8	8.8	15	3.0
AFRICAN AMERICAN	8	9.3	9.3	13	15.1	15.0	4	-
INDIAN	3	-	-	5	8.7	8.6	1	-
OTHER NON-WHITE	6	3.9	3.8	7	4.5	4.5	-	-
MOTHER'S EDUCATION								
GRADE SCHOOL OR LESS	27	10.9	10.8	29	11.7	11.6	15	6.0
HIGH SCHOOL +	209	5.3	5.3	323	8.2	8.1	110	2.8
START OF PRENATAL CARE								
1ST TRIMESTER	180	5.4	5.4	276	8.2	8.2	100	3.0
2ND TRIMESTER	40	5.6	5.5	58	8.1	8.0	22	3.1
3RD TRIMESTER	7	4.7	4.7	8	5.4	5.4	2	-
NO CARE	19	51.6	50.7	21	57.1	55.7	12	32.6
TOBACCO USE								
YES	58	7.6	7.6	88	11.6	11.5	25	3.3
NO	180	5.2	5.1	267	7.6	7.6	100	2.9
ALCOHOL USE								
YES	14	13.1	13.0	19	17.7	17.5	7	6.5
NO	222	5.4	5.4	333	8.1	8.1	115	2.8

*Unless specified, racial categories do not include Hispanic ethnicity.

NOTE: Because of unreported items, the sum of all categories may not equal the total.

- Quantity is zero, or rate is based on less than 5 events.

¹ Perinatal Definition I, generally used for international comparisons, includes fetal deaths at 28 weeks of gestation or more, and infant deaths of less than 7 days.

² Perinatal Definition II, includes fetal deaths at 20 weeks of gestation or more, and infant deaths of less than 28 days.

³ Neonatal deaths, includes infant deaths of less than 28 days.

TABLE 7-16.
PERINATAL DEATH RATES BY MOTHER'S RISK FACTORS,
OREGON RESIDENTS, BIRTH COHORT 1993-1995

RISK FACTOR	PERINATAL I ¹			PERINATAL II ²			NEONATAL ³	
	NO.	RATIO	RATE	NO.	RATIO	RATE	NO.	RATE
TOTAL	765	6.1	6.0	1,114	8.8	8.8	452	3.6
MARITAL STATUS								
MARRIED	506	5.6	5.6	734	8.2	8.1	280	3.1
UNMARRIED	259	7.2	7.2	380	10.5	10.5	172	4.8
AGE OF MOTHER								
15-19	101	6.4	6.4	156	9.9	9.8	65	4.1
20-24	192	5.8	5.8	277	8.3	8.3	124	3.7
25-29	213	6.1	6.1	285	8.1	8.1	121	3.5
30-34	137	5.0	5.0	204	7.5	7.4	82	3.0
35-39	84	7.1	7.0	138	11.6	11.5	41	3.4
40-44	31	12.8	12.7	45	18.6	18.3	13	5.4
45+	2	-	-	2	-	-	1	-
MOTHER'S ETHNICITY/RACE*								
WHITE (NON-HISPANIC)	612	5.9	5.9	893	8.6	8.6	371	3.6
HISPANIC (ALL RACES)	95	7.1	7.1	130	9.7	9.7	49	3.7
AFRICAN AMERICAN	25	9.3	9.3	42	15.7	15.5	19	7.1
INDIAN	8	4.7	4.7	12	7.1	7.1	5	3.0
OTHER NON-WHITE	23	5.2	5.2	30	6.8	6.8	8	1.8
MOTHER'S EDUCATION								
GRADE SCHOOL	62	8.6	8.6	78	10.8	10.8	42	5.8
HIGH SCHOOL +	647	5.5	5.5	952	8.2	8.1	374	3.2
START OF PRENATAL CARE	544	5.5	5.5	817	8.2	8.2	329	3.3
1ST TRIMESTER								
2ND TRIMESTER	140	6.6	6.6	190	9.0	9.0	77	3.7
3RD TRIMESTER	16	3.8	3.8	20	4.8	4.8	8	1.9
NO CARE	51	49.1	48.2	63	60.6	59.0	34	32.7
TOBACCO USE								
YES	163	7.1	7.1	243	10.6	10.5	91	4.0
NO	580	5.7	5.6	836	8.1	8.1	344	3.4
ALCOHOL USED								
YES	32	9.3	9.2	47	13.7	13.5	14	4.1
NO	701	5.8	5.8	1,020	8.5	8.4	412	3.4

*Unless specified, racial categories do not include Hispanic ethnicity.

NOTE: Because of unreported items, the sum of all categories may not equal the total.

- Quantity is zero, or rate is based on less than 5 events.

¹ Perinatal Definition I, generally used for international comparisons, includes fetal deaths at 28 weeks of gestation or more, and infant deaths of less than 7 days.

² Perinatal Definition II, includes fetal deaths at 20 weeks of gestation or more, and infant deaths of less than 28 days.

³ Neonatal deaths, includes infant deaths of less than 28 days.

TABLE 7-17.
NEONATAL, POSTNEONATAL AND INFANT DEATH RATES BY MOTHER'S RISK FACTORS, OREGON RESIDENTS, BIRTH COHORT 1995

RISK FACTOR	NEONATAL ¹ DEATHS		POSTNEONATAL ² DEATHS		INFANT ³ DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	136	3.2	117	2.7	253	5.9
MARITAL STATUS						
MARRIED	82	2.7	54	1.8	136	4.5
UNMARRIED	54	4.4	63	5.1	117	9.5
AGE OF MOTHER						
15-19	23	4.2	27	5.0	50	9.2
20-24	34	3.1	39	3.5	73	6.6
25-29	35	2.9	21	1.8	56	4.7
30-34	28	3.0	18	2.0	46	5.0
35-39	11	2.7	11	2.7	22	5.4
40-44	3	-	-	-	3	-
45+	1	-	-	-	1	-
MOTHER'S ETHNICITY/RACE*						
WHITE (NON-HISPANIC)	116	3.3	96	2.8	212	6.1
HISPANIC (ALL RACES)	15	3.0	12	2.4	27	5.4
AFRICAN AMERICAN	4	-	7	8.1	11	12.8
INDIAN	1	-	-	-	1	-
OTHER NON-WHITE	-	-	2	-	2	-
MOTHER'S EDUCATION						
GRADE SCHOOL OR LESS	15	6.0	12	4.8	27	10.9
HIGH SCHOOL +	110	2.8	105	2.7	215	5.4
START OF PRENATAL CARE						
1ST TRIMESTER	100	3.0	78	2.3	178	5.3
2ND TRIMESTER	22	3.1	26	3.6	48	6.7
3RD TRIMESTER	2	-	7	4.7	9	6.1
NO CARE	12	32.6	6	16.3	18	48.9
TOBACCO USE						
YES	25	3.3	53	7.0	78	10.3
NO	100	2.9	61	1.7	161	4.6
ALCOHOL USE						
YES	7	6.5	6	5.6	13	12.1
NO	115	2.8	108	2.6	223	5.4

*Unless specified, racial categories do not include Hispanic ethnicity.

NOTE: Because of unreported items, the sum of all categories may not equal the total.

- Quantity is zero, or rate is based on less than 5 events.

¹ Neonatal deaths, include infant deaths at 28 or fewer days of age.

² Postneonatal Deaths, include infant deaths after 28 days, but before age 1.

³ Infant deaths, include neonatal and postneonatal deaths up to age 1.

TABLE 7-18.
NEONATAL, POSTNEONATAL AND INFANT DEATH RATES BY MOTHER'S RISK
FACTORS, OREGON RESIDENTS, BIRTH COHORT 1993-1995

RISK FACTOR	NEONATAL ¹ DEATHS		POSTNEONATAL ² DEATHS		INFANT ³ DEATHS	
	NUMBER	RATE	NUMBER	RATES	NUMBER	RATES
TOTAL	452	3.6	374	3.0	826	6.5
MARITAL STATUS						
MARRIED	280	3.1	201	2.2	481	5.3
UNMARRIED	172	4.8	173	4.8	345	9.6
AGE OF MOTHER						
15-19	65	4.1	83	5.3	148	9.4
20-24	124	3.7	117	3.5	241	7.2
25-29	121	3.5	91	2.6	212	6.1
30-34	82	3.0	52	1.9	134	4.9
35-39	41	3.4	24	2.0	65	5.5
40-44	13	5.4	3	-	16	6.6
45+	1	-	-	-	1	-
MOTHER'S ETHNICITY/RACE*						
WHITE (NON-HISPANIC)	371	3.6	311	3.0	682	6.6
HISPANIC (ALL RACES)	49	3.7	29	2.2	78	5.8
AFRICAN AMERICAN	19	7.1	20	7.5	39	14.6
INDIAN	5	3.0	4	-	9	5.3
OTHER NON-WHITE	8	1.8	10	2.3	18	4.1
MOTHER'S EDUCATION						
GRADE SCHOOL	42	5.8	29	4.0	71	9.9
HIGH SCHOOL +	374	3.2	341	2.9	715	6.1
START OF PRENATAL CARE						
1ST TRIMESTER	329	3.3	255	2.6	584	5.9
2ND TRIMESTER	77	3.7	88	4.2	165	7.8
3RD TRIMESTER	8	1.9	17	4.1	25	6.0
NO CARE	34	32.7	13	12.5	47	45.2
TOBACCO USE						
YES	91	4.0	163	7.1	254	11.0
NO	344	3.4	208	2.0	552	5.4
ALCOHOL USED						
YES	14	4.1	24	7.0	38	11.0
NO	412	3.4	345	2.9	757	6.3

*Unless specified, racial categories do not include Hispanic ethnicity.

NOTE: Because of unreported items, the sum of all categories may not equal the total.

- Quantity is zero, or rate is based on less than 5 events.

¹ Perinatal Definition I, generally used for international comparisons, includes fetal deaths at 28 weeks of gestation or more, and infant deaths of less than 7 days.

² Perinatal Definition II, includes fetal deaths at 20 weeks of gestation or more and infant deaths of less than 28 days.

³ Neonatal deaths, includes infant deaths of less than 28 days.

Adolescent Suicide Attempts

INTRODUCTION

During 1996, 38 of Oregon's youth (under age 20) committed suicide. The youngest were two ten year old boys. At the same time, no fewer than 778 non-fatal suicide attempts were made by Oregon adolescents.

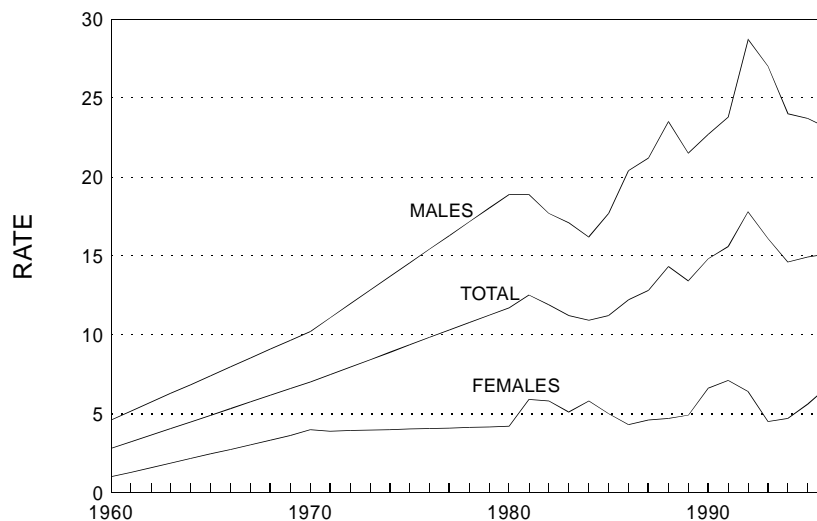
Suicide by adolescents has caused increasing concern both nationally and in Oregon. In 1987, the Oregon legislature created a law (ORS 441.750) mandating that hospitals treating a child age 17 or younger for injuries resulting from a suicide attempt report the attempt to the Oregon Health Division. The law became effective in January 1988; it also requires that the patient be referred for counseling.

During 1994-1996 the suicide rate for Oregonians 15-19 years old was five times higher than during 1959-1961.

SUICIDE TRENDS

Over the past few decades, the suicide death rate among teenagers has risen dramatically, especially among males. Although the rate has declined since the early 1990s, it is unclear whether this represents a cessation of the long-term upward trend or random statistical variation. Nonetheless, during 1994-1996, Oregonians 15-19 years old were 5.4 times more likely to commit suicide than were their counterparts during 1959-1961. The suicide death rate among males increased over that time from 4.6 to 23.1 per 100,000; among females, it increased from 1.0 to 6.7. For both sexes combined, the rate increased from 2.8 to 15.1. However, these

FIGURE 8-1. SUICIDE RATES FOR 15- TO 19-YEAR-OLDS, 1959-61, 1969-71, 1979-81, AND THREE-YEAR MOVING AVERAGES, 1981-96, OREGON RESIDENTS



Note: Because population data by age and sex are not available for the 1960s and 1970s, rates for these years, other than those based on decennial census data, have been interpolated. Therefore, variations within 10-year periods prior to 1980 are not apparent. Rates are per 100,000 population for the groups at risk.

NUMBER OF ATTEMPTS BY YEAR AND SEX			
YEAR	TOTAL	MALE	FEMALE
1988	648	110	535
1989	624	120	499
1990	526	118	406
1991	577	124	453
1992	685	141	544
1993	723	113	610
1994	773	187	586
1995	753	150	603
1996	778	163	615

ATTEMPTERS OF UNKNOWN SEX ARE INCLUDED IN THE TOTAL.

rates are based on relatively few events and therefore subject to considerable random statistical variation. This is especially true of the rates for females. Figure 8-1 illustrates the variable nature of suicide rates for 15-19 year old Oregonians during recent years.

SUICIDE ATTEMPT TRENDS

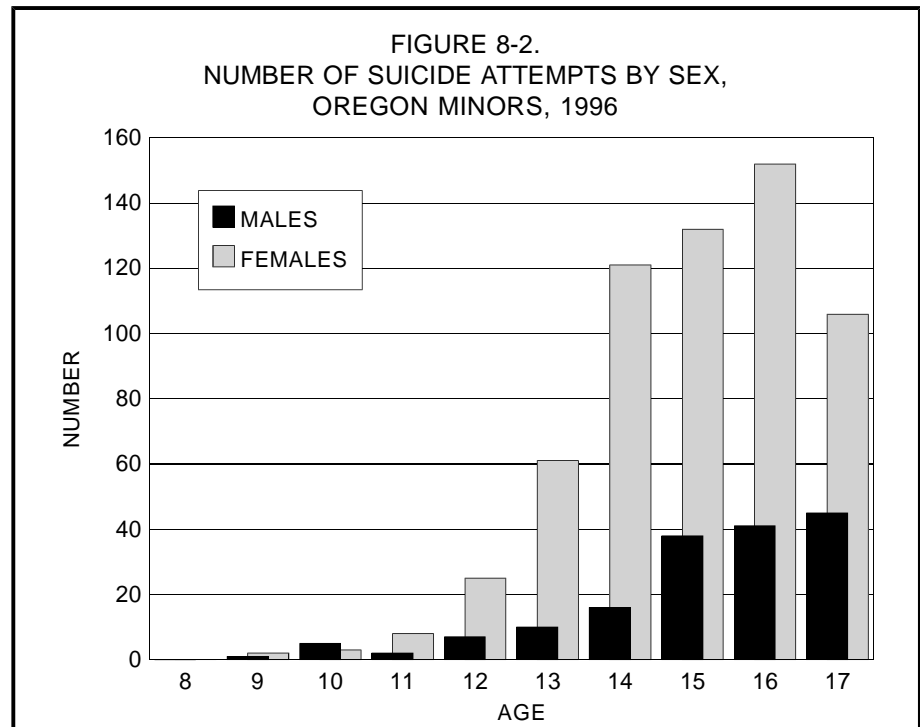
The number of suicide attempts reported to the Health Division increased to 778, up from 753 in 1995, but just marginally higher than the previous record high of 773 recorded in 1994.

The Oregon system identifies only attempters with injuries severe enough to require emergency care at a hospital; consequently, the number of events reported must be considered a minimum. Additionally, not all attempts that should have been reported by hospitals actually were; some large hospitals are known to substantially under-report the number of events. [Table 8-20]. The magnitude of the undercount is, unfortunately, not known. The Technical Notes section in Appendix B describes the methodology and limitations of the data.

AGE

The youngest children to attempt suicide were just nine years old, a boy and two girls. One girl was motivated by problems at school, family discord and rape/sexual abuse; the other by an argument or breakup with a boyfriend. The treating hospital for the boy failed to record his reasons. Fifty-two attempts by preteens

NUMBER OF ATTEMPTS BY AGE AND SEX			
AGE	TOTAL	MALE	FEMALE
9	3	1	2
10	7	4	3
11	10	2	8
12	32	7	25
13	72	10	62
14	137	15	122
15	171	38	133
16	192	40	152
17	154	46	108



were reported (see sidebar on p. 8-2), five more than the previous year. Attempts by teens increased 2.8 percent. As in years past, 15- to 17-year-olds accounted for two-thirds (66%) of all attempts among Oregon minors. [Figure 8-2].

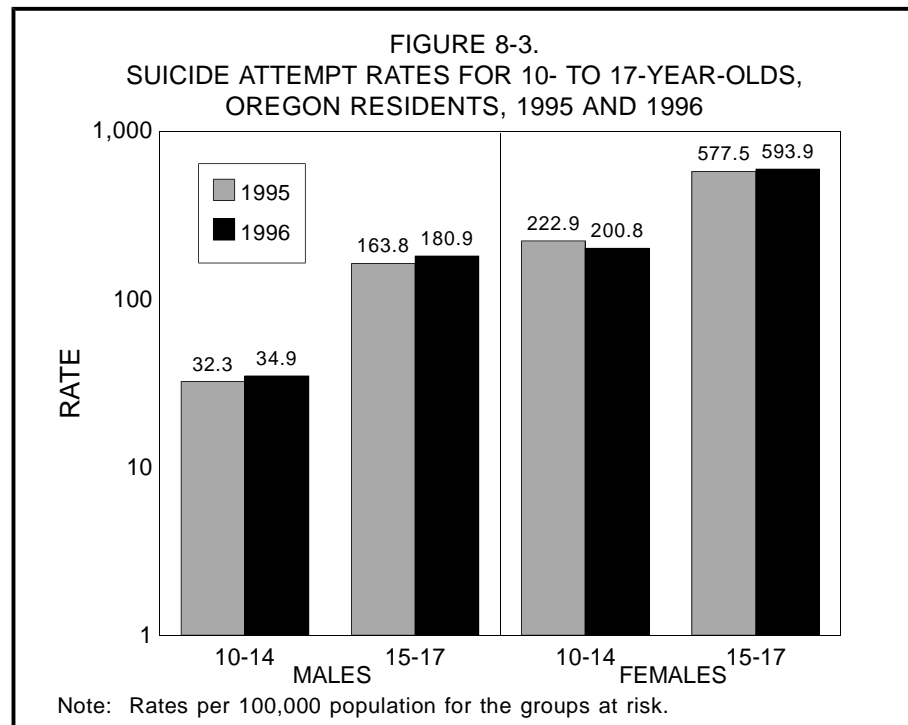
SEX

Girls were far more likely to attempt suicide than were boys; four-fifths (79%) of all attempts were by girls, but the largest increase in the attempt rate between 1995 and 1996 was among boys 15-17 years old. [Table 8-2]. Although girls made attempts more often, attempts by males more often resulted in death. During 1996, the completion rate for males less than 18 years of age was 10.0 percent compared to just 0.8 percent for females in this age group. Overall, 3.0 percent of the reported attempts ended in death. Four-fifths (79%) of suicides by teens and preteens during 1996 were committed by males.

RACE

Almost a threefold difference existed in the reported suicide attempt rates during 1992-96 by racial/ethnic group. At 279.2 per 100,000 population (10- to 17-year-olds), African American adolescents were 35 percent more likely than whites (207.2) to make an attempt. American Indian youth were less likely than either of these groups to make an attempt (157.0), but Hispanics (122.3) and Asians/Pacific Islanders (106.3) had the lowest recorded rates. The attempt rates for all of the minority groups, were statistically significantly different compared to the attempt rate for

NUMBER OF ATTEMPTS		
RACE	1995	1996
WHITE	645	659
AFRICAN AMERICAN	20	20
INDIAN	8	9
CHINESE	0	0
JAPANESE	0	0
HAWAIIAN	0	0
FILIPINO	1	0
OTHER ASIAN AND PACIFIC ISLANDERS	12	13
HISPANIC	33	29
NOT STATED	34	48



SUICIDES BY OREGONIANS UNDER AGE 20, BY YEAR AND COUNTY OF RESIDENCE			
COUNTY	1994	1995	1996
TOTAL	37	43	38
BAKER	1	-	1
BENTON	1	1	-
CLACKAMAS	5	4	4
CLATSOP	-	3	-
COLUMBIA	1	-	-
COOS	-	-	-
CROOK	-	2	-
CURRY	-	1	-
DESCHUTES	1	-	2
DOUGLAS	2	1	1
GILLIAM	-	-	-
GRANT	-	-	-
HARNEY	-	-	-
HOOD RIVER	1	-	-
JACKSON	-	1	-
JEFFERSON	-	1	1
JOSEPHINE	-	1	-
KLAMATH	1	1	1
LAKE	1	-	-
LANE	2	5	4
LINCOLN	1	-	1
LINN	2	2	1
MALHEUR	-	-	-
MARION	6	5	3
MORROW	-	-	-
MULTNOMAH	7	10	12
POLK	1	-	1
SHERMAN	1	-	-
TILLAMOOK	-	-	-
UMATILLA	2	1	2
UNION	-	-	-
WALLOWA	-	-	-
WASCO	1	-	-
WASHINGTON	-	3	3
WHEELER	-	-	-
YAMHILL	-	1	1

- QUANTITY IS ZERO.

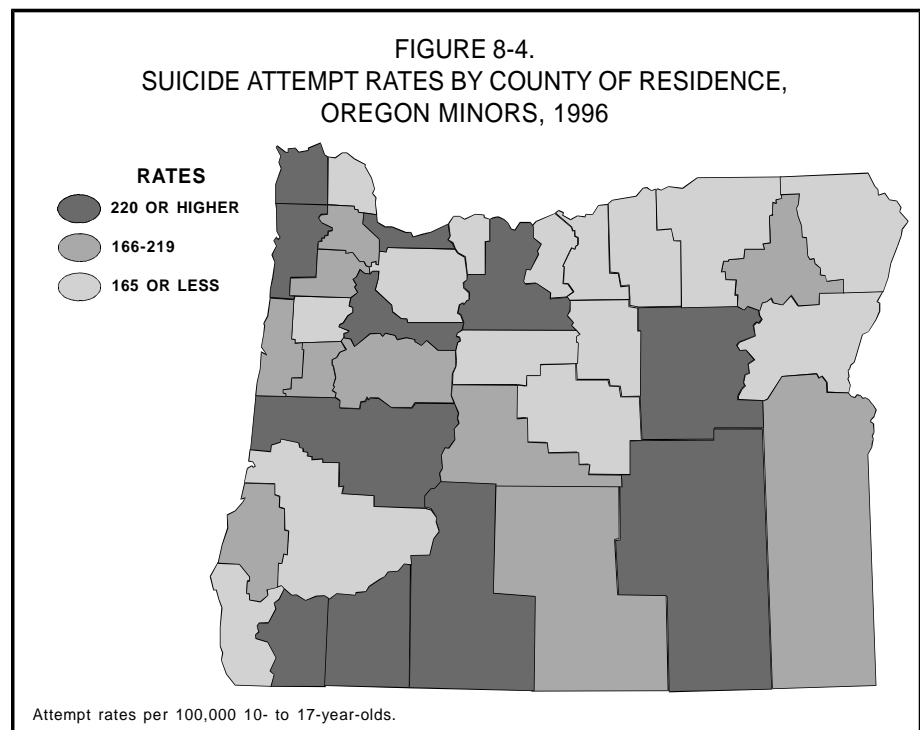
whites. See the report, *Multicultural Health: Mortality Patterns by Race and Ethnicity, Oregon, 1986-1994*, for analysis of suicide deaths of all ages by race/ethnicity.

HOUSEHOLD SITUATION

Attempters were more likely to live with their mother only (35%) as they were to live with both natural parents (27%). Ranking third were adolescents living with a parent and stepparent (12%). The proportion of attempters living with their mother only decreased with the age of the attempter while the proportion living with their father only increased with age. [Table 8-3]. Adolescents living under government supervision were most likely to have made prior attempts; 42 percent had done so. The family situation was unknown in 11 percent of the cases.

GEOGRAPHIC DISTRIBUTION

While the suicide attempt rate for the state was 217.7 per 100,000 (10- to 17-year-olds), the rates for individual counties were highly variable. [Figure 8-4.]. During 1996, among counties with ten or more attempts, the highest rates were reported from two western Oregon counties, Clatsop and Marion. In four counties no attempts were reported; all were east of the Cascade Range and had small populations. [Table 8-4]. Some counties with larger populations reported few attempts, suggesting that not all hospitals are complying with the law, or that adolescent attempters in rural areas may be treated in clinics or doctors' offices (in which case attempt reporting is not required). Table 8-20 lists the



number of reports by hospital since reporting became mandatory in 1988. The report *Suicidal Behavior: A Survey of Oregon High School Students, 1997*, lists suicide death rates by county.

PLACE OF ATTEMPT

Most (73%) of the attempts were made in the adolescent's own home while 4.5 percent were made in another's home. Girls were more likely than boys to make the attempt at home, 75 percent compared to 68 percent. [Table 8-5]. Schools were the site of just 2.7 percent of the attempts. Because the place was not reported in 10.3 percent of the attempts, the above percentages are somewhat lower than the "true" proportions.

MONTH AND DAY OF ATTEMPT

As in past years, the summer school vacation months continued to be the season of lowest risk. Twenty-one percent of the suicide attempts occurred from June through August. Attempts occurred most often during the spring months (30%). By day of the week, suicide attempts occurred least often on Saturdays (13% of all attempts) and most often on Mondays (16%).

REPEAT ATTEMPTS

About three of every ten (29%) attempts were by adolescents who were reported to have made prior attempts during the previous five years. This is a minimum figure since the prior attempt status was unknown in 25 percent of the cases. Girls were more likely to have made prior attempts; 30 percent had done so compared to 24 percent of boys. [Table 8-6]. Because a single adolescent may make multiple attempts during any one year, it should be remembered that references to the number or proportion of attempters with a given characteristic may be influenced by repeated attempts of a single individual.

METHOD

Adolescents used many methods in their attempts, but ingestion of drugs accounted for the vast majority (78%). Two-fifths (40%) of the 604 drug-related cases involved analgesics; aspirin and acetaminophen were most commonly used. (The latter is of particular concern because many adolescents are unaware of its potential long-term toxic effects and lethality.) Most of the other attempts involving drugs (179) were with combinations of drugs or of drugs with alcohol. Cutting and piercing injuries were the second most common method of attempt, accounting for 7.6 percent of the cases; nearly all of these were lacerations of the wrists. The third single most common method was suffocation and hanging (5.0%). The category "other" in Table 8-7 includes mostly attempts by multiple methods; the majority involved

Suicide attempts were made most often on Mondays.

Eight of every ten attempts were made with drugs.

Six of every ten suicides were committed with guns.

poisoning, usually with drugs, combined with laceration of the wrists. Uncommon methods, such as attempted electrocution with a hair dryer in a bathtub, are also included here.

The method chosen varied with the sex of the attempter. [Table. 8-7]. Eight in ten (83%) of the attempts by girls involved drugs compared to six in ten (57%) of those by boys. [Figure 8-5]. Boys were more likely than girls to choose suffocation and hanging, 12.3 percent compared to 3.1 percent. Boys were also more likely than girls to inflict cutting/piercing injuries, 10.4 percent versus 6.8 percent.

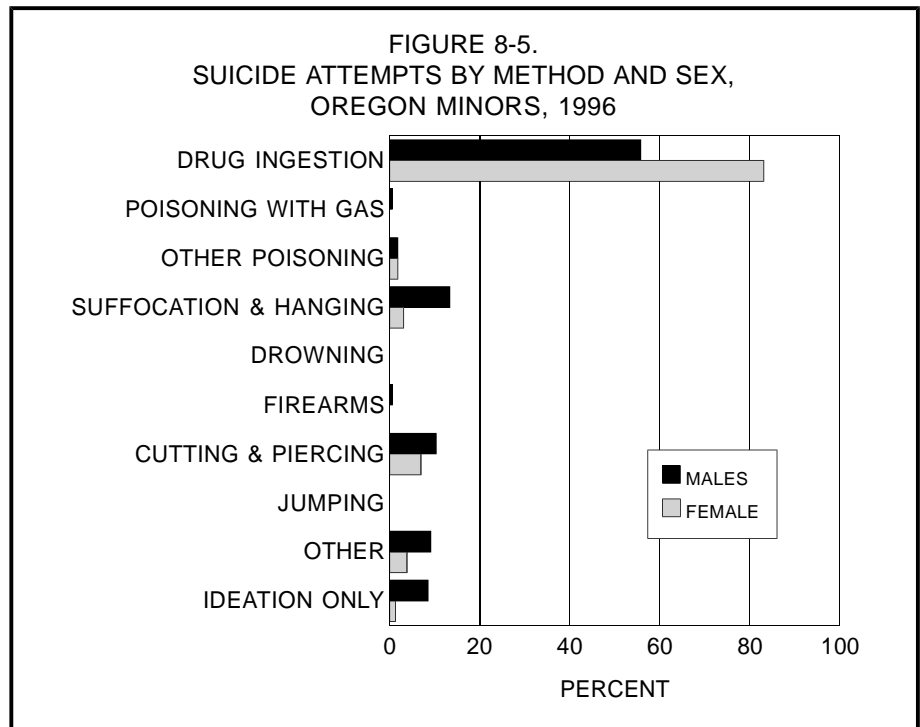
As with gender, the method varied with the age of the attempter. Preteens were more likely to attempt to suffocate/hang themselves and to poison themselves with solids and liquids other than drugs. [Table 8-8]. The incidence of cutting and piercing injuries, as well as "other" methods increased with age.

Regionally, adolescents living east of the Cascade Range were most apt to use poisons in their attempts and least apt to cut themselves. [Table 8-9].

Adolescents making their first attempt were more likely to ingest drugs compared to those making a repeat attempt, 83 percent compared to 72 percent. [Table 8-10]. Suffocation and hanging, a more lethal method, was used three times as often by repeat attempters than by those making their initial attempt (10.3% vs. 3.1%).

Although most attempts involved ingestion of drugs, they only infrequently resulted in death. Conversely, the highest proportion of attempts made by adolescents that resulted in death involved

Percentage of attempts with guns that were fatal: 96

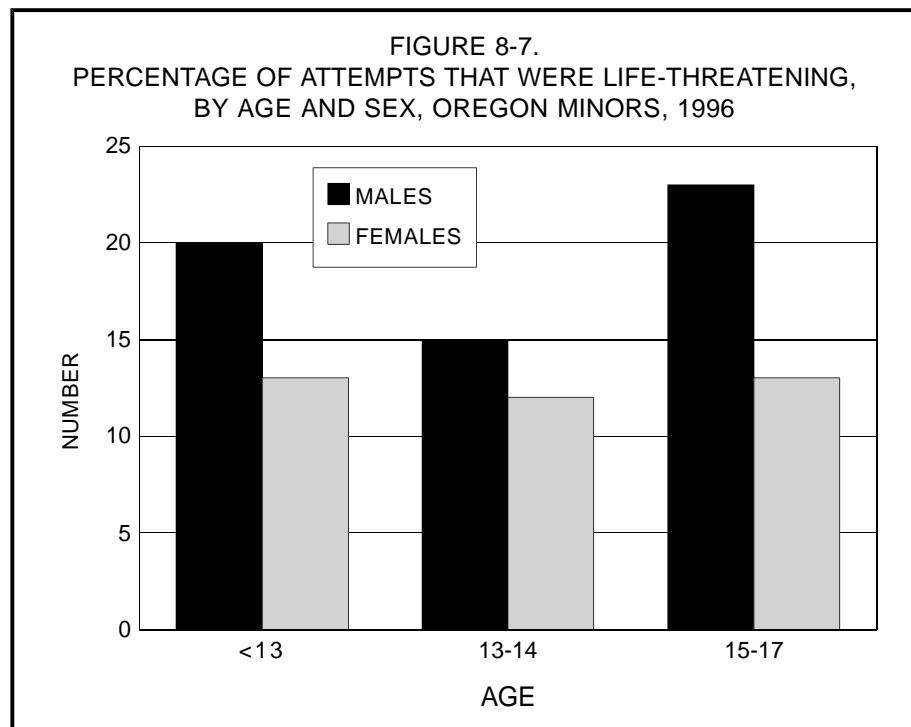
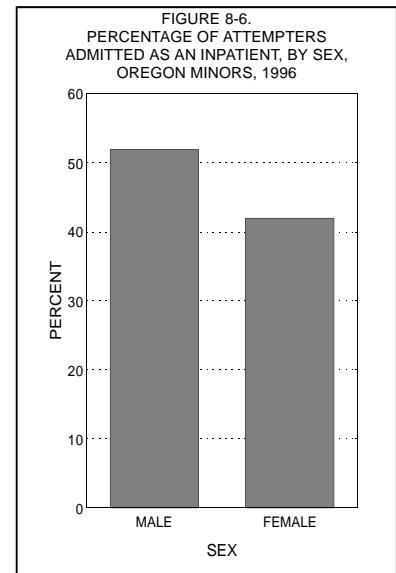


firearms. During 1996, 63 percent of all suicides by Oregonians teenaged or younger were committed with guns (most were handguns). Only one attempt with a firearm did not result in death. For a discussion of the lethality of attempt methods, see *Suicidal Behavior: A Survey of Oregon High School Students, 1997*.

PATIENT STATUS

Nine in 20 reported attempts (44%) were of such seriousness that the attempter was hospitalized; this figure includes attempters who were transferred to another institution for specialized care. [Table 8-11]. Males were more likely to be admitted as inpatients, 52 percent compared to 42 percent of females. Youngsters making their first attempt were least likely to be hospitalized; just 43 percent were compared to 63 percent of those who had made three or more prior attempts.

Certain methods were more likely than others to result in hospitalization. Of the categories with at least ten events, attempts involving hanging or suffocation most often resulted in hospitalization; 69 percent of attempters using these methods were hospitalized. [Table 8-12]. By comparison 32 percent of the attempts involving cutting led to hospitalization. About six in ten (61%) of the “other” cases required hospitalization. These most often involved poisoning in combination with lacerations. Also included in this category are other potentially lethal methods such as running in front of traffic. Most adolescents who attempted suicide with a gun died before reaching a hospital.



SEVERITY OF INJURIES

One in seven (14%) of the attempts were definitely life-threatening; another 37 percent were possibly life-threatening. Attempts by boys, especially those aged 15-17, were more often definitely life-threatening. [Table 8-13]. Some attempt methods were clearly riskier than others. Among those attempters who survived long enough to receive hospital care, suffocation and hanging attempts proved most dangerous (among the methods with at least 10 attempts). However, most fatal attempts were made with guns and death occurred before the adolescent could be transported to the hospital. Cutting and piercing injuries were least likely to be life-threatening. [Table 8-14].

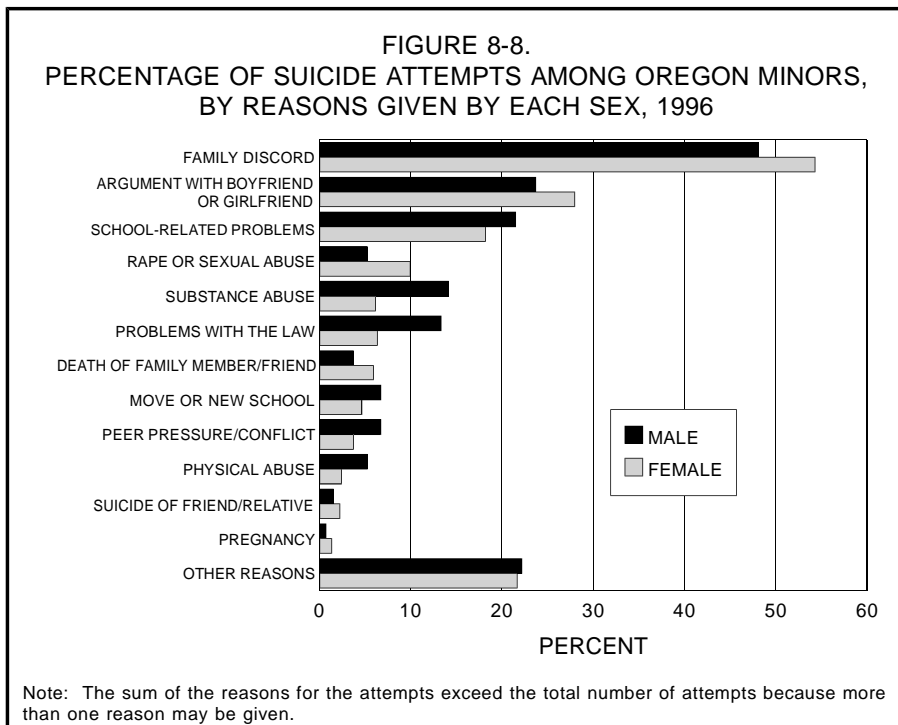
Attempts by suffocation and hanging were eight times more likely to be definitely life-threatening than were cutting and piercing injuries.

SUICIDAL INTENT

Not all suicide attempts were made with death as a goal. Some may have been made with a desire to resolve a difficult conflict, indicate an intolerable living situation, or elicit sympathy or guilt.

The intent of the attempters was unknown in half (49%) of the cases but at least one in six (16%) of the attempters were believed to have tried to kill themselves. Males age 15-17 were twice as likely as preteen females to have truly tried to end their lives, 21 percent versus 11 percent. [Table 8-15].

Among the methods with at least 10 attempts, attempters who tried to hang or suffocate themselves were most likely to



have had death as a goal. [Table 8-16]. Most of the attempts in this category involved hanging. Those attempters inflicting cutting injuries were least likely to have tried to kill themselves. Some adolescents misjudged the potential lethality of the method they used; over one-third (36%) of those who did not attempt to kill themselves made attempts that possibly or certainly put their lives at risk while 4.2 percent of attempters whose goal was death did not use life-threatening means.

The number of previous attempts was linked to the adolescents' intent; while 13 percent of those who had not made a prior attempt sought death, 22 percent of those who had made at least three prior attempts did so.

Attempters who were definitely trying to kill themselves were most likely to be admitted as inpatients: 70 percent compared to 43 percent of suicide ideators and 27 percent of those who did not attempt to kill themselves. (Suicide ideation is the expression of suicidal thought; no actual attempt is made.)

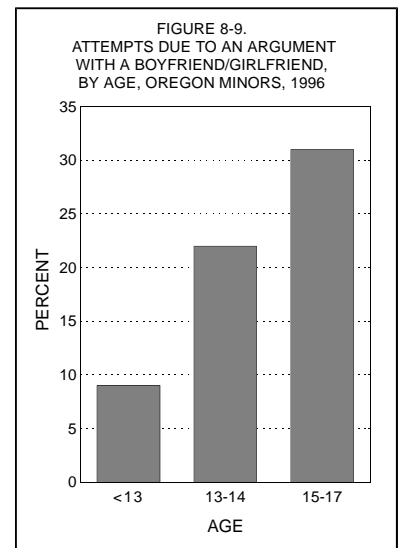
RECENT PERSONAL EVENTS

A suicide attempt may be triggered by a variety of personal crises. The report form allows one or more events leading to the attempt to be recorded.

Lack of social supports is a common thread among adolescents who attempt suicide, especially those who cite multiple reasons. One teenage boy, for example, was suicidal as a consequence of family discord, breakup with his girlfriend, eviction by his parents, and substance abuse. Only about one-fourth of all attempters lived with both natural parents. The most commonly reported reasons follow in order of frequency:

Family discord was the most common cause of attempted suicide. A little over half (53%) of Oregon minors said this prompted their attempts. [Table 8-17].¹ It was mentioned most often by preteens. Children attempting suicide who lived with a parent and step-parent were more likely to report family discord than those living with both natural parents, 63 percent compared to 58 percent. Family discord was mentioned by 73 percent of Asian and Pacific Islanders, and 78 percent of American Indians, the highest proportions by race; 53 percent of whites said discord was a cause. Attempters living in the tri-county area (Clackamas, Multnomah, and Washington) were more likely (60%) to report discord than others (49%).

An argument or breakup with a boyfriend or girlfriend was the second leading cause (27%). Older attempters were far more likely to give this as a reason than were their younger counterparts, but there was relatively little difference by gender. [Figure 8-9].



Three of every five suicide attempters who had been raped or sexually abused made multiple suicide attempts.

School-related problems (e.g., performance, truancy) were cited by one in five (19%) attempters. Boys were marginally more likely to report school-related problems than were girls, 22 percent compared to 18 percent. Preteens were half again as likely to report this reason than were attempters 15 or older. Tri-county youth mentioned this almost twice as often as others (27% vs. 14%). Not surprisingly, school-related problems were least frequently reported during June through August.

Sexual abuse or rape was cited by 9.0 percent of the attempters, and was reported twice as often by females than males, 9.9 percent versus 5.3 percent. Thirty-six percent of attempters reporting sexual abuse or rape had made previous attempts (compared to 28 percent of those who did not report it). Most often, the rape or sexual abuse was reportedly committed by fathers and uncles.

Substance abuse was linked to 7.6 percent of the attempts. It was listed over twice as often by males as by females (14.3% vs. 6.0%). Sixty-nine percent of attempters mentioning substance abuse were treated as in-patients, the second highest proportion by reason. Only attempters citing physical abuse were more likely to have made prior attempts (45% vs. 44%). Substance abuse was most common (by living situation) among attempters who were homeless (40%) or lived with friends (20%); just 4.7 percent of attempters living with both natural parents reported substance abuse. Barbiturates, alcohol, and marijuana were most often mentioned. Attempters living in the Portland tri-county area were more likely to mention substance abuse than were those living elsewhere in Oregon, 9.6 percent versus 6.4 percent.

Encounters with the legal system were also mentioned by 7.6 percent of the attempters. Shoplifting was most common but also reported were arson and other felonies. Males were twice as likely to attempt suicide for this reason, as were youth living east of the Cascades (compared to tri-county youth).

The death of a family member or friend prompted 5.4 percent of the attempts. Females were a little more likely to state that this was a reason for their attempt, as were preteens. Nineteen percent of youth who cited death of a family member or friend had made a previous attempt, the lowest proportion, by reason.

A move or attendance at a new school was cited by 5.0 percent of the attempters, with males more likely to do so than females, 6.8 percent versus 4.6 percent. By age, preteens were most likely to report this as the cause of their attempt.

Peer pressure or conflict was identified as a cause by 4.3 percent of attempters, and was cited more often by males and preteens. Peer pressure was more common among youth living east of the Cascades (8.5%) than those west of the Cascades (3.8%).

Physical abuse was reported in 2.9 percent of the attempts. Preteens gave this as a reason far more often than older attempters and males reported this twice as often as did females. Physically abused children were most likely to have made repeated attempts (45% vs. 29% making attempts for other reasons), and also most likely to be admitted as in-patients (70% versus 45% for all other reasons). [Table 8-19].

A suicide or attempted suicide by a family member or friend prompted 2.1 percent of the attempts. Female attempters reported this as a reason more often than males. Youth who attempted suicide because a friend or family member had done so were also most likely to have inflicted injuries that were definitely life-threatening. [Table 8-18].

Concern about pregnancy prompted 1.2 percent of the attempts. With the exception of one male, all of the attempters were female and all but one were 15 or older.

Same-sex sexual orientation is generally accepted as a related underlying cause of teen suicide. The issue is difficult to study under the current reporting system because of a lack of comparison data. Moreover, even if information on sexual orientation were requested on the reporting form, its validity would be highly questionable; many teens would be unlikely to respond truthfully, if at all. Nevertheless, the risk is one that health care providers must consider.

Other reasons given included: gang involvement, parental drug abuse, employment problems, abandonment, illness of family members or self, and eviction. The likelihood that a youth sought death was highest among attempters who gave multiple reasons, particularly those who cited four or more reasons.

CONCLUSIONS

Although the teen suicide rate is not as high as the rates for most older Oregonians, until the past several years it has trended upward, and is higher than it was just a generation ago.

Health care professionals, parents, law enforcement officials and others need to be aware that the changing social milieu is prompting more adolescents to consider suicide as an option. Without intervention, a failed suicide attempt may be followed by an attempt that results in death.

1. The reasons for suicide attempts were reported for 88 percent of the attempts. The percentages here include only attempts for which the reasons were known.

Physically abused children were most likely to have repeatedly tried to kill themselves; nearly half made multiple attempts.

TABLE 8-1.
NUMBER OF SUICIDES AMONG OREGON TEENS AND PRETEENS
BY AGE AND SEX, 1986-1996

YEAR AND SEX	AGE												
	10-19	10-17	15-19	10	11	12	13	14	15	16	17	18	19
1986 TOTAL	34	19	30	-	-	1	1	2	1	5	9	8	7
MALE	30	18	27	-	-	-	1	2	1	5	9	6	6
FEMALE	4	1	3	-	-	1	-	-	-	-	-	2	1
1987 TOTAL	23	9	22	-	-	-	-	1	3	3	2	10	4
MALE	19	6	18	-	-	-	-	1	2	2	1	9	4
FEMALE	4	3	4	-	-	-	-	-	1	1	1	1	-
1988 TOTAL	35	16	32	-	-	2	-	1	1	3	9	9	10
MALE	28	12	25	-	-	2	-	1	1	2	6	7	9
FEMALE	7	4	7	-	-	-	-	-	-	1	3	2	1
1989 TOTAL	26	16	22	-	-	1	1	2	2	3	7	3	7
MALE	21	13	17	-	-	1	1	2	2	3	4	2	6
FEMALE	5	3	5	-	-	-	-	-	-	-	3	1	1
1990 TOTAL	*40	24	32	*1	-	-	2	5	3	6	7	6	10
MALE	*29	14	25	*1	-	-	-	3	3	2	5	6	9
FEMALE	11	10	7	-	-	-	2	2	-	4	2	-	1
1991 TOTAL	41	21	37	-	1	1	-	2	3	8	6	10	10
MALE	31	14	29	-	1	1	-	-	2	6	4	7	10
FEMALE	10	7	8	-	-	-	-	2	1	2	2	3	-
1992 TOTAL	40	25	34	-	1	1	1	3	6	7	6	7	8
MALE	34	21	31	-	1	-	1	1	6	6	6	6	7
FEMALE	6	4	3	-	-	1	-	2	-	1	-	1	1
1993 TOTAL	33	24	24	-	1	-	4	4	1	5	9	3	6
MALE	30	23	22	-	1	-	3	4	1	5	9	3	4
FEMALE	3	1	2	-	-	-	1	-	-	-	-	-	2
1994 TOTAL	37	21	31	-	-	-	3	3	1	6	8	8	8
MALE	24	11	22	-	-	-	2	-	-	2	7	6	7
FEMALE	13	10	9	-	-	-	1	3	1	4	1	2	1
1995 TOTAL	43	27	38	-	-	1	1	3	8	2	12	8	8
MALE	35	22	32	-	-	1	1	1	6	2	11	8	5
FEMALE	8	5	6	-	-	-	-	2	2	-	1	-	3
1996 TOTAL	38	23	28	2	1	1	1	5	3	7	3	5	10
MALE	31	18	22	2	1	1	-	5	3	6	-	5	8
FEMALE	7	5	6	-	-	-	1	-	-	1	3	-	2

TABLE 8-2.
SUICIDE ATTEMPTS BY SEX AND AGE,
OREGON MINORS, 1996

SEX	TOTAL	AGE		
		<=12	13-14	15-17
TOTAL	778	52	209	517
MALE	163	14	25	124
FEMALE	615	38	184	393
<i>ROW PERCENT</i>				
TOTAL	100.0	6.7	26.9	66.5
MALE	100.0	8.6	15.3	76.1
FEMALE	100.0	6.2	29.9	63.9
<i>COLUMN PERCENT</i>				
TOTAL	100.0	100.0	100.0	100.0
MALE	21.0	26.9	12.0	24.0
FEMALE	79.0	73.1	88.0	76.0

**TABLE 8-3.
SUICIDE ATTEMPTS BY AGE AND LIVING
SITUATION, OREGON MINORS, 1996**

HOUSEHOLD SITUATION	TOTAL	AGE		
		<=12	13-14	15-17
TOTAL	778	52	209	517
BOTH PARENTS	212	14	51	147
FATHER ONLY	31	1	5	25
MOTHER ONLY	214	18	65	131
PARENT & STEPPARENT	99	6	30	63
OTHER RELATIVES	29	3	10	16
FRIENDS	24	-	1	23
FOSTER PARENTS, SCF, ETC.	64	5	10	49
HOMELESS	5	1	1	3
OTHER	18	2	3	13
N.S.	82	2	33	47
<i>ROW PERCENT</i>				
TOTAL	100.0	6.7	26.9	66.5
BOTH PARENTS	100.0	6.6	24.1	69.3
FATHER ONLY	100.0	3.2	16.1	80.6
MOTHER ONLY	100.0	8.4	30.4	61.2
PARENT & STEPPARENT	100.0	6.1	30.3	63.6
OTHER RELATIVES	100.0	10.3	34.5	55.2
FRIENDS	100.0	-	4.2	95.8
FOSTER PARENTS, SCF, ETC.	100.0	7.8	15.6	76.6
HOMELESS	100.0	20.0	20.0	60.0
OTHER	100.0	11.1	16.7	72.2
N.S.	100.0	2.4	40.2	57.3
<i>COLUMN PERCENT</i>				
TOTAL	100.0	100.0	100.0	100.0
BOTH PARENTS	27.2	26.9	24.4	28.4
FATHER ONLY	4.0	1.9	2.4	4.8
MOTHER ONLY	27.5	34.6	31.1	25.3
PARENT & STEPPARENT	12.7	11.5	14.4	12.2
OTHER RELATIVES	3.7	5.8	4.8	3.1
FRIENDS	3.1	-	.5	4.4
FOSTER PARENTS, SCF, ETC.	8.2	9.6	4.8	9.5
HOMELESS	.6	1.9	.5	.6
OTHER	2.3	3.8	1.4	2.5
N.S.	10.5	3.8	15.8	9.1

SCF (Services to Children and Families) formerly known as Children's Services Division (CSD).

TABLE 8-4.
SUICIDE ATTEMPTS BY SEX, AGE, AND COUNTY OF RESIDENCE,
OREGON MINORS, 1996

COUNTY OF RESIDENCE	TOTAL	ATTEMPT RATE	AGE					
			<=12		13-14		15-17	
			M	F	M	F	M	F
TOTAL	778	217.7	14	38	25	184	124	393
BAKER	2	98.7	-	-	-	1	-	1
BENTON	15	199.1	-	1	1	7	-	6
CLACKAMAS	46	125.5	1	2	-	12	9	22
CLATSOP	21	505.8	-	2	-	5	2	12
COLUMBIA	4	79.3	1	-	-	2	-	1
COOS	15	210.5	1	-	-	3	1	10
CROOK	2	106.4	-	-	-	1	-	1
CURRY	1	48.3	-	-	-	-	-	1
DESCHUTES	21	189.5	-	-	-	2	5	14
DOUGLAS	15	129.0	-	1	-	2	4	8
GILLIAM	-	-	-	-	-	-	-	-
GRANT	5	484.0	-	-	-	-	2	3
HARNEY	3	327.2	-	1	-	1	-	1
HOOD RIVER	3	134.3	-	-	-	2	-	1
JACKSON	47	254.5	2	3	2	9	6	25
JEFFERSON	3	142.3	-	-	-	2	-	1
JOSEPHINE	23	293.9	-	1	-	3	6	13
KLAMATH	19	263.4	-	2	3	4	1	9
LAKE	2	209.6	-	-	-	1	1	-
LANE	89	265.6	-	7	2	21	11	48
LINCOLN	8	172.4	-	-	-	2	3	3
LINN	23	195.6	1	2	1	2	5	12
MALHEUR	7	184.3	-	-	-	3	2	2
MARION	110	364.9	-	-	4	29	23	54
MORROW	-	-	-	-	-	-	-	-
MULTNOMAH	150	231.7	3	14	5	36	18	74
POLK	6	90.5	1	-	-	2	-	3
SHERMAN	-	-	-	-	-	-	-	-
TILLAMOOK	6	225.8	-	1	1	-	-	4
UMATILLA	13	161.0	1	-	3	3	2	4
UNION	5	167.1	-	-	-	-	3	2
WALLOWA	-	-	-	-	-	-	-	-
WASCO	6	219.7	-	-	1	2	-	3
WASHINGTON	89	206.7	2	1	2	25	16	43
WHEELER	-	-	-	-	-	-	-	-
YAMHILL	19	193.0	1	-	-	2	4	12

NOTE: Rates are per 100,000 10- to 17-year-olds.

WARNING: Rates based on fewer than 5 events may be unreliable.

**TABLE 8-5.
SUICIDE ATTEMPTS BY SEX AND PLACE OF ATTEMPT,
OREGON MINORS, 1996**

SEX	TOTAL	PLACE OF ATTEMPT								
		PRIVATE HOME		SCHOOL	JAIL	OTHER INSTITUTION	PUBLIC PLACE	FOSTER HOME	OTHER	N.S.*
		OWN	OTHER							
TOTAL	778	568	35	21	-	34	22	4	14	80
MALE	163	110	8	5	-	10	11	1	3	15
FEMALE	615	458	27	16	-	24	11	3	11	65
<i>ROW PERCENT</i>										
TOTAL	100.0	73.0	4.5	2.7	-	4.4	2.8	.5	1.8	10.3
MALE	100.0	67.5	4.9	3.1	-	6.1	6.7	.6	1.8	9.2
FEMALE	100.0	74.5	4.4	2.6	-	3.9	1.8	.5	1.8	10.6
<i>COLUMN PERCENT</i>										
TOTAL	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	100.0
MALE	21.0	19.4	22.9	23.8	-	29.4	50.0	25.0	21.4	18.8
FEMALE	79.0	80.6	77.1	76.2	-	70.6	50.0	75.0	78.6	81.3

* Not stated.

**TABLE 8-6.
PRIOR SUICIDE ATTEMPTS BY CURRENT ATTEMPTERS DURING THE
PREVIOUS FIVE YEARS, BY SEX AND NUMBER OF ATTEMPTS,
OREGON MINORS, 1996**

SEX	TOTAL	PREVIOUS ATTEMPTS						
		0	1	2	3	4+	YES BUT # UNK.	NOT STATED
TOTAL	778	357	97	19	14	18	76	197
MALE	163	79	18	2	3	1	16	44
FEMALE	615	278	79	17	11	17	60	153
<i>ROW PERCENT</i>								
TOTAL	100.0	45.9	12.5	2.4	1.8	2.3	9.8	25.3
MALE	100.0	48.5	11.0	1.2	1.8	.6	9.8	27.0
FEMALE	100.0	45.2	12.8	2.8	1.8	2.8	9.8	24.9
<i>COLUMN PERCENT</i>								
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
MALE	21.0	22.1	18.6	10.5	21.4	5.6	21.1	22.3
FEMALE	79.0	77.9	81.4	89.5	78.6	94.4	78.9	77.7

**TABLE 8-7.
SUICIDE ATTEMPTS BY METHOD AND SEX,
OREGON MINORS, 1996**

METHOD OF ATTEMPT	TOTAL	SEX	
		MALE	FEMALE
TOTAL	778	163	615
POISONING, DRUGS	604	93	511
POISONING, SOLIDS & LIQUIDS	14	3	11
POISONING, GAS	1	1	-
SUFFOCATION & HANGING	39	20	19
DROWNING	-	-	-
FIREARMS	1	1	-
CUTTING & PIERCING	59	17	42
JUMPING FROM A HIGH PLACE	-	-	-
OTHER	39	15	24
IDEATION ONLY	21	13	8
<i>ROW PERCENT</i>			
TOTAL	100.0	21.0	79.0
POISONING, DRUGS	100.0	15.4	84.6
POISONING, SOLIDS & LIQUIDS	100.0	21.4	78.6
POISONING, GAS	100.0	100.0	-
SUFFOCATION & HANGING	100.0	51.3	48.7
DROWNING	-	-	-
FIREARMS	100.0	100.0	-
CUTTING & PIERCING	100.0	28.8	71.2
JUMPING FROM A HIGH PLACE	-	-	-
OTHER	100.0	38.5	61.5
IDEATION ONLY	100.0	61.9	38.1
<i>COLUMN PERCENT</i>			
TOTAL	100.0	100.0	100.0
POISONING, DRUGS	77.6	57.1	83.1
POISONING, SOLIDS & LIQUIDS	1.8	1.8	1.8
POISONING, GAS	.1	.6	-
SUFFOCATION & HANGING	5.0	12.3	3.1
DROWNING	-	-	-
FIREARMS	.1	.6	-
CUTTING & PIERCING	7.6	10.4	6.8
JUMPING FROM A HIGH PLACE	-	-	-
OTHER	5.0	9.2	3.9
IDEATION ONLY	2.7	8.0	1.3

TABLE 8-8.
SUICIDE ATTEMPTS BY METHOD AND AGE,
OREGON MINORS, 1996

METHOD OF ATTEMPT	TOTAL	AGE		
		<=12	13-14	15-17
TOTAL	778	52	209	517
POISONING, DRUGS	604	34	174	396
POISONING, SOLIDS & LIQUIDS	14	5	4	5
POISONING, GAS	1	-	-	1
SUFFOCATION & HANGING	39	7	5	27
DROWNING	-	-	-	-
FIREARMS	1	-	-	1
CUTTING & PIERCING	59	2	16	41
JUMPING FROM A HIGH PLACE	-	-	-	-
OTHER	39	1	6	32
IDEATION ONLY	21	3	4	14
<i>ROW PERCENT</i>				
TOTAL	100.0	6.7	26.9	66.5
POISONING, DRUGS	100.0	5.6	28.8	65.6
POISONING, SOLIDS & LIQUIDS	100.0	35.7	28.6	35.7
POISONING, GAS	100.0	-	-	100.0
SUFFOCATION & HANGING	100.0	17.9	12.8	69.2
DROWNING	-	-	-	-
FIREARMS	100.0	-	-	100.0
CUTTING & PIERCING	100.0	3.4	27.1	69.5
JUMPING FROM A HIGH PLACE	-	-	-	-
OTHER	100.0	2.6	15.4	82.1
IDEATION ONLY	100.0	14.3	19.0	66.7
<i>COLUMN PERCENT</i>				
TOTAL	100.0	100.0	100.0	100.0
POISONING, DRUGS	77.6	65.4	83.3	76.6
POISONING, SOLIDS & LIQUIDS	1.8	9.6	1.9	1.0
POISONING, GAS	.1	-	-	.2
SUFFOCATION & HANGING	5.0	13.5	2.4	5.2
DROWNING	-	-	-	-
FIREARMS	.1	-	-	.2
CUTTING & PIERCING	7.6	3.8	7.7	7.9
JUMPING FROM A HIGH PLACE	-	-	-	-
OTHER	5.0	1.9	2.9	6.2
IDEATION ONLY	2.7	5.8	1.9	2.7

TABLE 8-9.
SUICIDE ATTEMPTS BY METHOD AND REGION OF ATTEMPT,
OREGON MINORS, 1996

METHOD OF ATTEMPT	TOTAL	REGION		
		TRI-COUNTY*	WESTERN OREGON**	EASTERN OREGON
TOTAL	778	285	402	91
POISONING, DRUGS	604	222	308	74
POISONING, SOLIDS & LIQUIDS	14	5	8	1
POISONING, GAS	1	1	-	-
SUFFOCATION & HANGING	39	9	27	3
DROWNING	-	-	-	-
FIREARMS	1	-	-	1
CUTTING & PIERCING	59	25	28	6
JUMPING FROM A HIGH PLACE	-	-	-	-
OTHER	39	17	17	5
IDEATION ONLY	21	6	14	1
<i>ROW PERCENT</i>				
TOTAL	100.0	36.6	51.7	11.7
POISONING, DRUGS	100.0	36.8	51.0	12.3
POISONING, SOLIDS & LIQUIDS	100.0	35.7	57.1	7.1
POISONING, GAS	100.0	100.0	-	-
SUFFOCATION & HANGING	100.0	23.1	69.2	7.7
DROWNING	-	-	-	-
FIREARMS	100.0	-	-	100.0
CUTTING & PIERCING	100.0	42.4	47.5	10.2
JUMPING FROM A HIGH PLACE	-	-	-	-
OTHER	100.0	43.6	43.6	12.8
IDEATION ONLY	100.0	28.6	66.7	4.8
<i>COLUMN PERCENT</i>				
TOTAL	100.0	100.0	100.0	100.0
POISONING, DRUGS	77.6	77.9	76.6	81.3
POISONING, SOLIDS & LIQUIDS	1.8	1.8	2.0	1.1
POISONING, GAS	.1	.4	-	-
SUFFOCATION & HANGING	5.0	3.2	6.7	3.3
DROWNING	-	-	-	-
FIREARMS	.1	-	-	1.1
CUTTING & PIERCING	7.6	8.8	7.0	6.6
JUMPING FROM A HIGH PLACE	-	-	-	-
OTHER	5.0	6.0	4.2	5.5
IDEATION ONLY	2.7	2.1	3.5	1.1

* Clackamas, Multnomah and Washington.

** Western counties excluding Clackamas, Multnomah and Washington.

TABLE 8-10.
SUICIDE ATTEMPTS BY METHOD AND ATTEMPTS DURING THE
PREVIOUS FIVE YEARS, OREGON MINORS, 1996

METHOD OF ATTEMPT	TOTAL	PREVIOUS ATTEMPTS		
		NO PREVIOUS ATTEMPTS	PREVIOUS ATTEMPTS	NOT STATED
TOTAL	778	357	224	197
POISONING, DRUGS	604	295	162	147
POISONING, SOLIDS & LIQUIDS	14	5	4	5
POISONING, GAS	1	1	-	-
SUFFOCATION & HANGING	39	11	23	5
DROWNING	-	-	-	-
FIREARMS	1	1	-	-
CUTTING & PIERCING	59	20	14	25
JUMPING FROM A HIGH PLACE	-	-	-	-
OTHER	39	17	12	10
IDEATION ONLY	21	7	9	5
<i>ROW PERCENT</i>				
TOTAL	100.0	45.9	28.8	25.3
POISONING, DRUGS	100.0	48.8	26.8	24.3
POISONING, SOLIDS & LIQUIDS	100.0	35.7	28.6	35.7
POISONING, GAS	100.0	100.0	-	-
SUFFOCATION & HANGING	100.0	28.2	59.0	12.8
DROWNING	-	-	-	-
FIREARMS	100.0	100.0	-	-
CUTTING & PIERCING	100.0	33.9	23.7	42.4
JUMPING FROM A HIGH PLACE	-	-	-	-
OTHER	100.0	43.6	30.8	25.6
IDEATION ONLY	100.0	33.3	42.9	23.8
<i>COLUMN PERCENT</i>				
TOTAL	100.0	100.0	100.0	100.0
POISONING, DRUGS	77.6	82.6	72.3	74.6
POISONING, SOLIDS & LIQUIDS	1.8	1.4	1.8	2.5
POISONING, GAS	.1	.3	-	-
SUFFOCATION & HANGING	5.0	3.1	10.3	2.5
DROWNING	-	-	-	-
FIREARMS	.1	.3	-	-
CUTTING & PIERCING	7.6	5.6	6.3	12.7
JUMPING FROM A HIGH PLACE	-	-	-	-
OTHER	5.0	4.8	5.4	5.1
IDEATION ONLY	2.7	2.0	4.0	2.5

**TABLE 8-11.
SUICIDE ATTEMPTS BY SEX AND SUBSEQUENT
PATIENT STATUS, OREGON MINORS, 1996**

SEX	TOTAL	PATIENT STATUS		
		ADMITTED AS AN INPATIENT	OUT- PATIENT	NOT STATED
TOTAL	778	345	433	-
MALE	163	85	78	-
FEMALE	615	260	355	-
<i>ROW PERCENT</i>				
TOTAL	100.0	44.3	55.7	-
MALE	100.0	52.1	47.9	-
FEMALE	100.0	42.3	57.7	-
<i>COLUMN PERCENT</i>				
TOTAL	100.0	100.0	100.0	-
MALE	21.0	24.6	18.0	-
FEMALE	79.0	75.4	82.0	-

NOTE: No attempts were made by adolescents who were inpatients at the time of their attempt.

**TABLE 8-12.
SUICIDE ATTEMPTS BY METHOD AND SUBSEQUENT
PATIENT STATUS, OREGON MINORS, 1996**

METHOD OF ATTEMPT	TOTAL	PATIENT STATUS		
		ADMITTED AS AN INPATIENT	OUT- PATIENT	NOT STATED
TOTAL	778	345	433	-
POISONING, DRUGS	604	261	343	-
POISONING, SOLIDS & LIQUIDS	14	4	10	-
POISONING, GAS	1	1	-	-
SUFFOCATION & HANGING	39	27	12	-
DROWNING	-	-	-	-
FIREARMS	1	-	1	-
CUTTING & PIERCING	59	19	40	-
JUMPING FROM A HIGH PLACE	-	-	-	-
OTHER	39	24	15	-
IDEATION ONLY	21	9	12	-
<i>ROW PERCENT</i>				
TOTAL	100.0	44.3	55.7	-
POISONING, DRUGS	100.0	43.2	56.8	-
POISONING, SOLIDS & LIQUIDS	100.0	28.6	71.4	-
POISONING, GAS	100.0	100.0	-	-
SUFFOCATION & HANGING	100.0	69.2	30.8	-
DROWNING	-	-	-	-
FIREARMS	100.0	-	100.0	-
CUTTING & PIERCING	100.0	32.2	67.8	-
JUMPING FROM A HIGH PLACE	-	-	-	-
OTHER	100.0	61.5	38.5	-
IDEATION ONLY	100.0	42.9	57.1	-
<i>COLUMN PERCENT</i>				
TOTAL	100.0	100.0	100.0	-
POISONING, DRUGS	77.6	75.7	79.2	-
POISONING, SOLIDS & LIQUIDS	1.8	1.2	2.3	-
POISONING, GAS	.1	.3	-	-
SUFFOCATION & HANGING	5.0	7.8	2.8	-
DROWNING	-	-	-	-
FIREARMS	.1	-	.2	-
CUTTING & PIERCING	7.6	5.5	9.2	-
JUMPING FROM A HIGH PLACE	-	-	-	-
OTHER	5.0	7.0	3.5	-
IDEATION ONLY	2.7	2.6	2.8	-

NOTE: No attempts were made by adolescents who were inpatients at the time of their attempt.

TABLE 8-13.
SUICIDE ATTEMPTS BY ATTEMPTER'S AGE, SEX, AND SEVERITY
OF INJURIES, OREGON MINORS, 1996

SEX AND AGE	TOTAL	LIFE-THREATENING?			
		YES	POSSIBLY	NO	NOT STATED
BOTH SEXES	778	112	289	359	18
<=12	52	7	18	27	-
13-14	209	25	77	104	3
15-17	517	80	194	228	15
MALE	163	35	58	67	3
<=12	14	2	6	6	-
13-14	25	3	9	13	-
15-17	124	30	43	48	3
FEMALE	615	77	231	292	15
<=12	38	5	12	21	-
13-14	184	22	68	91	3
15-17	393	50	151	180	12
ROW PERCENT					
BOTH SEXES	100.0	14.4	37.1	46.1	2.3
<=12	100.0	13.5	34.6	51.9	-
13-14	100.0	12.0	36.8	49.8	1.4
15-17	100.0	15.5	37.5	44.1	2.9
MALE	100.0	21.5	35.6	41.1	1.8
<=12	100.0	14.3	42.9	42.9	-
13-14	100.0	12.0	36.0	52.0	-
15-17	100.0	24.2	34.7	38.7	2.4
FEMALE	100.0	12.5	37.6	47.5	2.4
<=12	100.0	13.2	31.6	55.3	-
13-14	100.0	12.0	37.0	49.5	1.6
15-17	100.0	12.7	38.4	45.8	3.1

TABLE 8-14.
SUICIDE ATTEMPTS BY METHOD AND SEVERITY OF INJURIES, OREGON MINORS,
1996

METHOD OF ATTEMPT	TOTAL	LIFE-THREATENING?			
		YES	POSSIBLY	NO	NOT-STATED
TOTAL	778	112	289	359	18
POISONING, DRUGS	604	94	234	260	16
POISONING, SOLIDS & LIQUIDS	14	1	8	5	-
POISONING, GAS	1	1	-	-	-
SUFFOCATION & HANGING	39	11	12	16	-
DROWNING	-	-	-	-	-
FIREARMS	1	-	-	-	1
CUTTING & PIERCING	59	2	18	39	-
JUMPING FROM A HIGH PLACE	-	-	-	-	-
OTHER	60	3	17	39	1
IDEATION ONLY					
<i>ROW PERCENT</i>					
TOTAL	100.0	14.4	37.1	46.1	2.3
POISONING, DRUGS	100.0	15.6	38.7	43.0	2.6
POISONING, SOLIDS & LIQUIDS	100.0	7.1	57.1	35.7	-
POISONING, GAS	100.0	100.0	-	-	-
SUFFOCATION & HANGING	100.0	28.2	30.8	41.0	-
DROWNING	-	-	-	-	-
FIREARMS	100.0	-	-	-	100.0
CUTTING & PIERCING	100.0	3.4	30.5	66.1	-
JUMPING FROM A HIGH PLACE	-	-	-	-	-
OTHER	100.0	5.0	28.3	65.0	1.7
IDEATION ONLY					
<i>COLUMN PERCENT</i>					
TOTAL	100.0	100.0	100.0	100.0	100.0
POISONING, DRUGS	77.6	83.9	81.0	72.4	88.9
POISONING, SOLIDS & LIQUIDS	1.8	.9	2.8	1.4	-
POISONING, GAS	.1	.9	-	-	-
SUFFOCATION & HANGING	5.0	9.8	4.2	4.5	-
DROWNING	-	-	-	-	-
FIREARMS	.1	-	-	-	5.6
CUTTING & PIERCING	7.6	1.8	6.2	10.9	-
JUMPING FROM A HIGH PLACE	-	-	-	-	-
OTHER	7.7	2.7	5.9	10.9	5.6
IDEATION ONLY					

TABLE 8-15.
SUICIDE ATTEMPTS BY SEX, AGE, AND INTENT OF ATTEMPTER,
OREGON MINORS, 1996

SEX AND AGE	TOTAL	TRIED TO KILL THEMSELVES?			
		YES	NO	IDEATION	UNCERTAIN
BOTH SEXES	778	123	255	21	379
<=12	52	6	18	3	25
13-14	209	39	82	4	84
15-17	517	78	155	14	270
MALE	163	32	37	13	81
<=12	14	2	4	1	7
13-14	25	4	9	1	11
15-17	124	26	24	11	63
FEMALE	615	91	218	8	298
<=12	38	4	14	2	18
13-14	184	35	73	3	73
15-17	393	52	131	3	207
ROW PERCENT					
BOTH SEXES	100.0	15.8	32.8	2.7	48.7
<=12	100.0	11.5	34.6	5.8	48.1
13-14	100.0	18.7	39.2	1.9	40.2
15-17	100.0	15.1	30.0	2.7	52.2
MALE	100.0	19.6	22.7	8.0	49.7
<=12	100.0	14.3	28.6	7.1	50.0
13-14	100.0	16.0	36.0	4.0	44.0
15-17	100.0	21.0	19.4	8.9	50.8
FEMALE	100.0	14.8	35.4	1.3	48.5
<=12	100.0	10.5	36.8	5.3	47.4
13-14	100.0	19.0	39.7	1.6	39.7
15-17	100.0	13.2	33.3	.8	52.7

TABLE 8-16.
SUICIDE ATTEMPTS BY METHOD AND INTENT OF ATTEMPTER, OREGON MINORS, 1996

METHOD OF ATTEMPT	TOTAL	TRIED TO KILL THEMSELVES?			
		YES	NO	IDEATION	UNCERTAIN
TOTAL	778	123	255	21	379
POISONING, DRUGS	604	99	206	-	299
POISONING, SOLIDS & LIQUIDS	14	2	6	-	6
POISONING, GAS	1	1	-	-	-
SUFFOCATION & HANGING	39	10	10	-	19
DROWNING	-	-	-	-	-
FIREARMS	1	-	1	-	-
CUTTING & PIERCING	59	5	21	-	33
JUMPING FROM A HIGH PLACE	-	-	-	-	-
OTHER	39	6	11	-	22
IDEATION ONLY	21	-	-	21	-
<i>ROW PERCENT</i>					
TOTAL	100.0	15.8	32.8	2.7	48.7
POISONING, DRUGS	100.0	16.4	34.1	-	49.5
POISONING, SOLIDS & LIQUIDS	100.0	14.3	42.9	-	42.9
POISONING, GAS	100.0	100.0	-	-	-
SUFFOCATION & HANGING	100.0	25.6	25.6	-	48.7
DROWNING	-	-	-	-	-
FIREARMS	100.0	-	100.0	-	-
CUTTING & PIERCING	100.0	8.5	35.6	-	55.9
JUMPING FROM A HIGH PLACE	-	-	-	-	-
OTHER	100.0	15.4	28.2	-	56.4
IDEATION ONLY	100.0	-	-	100.0	-
<i>COLUMN PERCENT</i>					
TOTAL	100.0	100.0	100.0	100.0	100.0
POISONING, DRUGS	77.6	80.5	80.8	-	78.9
POISONING, SOLIDS & LIQUIDS	1.8	1.6	2.4	-	1.6
POISONING, GAS	.1	.8	-	-	-
SUFFOCATION & HANGING	5.0	8.1	3.9	-	5.0
DROWNING	-	-	-	-	-
FIREARMS	.1	-	.4	-	-
CUTTING & PIERCING	7.6	4.1	8.2	-	8.7
JUMPING FROM A HIGH PLACE	-	-	-	-	-
OTHER	5.0	4.9	4.3	-	5.8
IDEATION ONLY	2.7	-	-	100.0	-

TABLE 8-17.
REASONS GIVEN FOR SUICIDE ATTEMPTS BY AGE AND SEX,
OREGON MINORS, 1996

REASONS	TOTAL	SEX		AGE		
		MALE	FEMALE	<=12	13-14	15-17
TOTAL						
NUMBER	681	133	548	45	180	456
PERCENT	100.0	100.0	100.0	100.0	100.0	100.0
FAMILY DISCORD						
NUMBER	360	63	297	32	101	227
PERCENT	52.9	47.4	54.2	71.1	56.1	49.8
ARGUMENT WITH BOY/GIRLFRIEND						
NUMBER	185	32	153	4	40	141
PERCENT	27.2	24.1	27.9	8.9	22.2	30.9
SCHOOL-RELATED PROBLEMS						
NUMBER	130	29	101	13	32	85
PERCENT	19.1	21.8	18.4	28.9	17.8	18.6
RAPE OR SEXUAL ABUSE						
NUMBER	61	7	54	6	17	38
PERCENT	9.0	5.3	9.9	13.3	9.4	8.3
SUBSTANCE ABUSE						
NUMBER	52	19	33	2	15	35
PERCENT	7.6	14.3	6.0	4.4	8.3	7.7
PROBLEMS WITH THE LAW						
NUMBER	52	17	35	3	7	42
PERCENT	7.6	12.8	6.4	6.7	3.9	9.2
DEATH OF FAMILY MEMBER/FRIEND						
NUMBER	37	5	32	1	16	20
PERCENT	5.4	3.8	5.8	2.2	8.9	4.4
MOVE OR NEW SCHOOL						
NUMBER	34	9	25	4	14	16
PERCENT	5.0	6.8	4.6	8.9	7.8	3.5
PEER PRESSURE/CONFLICT						
NUMBER	29	9	20	3	7	19
PERCENT	4.3	6.8	3.6	6.7	3.9	4.2
PHYSICAL ABUSE						
NUMBER	20	7	13	5	4	11
PERCENT	2.9	5.3	2.4	11.1	2.2	2.4
SUICIDE BY FRIEND/RELATIVE						
NUMBER	14	2	12	1	5	8
PERCENT	2.1	1.5	2.2	2.2	2.8	1.8
PREGNANCY						
NUMBER	8	1	7	-	1	7
PERCENT	1.2	.8	1.3	-	.6	1.5
OTHER REASONS						
NUMBER	149	30	119	12	46	91
PERCENT	21.9	22.6	21.7	26.7	25.6	20.0

NOTE: Reports with unknown reasons for suicide attempts are not included in this table.

Percentages do not total 100 because more than one reason may have been given.

The category "suicide by friend/relative" includes suicide attempts.

TABLE 8-18.
REASONS GIVEN FOR SUICIDE ATTEMPTS BY SEVERITY OF INJURIES, OREGON MINORS, 1996

REASONS	TOTAL		LIFE THREATENING?							
			YES		POSSIBLY		NO		NOT STATED	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
TOTAL	681	100.0	97	14.2	254	37.3	315	46.3	15	2.2
FAMILY DISCORD	360	100.0	42	11.7	154	42.8	159	44.2	5	1.4
ARGUMENT WITH BOY/GIRLFRIEND	185	100.0	31	16.8	72	38.9	79	42.7	3	1.6
SCHOOL-RELATED PROBLEMS	130	100.0	24	18.5	47	36.2	54	41.5	5	3.8
RAPE OR SEXUAL ABUSE	61	100.0	7	11.5	29	47.5	24	39.3	1	1.6
PEER PRESSURE/CONFLICT	29	100.0	4	13.8	10	34.5	14	48.3	1	3.4
SUBSTANCE ABUSE	52	100.0	11	21.2	16	30.8	24	46.2	1	1.9
PROBLEMS WITH THE LAW	52	100.0	11	21.2	21	40.4	19	36.5	1	1.9
DEATH OF FAMILY MEMBER/FRIEND	37	100.0	5	13.5	15	40.5	15	40.5	2	5.4
MOVE OR NEW SCHOOL	34	100.0	7	20.6	12	35.3	15	44.1	-	-
PHYSICAL ABUSE	20	100.0	4	20.0	7	35.0	9	45.0	-	-
SUICIDE BY FRIEND/RELATIVE	14	100.0	5	35.7	4	28.6	5	35.7	-	-
PREGNANCY	8	100.0	-	-	2	25.0	6	75.0	-	-
OTHER REASONS	149	100.0	21	14.1	60	40.3	64	43.0	4	2.7

NOTE: Reports with unknown reasons for suicide attempts are not included in this table. Percentages do not add up to 100 because more than one reason may have been given. The category "suicide by friend/relative" includes suicide attempts.

TABLE 8-19.
REASONS GIVEN FOR SUICIDE ATTEMPTS BY INTENT OF ATTEMPTER, OREGON MINORS, 1996

REASONS	TOTAL		TRIED TO KILL THEMSELVES?							
			YES		NO		IDEATION		UNCERTAIN	
			Number	Percent	Number	Percent	Number	Percent	Number	Percent
TOTAL	681	100.0	104	15.3	228	33.5	19	2.8	330	48.5
FAMILY DISCORD	360	100.0	57	15.8	127	35.3	11	3.1	165	45.8
ARGUMENT WITH BOY/GIRLFRIEND	185	100.0	31	16.8	55	29.7	3	1.6	96	51.9
SCHOOL-RELATED PROBLEMS	130	100.0	27	20.8	38	29.2	6	4.6	59	45.4
RAPE OR SEXUAL ABUSE	61	100.0	10	16.4	18	29.5	2	3.3	31	50.8
PEER PRESSURE/CONFLICT	29	100.0	10	34.5	4	13.8	2	6.9	13	44.8
SUBSTANCE ABUSE	52	100.0	8	15.4	18	34.6	2	3.8	24	46.2
PROBLEMS WITH THE LAW	52	100.0	10	19.2	14	26.9	2	3.8	26	50.0
DEATH OF FAMILY MEMBER/FRIEND	37	100.0	7	18.9	12	32.4	1	2.7	17	45.9
MOVE OR NEW SCHOOL	34	100.0	4	11.8	13	38.2	3	8.8	14	41.2
PHYSICAL ABUSE	20	100.0	2	10.0	5	25.0	-	-	13	65.0
SUICIDE BY FRIEND/RELATIVE	14	100.0	5	35.7	1	7.1	-	-	8	57.1
PREGNANCY	8	100.0	1	12.5	3	37.5	-	-	4	50.0
OTHER REASONS	149	100.0	22	14.8	44	29.5	5	3.4	78	52.3

NOTE: Reports with unknown reasons for suicide attempts are not included in this table. Percentages do not add up to 100 because more than one reason may have been given. The category "suicide by friend/relative" includes suicide attempts.

**TABLE A-1.
POPULATION DISTRIBUTION BY AGE AND SEX, OREGON, 1950, 1960, 1970, 1975-1996**

YEAR AND SEX	TOTAL	AGE GROUPS														
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74
1950	1,521,341	163,915	131,596	108,140	96,738	105,070	117,706	116,800	117,361	105,575	93,228	86,118	77,843	68,230	54,455	37,095
M	772,776	83,614	67,244	55,528	47,652	51,469	57,940	57,930	59,391	54,452	48,574	44,802	40,426	36,027	28,498	19,085
F	748,565	80,301	64,352	52,612	49,086	53,601	59,766	58,870	57,970	51,123	44,654	41,316	37,417	32,203	25,957	18,010
1960	1,768,675	185,403	189,333	170,768	131,315	95,773	96,636	107,999	118,152	116,218	114,074	101,313	87,606	74,007	65,908	52,734
M	879,929	94,330	96,553	87,191	64,463	46,011	47,318	52,924	57,451	57,832	57,574	52,052	43,615	37,003	32,257	25,175
F	888,746	91,073	92,780	83,577	66,852	49,762	49,318	55,075	60,701	58,386	56,500	49,261	43,991	37,004	33,651	27,559
1970	2,091,385	164,060	194,345	211,284	203,362	162,638	138,978	115,599	107,832	117,950	124,395	118,996	110,739	94,408	75,601	60,321
M	1,023,952	83,836	99,274	107,664	100,952	75,549	68,827	57,764	52,738	57,790	60,407	58,563	54,576	45,809	35,886	26,956
F	1,067,433	80,224	95,071	103,620	102,410	87,089	70,151	57,835	55,094	60,160	63,988	60,433	56,163	48,599	39,715	33,365
1975	2,292,734	166,930	176,125	211,149	224,538	222,013	180,346	152,553	122,891	114,611	120,938	125,783	117,631	106,710	86,844	66,077
M	1,120,178	85,331	89,859	107,668	114,204	108,866	84,271	76,482	61,305	55,959	58,944	60,547	56,993	51,149	40,571	29,622
F	1,172,556	81,599	86,266	103,481	110,334	113,146	96,075	76,071	61,586	58,652	61,994	65,236	60,638	55,561	46,273	36,455
1980	2,632,663	197,951	189,293	202,546	225,814	237,788	253,472	227,565	170,694	133,101	119,249	124,344	129,886	117,676	105,165	79,367
M	1,296,355	101,815	96,965	103,594	114,690	117,800	126,867	115,071	86,047	67,073	58,948	60,356	62,001	56,031	49,287	35,404
F	1,336,308	96,136	92,328	98,952	111,124	119,988	126,605	112,494	84,647	66,028	60,301	63,988	67,885	61,645	55,878	43,963
1981	2,660,435	203,594	184,616	203,543	217,750	234,053	252,725	241,926	179,636	140,523	118,937	122,571	128,335	119,708	107,390	83,548
M	1,310,480	104,334	94,477	104,341	111,275	115,874	126,043	122,079	90,690	70,811	59,188	59,493	61,398	56,675	50,396	37,441
F	1,349,955	99,260	90,139	99,202	106,475	118,179	126,682	119,847	88,946	69,712	59,749	63,078	66,937	63,033	56,994	46,107
1982	2,656,185	205,442	184,989	200,663	214,621	225,266	245,516	240,579	191,815	145,302	119,328	118,393	124,286	121,205	108,828	87,242
M	1,308,018	104,536	94,896	102,787	110,004	112,537	121,444	121,229	96,778	73,205	59,541	57,526	59,397	57,238	50,920	39,287
F	1,348,167	100,906	90,093	97,876	104,617	112,729	124,072	119,350	95,037	72,097	59,787	60,867	64,889	63,967	57,908	47,955
1983	2,634,993	200,502	185,101	195,306	208,383	221,102	233,950	236,452	197,788	150,869	119,798	113,707	119,496	121,107	110,442	90,061
M	1,292,711	102,231	95,121	99,869	106,267	110,629	115,627	118,621	99,538	75,798	59,704	55,279	57,032	56,925	51,386	40,321
F	1,342,282	98,271	89,980	95,437	102,116	110,473	118,323	117,831	98,250	75,071	60,094	58,428	62,464	64,182	59,056	49,740
1984	2,660,000	201,561	189,002	189,940	203,518	224,882	227,497	240,883	208,395	159,323	124,516	113,420	118,076	118,774	111,029	93,393
M	1,307,023	102,591	97,255	97,250	103,737	113,484	112,302	120,975	105,194	80,218	62,374	55,513	56,574	55,671	51,445	41,826
F	1,352,977	98,970	91,747	92,690	99,781	111,398	115,195	119,908	103,201	79,105	62,142	57,907	61,502	63,103	59,584	51,567
1985	2,675,800	198,995	195,271	184,845	197,808	215,641	227,827	243,741	222,457	165,140	128,521	112,530	115,551	118,327	113,657	93,372
M	1,313,949	101,338	100,344	94,619	101,111	109,413	112,518	121,577	112,168	83,090	64,509	55,332	55,429	55,393	52,316	41,694
F	1,361,851	97,657	94,927	90,226	96,697	106,228	115,309	122,164	110,289	82,050	64,012	57,198	60,122	62,934	61,341	51,678
1986	2,659,500	192,981	198,234	178,510	201,362	218,875	215,376	230,757	226,179	170,171	132,244	110,782	112,555	115,440	113,886	94,884
M	1,306,352	99,387	101,905	91,311	103,035	111,407	106,184	114,740	113,865	85,721	66,366	54,767	53,979	54,110	52,262	42,354
F	1,353,148	93,594	96,329	87,199	98,327	107,468	109,192	116,017	112,314	84,450	65,878	56,015	58,576	61,330	61,624	52,530

* INCLUDED WITH AGES 75-79.

**TABLE A-1.
POPULATION DISTRIBUTION BY AGE AND SEX, OREGON, 1950, 1960, 1970, 1975-1996 (CONTINUED)**

YEAR AND SEX	TOTAL	AGE GROUPS													
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69
1987	2,690,000	192,835	200,887	177,142	192,540	202,447	221,131	240,492	233,108	185,303	139,735	113,692	111,266	114,319	116,900
M	1,319,182	98,346	102,721	90,813	98,308	103,541	109,192	119,268	117,116	93,245	70,128	56,357	53,421	53,559	53,493
F	1,370,818	94,489	98,166	86,329	94,004	98,906	111,939	121,224	115,992	92,058	69,607	57,335	57,845	60,760	63,407
1988	2,741,000	192,567	203,622	185,233	196,610	199,752	222,959	240,352	238,871	196,152	148,261	117,137	110,863	114,273	118,350
M	1,343,473	98,209	103,999	95,157	100,306	102,116	111,083	118,915	119,769	98,570	74,365	58,090	53,296	53,527	53,905
F	1,397,527	94,358	99,623	90,076	96,304	97,636	111,876	121,437	119,102	97,582	73,896	59,047	57,567	60,746	64,445
1989	2,791,000	194,864	206,097	192,051	199,548	212,810	221,058	224,961	240,001	207,799	159,320	123,433	111,762	114,482	118,882
M	1,368,413	99,771	105,433	98,800	102,148	108,752	110,752	110,804	119,729	104,551	79,911	61,375	54,128	53,711	53,943
F	1,422,587	95,093	100,664	93,251	97,400	104,058	110,306	114,157	120,272	103,248	79,409	62,058	57,744	60,771	64,939
1990	2,847,000	203,678	205,765	199,955	190,781	199,581	221,902	233,898	249,986	223,597	166,333	128,276	112,111	112,679	120,405
M	1,396,242	104,769	106,052	102,738	97,540	101,520	112,129	115,287	124,674	112,602	83,400	63,928	54,393	52,976	54,892
F	1,450,758	98,909	99,713	97,217	93,241	98,061	109,773	118,611	125,312	110,995	82,933	64,348	57,718	59,703	65,513
1991	2,930,000	213,789	216,325	213,018	191,353	197,708	208,392	242,260	256,348	241,789	173,728	136,221	115,980	119,464	122,668
M	1,440,221	109,314	111,143	109,057	98,310	100,273	105,635	120,453	127,437	121,245	87,254	67,836	56,314	56,341	56,351
F	1,489,779	104,475	105,182	103,961	93,043	97,435	102,757	121,807	128,911	120,544	86,474	68,385	59,666	63,123	66,317
1992	2,979,000	217,940	217,090	214,983	195,858	203,918	205,434	239,514	258,908	244,961	194,079	144,574	118,598	116,262	121,730
M	1,466,610	112,089	111,233	110,140	100,794	103,741	104,300	119,323	128,677	122,474	97,351	72,091	57,903	54,932	55,914
F	1,512,390	105,851	105,857	104,843	95,064	100,177	101,134	120,191	130,231	122,487	96,728	72,483	60,695	61,330	65,816
1993	3,038,000	224,939	216,116	218,756	203,348	209,199	204,576	238,809	260,400	251,059	205,319	152,790	120,968	115,116	121,313
M	1,495,551	115,151	110,546	112,259	104,204	106,918	104,012	119,252	129,191	125,233	102,879	76,383	59,035	54,266	55,988
F	1,542,449	109,788	105,570	106,497	99,144	102,281	100,564	119,557	131,209	125,826	102,440	76,407	61,933	60,850	65,325
1994	3,082,000	228,650	218,658	222,394	209,032	214,579	203,053	233,132	257,033	256,634	216,758	160,859	124,151	112,391	120,767
M	1,516,836	117,546	111,748	114,132	106,906	109,861	102,570	116,584	127,635	127,477	108,569	80,459	60,835	53,182	56,075
F	1,565,164	111,104	106,910	108,262	102,126	104,718	100,481	116,548	129,398	129,157	108,189	80,400	63,316	59,209	64,692
1995	3,132,000	231,584	225,513	222,660	213,595	208,322	199,568	232,116	258,273	264,101	232,380	170,663	129,959	113,424	121,428
M	1,543,133	118,939	115,314	114,532	109,361	106,964	101,281	116,723	128,027	130,894	116,149	85,147	64,015	53,857	56,309
F	1,588,867	112,645	110,199	108,128	104,234	101,358	98,287	115,393	130,246	133,207	116,231	85,516	65,944	59,567	65,119
1996	3,181,000	233,523	227,533	223,118	221,021	210,106	204,872	226,069	258,725	266,757	248,215	175,889	137,004	114,195	120,260
M	1,566,932	119,872	116,490	114,560	112,700	108,335	103,960	114,107	128,330	132,074	123,879	87,740	67,582	54,443	55,793
F	1,614,068	113,651	111,043	108,558	108,321	101,771	100,912	111,962	130,395	134,683	124,336	88,149	69,422	59,752	64,467

Source: 1950, 1960, 1970, 1980, and 1990 data are U.S. Census. All other years' data are estimates provided by Center for Population Research and Census, Portland State University.

**TABLE A-2.
POPULATION ESTIMATES FOR OREGON AND ITS COUNTIES BY AGE AND SEX: JULY 1, 1**

COUNTY	BOTH SEXES														
	ALL AGES	0-4	5-9	10-14	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64
TOTAL	3,181,000	233,523	227,533	223,118	134,209	86,812	210,106	204,872	226,069	258,725	266,757	248,215	175,889	137,004	114,195
BAKER	16,500	992	1,086	1,252	775	458	1,073	719	946	1,230	1,259	1,091	895	862	800
BENTON	76,000	4,168	4,589	4,768	2,765	4578	9,903	6,605	5,458	5,644	6,077	5,315	3,592	2,625	2,213
CLACKAMAS	313,200	21,825	21,729	22,439	14,200	8,812	21,198	17,786	19,889	24,833	27,219	27,801	20,849	15,470	11,724
CLATSOP	34,600	2,231	2,429	2,529	1,623	974	2,309	1,955	2,191	2,522	2,904	2,657	1,824	1,556	1,372
COLUMBIA	40,100	2,495	2,940	2,995	2,047	1,314	2,967	2,029	2,284	3,064	3,257	3,349	2,487	2,007	1,541
COOS	61,700	3,489	3,902	4,371	2,756	1,790	4,024	3,035	3,563	4,424	4,676	4,540	3,433	3,174	2,842
CROOK	15,900	1,181	1,162	1,178	702	447	1,116	886	980	1,178	1,141	1,187	800	723	663
CURRY	22,000	1,194	1,354	1,293	777	465	1,118	878	1,207	1,422	1,641	1,509	1,196	1,095	1,076
DESCHUTES	98,000	7,704	7,033	6,991	4,088	2,276	5,981	5,756	6,668	8,324	9,001	8,136	5,394	4,356	3,578
DOUGLAS	98,600	6,010	6,746	7,116	4,511	3,057	6,932	5,032	5,650	6,848	7,443	7,096	5,509	4,674	4,283
GILLIAM	1,900	93	107	173	112	58	113	65	103	165	147	137	85	88	97
GRANT	8,100	503	555	611	422	244	565	324	463	573	671	651	457	418	394
HARNEY	7,500	457	545	556	361	240	542	308	448	581	635	516	445	408	354
HOOD RIVER	19,000	1,642	1,515	1,392	842	499	1,294	1,010	1,272	1,619	1,587	1,352	989	784	686
JACKSON	168,000	11,537	11,373	11,471	6,996	4,282	10,798	10,561	10,684	12,099	13,368	13,170	9,687	7,547	6,634
JEFFERSON	16,900	1,546	1,615	1,410	698	413	1,097	1,022	1,276	1,250	1,114	1,042	733	662	629
JOSEPHINE	72,000	4,798	4,811	4,843	2,983	1,770	4,567	3,506	4,065	4,868	5,213	5,374	4,186	3,523	3,152
KLAMATH	61,600	4,550	4,412	4,474	2,738	1,809	4,389	4,108	3,877	4,313	4,599	4,568	3,300	2,780	2,593
LAKE	7,550	507	587	581	373	254	495	314	395	561	593	561	398	413	341
LANE	305,800	19,128	20,215	20,768	12,743	10,476	24,078	21,239	21,341	23,398	25,431	24,209	16,848	12,839	10,521
LINCOLN	42,200	2,519	2,683	2,878	1,762	1,030	2,325	1,831	2,271	3,031	3,550	3,263	2,288	1,946	1,942
LINN	100,000	6,902	7,201	7,310	4,448	2,727	6,790	6,179	6,815	7,556	7,693	7,216	5,648	4,591	3,803
MALHEUR	28,700	2,721	2,313	2,345	1,454	884	2,258	1,638	1,650	1,829	1,830	1,731	1,413	1,218	1,146
MARION	262,800	22,508	19,719	18,917	11,229	6,694	16,866	18,291	19,698	21,352	20,582	18,856	13,518	10,642	9,068
MORROW	9,000	789	707	786	440	271	674	443	531	688	725	617	436	399	372
MULTNOMAH	636,000	49,047	47,066	41,158	23,579	14,095	34,786	46,436	53,522	59,620	58,927	51,676	33,784	25,051	20,635
POLK	56,300	3,590	3,743	4,047	2,580	1,540	3,877	4,794	3,397	3,782	4,241	4,122	2,898	2,287	2,064
SHERMAN	1,900	77	125	136	79	69	142	35	93	161	149	157	93	88	97
TILLAMOOK	23,800	1,436	1,555	1,634	1,023	646	1,392	1,029	1,328	1,700	1,817	1,713	1,260	1,123	1,123
UMATILLA	65,500	5,505	5,044	5,065	3,009	1,847	4,572	4,300	4,635	4,993	4,888	4,450	3,280	2,778	2,363
UNION	24,500	1,478	1,679	1,776	1,216	792	1,905	1,901	1,358	1,665	1,959	1,868	1,313	1,109	938
WALLOWA	7,250	370	472	573	376	214	483	259	396	511	652	507	400	372	336
WASCO	22,500	1,436	1,547	1,653	1,078	678	1,596	994	1,219	1,590	1,741	1,687	1,259	1,053	892
WASHINGTON	376,500	33,239	29,100	27,444	15,607	8,926	22,438	23,746	31,071	35,058	33,705	30,437	21,069	15,150	11,259
WHEELER	1,600	90	102	95	60	46	97	62	76	91	108	108	113	97	98
YAMHILL	77,500	5,766	5,772	6,090	3,757	2,137	5,346	5,796	5,249	6,182	6,214	5,546	4,010	3,096	2,566

Source: Center for Population Research and Census, Portland State University.

**TABLE A-2.
POPULATION ESTIMATES FOR OREGON AND ITS COUNTIES BY AGE AND SEX: JULY 1, 1996 (C**

COUNTY	MALE														
	ALL AGES	0-4	5-9	10-14	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64
TOTAL	1,566,932	119,872	116,490	114,560	68,537	44,163	108,335	103,960	114,107	128,330	132,074	123,879	87,740	67,582	54,443
BAKER	8,201	509	552	636	409	257	571	376	492	606	656	518	466	440	373
BENTON	38,690	2,139	2,373	2,503	1,416	2,318	5,496	3,656	2,992	2,828	2,925	2,717	1,766	1,264	1,063
CLACKAMAS	154,138	1,1203	11,055	11,530	7,255	4,523	10,958	9,134	9,829	11,978	13,254	13,544	10,477	7,764	5,717
CLATSOP	17,137	1,145	1,253	1,345	884	496	1,175	988	1,167	1,266	1,410	1,366	907	792	641
COLUMBIA	19,980	1,280	1,499	1,547	1,047	679	1,549	1,014	1,109	1,504	1,631	1,664	1,296	1,044	779
COOS	30,332	1,790	2,065	2,241	1,415	913	2,066	1,535	1,767	2,188	2,265	2,245	1,700	1,563	1,375
CROOK	7,950	606	593	624	363	242	613	444	488	587	554	613	404	373	307
CURRY	10,766	613	689	658	392	223	563	429	616	691	848	731	566	550	481
DESCHUTES	48,783	3,959	3,640	3,615	2,091	1,182	3,208	3,020	3,258	3,978	4,395	4,182	2,632	2,142	1,733
DOUGLAS	48,574	3,084	3,482	3,620	2,306	1,570	3,632	2,536	2,750	3,317	3,672	3,540	2,736	2,332	2,038
GILLIAM	937	48	52	92	58	29	68	29	55	71	78	72	36	38	51
GRANT	4,048	258	276	312	222	124	280	172	238	274	340	336	247	190	205
HARNEY	3,753	235	285	289	187	114	264	161	227	282	327	266	221	205	183
HOOD RIVER	9,667	843	768	689	412	245	708	556	699	842	856	725	510	396	331
JACKSON	82,079	5,924	5,723	5,918	3,527	2,196	5,512	5,290	5,261	5,866	6,359	6,554	4,800	3,711	3,215
JEFFERSON	8,476	793	813	705	359	207	586	522	663	637	561	544	376	314	282
JOSEPHINE	34,984	2,464	2,487	2,527	1,535	923	2,416	1,729	1,974	2,346	2,453	2,650	2,018	1,663	1,498
KLAMATH	30,893	2,335	2,234	2,293	1,448	942	2,335	2,281	1,944	2,126	2,233	2,327	1,684	1,407	1,230
LAKE	3,766	260	287	295	208	125	253	152	190	287	284	307	204	202	162
LANE	148,815	9,816	10,289	10,584	6,504	5,027	12,041	10,619	10,705	11,422	12,247	11,986	8,323	6,351	4,983
LINCOLN	20,265	1,293	1,364	1,480	874	516	1,169	918	1,089	1,457	1,761	1,582	1,105	922	863
LINN	49,219	3,542	3,676	3,755	2,305	1,410	3,463	3,157	3,387	3,729	3,843	3,574	2,816	2,240	1,839
MALHEUR	14,099	1,396	1,149	1,206	720	473	1,163	866	836	930	857	845	684	598	537
MARION	131,179	11,555	10,134	9,727	5,709	3,428	8,841	9,616	10,588	11,157	10,506	9,597	6,739	5,166	4,266
MORROW	4,553	405	347	410	222	147	365	233	271	359	361	325	219	202	174
MULTNOMAH	311,128	25,173	24,202	21,051	11,972	7,134	17,490	22,888	26,965	29,907	29,906	26,071	16,980	12,253	9,712
POLK	27,284	1,843	1,913	2,131	1,318	794	1,969	2,277	1,712	1,796	2,037	2,045	1,412	1,131	951
SHERMAN	965	39	62	71	39	47	77	16	51	80	75	86	47	43	41
TILLAMOOK	11,691	737	808	861	526	325	721	532	682	856	897	877	640	509	496
UMATILLA	33,149	2,826	2,605	2,621	1,499	1,000	2,387	2,418	2,572	2,623	2,473	2,278	1,629	1,389	1,112
UNION	12,066	759	881	921	627	421	955	951	667	781	980	935	656	544	458
WALLOWA	3,583	190	231	272	195	115	243	135	200	244	347	269	194	202	158
WASCO	10,908	736	764	846	546	361	836	496	579	759	862	820	621	562	404
WASHINGTON	185,157	17,067	14,960	14,002	8,005	4,550	11,552	11,769	15,323	17,340	16,603	14,792	10,462	7,440	5,487
WHEELER	782	46	44	52	32	19	54	30	38	34	56	51	57	48	46
YAMHILL	38,935	2,961	2,935	3,131	1,910	1,088	2,756	3,015	2,723	3,182	3,162	2,845	2,110	1,592	1,252

Source: Center for Population Research and Census, Portland State University.

**TABLE A-2.
POPULATION ESTIMATES FOR OREGON AND ITS COUNTIES BY AGE AND SEX: JULY 1, 1996 (C**

COUNTY	FEMALE														
	ALL AGES	0-4	5-9	10-14	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64
TOTAL	1,614,068	113,651	111,043	108,558	65,672	42,649	101,771	100,912	111,962	130,395	134,683	124,336	88,149	69,422	59,752
BAKER	8,299	483	534	616	366	201	502	343	454	624	603	573	429	422	427
BENTON	37,310	2029	2,216	2,265	1,349	2,260	4,407	2,949	2,466	2,816	3,152	2,598	1,826	1,361	1,150
CLACKAMAS	159,062	10,622	10,674	10,909	6,945	4,289	10,240	8,652	10,060	12,855	13,965	14,257	10,372	7,706	6,007
CLATSOP	17,463	1,086	1,176	1,184	739	478	1,134	967	1,024	1,256	1,494	1,291	917	764	731
COLUMBIA	20,120	1,215	1,441	1,448	1,000	635	1,418	1,015	1,175	1,560	1,626	1,685	1,191	963	762
COOS	31,368	1,699	1,837	2,130	1,341	877	1,958	1,500	1,796	2,236	2,411	2,295	1,733	1,611	1,467
CROOK	7,950	575	569	554	339	205	503	442	492	591	587	574	396	350	356
CURRY	11,234	581	665	635	385	242	555	449	591	731	793	778	630	545	595
DESCHUTES	49,217	3,745	3393	3,376	1,997	1,094	2,773	2,736	3,410	4,346	4,606	3,954	2,762	2,214	1,845
DOUGLAS	50,026	2,926	3,264	3,496	2,205	1,487	3,300	2,496	2,900	3,531	3,771	3,556	2,773	2,342	2,245
GILLIAM	963	45	55	81	54	29	45	36	48	94	69	65	49	50	46
GRANT	4,052	245	279	299	200	120	285	152	225	299	331	315	210	228	189
HARNEY	3,747	222	260	267	174	126	278	147	221	299	308	250	224	203	171
HOOD RIVER	9,333	799	747	703	430	254	586	454	573	777	731	627	479	388	355
JACKSON	85,921	5,613	5,650	5,553	3,469	2,086	5,286	5,271	5,423	6,233	7,009	6,616	4,887	3,836	3,419
JEFFERSON	8,424	753	802	705	339	206	511	500	613	613	553	498	357	348	347
JOSEPHINE	37,016	2,334	2,324	2,316	1,448	847	2,151	1,777	2091	2,522	2,760	2,724	2,168	1,860	1,654
KLAMATH	30,707	2,215	2,178	2,181	1,290	867	2,054	1,827	1,933	2,187	2,366	2,241	1,616	1,373	1,363
LAKE	3,784	247	300	286	165	129	242	162	205	274	309	254	194	211	179
LANE	156,985	9,312	9,926	10,184	6,239	5,449	12,037	10,620	10,636	11,976	13,184	12,223	8,525	6,488	5,538
LINCOLN	21,935	1,226	1,319	1,398	888	514	1,156	913	1,182	1,574	1,789	1,681	1,183	1,024	1,079
LINN	50,781	3,360	3,525	3,555	2,143	1,317	3,327	3,022	3,428	3,827	3,850	3,642	2,832	2,351	1,964
MALHEUR	14,601	1,325	1,164	1,139	734	411	1,095	772	814	899	973	886	729	620	609
MARION	131,621	10,953	9,585	9,190	5,520	3,266	8,025	8,675	9,110	10,195	10,076	9,259	6,779	5,476	4,802
MORROW	4,447	384	360	376	218	124	309	210	260	329	364	292	217	197	198
MULTNOMAH	324,872	23,874	22,864	20,107	11,607	6,961	17,296	23,548	26,557	29,713	29,021	25,605	16,804	12,798	10,923
POLK	29,016	1,747	1,830	1,916	1,262	746	1,908	2,517	1,685	1,986	2,204	2,077	1,486	1,156	1,113
SHERMAN	935	38	63	65	40	22	65	19	42	81	74	71	46	45	56
TILLAMOOK	12,109	699	747	773	497	321	671	497	646	844	920	836	620	614	627
UMATILLA	32,351	2,679	2439	2,444	1,510	847	2,185	1,882	2,063	2,370	2,415	2,172	1,651	1,389	1,251
UNION	12,434	719	798	855	589	371	950	950	691	884	979	933	657	565	480
WALLOWA	3,667	180	241	301	181	99	240	124	196	267	305	238	206	170	178
WASCO	11,592	700	783	807	532	317	760	498	640	831	879	867	638	491	488
WASHINGTON	191,343	16,172	14,140	13,442	7,602	4,376	10,886	11,977	15,748	17,718	17,102	15,645	10,607	7,710	5,772
WHEELER	818	44	58	43	28	27	43	32	38	57	52	57	56	49	52
YAMHILL	38,565	2,805	2,837	2,959	1,847	1,049	2,590	2,781	2,526	3,000	3,052	2,701	1,900	1,504	1,314

Source: Center for Population Research and Census, Portland State University.

**TABLE A-3.
POPULATION PROJECTION FOR OREGON 1995-2025**

Numbers in Thousands							
Year	Sex	Total	Age 0-4	Age 5-17	Age 18-24	Age 25-64	Age 65+
1995	Total	3,141	210	587	281	1,637	426
	Female	1,591	102	286	137	821	245
	Male	1,550	108	301	144	816	671
2000	Total	3,397	211	599	318	1,798	471
	Female	1,723	103	292	156	903	269
	Male	1,674	108	307	162	895	202
2005	Total	3,613	219	602	331	1,939	522
	Female	1,833	107	293	163	975	295
	Male	1,780	112	309	168	964	227
2015	Total	3,992	238	613	334	2,066	741
	Female	2,024	116	298	166	1,042	402
	Male	1,968	122	315	218	1,024	339
2025	Total	4,349	246	661	334	2,054	1,054
	Female	2,202	120	322	165	1,039	556
	Male	2,147	126	339	169	1,015	498

Source: "Population Projections for States by Age, Sex, Race, Hispanic Origin: 1995 to 2025", Listing #47.
As of Jan. 23, 1997, <http://www.census.gov/population/www/projections/stproj.html>

Appendix B: Technical Notes – Definitions

BIRTHS

Apgar Score is a numerical expression of the condition of a newborn shortly after birth. It is the sum of points accumulated upon assessment of the heart rate, respiratory effort, muscle tone, reflex irritability, and color. The highest possible score is ten. A low Apgar score (seven or less) measured five minutes after birth indicates the infant is at increased risk of morbidity and mortality.

Births to Unmarried Mothers Ratio is the number of births to unmarried mothers per 1,000 live births. Ratios differ from rates.

Crude Birth Rate is the number of live births per 1,000 total population.

Live Birth is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which, after such a separation, 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; each product of such a birth is considered live born.¹

Low Birthweight Infant is a live born infant with a birthweight less than 5 pounds, 8 ounces (2,500 grams) as reported on the birth certificate.

DEATHS

Crude Death Rate is the number of deaths per 1,000 or 100,000 total population.

Fetal Death is death prior to the complete expulsion or extraction from its mother of a product of conception of at least 20 weeks gestation, except where such expulsion results from a therapeutic abortion; the death is indicated by the fact that after such separation, 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.

Fetal Death Ratio is the number of fetal deaths per 1,000 live births. Ratios differ from rates.

Infant Death is the death of a child prior to its first birthday.

Infant Death Rate is the number of infant deaths per 1,000 live births.

Maternal Death Rate is the number of female deaths attributed to childbirth or to complications of pregnancy or the puerperium, per 100,000 live births.

Neonatal Death is the death of a child within the first 27 days of life.

Neonatal Death Rate is the number of neonatal deaths per 1,000 live births.

Postneonatal Death is the death of a child after 27 days of life and before its first birthday.

Postneonatal Death Rate is the number of postneonatal deaths per 1,000 live births.

Perinatal Death is the death of a fetus after 20 weeks gestation or the death of a live-born infant prior to the 28th day of life. Other medical literature may include different time periods.

Perinatal Death Ratio is the number of perinatal deaths per 1,000 total live births. Ratios differ from rates.

MEDICAL PERSONNEL — ABBREVIATIONS USED IN TABLES

C.N.M. — certified nurse midwife.

D.C. — doctor of chiropractic medicine.

D.O. — doctor of osteopathic medicine.

L.D.E.M. — licensed direct entry midwife.

M.D. — medical doctor.

N.D. — naturopathic doctor.

R.N. — registered nurse.

1 *Vital Statistics of the United States*, 1982, vol. 1, section 4, page 1.
U.S. Department of Health and Human Services, Public Health
Service, National Center for Health Statistics, Maryland, 1986.

Technical Notes – Methodology

MORTALITY

Beginning in 1993, the underlying cause of death was determined by using Super MICAR, software distributed by the National Center for Health Statistics. In the past, the underlying cause of death was determined by a nosologist using information provided on death certificates by physicians. Super MICAR applies a set of algorithms to all the causes listed on a death certificate to arrive at the underlying cause of death. Because the error rate for Super MICAR is unacceptably high for deaths due to external causes (e.g. unintentional injuries and suicide), these death certificates are still manually coded by a nosologist. Additional edits have been added to the processing system to reduce the error rate for deaths due to natural causes. The end result is that the underlying cause of death coding is largely comparable to previous years.

This software is being used because the number of deaths among Oregonians increased by over 24 percent between 1986 and 1996 but was not accompanied by an increase in staff. Consequently, data availability became increasingly untimely during recent years. Instituting the Super MICAR system should ultimately result in more timely data.

An advantage of the Super Micar system is that all causes recorded on the death certificate are now inputted into the data file. We will be able to report, for example, not only the number of Oregonians who died from Alzheimer's Disease but the number of Oregonians who had the disease at the time of their death (provided it was mentioned on the certificate).

Except for Table 6-42 and Table 6-43, the death rates in this report are not age-adjusted. (However, age- and sex-specific death rates are presented in addition to crude death rates.) Age-adjusted death rates permit the comparison of populations with disparate age structures as if the populations had similar distributions.

The number of Oregonians whose deaths were linked to tobacco use are presented in the mortality section. However, the number is artificially low. This is because the role of tobacco, if any, is not routinely noted on the death certificates of Oregonians who died out-of-state. (The footnotes in the tables describe the question on the Oregon death certificate regarding tobacco use.) The potential for undercount is greatest for Oregon residents who live in counties bordering other states. A more detailed discussion can be found in *Tobacco and Oregon: A Legacy of Illness and Death*, published in 1992.

ADOLESCENT SUICIDE

Data in the adolescent suicide attempt section were compiled from teen suicide attempt reports and death certificates filed with the Oregon Health Division's Center for Health Statistics. Attempt rates are age-specific and are expressed per 100,000 of the population at risk per year. The Center for Population Research and Census was the source of the population data. References to teenagers include persons 10-19 year-olds. References to adolescents and minors include only Oregonians 17 or younger. Methods of attempt are classified according to the International Classification of Diseases (ICD). The name of the attempter is not recorded on attempts reported to the Health Division.

Several problems are apparent with the data. The first is that the total number of attempts reported is low. Because Oregon is the only state to require that adolescent suicide attempts be reported, when Oregon adolescents attempt suicide in another state, the event is not reported. More significantly, although required by law, the data suggest that not all hospitals are fully cooperating with the program. It is uncertain whether reporting hospitals are using the same criteria in determining whether the patient attempted suicide. Finally, a few data items are poorly reported.

Technical Notes — Step-by-Step Instructions

Data users are diverse, including public health officials evaluating a program by using death data, demographers projecting school enrollments with birth data, and business people deciding to open a formal-wear shop based on marriage data. Many of these users have a thorough knowledge of statistics. But others find the entire subject-matter confusing and intimidating. For either group, a misunderstanding of what vital statistics mean can lead to wrong conclusions. Therefore, this section is included to provide an overview of how to use vital statistics. It is addressed to the person looking at vital events for the first time, but the experienced user may also find a review helpful.

STEP 1: FINDING THE CORRECT NUMBER

DEATHS
INFANT DEATHS
NEONATAL DEATHS
POSTNEONATAL DEATHS
FETAL DEATHS
LOW BIRTH WEIGHT
INFANTS
PREGNANCIES
INDUCED ABORTIONS
MARRIAGES
ANNULMENTS
DIVORCES

The first step is to determine how many of a particular vital event took place during the year. This involves asking two questions:

Which event or events are appropriate?

This may not be as simple as it sounds. For one thing, examining more than one type of event may be required. For example, someone concerned with teenage pregnancies will have to consider the number of induced abortions

as well as the number of births which occur among teens. Taken together, they provide a useful measure of the number of pregnancies.¹

Deciding which events to use is important since sometimes the choice of one event over another can easily lead to different conclusions. To determine which events are appropriate, read the “Technical Notes: Definitions” section. The narratives also contain useful examples.

Who should be counted?

If you are a hospital planner who is deciding to expand or contract delivery services, you want to count the number of births which *occurred* in your area, regardless of where the parents live. If you are projecting school enrollment, you want to count only how many children will potentially be *residing* in your area. Fortunately, vital events are usually reported so that both of these data needs can be met.

Occurrence data: The event (the death, birth, marriage, etc.) actually took place in the geographic region indicated (either Oregon or a particular county). The person participating in the event may have lived in Podunk, New York.

Residence data: The person involved in the event lived in the geographic region mentioned, but the event itself may have taken place anywhere in the United States or Canada. In other words, a resident of Marion County who died in an accident while on vacation in Michigan has been added to the Marion County resident death figure.

When in doubt about which type of data to use, resident figures are usually the best choice. Most birth and death data are published by residence, which means that comparisons with other states or the United States as a whole will be easier. Exceptions to this rule are listed in the individual sections.

Once the right event has been determined, and the choice between occurrence and residence data has been made, the statistician can find the correct figures in the table(s) in this book. If the needed table is not listed, contact the Center for Health Statistics for more information.

STEP 2: MAKING THE NUMBER MEANINGFUL WITH RATES AND RATIOS

In many instances simply knowing the number of events is not sufficient. For example, we know more people died in Multnomah County than in Wheeler County, because Multnomah County has a much larger population. But what is the *likelihood* of dying in each county?

In order to answer this question, statisticians calculate rates. This means that the number of events which occurred is compared to the population for which that event *could* have occurred, and the figure is then standardized to some number (such as 1,000 or 100,000) for convenience.

Here is an example:

$$\text{CRUDE DEATH RATE} = (\text{DEATHS}/\text{POPULATION}) \times 1,000$$

*the number of people
who could have died*

*a number chosen by vital
statisticians to improve
the ease of comparisons*

The more specifically a statistician can define the “population at risk” (the denominator or bottom part of the formula), the more meaningful the rate is. For example, the *crude birth rate*, which compares the number of births to the population, is not nearly as

informative as the *fertility rate*, which uses only the number of women of childbearing age (15-44) for comparative purposes. The fertility rate is not distorted by changes in the number of men or pre-pubescent or post-menopausal women in the population. (The turn of the century notion that only *married* women between the age of 15 and 44 would be considered at risk of pregnancy has been abandoned for obvious reasons.)

Unfortunately we do not always have the correct denominator for the equation. In these situations a substitute is used. For example, how many people are at risk of getting divorced? The number of married people is only available for census years. As a substitute, the crude divorce rate is calculated using the total population regardless of marital status. In other situations, the event is simply compared to another related number. For instance, the abortion ratio compares the number of abortions to the number of births. This is easier and more accurate than trying to determine the true denominator, which is the total number of pregnant women.

When calculating rates and ratios, great care must be taken to make certain that the appropriate time periods, geographical boundaries, and populations are used.

STEP 3: COMPARING TWO OR MORE NUMBERS

Numbers are more meaningful when they are converted into rates and ratios. But problems can arise when rates or ratios are compared for different geographical areas, different time periods, or different categories such as men versus women.

Chance variation

Statisticians expect a certain amount of chance variation and have methods to take this into account. The *confidence interval* uses the number of cases and their distributions to determine what the rate “really is.” For example, a statistician will say, “We are 95% sure that the *true* infant death rate for Oregon in 1986 was 9.47 ± 0.97 ; that is, it lies somewhere between 8.50 and 10.44.” If two rates have overlapping confidence intervals, then the difference between them may be due to this chance variation. In other words the difference is not *statistically significant*.

When comparing rates and ratios, differences should be tested for statistical significance. Formulas are listed in the next section of this chapter.

Small numbers

Chance variation is a common problem when the numbers being used to calculate rates are extremely small. Large swings often occur in the rates which do not reflect real changes. Consider Tillamook County's infant mortality rates for a five-year period.

The overall rate of 10.1 is quite close to the state rate for the same time period (10.2). Yet, for some years the rate is four times

TILLAMOOK COUNTY			
YEAR	BIRTHS	INFANT DEATHS	INFANT DEATH RATES
1981	324	5	15.4
1982	318	2	6.3
1983	306	4	13.1
1984	264	1	3.8
1985	266	3	11.3
1981-1985	1,478	15	10.1

as high as the rate of other years simply because four additional infants died. Public health officials would waste a good deal of energy reacting to these annual rates.

Many rates based on small numbers are published in this book because readers demand them. But, anyone preparing to make important decisions based on these rates should be wary. Consider this rule of thumb: a rate based on 20 cases has a 95% confidence interval about as wide as the rate itself (i.e., the interval for a rate of 50 is between 25 and 75). Even large differences between two rates based on 20 cases or less are probably not statistically significant.

If 20 is too few, how many cases are sufficient to say that a true difference exists? Unfortunately, we have no easy rules for this. To be safe, the vital statistician should always try to combine several years of data or consolidate geographical areas. Confidence intervals should be calculated, and differences should be tested for statistical significance.

Changes in measurement

Another problem is that the numbers being compared have not always been based on the same type of measurement. Definitions, population estimates, certificates, and coding procedures change from time to time as the need arises. This can create "artificial" differences and can disguise "real" differences. The cause-of-death item provides an excellent example in comparability:

During the late 1970s, approximately 80 to 85 people died each year due to hypertensive disease.	Rate = 3.3 per 100,000 population
In 1979, 250 people died from this cause.	Rate = 9.8 per 100,000 population

It appears that the incidence of hypertensive disease increased. But actually, a new coding scheme resulted in more deaths being coded as due to hypertensive disease.

Taking age, sex, and race into account

Mr. G.C. Whipple noted in 1923 that, “We might find that the death rate of bank presidents was higher than that of newsboys; but this would not be because of different occupations, but because of different ages.” We expect older people to die at a higher rate than younger people. We also expect people in their twenties to have more babies than the very young or the very old. Sex and race, as well as age, can affect rates drastically.

When comparing two places or two points in time, it is necessary to take these influencing characteristics into account. Here is an example:

The crude death rate increased between 1950 and 1960 from 9.1 to 9.5 deaths per 1,000 population. But, an examination of the death rates for each age group indicates that all these rates decreased. This apparent contradiction is explained by the fact that in 1960 a larger proportion of the population was older. Because the risk of death is higher in older persons, the crude death rate increased.

	1950	1960
Crude Death Rate	9.1	9.5
Age-Specific Death Rates		
0-4	5.9	5.7
5-14	0.6	0.4
15-24	1.5	1.1
25-44	2.4	2.1
45-64	11.1	10.6
65+	58.4	56.8

Before comparing two places or two time periods, always compare the population characteristics first. If discrepancies are noted in any relevant variables, then the rates should be adjusted or standardized in order to make the comparisons free of differences in the structure of the populations. The formulas for doing this are listed in the following section.

STEP 4: ANALYZING THE DATA

The first three steps have been fairly mechanical:

- (1) = Choose the correct events and the correct group to determine the number of events which took place for the geographical areas and time periods.
- (2) = Calculate the rates.
- (3) = Compare these rates to determine if the differences are statistically significant.

NOW the vital statistician must begin to ask the difficult questions. If we find that two rates are statistically significantly different,

how can we find out *why* they are different? If the differences which we expected did not prove to be significant, is there another item which perhaps is masking an actual difference? Frequently, the statistician has to refine the research question and begin all over again.

Consider the researcher who asks, "Since 1985, has chronic obstructive pulmonary disease posed a greater risk to Oregonians?" If the researcher looked at the overall rate, the answer would be "yes," but closer examination reveals that the death rate for males has declined. It is among women that the rate has moved sharply upward, reflecting their increased smoking prevalence during recent decades. This gender dichotomy would need to be addressed in a study of COPD fatalities.

Help

Several sources of help are available. Many of the widely used rates and ratios are presented in the Quick Reference section, and narratives and figures are included throughout the book to illustrate changes. And finally, the staff of the Center for Health Statistics are available for data users who need assistance.

ENDNOTES

- 1 A more complete and accurate estimate of pregnancies based on outcomes would include: (1) births; (2) fetal deaths (stillbirths); (3) induced abortions; and (4) spontaneous abortions (miscarriages). However, fetal deaths occur in less than one percent of all pregnancies and are relatively constant in relation to births (see the *Fetal and Infant Mortality* chapter in Volume 2) and the number of miscarriages which occur is not available in vital records (perhaps 10 percent of all pregnancies). Thus, a measure which excludes these outcomes provides an adequate indicator of the number of pregnancies.

Technical Notes — Formulas

GENERAL:

$$\text{PERCENT CHANGE} = \frac{\text{New Data} - \text{Old Data}}{\text{Old Data}} \times 100$$

$$\text{Birth rate, Oregon, 1993} = 13.7$$

$$\text{Birth rate, Oregon, 1994} = 13.6$$

$$\text{Percent change} = \frac{13.6 - 13.7}{13.7} \times 100 = -0.7\%$$

$$1. \text{ (CRUDE) BIRTH RATE} = \frac{\text{Resident Births}}{\text{Population}} \times 1,000$$

$$\text{Oregon, 1994,} = \frac{41,832}{3,082,800} \times 1,000 = 13.6$$

$$2. \text{ AGE-SPECIFIC BIRTH RATE} = \frac{\text{Resident Births To Mothers in Age Category}}{\text{Female Population in Age Category}} \times 1,000$$

$$\text{Oregon, 1994, Age 20-24} = \frac{10,999}{104,718} \times 1,000 = 105.0$$

$$3. \text{ FERTILITY RATE} = \frac{\text{Resident Births to Mothers Aged 15-44}}{\text{Female Population Aged 15-44}} \times 1,000$$

NOTE: Some publications use the following: $\frac{\text{All Resident Births}}{\text{Female Population Aged 15-44}}$

$$\text{Oregon, 1994} = \frac{41,659}{682,428} \times 1,000 = 61.0$$

$$4. \text{ TOTAL FERTILITY RATE} = \text{The Sum of Age-Specific Birth Rates in 5-Year Categories between 15 and 44} \times 5$$

$$\text{Oregon, 1994} = 5 (51.3 + 105.0 + 115.4 + 78.5 + 30.2 + 6.0) = 1,932.0$$

$$5. \text{ FETAL DEATH RATIO} = \frac{\text{Resident Fetal Deaths (20+ Weeks Gestation)}}{\text{Resident Live Births}} \times 1,000$$

$$\text{Oregon, 1994, Residents} = \frac{224}{41,832} \times 1,000 = 5.4$$

$$\text{FETAL DEATH RATE} = \frac{\text{Resident Fetal Deaths (20+ Weeks Gestation)}}{\text{Resident Live Births} + \text{Resident Fetal Deaths}} \times 1,000$$

$$\text{Oregon, 1994, Residents} = \frac{224}{43,591 + 224} \times 1,000 = 5.1$$

$$\text{PERINATAL DEATH RATE} = \frac{\text{Resident Neonatal Deaths} + \text{Resident Fetal Deaths (20+ Weeks Gestation)}}{\text{Resident Live Births} + \text{Resident Fetal Deaths}} \times 1,000$$

$$\text{Oregon, 1994, Residents} = \frac{148 + 203}{41,566 + 203} \times 1,000 = 8.4$$

Note: Publications vary in the gestation cutoff for fetal deaths. In addition, some measures employ birthweight in place of gestational age. Fetal and perinatal death rates are based on 1993 year of birth.

$$6. \text{ ABORTION RATIO} = \frac{\text{Resident Abortions}}{\text{Resident Births}} \times 1,000 \text{ or } \frac{\text{Occurrence Abortions}}{\text{Occurrence Births}} \times 1,000$$

$$\text{Oregon, 1994, Occurrence} = \frac{13,391}{43,591} \times 1,000 = 307.2$$

$$7. \text{ ABORTION RATE} = \frac{\text{Resident Abortions or Occurrence Abortions}}{\text{Female Resident Population Aged 15-44}} \times 1,000$$

$$\begin{aligned} \text{Oregon 1994, Occurrence} \\ \text{with total adjusted} \\ \text{for not stated ages} \end{aligned} = \frac{13,300}{682,428} \times 1,000 = 19.5$$

DEATHS:

$$8. \text{ (CRUDE) DEATH RATE} = \frac{\text{Resident Deaths}}{\text{Population}} \times 1,000$$

$$\text{Oregon, 1994} = \frac{27,361}{3,082,000} \times 1,000 = 8.9$$

$$9. \text{ INFANT DEATH RATE} = \frac{\text{Resident Infant Deaths}}{\text{Resident Births}} \times 1,000$$

$$\text{Oregon, 1994} = \frac{295}{41,832} \times 1,000 = 7.1$$

$$10. \text{ NEONATAL DEATH RATE} = \frac{\text{Resident Neonatal Deaths}}{\text{Resident Births}} \times 1,000$$

$$\text{Oregon, 1994} = \frac{164}{41,832} \times 1,000 = 3.9$$

$$11. \text{ POSTNEONATAL DEATH RATE} = \frac{\text{Resident Postneonatal Deaths}}{\text{Resident Births}} \times 1,000$$

$$\text{Oregon, 1994} = \frac{131}{41,832} \times 1,000 = 3.1$$

$$12. \text{ CAUSE- SPECIFIC DEATH RATE} = \frac{\text{Resident Deaths Due to Specific Cause}}{\text{Population}} \times 100,000$$

$$\text{Oregon, 1994, Heart Disease} = \frac{7,417}{3,082,000} \times 100,000 = 240.7$$

$$13. \text{ AGE AND SEX- SPECIFIC DEATH RATE} = \frac{\text{Resident Deaths in Age- Sex Category}}{\text{Population in Age- Sex Population}} \times 1,000$$

$$\text{Oregon, 1994, Males Aged 5- 14} = \frac{63}{225,880} \times 1,000 = 27.9$$

MARRIAGE AND DIVORCE:

$$14. \text{ MARRIAGE RATE} = \frac{\text{Marriages}}{\text{Population}} \times 1,000$$

$$\text{Oregon, 1994} = \frac{25,194}{3,082,000} \times 1,000 = 8.2$$

$$15. \text{ DIVORCE RATE} = \frac{\text{Divorces}}{\text{Population}} \times 1,000$$

$$\text{Oregon, 1994} = \frac{15,844}{3,082,000} \times 1,000 = 5.1$$

CALCULATING CONFIDENCE INTERVALS FOR RATES:

To determine the confidence interval for a rate, two numbers are needed: (1) the numerator (the number of events), and (2) the denominator. If the rate is an infant, neonatal, or post-neonatal mortality rate or a rate for a characteristic of births, the denominator is the number of births. Otherwise, the denominator is a population figure. Use this formula:

$$\frac{1,000}{\text{Denominator}} [\text{events} \pm 1.96\sqrt{\text{events}^*}] = \text{rate} \pm \text{confidence interval}$$

*Note: If comparing rates in which there are more than 100 events (for example, deaths for ages over 65),

$$\text{then } 1.96\sqrt{\text{events}} \text{ should be replaced with: } 1.96 \sqrt{\text{events} \left[1 - \left(\frac{\text{event}}{\text{denominator}} \right) \right]}$$

Example: What is the confidence interval for Benton County's low birthweight infant rate for 1994? In 1994, Benton County had 30 out of 760 babies that were born weighing less than 2,500 grams.

$$\begin{aligned} \text{Benton Confidence Interval} &= \frac{1,000}{760} (30 \pm 1.96 \sqrt{30}) \\ &= 1.316 (30 \pm 10.74) \\ &= 39.48 \pm 14.13 \end{aligned}$$

We are 95 percent sure that the 1994 low birth weight rate for Benton County is between 25.35 and 53.61.

DETERMINING STATISTICAL SIGNIFICANCE FOR RATES:

To determine if the difference between two rates is significant, use the confidence intervals for the rates in this formula:

$$\text{Difference between the two rates} \pm \sqrt{1\text{st confidence interval}^2 + 2\text{nd confidence interval}^2}$$

If the interval obtained from this calculation does *not* include 0, then the difference is statistically significant at the 95 percent level.

Example: Is the difference between Benton County's low birthweight rate and the state rate statistically significant?

Based on the formula for confidence intervals:

Oregon low birthweight rate is 53.21 ± 2.16

Benton low birthweight rate is 39.48 ± 14.13

Using the formula for determining statistical significance:

$$(53.21 - 39.48) \pm \sqrt{2.16^2 + 14.13^2}$$

$$13.73 \pm \sqrt{4.67 + 199.66}$$

$$13.73 \pm \sqrt{204.33}$$

$$13.73 \pm 14.29$$

The interval is between -0.56 and 28.02. Since zero does fall between these two numbers, the difference between the low birthweight rates for Benton County and Oregon is not statistically significant.

CALCULATING RATES ADJUSTED FOR SEX/AGE/RACE:

When comparing rates and ratios, the influences of sex, age, and race differences in the populations must be taken into account. Comparing many different age-sex-race specific rates can be cumbersome. The following techniques are used by vital statisticians to summarize these rates into one number.

The *direct adjusted rate* applies each of the specific rates for a particular population (such as a county or an HSA) to a standard population distribution (such as the state).

The *standard mortality ratio* compares the number of deaths for a particular population (such as a county or an HSA) to the number of deaths which would be expected if some standard set of rates (such as the state or the U.S. rates) had occurred.

Each of these techniques has its advantages and disadvantages. The easiest to calculate is the direct adjusted rate. The following example shows how to adjust a county's death rate for sex so that it may be compared to the state rate.

$$\frac{\left[\frac{\text{county male deaths}}{\text{county male population}} \times \text{state male population} \right] + \left[\frac{\text{county female deaths}}{\text{county female population}} \times \text{state female population} \right]}{\text{TOTAL STATE POPULATION}} \times 1,000$$

The same logic can be used to adjust for age and/or race.

REFERENCES:

For further information about calculating confidence intervals and adjusting rates, see:

National Center for Health Statistics: Infant Mortality, by J. C. Kleinman, Statistical Notes for Health Planners, No. 2. Health Resources Administration, Washington, D.C., July 1976.

National Center for Health Statistics: Mortality, by J. C. Kleinman, Statistical Notes for Health Planners, No. 3. Health Resources Administration, Washington, D.C., July 1977.

Appendix C: List of Figures and Tables

FIGURES

Figure 6-1.	Total Death Rates, Oregon and the U.S., 1965-1996	6-1
Figure 6-2.	Heart Disease Death Rates, Oregon and the U.S., 1965-1996	6-1
Figure 6-3.	Age-Specific Death Rates, Oregon Residents, 1940-1996	6-2
Figure 6-4.	Proportion of Deaths By Selected Age Groups, Oregon Residents, 1920-1996	6-3
Figure 6-5.	Distribution of Malignant Neoplasms By Sex and Site, Oregon Residents, 1996	6-4
Figure 6-6.	Cancer Death Rates, Oregon and the U.S., 1965-1996	6-5
Figure 6-7.	Cerebrovascular Disease Death Rates, Oregon and the U.S., 1965-1996	6-5
Figure 6-8.	COPD Death Rates, Oregon and the U.S., 1965-1996	6-6
Figure 6-9.	Unintentional Injury Death Rates, Oregon and the U.S., 1965-1996	6-6
Figure 6-10.	Percentage Change in the Mortality Rates for Selected Causes of Death Between 1986 and 1996, Oregon Residents	6-8
Figure 6-11.	Median Age at Death for Selected Causes of Death, Oregon Residents, 1996	6-9
Figure 6-12.	Number of AIDS Deaths by Age During 1996 and Distribution of Total AIDS Deaths by Year, 1983-1996, Oregon Residents	6-11
Figure 6-13.	Percentage of Deaths By Cause and Age, Oregon Residents, 1996	6-13
Figure 6-14.	Leading Causes of Years of Potential Life Lost Before Age 65 and Deaths, Oregon Residents, 1996	6-14
Figure 7-1.	Infant Deaths By Age, Oregon Death Cohort, 1996	7-2
Figure 7-2.	Sudden Infant Death Syndrome Rates Oregon and the U.S., 1979-1996	7-3
Figure 7-3.	Neonatal and Postneonatal Death Rates, Oregon Residents, 1945-1996	7-4
Figure 7-4.	Neonatal Death Rates, Oregon and the U.S., 1976-1996	7-5
Figure 7-5.	Fetal Death Ratio, Oregon Residents, 1928-1996	7-6
Figure 7-6.	Neonatal Death Rates by Birthweight, Oregon Birth Cohort, 1993-1995	7-8
Figure 8-1.	Suicide Rates for 15- to 19-Year-Olds, 1959-61, 1969-71, 1979-81, and Three-Year Moving Averages, 1981-96, Oregon Residents	8-1
Figure 8-2.	Number of Suicide Attempts By Sex, Oregon Minors, 1996	8-2
Figure 8-3.	Suicide Attempt Rates for 10- to 17-Year-Olds, Oregon Residents, 1995 and 1996	8-3

Figure 8-4.	Suicide Attempt Rates by County of Residence, Oregon Minors, 1996	8-4
Figure 8-5.	Suicide Attempts by Method and Sex, Oregon Minors, 1996	8-6
Figure 8-6.	Percentage of Attempters Admitted as an Inpatient, by Sex, Oregon Minors, 1995	8-7
Figure 8-7.	Percentage of Attempts that were Life-Threatening, by Age and Sex, Oregon Minors, 1996	8-7
Figure 8-8.	Percentage of Suicide Attempts Among Oregon Minors, By Reasons Given By Each Sex, 1996	8-8
Figure 8-9.	Attempts Due to An Argument with a Boyfriend/Girlfriend, by Age, Oregon Minors, 1996	8-9

TABLES

Table 5-1.	Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, U.S., 1945-1996	5-2
Table 5-2.	Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, Oregon, 1908-1996	5-4
Table 5-3.	Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, By County of Residence, Oregon, 1996	5-6
Table 5-4.	New Oregon Benchmarks Measured by Health Division Databases	5-7
Table 6-1.	Age-Specific Death Rates By Sex, Oregon Residents, 1940, 1950, 1960, 1970, 1980, 1986-1996	6-16
Table 6-2.	Leading Causes of Death By Rank Order for Resident Males and Females, Oregon, 1996	6-17
Table 6-3.	Selected Leading Causes of Death with Rates, Oregon Residents, 1979-1996	6-18
Table 6-4.	The Five Principal Causes of Death by Age, Oregon Residents, 1996	6-20
Table 6-5.	Deaths By Marital Status, Sex, and Age, Oregon Residents, 1996	6-22
Table 6-6.	Number of Deaths from Selected Causes By Age and Sex, Oregon Residents, 1996	6-23
Table 6-7.	Death Rates for Selected Causes By Age and Sex, Oregon Residents, 1996	6-36
Table 6-8.	Number of Deaths By Cause and Month of Death, Oregon Residents, 1996	6-49
Table 6-9.	Deaths By Age, Race, and Ethnicity, Oregon Residents, 1996	6-50
Table 6-10.	Deaths By Selected Causes By Race/Ethnicity, Oregon Residents, 1996	6-51
Table 6-11.	Years of Potential Life Lost Before Age 65 By Year and Cause, Oregon Residents, 1980-1996	6-52

Table 6-12.	Years of Potential Life Lost By Cause, Oregon Residents, 1996	6-53
Table 6-13.	Median Age at Death By Year and Cause, Oregon Residents, 1981-1996	6-54
Table 6-14.	Deaths Due to External Causes and Fatalities Resulting From Injuries at Work, Oregon Residents, 1996	6-55
Table 6-15.	Unintentional Injury Deaths Occurring in Oregon By Type of Injury and Age Groups, 1996	6-56
Table 6-16.	Unintentional Injury Deaths By Type or Source of Injury, Age Groups, and Sex, Oregon Residents, 1996	6-57
Table 6-17.	Deaths From Suicide, Homicide, Legal Intervention, and External Causes Undetermined Whether Unintentionally or Purposely Inflicted, By Age, Sex, and Method, Oregon Residents, 1996	6-58
Table 6-18.	Tobacco-Related Deaths By Sex, Age, and Education, Oregon Residents, 1996	6-59
Table 6-19.	Tobacco-Related Deaths By Cause of Death, Oregon Residents, 1996	6-60
Table 6-20.	Tobacco-Related Deaths By County of Residence, Oregon, 1996	6-61
Table 6-21.	Deaths Due to Alcohol or Drugs By Sex, Age, Race/Ethnicity, and Educational Attainment, Oregon Residents, 1996	6-62
Table 6-22.	Deaths Due to Alcohol or Drugs By County of Residence, Oregon, 1996	6-63
Table 6-23.	Leading Causes of Death By County of Residence, Oregon, 1996	6-64
Table 6-24.	Deaths By Age, Sex, and County of Residence, Oregon, 1996	6-66
Table 6-25.	Years of Potential Life Lost Before Age 65 for Selected Causes of Death and County of Residence, Oregon, 1996	6-68
Table 6-26.	Median Age at Death, By Sex and County of Residence, Oregon Residents, 1996	6-70
Table 6-27.	Deaths By County of Residence By Race and Hispanic Ethnicity, Oregon Residents, 1996	6-71
Table 6-28.	All Deaths and Medical Examiner's Cases By County of Occurrence, Autopsy Status, and Manner of Death, Oregon, 1996	6-72
Table 6-29.	Deaths Occurring in Oregon By Disposal of Remains and County of Residence, 1996	6-73
Table 6-30.	Deaths Due to Unintended Injury By Principal Classes and County of Residence, Oregon Residents, 1996	6-74
Table 6-31.	Unintentional Injury Deaths for Selected Causes, By County of Injury, Oregon, 1996	6-75
Table 6-32.	Deaths By Selected Causes By City, Oregon Residents, 1996	6-76
Table 6-33.	Deaths By Selected Causes By County, Oregon Residents, 1996	6-77

Table 6-34.	Causes Mentioned on the Death Certificate But Which Were Not the Underlying Cause of Death, By County of Residence, Oregon, 1996	6-86
Table 6-35.	Causes Mentioned on the Death Certificate But Which Were Not the Underlying Cause of Death, By Age and Sex, Oregon Residents, 1996	6-87
Table 6-36.	Deaths Due to Firearms By Manner, Sex, Age, Race/Ethnicity, County of Residence, and Weapon Type, Oregon Residents, 1996	6-88
Table 6-37.	Selected Causes of Death By City of Residence, Oregon, 1996	6-89
Table 6-38.	Unintentional Deaths Due to Drownings Occurring in Oregon, by Sex, Age, County of Injury, and Manner of Drowning, 1996	6-90
Table 6-39.	Selected Causes of Death Among Infants, Children and Adolescents, by Age, Oregon Residents Less Than 20 Years Old, 1996	6-91
Table 6-40.	Place of Death by Sex, Age, and Selected Causes of Death, Oregon Residents, 1996	6-92
Table 6-41.	Death Rates for Selected Leading Causes of Mortality, United States, 1981-1996	6-93
Table 6-42.	Age-adjusted Death Rates for Residents of Oregon and the United States for the Leading Causes of Death, 1995	6-94
Table 6-43.	Highest and Lowest Age-Adjusted Death Rates by State, 1995	6-95
Table 7-1.	Infant Deaths By Age and County of Residence, Oregon, Death Cohort 1996	7-10
Table 7-2.	Infant Deaths By Cause and Age at Death, Oregon Residents, Death Cohort 1996	7-11
Table 7-3.	Fetal Deaths By Age of Mother and County of Residence, Oregon, 1996	7-12
Table 7-4.	Fetal Deaths By Weeks of Gestation and Cause of Death, Oregon, 1996	7-13
Table 7-5.	Fetal Deaths By Weeks of Gestation and Age of Mother, Oregon Residents, 1996	7-14
Table 7-6.	Births By Weeks of Gestation and Weight, Oregon Residents, 1995	7-14
Table 7-7.	Fetal Deaths By Weeks of Gestation and Weight, Oregon Residents, 1995	7-15
Table 7-8.	Early Neonatal Deaths By Weeks of Gestation and Weight, Oregon Residents, Birth Cohort 1995	7-15
Table 7-9.	Late Neonatal Deaths By Weeks of Gestation and Weight, Oregon Residents, Birth Cohort 1995	7-16
Table 7-10.	Postneonatal Deaths By Weeks of Gestation and Weight, Oregon Residents, Birth Cohort 1995	7-16
Table 7-11.	Neonatal Deaths By Birthweight, Oregon Residents, Birth Cohort 1995	7-17
Table 7-12.	Neonatal Deaths By Birthweight, Oregon Residents, Birth Cohort 1993-1995	7-18

Table 7-13.	Perinatal Death Rates By County of Residence, Oregon Residents, Birth Cohort 1995	7-19
Table 7-14.	Perinatal Death Rates By County of Residence, Oregon Residents, Birth Cohort 1993-1995	7-20
Table 7-15.	Perinatal Death Rates By Mother's Risk Factors, Oregon Residents, Birth Cohort 1995	7-21
Table 7-16.	Perinatal Death Rates By Mother's Risk Factors, Oregon Residents, Birth Cohort 1993-1995	7-22
Table 7-17.	Neonatal, Postneonatal and Infant Death Rates By Mother's Risk Factors, Oregon Residents, Birth Cohort 1995	7-23
Table 7-18.	Neonatal, Postneonatal and Infant Death Rates by Mother's Risk Factors, Oregon Residents, Birth Cohort 1993-1995	7-24
Table 8-1.	Number of Suicides Among Oregon Teens and Preteens By Age and Sex, 1986-1996	8-12
Table 8-2.	Suicide Attempts By Sex and Age, Oregon Minors, 1996	8-13
Table 8-3.	Suicide Attempts By Age and Living Situation, Oregon Minors, 1996	8-14
Table 8-4.	Suicide Attempts By Sex, Age, and County of Residence, Oregon Minors, 1996	8-15
Table 8-5.	Suicide Attempts By Sex and Place of Attempt Oregon Minors, 1996	8-16
Table 8-6.	Prior Suicide Attempts By Current Attempters During the Previous Five Years, By Sex and Number of Attempts, Oregon Minors, 1996	8-16
Table 8-7.	Suicide Attempts By Method and Sex, Oregon Minors, 1996	8-17
Table 8-8.	Suicide Attempts By Method and Age, Oregon Minors, 1996	8-18
Table 8-9.	Suicide Attempts By Method and Region of Attempt, Oregon Minors, 1996	8-19
Table 8-10.	Suicide Attempts By Method and Attempts During the Previous Five Years, Oregon Minors, 1996	8-20
Table 8-11.	Suicide Attempts By Sex and Subsequent Patient Status, Oregon Minors, 1996	8-21
Table 8-12.	Suicide Attempts By Method and Subsequent Patient Status, Oregon Minors, 1996	8-22
Table 8-13.	Suicide Attempts by Attempter's Age, Sex, and Severity of Injuries, Oregon Minors, 1996	8-23
Table 8-14.	Suicide Attempts by Method and Severity of Injuries, Oregon Minors, 1996	8-24
Table 8-15.	Suicide Attempts by Sex, Age, and Intent of Attempter, Oregon Minors, 1996	8-25
Table 8-16.	Suicide Attempts by Method and Intent of Attempter, Oregon Minors, 1996	8-26
Table 8-17.	Reasons Given for Suicide Attempts by Age and Sex, Oregon Minors, 1996	8-27

Table 8-18.	Reasons Given for Suicide Attempts by Severity of Injuries, Oregon Minors, 1996	8-28
Table 8-19.	Reasons Given for Suicide Attempts by Intent of Attempter, Oregon Minors, 1996	8-29
Table 8-20.	Reported Adolescent Suicide Attempts by Hospital (and County), Oregon, 1988-1996	8-30

APPENDICES

Table A-1.	Population Distribution By Age and Sex, Oregon, 1950, 1960, 1970, 1975-1996	A-1
Table A-2.	Population Estimates for Oregon and its Counties By Age and Sex: July 1, 1996	A-3
Table A-3.	Population Projection for Oregon 1995-2025	A-6