
Oregon Vital Statistics Annual Report 2004 Vol. 2



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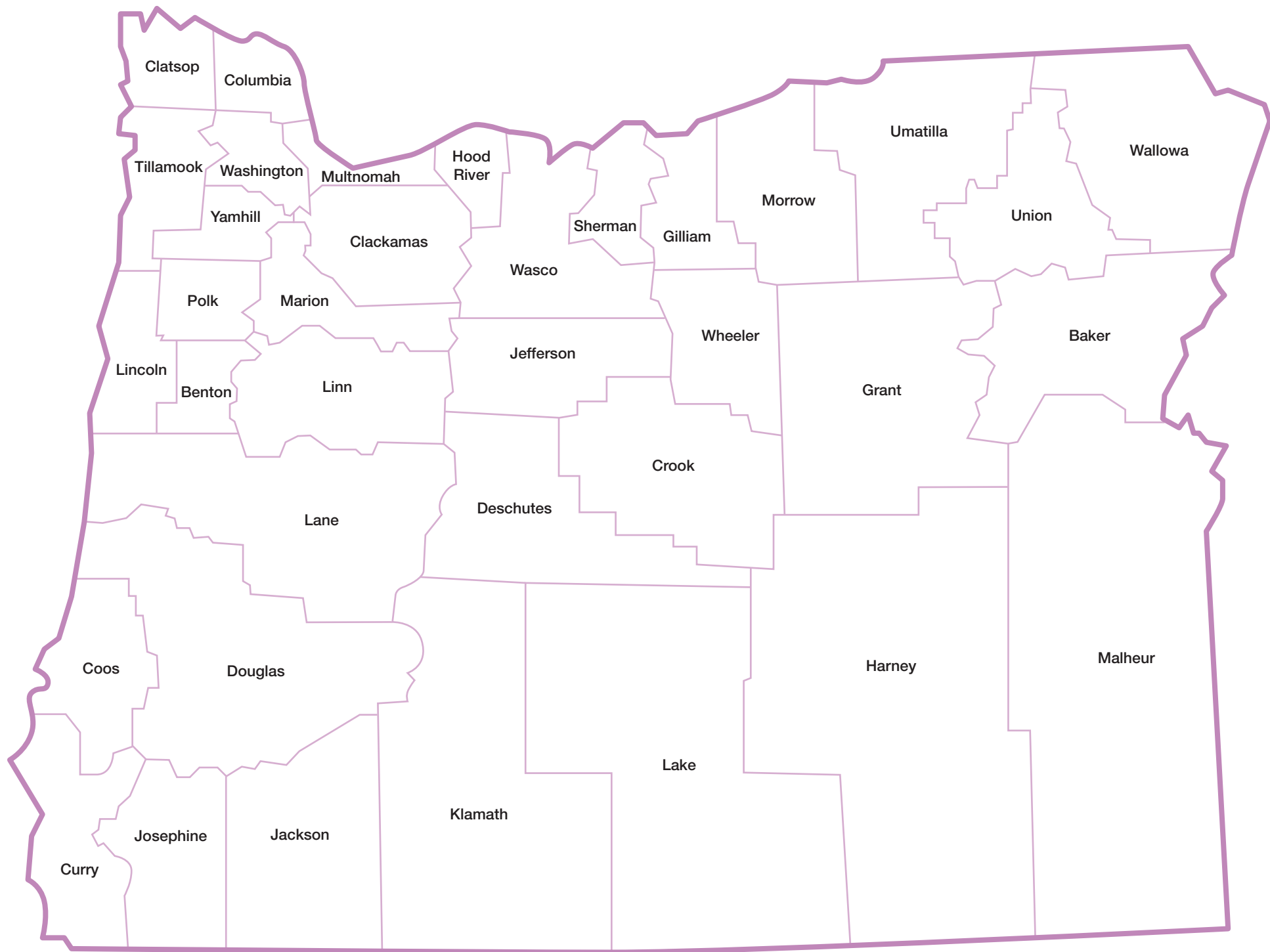
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Quick Reference: Volume 2

Summary of Oregon Vital Events, 2004

Population	3,582,600	The population increased 41,100, or 1.2 percent over 2003.
Death Number Rate	Residents 30,201 8.4	The number of deaths decreased by 612. The rate decreased by 3.4 percent.
Infant Deaths Number Rate	Residents 252 5.5	The number of infant deaths decreased by four. The rate decreased by 1.8 percent.
Neonatal Deaths Number Rate	Residents 178 3.9	The number of neonatal deaths increased by five. The rate increased 2.6 percent.
Maternal Deaths Number Ratio	Residents 6 13.1	Oregon's average maternal death rate for 2000-2004 (7.5) was 36.4 percent lower than the U.S. rate for 2000-2004 (11.8).
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., 1945-2004

Year	Deaths		Maternal Deaths		Infant Deaths		Neonatal Deaths		Fetal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
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

See footnotes at end of table.

TABLE 5-1. Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, U.S., 1945-2004 — Continued

Year	Deaths		Maternal Deaths		Infant Deaths		Neonatal Deaths		Fetal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
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	7.5
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	8.0	33,466	8.0	21,174	5.0	28,766	7.0
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	7.0
1997	2,314,245	8.7	327	8.4	28,045	7.2	18,524	4.8	26,486	6.8
1998	2,338,070	8.7	281	7.1	28,496	7.2	18,832	4.8	26,702	6.7
1999	2,391,399	8.8	406	9.9	27,937	7.1	18,728	4.7	26,884	6.7
2000	2,403,351	8.7	404	9.8	28,035	6.9	18,776	4.6	27,003	6.6
2001	2,416,425	8.5	416	9.9	27,568	6.8	18,265	4.5	26,373	6.5
2002	2,443,387	8.5	379	9.4	28,034	7.0	18,747	4.7	25,943	6.4
2003	2,448,288	8.4	495	12.1	28,025	6.9	18,893	4.6	**	**
2004*	2,398,343	8.2	654	15.9	27,838	6.8	18,532	4.5	**	**

Rates per 1,000 population for deaths.

Rates per 100,000 live births for maternal deaths.

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

Rates per 1,000 live births for fetal deaths.

Sources: Vital Statistics of the United States, vols. 1-3, lists historical data. Recent data are available from the National Center for Health Statistics (NCHS) web site (<http://www.cdc.gov/nchs/nvss.htm>). Fetal death rates are from 'Health United States, 2003' (<http://www.cdc.gov/nchs/data/hsr/tables/2003/03hus022.pdf>).

The number of fetal deaths for 1998 and subsequent years are from Martha Munson and Joyce Martin, NCHS (personal communication).

* Provisional data.

** Not available.

TABLE 5-2. Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, Oregon, 1910, 1915, 1920, 1925, 1930, 1935-2004

Year	Deaths		Maternal Deaths		Infant Deaths		Neonatal Deaths		Fetal Deaths**	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Ratio
1910	6,089	9.0	91	992.0	733	79.9	-	-	-	-
1915	6,718	9.1	74	605.0	583	47.6	-	-	-	-
1920	9,186	11.6	112	749.0	927	61.9	-	-	-	-
1925	9,596	10.9	95	610.0	787	50.5	-	-	-	-
1930	10,544	11.0	81	601.0	671	49.8	-	-	390	28.9
1935	11,429	11.2	72	548.0	537	40.8	-	-	300	22.8
1936	12,434	12.0	77	545.0	626	44.3	-	-	300	21.5
1937	12,369	11.8	56	361.0	649	41.9	-	-	340	22.4
1938	11,777	11.1	53	325.0	631	38.6	-	-	353	21.6
1939	11,779	11.0	43	257.0	580	34.7	-	-	322	19.3
1940	12,329	11.3	45	257.0	592	33.2	413	23.6	365	20.8
1941	12,123	10.9	43	229.0	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	146.0	776	30.6	466	18.4	999	99.9
1944	12,580	10.3	41	148.0	706	30.1	504	21.5	454	19.4
1945	12,325	10.0	29	124.0	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	-	-
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
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	99.9

See footnotes at end of table.

**TABLE 5-2. Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths,
and Fetal Deaths, Oregon, 1910, 1915, 1920, 1925, 1930, 1935-2004 — Continued**

Year	Deaths		Maternal Deaths		Infant Deaths		Neonatal Deaths		Fetal Deaths**	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Ratio
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	*
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
1997	28,750	8.9	5	11.4	256	5.8	157	3.6	235	5.4
1998	29,346	9.0	5	11.1	246	5.4	143	3.2	208	4.6
1999	29,356	8.9	3	6.6	261	5.8	191	4.2	216	4.8
2000	29,541	8.6	4	8.7	255	5.6	165	3.6	201	4.4
2001	30,128	8.7	3	6.6	245	5.4	158	3.5	205	4.5
2002	31,082	8.9	3	6.6	260	5.8	172	3.8	222	4.9
2003	30,813	8.7	1	2.2	256	5.6	173	3.8	184	4.0
2004	30,201	8.4	6	13.1	252	5.5	178	3.9	184	4.0

- Data not available.

Rates per 1,000 population for deaths.

Rates per 100,000 live births for maternal deaths.

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

Ratios per 1,000 live births for fetal deaths.

* Incomplete total; ratio not calculated.

** Fetal deaths must be reported when fetal weight is at least 350 grams, or if the weight is unknown, a gestational length of at least 20 weeks.

Prior to 1998, determination was made on gestational length alone.

NOTE: Complete listings for years between 1908 to 1934 can be found in annual reports before 2001.

**TABLE 5-3. Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths,
by County of Residence, Oregon, 2004**

County of Residence	Deaths		Infant Deaths		Neonatal Deaths		Fetal deaths	
	Number	Rate ¹	Number	Rate ²	Number	Rate ²	Number	Ratio ³
Total	30,201	8.4	252	5.5	178	3.9	184	4.0
Baker	207	§ 12.5	2	13.2	1	6.6	2	13.2
Benton	486	§ 5.9	2	2.7	1	1.3	3	4.0
Clackamas	2,730	§ 7.7	17	4.1	12	2.9	11	2.7
Clatsop	359	§ 9.9	2	5.0	2	5.0	1	2.5
Columbia	402	8.8	2	4.2	1	2.1	1	2.1
Coos	828	§ 13.2	4	6.3	3	4.7	3	4.7
Crook	173	8.4	—	—	—	—	1	4.0
Curry	284	§ 13.4	2	12.8	1	6.4	—	—
Deschutes	961	§ 7.1	10	6.0	7	4.2	2	1.2
Douglas	1,211	§ 11.8	6	5.4	3	2.7	4	3.6
Gilliam	27	§ 14.2	—	—	—	—	—	—
Grant	77	9.9	1	14.5	1	14.5	—	—
Harney	66	8.6	1	13.2	1	13.2	—	—
Hood River	181	8.6	4	12.8	3	9.6	—	—
Jackson	1,885	§ 9.9	13	6.1	7	3.3	10	4.7
Jefferson	161	8.0	1	3.2	1	3.2	3	9.6
Josephine	1,022	§ 13.0	5	6.2	3	3.8	3	3.8
Klamath	705	§ 10.9	5	6.8	4	5.4	3	4.1
Lake	87	§ 11.6	1	17.5	—	—	1	17.5
Lane	2,963	§ 8.9	18	5.2	14	4.0	14	4.0
Lincoln	526	§ 11.8	5	10.8	5	10.8	2	4.3
Linn	1,068	§ 10.0	8	5.7	8	5.7	5	3.6
Malheur	277	8.7	2	4.4	1	2.2	3	6.6
Marion	2,431	8.1	22	4.7	13	2.8	21	4.5
Morrow	83	7.1	1	5.6	1	5.6	1	5.6
Multnomah	5,410	§ 7.9	54	5.8	39	4.2	42	4.5
Polk	551	8.5	10	12.1	5	6.1	—	—
Sherman	20	10.5	—	—	—	—	1	66.7
Tillamook	262	§ 10.5	—	—	—	—	2	7.3
Umatilla	610	8.4	4	3.7	3	2.8	4	3.7
Union	232	9.3	—	—	—	—	2	7.5
Wallowa	70	9.8	—	—	—	—	1	17.5
Wasco	285	§ 11.9	4	15.1	4	15.1	—	—
Washington	2,801	§ 5.8	43	5.6	32	4.2	32	4.2
Wheeler	22	§ 14.2	—	—	—	—	—	—
Yamhill	738	8.3	3	2.6	2	1.7	6	5.2

— Quantity is zero.

§ Indicates rate is statistically significantly different from the state.

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

NOTE: Infant deaths occur in the first year of life. Neonatal deaths occur within the first 27 days of life. Fetal deaths include fetuses whose birthweight was 350 grams or more or if birthweight was unknown, gestational age was 20 weeks or more.

1 Rates per 1,000 population for deaths.

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

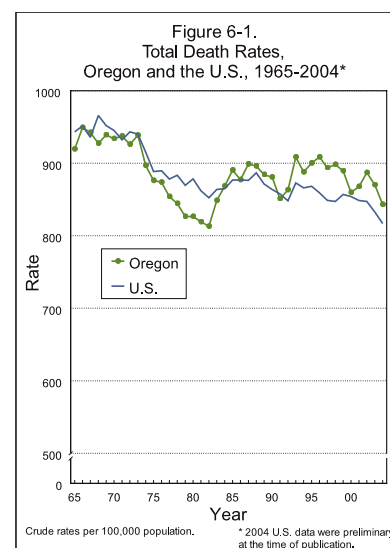
3 Ratios per 1,000 live births for fetal deaths.

Mortality

Fewer Oregonians died in 2004 (30,201) than during 2003 when 30,813 deaths were recorded. Oregon's crude death rate fell 3.1 percent during 2004 to 843.0 per 100,000 population, down from 870.1 the previous year. [Figure 6-1, Table 6-3]. (Unless otherwise specified, references to death rates mean crude rates; see the Appendix for further discussion of crude and age-adjusted rates.) The age-adjusted death rate fell from 838.4 to 814.8, a record low and a continuation of long-term downward trend.

For many years, Oregon had a lower age-adjusted death rate than the nation, but in recent years that difference has gradually diminished. During 2003 (the most recent available data), Oregon's rate was 2.9 percent lower than the US rate and ranked 30th highest among the states and District of Columbia. [Table 6-51]. During the past quarter-century, the greatest difference between the rates occurred during 1982 when Oregon's rate was 7.7 percent lower than the US rate (909.4 versus 984.9) and sixth lowest among the states and District of Columbia.

Oregon's age-adjusted cause-specific death rates ranked among the top 10 states (and District of Columbia) for seven causes: cerebrovascular disease (7th highest), Alzheimer's disease (7th), suicide (8th), alcohol-induced deaths (4th), hypertension (8th), Parkinson's disease (5th), amyotrophic lateral sclerosis (6th), and, viral hepatitis (8th). At the same time, Oregon was among the states with the 10 lowest rates for six causes: heart disease (5th lowest), influenza/pneumonia (6th), nephritis/nephrosis (7th), septicemia (4th), perinatal conditions (6th), and, homicide (10th).

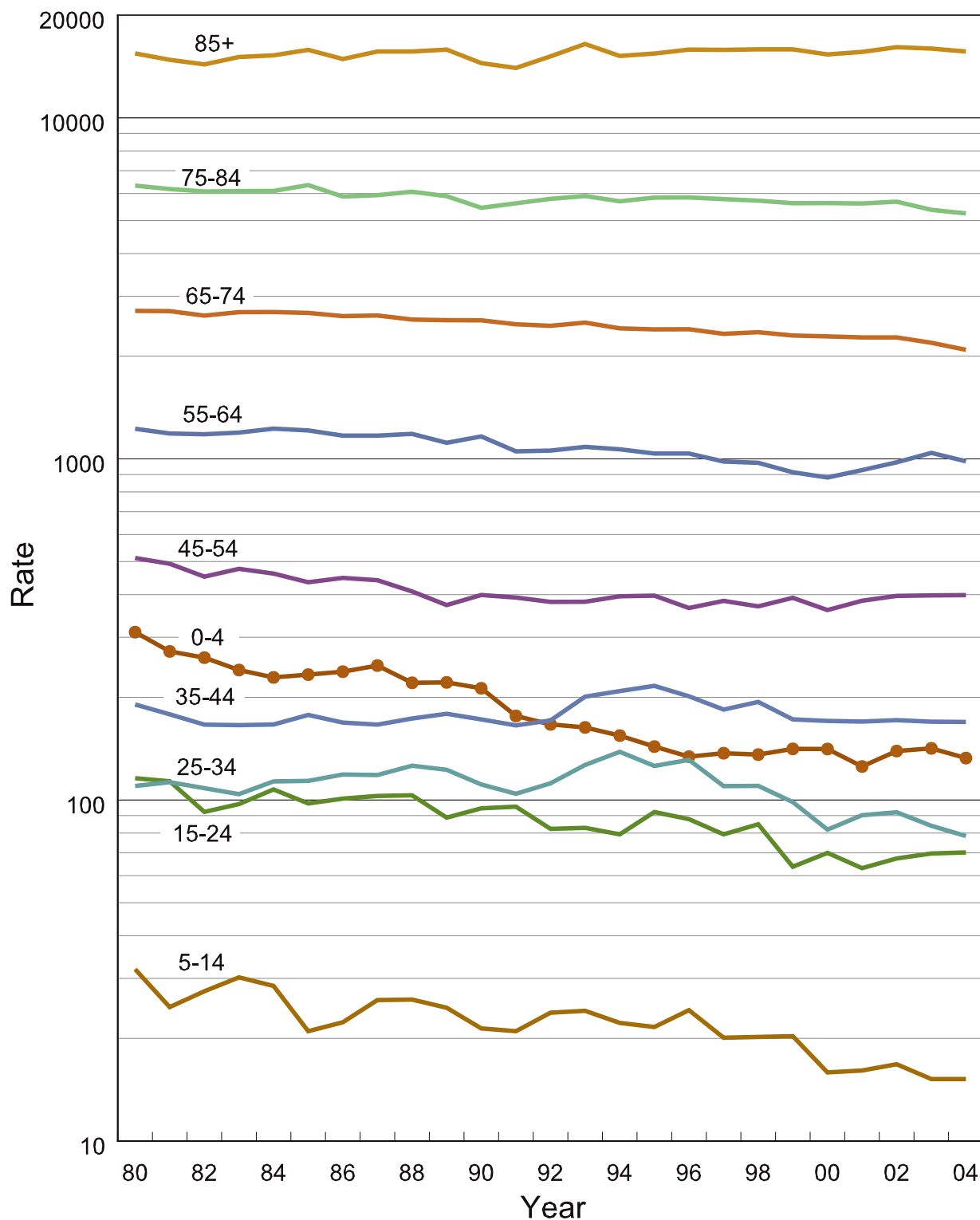


**The life expectancy of
Oregonians in 2004 was
78.1 years.**

Life Expectancy, Oregon and the United States, 1960-2004						
Year	Oregon			United States		
	Total	Male	Female	Total	Male	Female
1960	70.9	N.A.	N.A.	69.7	66.6	73.1
1970	72.1	68.4	76.2	70.8	67.1	74.7
1980	75.0	71.4	78.8	73.7	70.0	77.4
1990	76.6	73.4	79.8	75.4	71.8	78.8
1995	76.8	74.0	79.5	75.8	72.5	78.9
2000	78.0	75.6	80.5	77.0	74.3	79.4
2001	78.0	75.9	80.2	77.2	74.4	79.8
2002	77.9	75.7	80.0	77.3	74.7	79.9
2003	77.7	75.3	80.1	77.6	74.8	80.1
2004	78.1	75.7	80.4	77.9	75.2	80.4

U.S. data sources: National Center for Health Statistics. Health, United States, 2003. Hyattsville, Maryland. 2004. (<http://www.cdc.gov/nchs/data/hus/04trend.pdf#changes>) National Center for Health Statistics. National Vital Statistics Reports, Vol. 53, No. 15. Deaths: Preliminary Data for 2004 (http://www.cdc.gov/nchs/data/nvsr/nvsr54/nvsr54_19.pdf).

Figure 6-2.
Age-specific Death Rates,
Oregon Residents, 1980-2004



Rates per 100,000 population.

Note: A logarithmic scale is used for the vertical axis.

LIFE EXPECTANCY

The longest living Oregonian ever recorded was a Siberian-born man who died in 1999 at 117 years of age. Most of the state's residents have far shorter lives, but the long-term trend is for an increasing life expectancy. Since 1960, the life expectancy of Oregonians has increased from 70.9 years at birth to 78.1 in 2004.

Life expectancy is a theoretical construct that represents the average number of years a group of infants would live if they were to experience, throughout their lives, the age-specific death rates present at their birth. It is affected by such factors as the environment, the economy, health behaviors, and changing medical technology.

Life expectancy for Oregon males reached a record high 75.7 years in 2004, while the rate for females increased to 80.4, matching the level seen in 2000. Through most of the latter half of the 20th century, Oregon's life expectancy exceeded the nation's by 1.2-1.3 years. By the year 2000, the difference slipped to 1.0 year and has since and fallen precipitously with state's life expectancy exceeding the nation's by just 0.2 years (78.1 versus 77.9.) The Oregon advantage disappeared entirely in 2004 for resident females. Relative to the United States, Oregon's life expectancy has risen more slowly since 1960; while the state's life expectancy has increased 10.2 percent, the nation's has increased 11.8 percent.

Among the nations of the world, the United States ranked 45th in life expectancy, ranking below countries such as Spain, Jordan, and Liechtenstein. Life expectancy was longest in Andorra—83.5 years.¹

The United States ranks 45th in life expectancy, tied with Cyprus.

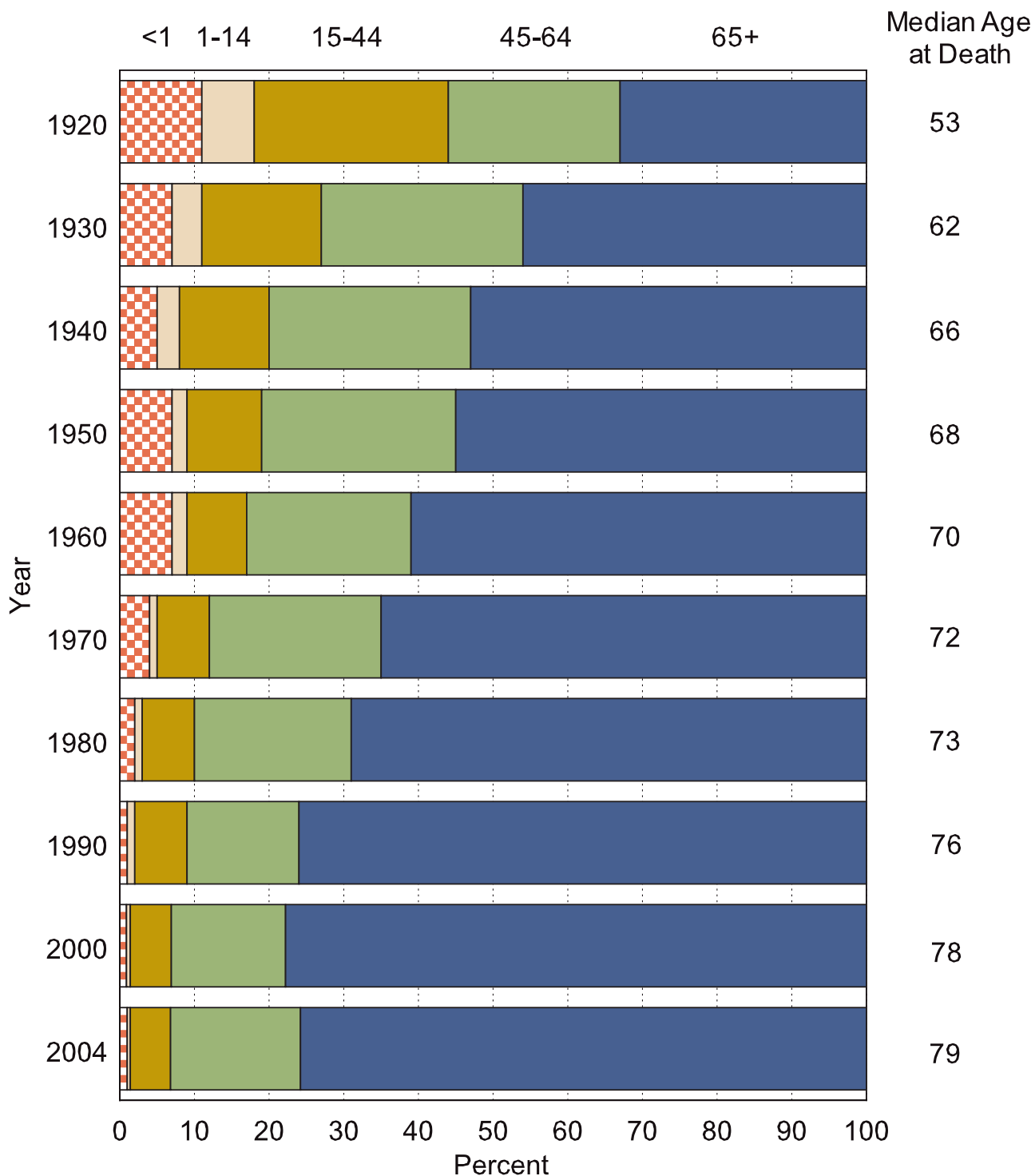
DEMOGRAPHIC CHARACTERISTICS

Gender

The decline in Oregon's overall mortality rate between 2003 and 2004 reflects the decline seen for both sexes. [Table 6-1]. Although the crude death rate for females (848.4 per 100,000 population) was 1.3 percent higher than that recorded for males (837.5), it would be a mistake to conclude that the risk of death was greater for females than males; female age-specific death rates were lower than those for males and are manifested in the age-adjusted death rates (694.5 versus 980.4). The increase in female crude death rates vis-à-vis male rates seen over the past decade is largely due to the changing age distribution within these two groups, rather than a decline in the health status of the former. Proportionately, there are simply larger numbers of elderly women than men, and the elderly, even under the best of circumstances, are more likely to die than are their younger counterparts. (See Appendix B for further information about age-specific and age-adjusted death rates.)

The oldest Oregonian to die in 2004 was a 107 year-old man.

Figure 6-3.
Proportion of Deaths by Selected Age Groups,
Oregon Residents, 1920-2004



Age

During the past decade, age-specific death rates have declined for five of the six groups shown in Table 6-1, the exception being Oregonians 65 or older where the rate increased by a negligible 0.1 percent. Age-specific rates declined between 24 and 30 percent among Oregonians ages 5-44.

Table 6-1 shows the disparity in the age-specific death rates by gender; most striking is the twofold greater risk of death among males ages 15-24 than among similarly-aged females, 95.1 per 100,000 versus 44.1. For both sexes combined, the median age at death increased from 78 to 79 in 2004 while that for males increased from 75 to 76. The female median age at death remained unchanged.

LEADING CAUSES OF DEATH²

Overview

In 2001, for the first time, the number of Oregonians dying as a consequence of cancer exceeded the number dying from heart disease, albeit by just five deaths. By 2004, the difference increased one hundredfold to 540, with malignant neoplasms accounting for 7,227 deaths compared to 6,687 for heart disease. Throughout the 20th century, with the notable exception of the great influenza pandemic of 1918-19, heart disease was the leading cause of death of Oregonians.

Together, malignant neoplasms and heart disease accounted for 46.1 percent of all deaths during 2004. Although the number of deaths resulting from these causes were similar, malignant neoplasms resulted in the loss of nearly twice as many years of potential life (see box on page 6-6), a reflection of the younger ages of cancer's victims. The apparent increasing risk of cancer vis-à-vis heart disease isn't a result of increasing cancer deaths rates, but, instead, declining heart disease death rates. In fact, the malignant neoplasm death rate has trended downward during the past decade, but the heart disease death rate has fallen more rapidly.

Some causes of death have become increasingly common, with their rates displaying a significant upward trend during the past decade. Age-adjusted death rates were at record highs for the following causes: viral hepatitis (from 1.7 in 1995 to 2.9 in 2004); esophageal cancer (4.3 to 5.6); diabetes mellitus (22.1 to 29.0); Parkinson's disease (7.2 to 8.6); Alzheimer's disease (19.5 to 33.4); hypertension (6.7 to 9.5); nephritis/nephrosis (5.2 to 8.2); and, falls (6.1 to 10.1). At the same time, other causes have become less common, showing a significant downward trend, with the rate falling to its lowest point during the past decade, including: malignant neoplasms in general (213.7 to 196.7); cancer of the colon, rectum, and anus (22.1 to 17.5); female breast cancer (30.4

Together, cancer and heart disease account for nearly one-half of all deaths.

**Cancer deaths
outnumbered heart
disease deaths.**

to 25.0); prostate cancer (38.3 to 28.1); leukemia (8.5 to 7.3); heart disease (232.6 to 179.2); coronary artery disease (181.9 to 119.7); myocardial infarction (61.8 to 39.5); cerebrovascular disease (82.2 to 61.9); arteriosclerosis (9.0 to 4.6); influenza and pneumonia (19.8 to 14.7); and emphysema (9.2 to 6.4).

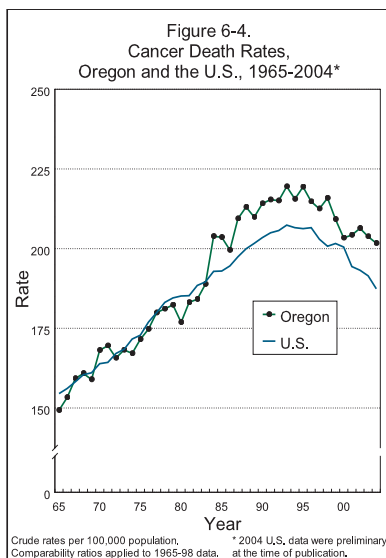
Causes of death varied by age group. Among infants, perinatal conditions were most common, but unintentional injuries ranked first for Oregonians ages 1-44. From age 45 through 84 cancer was leading cause of death, but among residents 85 or older, heart disease ranked first. Until 2003, heart disease had been the leading cause of death beginning at age 75.

Cancer

During 2004, cancer was the leading cause of death among Oregonians. For many decades, the cancer death rate increased inexorably, but by the early 1990s it had plateaued; since then, the rate has trended downward. In 2004, the crude death rate was 201.7 per 100,000 population compared to 203.8 a year earlier. Age-adjusted death rates trended lower, as well, falling from 198.2 to 196.7 in 2004. Malignant neoplasms were a contributing factor, but not the underlying cause, in 822 deaths.

The difference in death rates between males and females has narrowed greatly during the past two decades. During 2004, the crude death rate for cancer was 7.5 percent higher for males than females, 209.0 versus 194.5. Nonetheless, the disparity was far greater when age-adjusted death rates were compared, 238.4 versus 169.6, a 40.6 percent difference. [Table 6-43m and Table 6-43f]. Malignant neoplasms were the leading cause of death for both males and females. [Table 6-2].

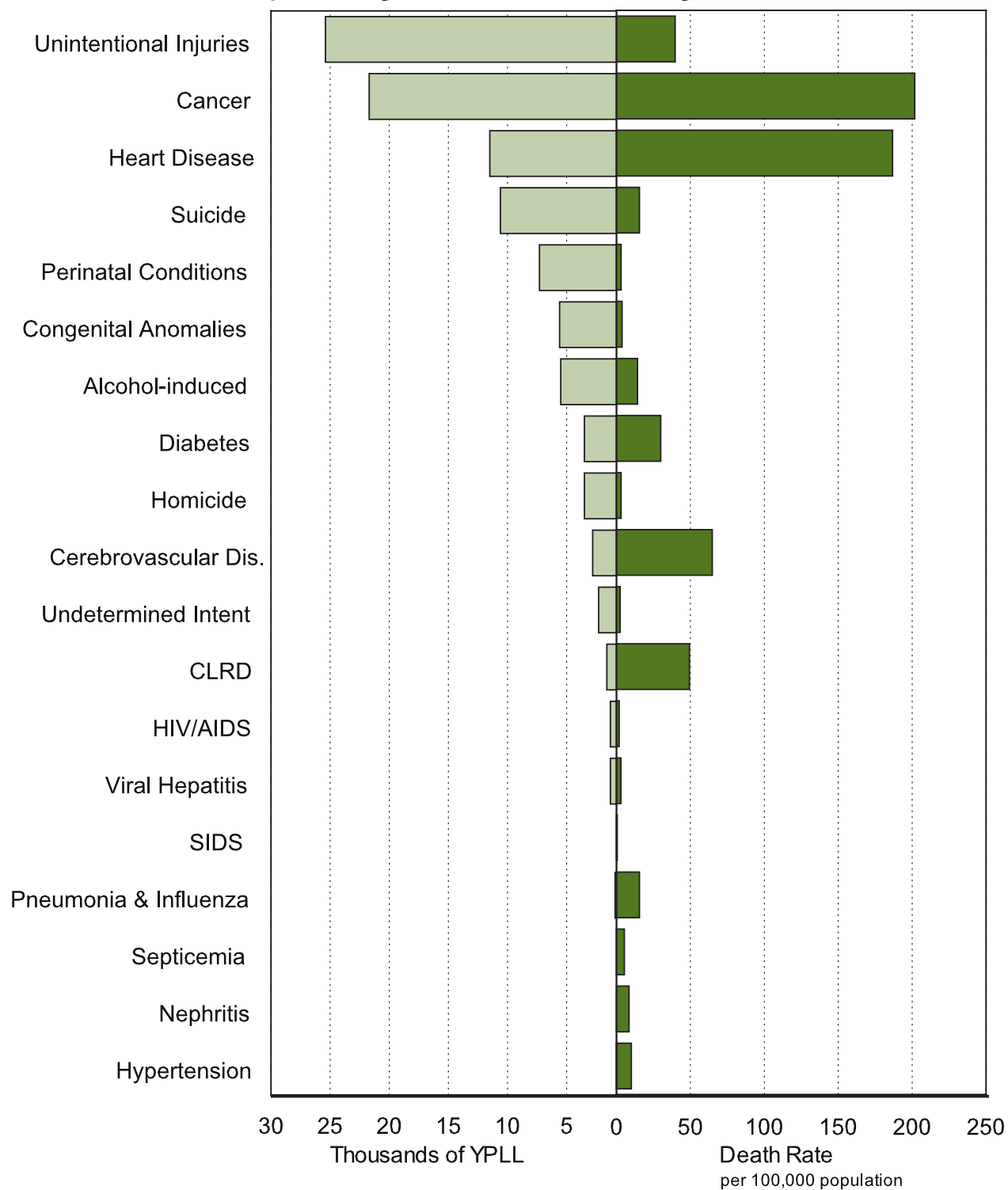
Cancer was one of the top five leading causes of death among Oregonians of all ages, except infants, and was the leading cause of death for residents ages 45 through 84. Half of all the deaths from this cause in 2004 occurred by age 74. Malignant neoplasms



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 for all decedents are then totaled. Figure 6-5 shows the disparity between death rates and the years of potential life lost. (In all references to YPLL in this report, the standard is 65 years, unless otherwise noted.)

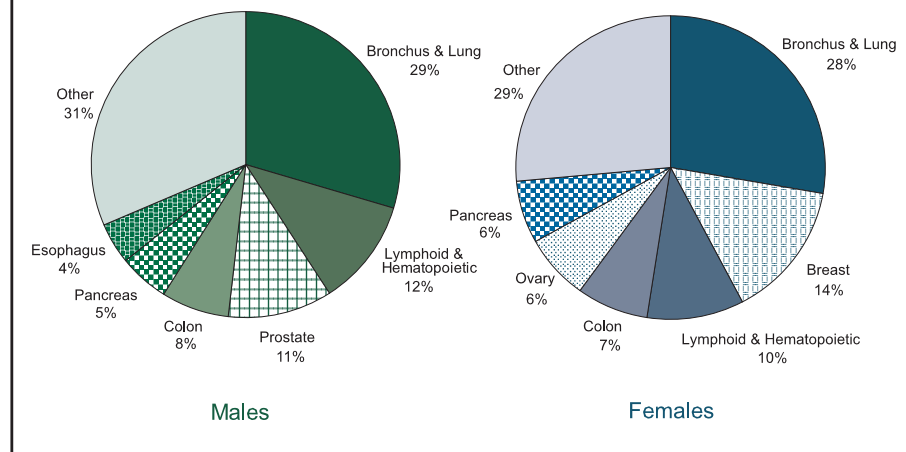
Figure 6-5.
Leading Causes of Years of Potential Life Lost
and Corresponding Death Rates, Oregon Residents, 2004



CLRD = Chronic Lower Respiratory Disease

Lung cancer claimed the lives of nearly twice as many women as did breast cancer.

Figure 6-6.
Distribution of Malignant Neoplasms
by Sex and Site, Oregon Residents, 2004



were the second-leading cause of premature death, following unintentional injuries, and accounted for 21,652 years of potential life lost.

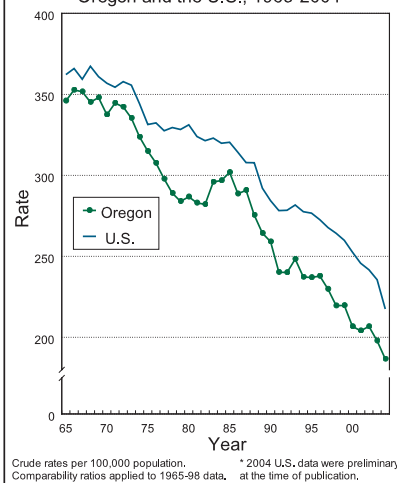
Oregon's age-adjusted malignant neoplasm death rate had long been lower than that of the United States', but more recently the rates have been similar; in 2003, the rate was 1.4 percent higher than the nation's and ranked 26th among the states and District of Columbia.³ Cancer claimed the life an Oregonian every 73 minutes, on average.

The most common fatal cancer for both sexes is lung cancer, a cause that would be rare in the absence of smoking. [Figure 6-6]. Its increasing frequency drove the decades-long increase in the overall malignant neoplasm death rate, especially among females. Thirty years ago, there were 3.6 male deaths due to lung cancer for every female death, but by 2004 the ratio was 1.1:1.0. Although more often in the public eye than lung cancer, breast cancer claimed about one-half the number of women, 975 versus 512, respectively. Ranking third and fourth were lymphoid and hematopoietic cancer and colon cancer. Among males, lymphoid and hematopoietic cancer ranked second, followed by prostate and colon cancer.

Heart Disease

Despite brief occasional breaks in the long-term downward trend in its death rate, heart disease had been the leading cause of death in Oregon during most of the 20th century.⁴ In 2001, for the first time, more deaths (five) resulted from cancer than from heart disease. During 2004, 6,687 Oregonians succumbed to heart disease, 540 fewer than from malignant neoplasms. The crude death rate fell from 197.9 per 100,000 population in 2003 to 186.7 during 2004, while the age-adjusted death rate fell from 189.5

Figure 6-7.
Heart Disease Death Rates
Oregon and the U.S., 1965-2004*



to 179.2. Heart disease was listed on 4,361 death certificates as a contributing factor in the decedent's death, but not the underlying cause.

The 2004 crude death rate for heart disease was 4.2 percent higher for males than females (190.5 versus 182.9). However, age-adjusted death rates for heart disease showed that the risk of death from this cause was actually far greater among males than females, 230.3 compared to 142.9, a 61.2 percent difference. [Table 6-43m and Table 6-43f].

Heart disease was the leading cause of death for Oregonians 85 or older and one of the top five causes among Oregonians of all ages except infants and youth ages 15-24. It was the second-leading cause of death for residents ages 45-84. The median age at death increased from 81 to 82 years during 2004, a record high. [Table 6-13]. Reflecting the relatively older ages at which Oregonians died from heart disease was this cause's rank by years of potential life lost; 11,505 years of potential life were lost, making it the third leading cause of premature death following cancer and unintentional injuries. [Table 6-11].

Oregon's rate has consistently been lower than the US rate; in 2003, the state's age-adjusted death rate was 25.5 percent lower and ranked 46th among the states and District of Columbia.³ [Table 6-51]. Every 79 minutes, on average, a resident died from heart disease.

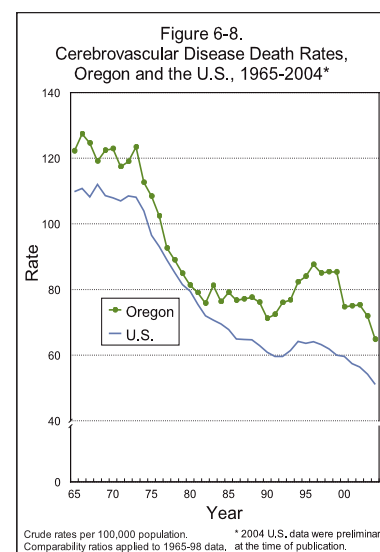
The heart disease category includes a number of conditions, but the most common, and accounting for the majority of heart disease deaths, were myocardial infarctions and other forms of ischemic heart disease, such as coronary artery disease. [Table 6-6].

Cerebrovascular Disease

For more than a quarter of a century, the cerebrovascular disease death rate has trended downward and during 2004 fell to its lowest point in more than 20 years. [Figure 6-8]. In 2004, the crude death rate was 64.8 per 100,000 population compared to 71.9 in 2003. At 61.9, the age-adjusted death rate declined 9.6 percent over the previous year's 68.5. The number of deaths resulting from cerebrovascular disease, the third leading cause of death, dropped from 2,548 in 2003 to 2,322 in 2004. Cerebrovascular disease was mentioned as a factor, but not the underlying cause, in another 1,449 deaths.

Many more females than males died from cerebrovascular disease, and although the female crude death rate was 46.5 percent higher than the rate for males (76.9 versus 52.5), the age-adjusted rates revealed that males were at a somewhat greater risk of dying from cerebrovascular disease than females, 65.4 versus 59.3. [Table 6-43m and Table 6-43f].

The heart disease death rate fell to a record low in 2004.



Oregon's cerebrovascular disease death rate ranked seventh highest among the states.

Fatal cerebrovascular disease was uncommon before age 55, but by age 75 it was the third most common cause of death among Oregon residents. Despite the frequency with which it occurred, it ranked 10th by years of potential life lost (2,804), a consequence of the older ages of decedents (compared to relatively younger ages at death for many other causes). Four-fifths of the deaths occurred after age 74 with half of all deaths occurring by age 84, the same as during 2003.

The cerebrovascular disease death rate has long been higher in Oregon than in the US as a whole. In 2003, the age-adjusted death rate was 22.2 percent higher and seventh highest among the states, including the District of Columbia.³ Every 3.8 hours, on average, a resident died from cerebrovascular disease.

Intracerebral hemorrhages and cerebral infarctions are examples of two forms of cerebrovascular disease, but appearing most commonly on death certificates is the more general term "stroke."

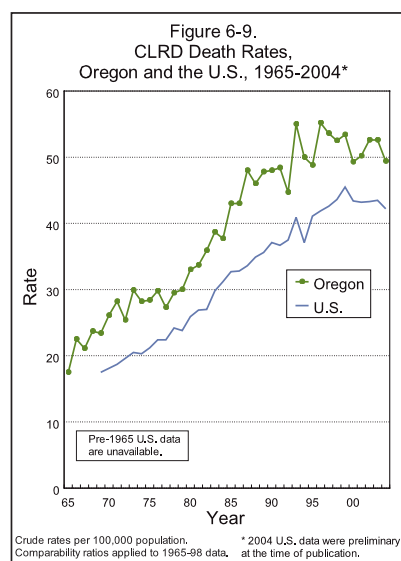
Chronic Lower Respiratory Disease

Chronic lower respiratory disease (CLRD) death rates increased inexorably for several decades, plateauing in the early to mid-1990s. [Figure 6-9]. Increased smoking, particularly by women, drove the rising death rate and resulted in CLRD becoming the fourth most common cause of death beginning in 1987. During 2004, the crude death rate was 49.4 per 100,000 population compared to 51.3 the preceding year. CLRD was the underlying cause of death for 1,770 of the state's residents, but it contributed to an even larger number of deaths where it was not the underlying cause, 1,869. The age-adjusted death rate fell from 49.8 during 2003 to 48.1 during 2004.

For most of the 20th century, far more males succumbed to CLRD than did females, but in 1999 this pattern reversed for the first time. In 2004, 877 males and 893 females died from this disease. Although females appear to be at greater risk than males, this is a reflection of the age distribution of Oregon's population. The 2004 age-adjusted death rates showed that males were at substantially greater risk from CLRD than females, 59.1 compared to 41.6, a 42.1 percent difference. [Table 6-43m and Table 6-43f].

CLRD is the third leading cause of death for Oregonians ages 55-74, but the largest number of CLRD deaths occurred to residents ages 75-84 where CLRD ranked fourth. [Table 6-4]. Although the fourth most common cause of death overall, chronic lower respiratory disease ranked 12th in the number of years of potential life lost (1,604). The median age at death was 78, unchanged from the previous year.

Oregon's age-adjusted CLRD death rate had long been markedly higher than that of the nation's, but the disparity has abated in recent years. During 2003, the state's rate was just 11.8 percent

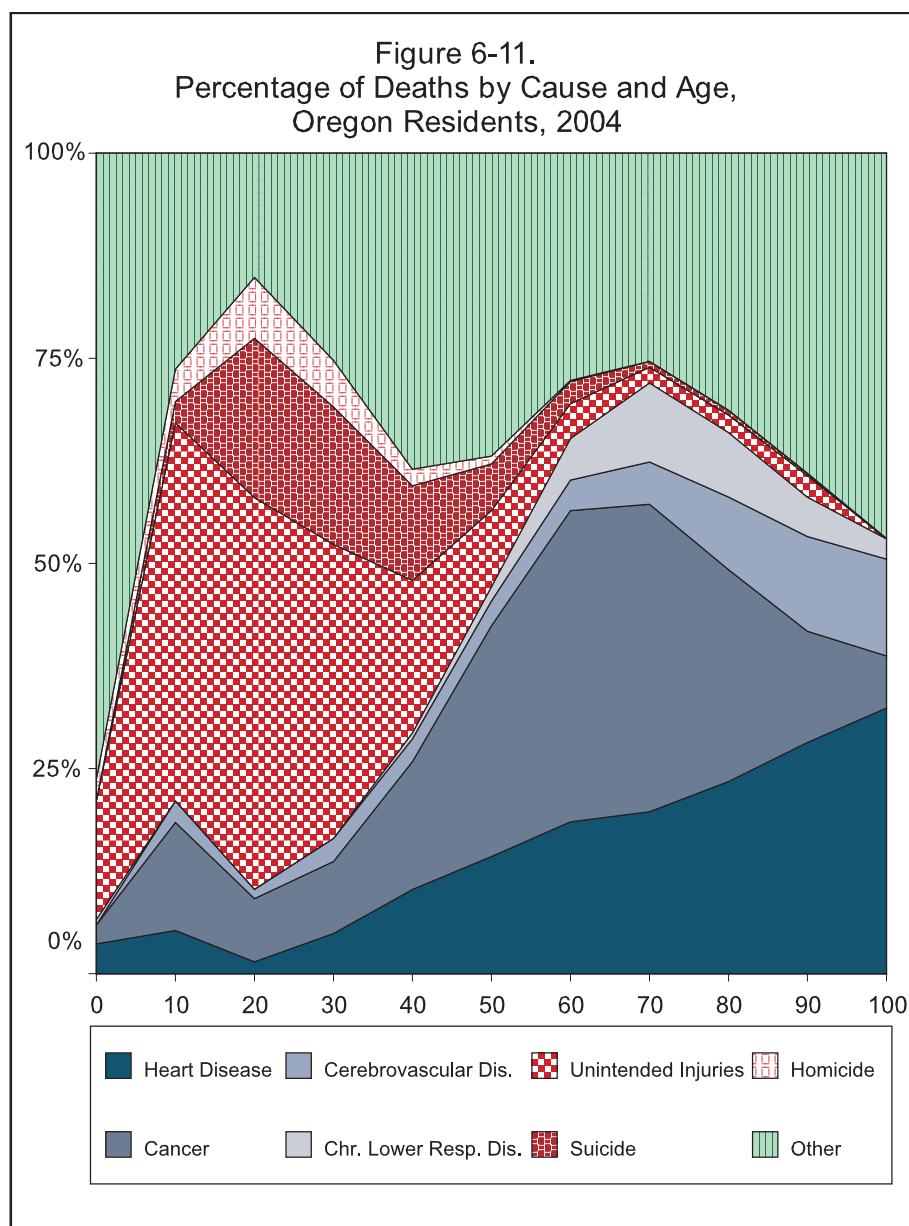
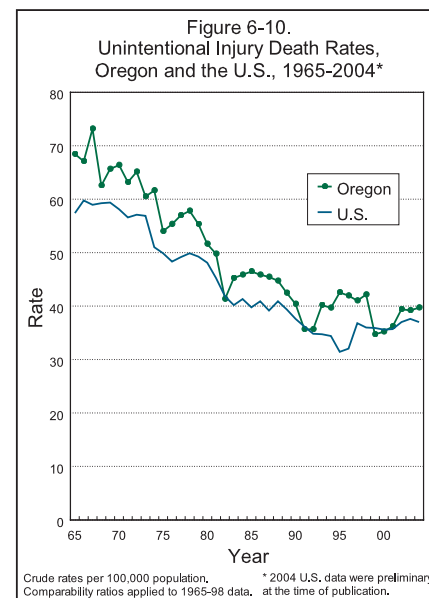


Oregon's age-adjusted emphysema rate was 53 percent higher than the nation's and the highest among the states.

higher than the nation's and ranked 17th among the states and District of Columbia. The greatest disparity occurred in 1987 when Oregon's rate was 26.8 percent higher and ranked 11th among the states. Despite the overall improvement in the CLRD rate vis-a-vis the U.S., Oregon's emphysema rate was the highest nationally. On average, an Oregonian died from CLRD every 4.9 hours.

Unintentional Injuries

The unintentional injury death rate changed little during 2004, increasing slightly to 39.7 per 100,000 population over the previous year's rate of 39.2.⁵ [Table 6-3 and Figure 6-10]. Fatal unintentional injuries claimed 1,423 Oregonians, and contributed to the deaths of another 613 residents. The age-adjusted death rate was 38.8 compared to 38.3 year earlier. Unintentional injuries were the fifth leading cause of death of Oregonians.

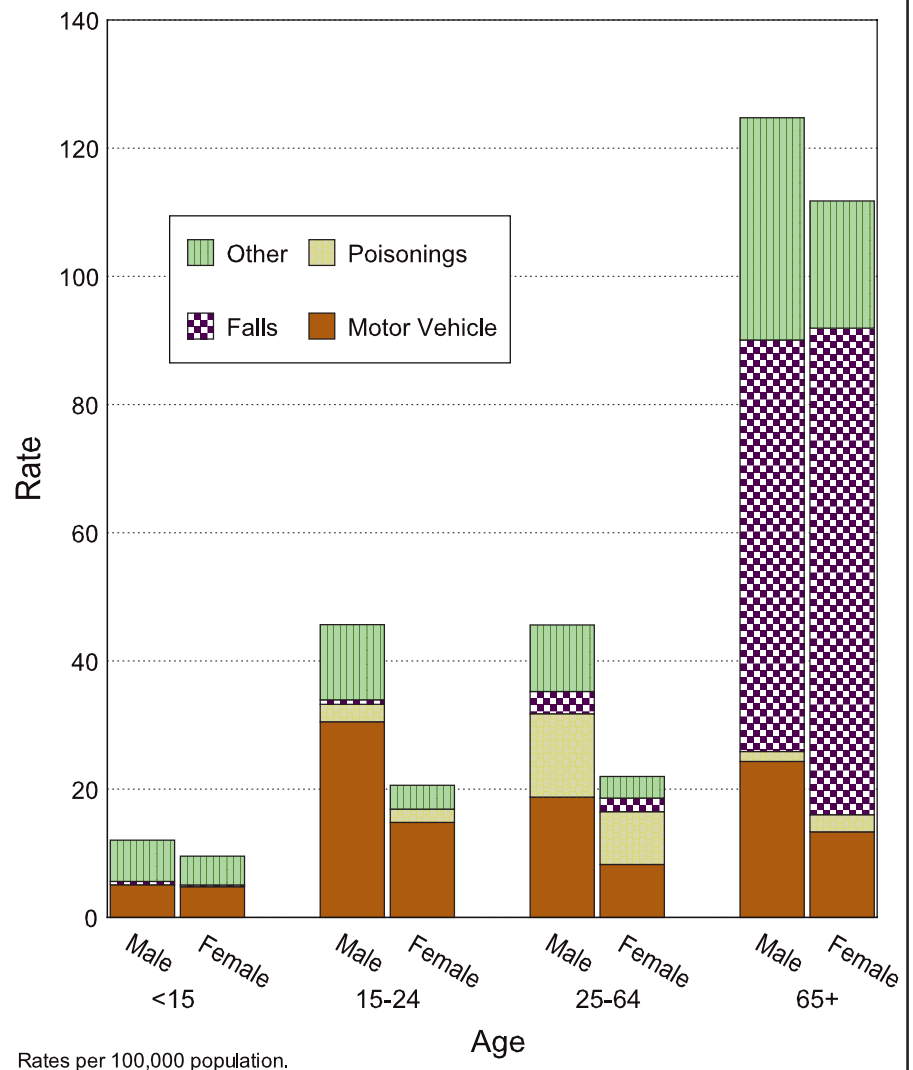


***Unintentional injuries
accounted for more
years of potential
life lost than any
other cause.***

A strong gender dichotomy exists in unintentional injury deaths. The age-adjusted death rates revealed that males were nearly twice as likely to die in this manner as were females (50.1 versus 28.8). [Table 6-43m and Table 6-43f].

Unintentional injuries were the leading cause of death among children and adults ages 1-44 years (Figure 6-11) with the age-specific rates relatively invariant from the midteens until middle age. During the “golden years,” however, the risk of falling led to a greatly increased unintentional injury death rate. [Figure 6-12]. Although the fifth leading cause of death, unintentional injuries accounted for more years of potential life lost (25,424) than any other cause, reflecting its role as the most common killer of young Oregonians. The median age at death has trended upward since the mid-1990s, reaching 54 in 2002, but falling since to 52 in 2004. By comparison, the median age at death in 1995 was 42.

Figure 6-12.
Unintentional Injury Death Rates by Age and Type of Injury,
Oregon Residents, 2004



During the past several decades, Oregon's unintentional injury death rate has, nearly without exception, been higher than that of the nation's. More recently, however, the difference has been small; in 2003, the state's age-adjusted death rate was just 3.1 percent higher than the U.S. rate and ranked 28th among the states and District of Columbia. Every 6.2 hours, on average, an Oregonian succumbed to an unintentional injury.

Forty-eight Oregonians died on the job in 2004. The victims were overwhelmingly male (41 versus 7 females) with motor vehicle crashes and falls accounting for most of the deaths. [Table 6-46].

Just as leading causes of death vary within different age groups, so does the type of fatal unintentional injury. [Figure 6-12]. Unintentional injury deaths occurring to children under age 5 most commonly resulted from suffocation and motor vehicle crashes. Beginning at age 5 and through age 74 (with one exception) motor vehicle crashes predominated; the exception occurred among 45- to 54-year-olds where poisoning (usually of drugs used in an illicit manner) was most common. Oregonians 75 or older were most vulnerable to falls.

Motor vehicle accidents/crashes (MVAs/MVCs) pose the greatest risk of fatal injuries to Oregon residents. In fact, transportation-related injuries accounted for 37.5 percent of all unintentional injury deaths with nine out of 10 of these resulting from motor vehicle crashes. [Table 6-23]. Of the 484 MVCs, nearly two-thirds occurred among males and one-fourth among residents ages 15-24. In rank order, the MVC death rates were highest for residents ages 85+, 15-24, and 75-84. [Table 6-6]. In most deadly Oregon traffic accidents, the fatalities occurred among persons traveling by car (243), pickup truck/van (64) or foot (65). Less common were the deaths of motorcyclists (42) and pedal cyclists (14). Interestingly, while one in five (20.2%) of all fatalities occurring among persons in cars resulted from noncollisions (i.e., rollovers following loss of control), one in four (28.1%) of the fatalities occurring among persons in pickups or vans involved noncollisions.

Falls, the second most common type of fatal unintentional injury, claimed 381 Oregonians, most of whom (78.0%) were 75 or older. About half of all falls occurred on the same level, most commonly from slipping or tripping. Eighteen involved falls from stairs/steps, 17 from beds, and 11 each from a chair or wheelchair. Among adults 75 or more years of age, falls were the most common type of unintended fatal injury. [Table 6-23]. The age-adjusted death rates revealed that males were at a 20.2 percent greater risk of suffering a fatal fall than were females. [Table 6-43m and Table 6-43f].

Unintentional poisonings involving drugs/medications, most often by narcotics and hallucinogens, ranked third among the types of fatal unintentional injuries. [Table 6-23]. Although 224 deaths

***Two-fifths of all
unintentional injury
deaths resulted from
motor vehicle crashes.***

***Falls accounted for
two-thirds of all
unintentional injury
fatalities among
the elderly.***

During the past five years, the risk of death from poisoning has doubled for females.

The Alzheimer's disease death rate has increased 18 out of the last 20 years.

were attributed to this category, it alone does not account for all deaths resulting from overdoses/poisonings; depending on how the fatality was reported on the death certificate, the death could be attributed to an unintentional injury or to a mental/behavioral disorder (see the first footnote of Table 6-31). Additional poisoning deaths are classified as suicides or of undetermined intent.

The age-adjusted death rates indicate that males were 49.0 percent more likely than females to die from unintentional overdoses/poisonings. (During the five-year period 2000-2004, the age-adjusted death rate for females increased annually, from 2.2 per 100,000 to 4.9.) These types of deaths were most common among residents 35-54 years of age.

Ranking fourth, drownings (including those involving watercraft) accounted for the deaths of 59 residents. [Table 6-41]. In Oregon, drownings not involving watercraft were most common (58). Of these, most (41) occurred in natural water with the remainder (among the specified sites) having occurred in bathtubs/hot tubs (8) and swimming pools (3).

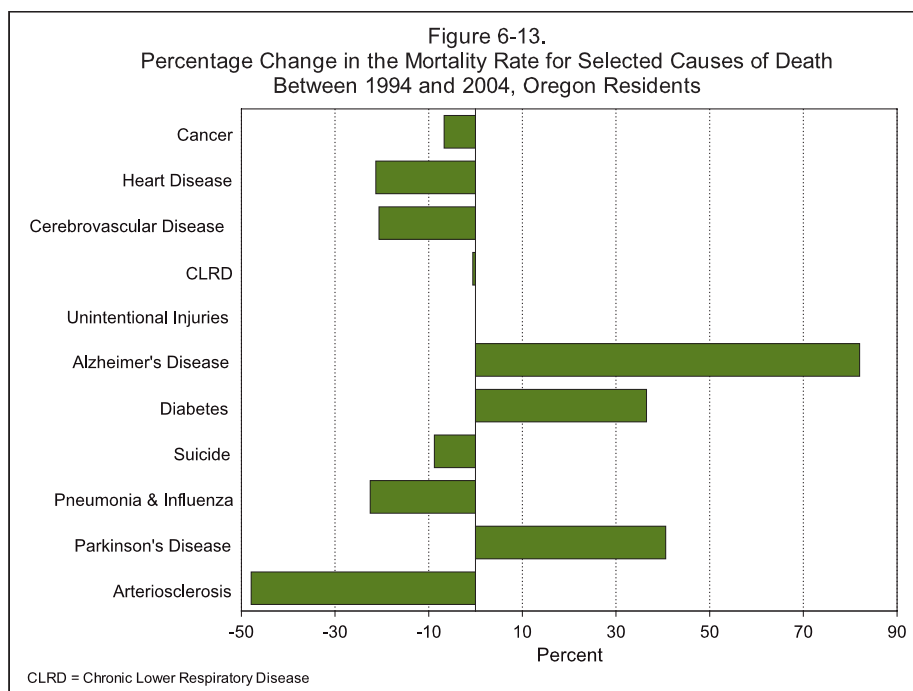
Alzheimer's Disease

Mirroring the aging of Oregon's population has been the seemingly inexorable rise in the number of deaths from Alzheimer's disease. Since 1990, the death rate has more than doubled, the largest increase among the leading causes of death. [Figure 6-13]. During 2004, the tangles and plaques characteristic of this disease led to the deaths of 1,263 Oregonians and a record high death rate of 35.3 per 100,000 population. The age-adjusted death rate was 33.4, up from 30.5 a year earlier. Alzheimer's disease also contributed to the deaths of 465 residents (where it was not the underlying cause).

Women have long been at greater risk of dying from this disease, in part because they are less likely to die from causes of death that most commonly claim their victims at younger ages. The age-adjusted death rate for women was 12.7 percent higher than that for men (34.7 versus 30.8). Alzheimer's disease is the eighth leading cause of death among men but fifth among women.

This devastating disorder takes years to claim its victims' lives; more than nine in 10 of the deaths occurred after the decedent's 75th birthday. [Table 6-6]. Concomitant with the high median age at death (86) was a minimal number (36) of years of potential life lost. Alzheimer's disease is the fifth leading cause of death among residents ages 75-84 and the fourth leading cause among those 85 or older.

Oregonians have long been more likely to die from Alzheimer's disease than other US residents. In 2003, the state's age-adjusted death rate was 34.1 percent higher than the nation's and ranked seventh highest among the states and District of Columbia. On average, an Oregonian succumbed to Alzheimer's disease every 6.9 hours.



Although deaths resulting from Alzheimer's disease and Alzheimer's dementia are counted here, deaths attributed to dementia, organic dementia, presenile dementia and vascular dementia are included in ICD-10 codes F01 (vascular dementia) and F03 (unspecified dementia). There were 755 such deaths during 2004.

Oregon's Alzheimer's disease death rate ranked seventh highest among the states.

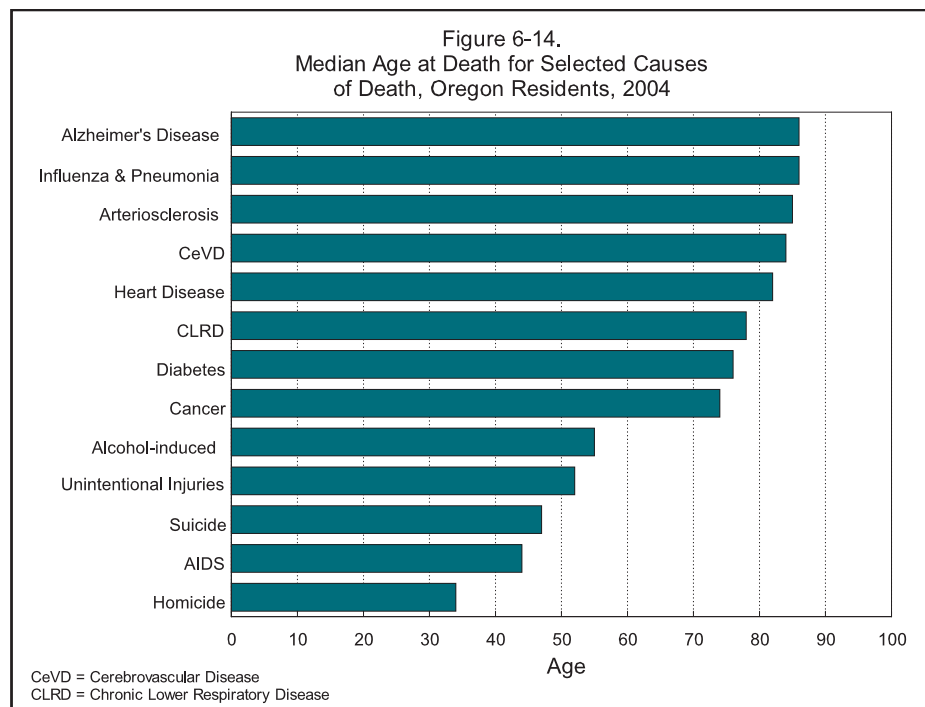
Diabetes Mellitus

In 2004, diabetes mellitus was the seventh leading cause of death (1,072 deaths). Although the death rate for diabetes increased nearly every year during 1985-2001, it has changed little since then. Nonetheless, the rate edged up slightly from 29.1 in 2003 to 29.9 per 100,000 population, a record high. The age-adjusted death rate was 29.0, also a record high. Diabetes was a contributing factor more often than it was the underlying cause of death, 2,235 versus 1,072.

Although the crude death rates for males and females were similar, age-adjusted death rates showed that males were at a 39.9 percent greater risk of death from diabetes (34.7 versus 24.8). [Table 6-43m and Table 6-43f]. Diabetes was the sixth leading cause of death for males and seventh for females.

Oregon's diabetes death rate continues to worsen vis-a-vis the U.S. rate.

Four Oregonians younger than 25 died from diabetes, but 86.8 percent of all deaths occurred after age 54. It was the fourth leading cause of death among Oregonians ages 55-64 and the fifth leading cause of death among those 65-74 years of age. The median age at death was 76, one of the lowest ages recorded among the natural causes of death. [Table 6-13]. Diabetes resulted in the loss of 3,528 years of potential life.



A generation ago, the state's age-adjusted diabetes death rate was consistently 25-30 percent lower than the nation's. The Oregon advantage gradually diminished thereafter, and in 1997, for the first time, Oregon's rate exceeded the US rate (by 1.3 percent). The gap has continued to widen, and in 2003, Oregon's rate was 7.5 percent higher than the US rate and ranked 21st among the states and District of Columbia. Every 8.2 hours, on average, an Oregonian died from diabetes.

Suicide

Suicide claimed the lives of 555 Oregonians during 2004, down from 589 deaths the year before. At same time, the crude death rate fell from 16.6 per 100,000 population to 15.5. Oregon's highest suicide rate was recorded during 1998: 17.4. The age-adjusted death rate was 15.2 for 2004 with the highest rate also recorded during 1998 (17.1).

Males have long been at a far greater risk of suicide than females; with age-adjusted death rates of 23.9 and 7.6, respectively, males were 3.1 times more likely to die by suicide, with gender-specific rate differences greatest among the elderly. [Table 6-43m and Table 6-43f, Table 6-7m and Table 6-7f]. Suicide was the seventh leading cause of death among males and 12th among females.

Overall, suicide rates peak among the elderly, but this masks a gender-based dichotomy: females were more likely to die by suicide in middle age, where the rate peaked at 15.3 among 45- to 54-year-olds, while rates among males increased sharply beginning at age 75, with the highest rate (103.0) recorded among those 85 or older. Although the overall suicide rate is highest among the elderly, most deaths (65.6%) occurred before age 55, resulting in

Among men, suicide was most common among the elderly; among females it was most common among the middle-aged.

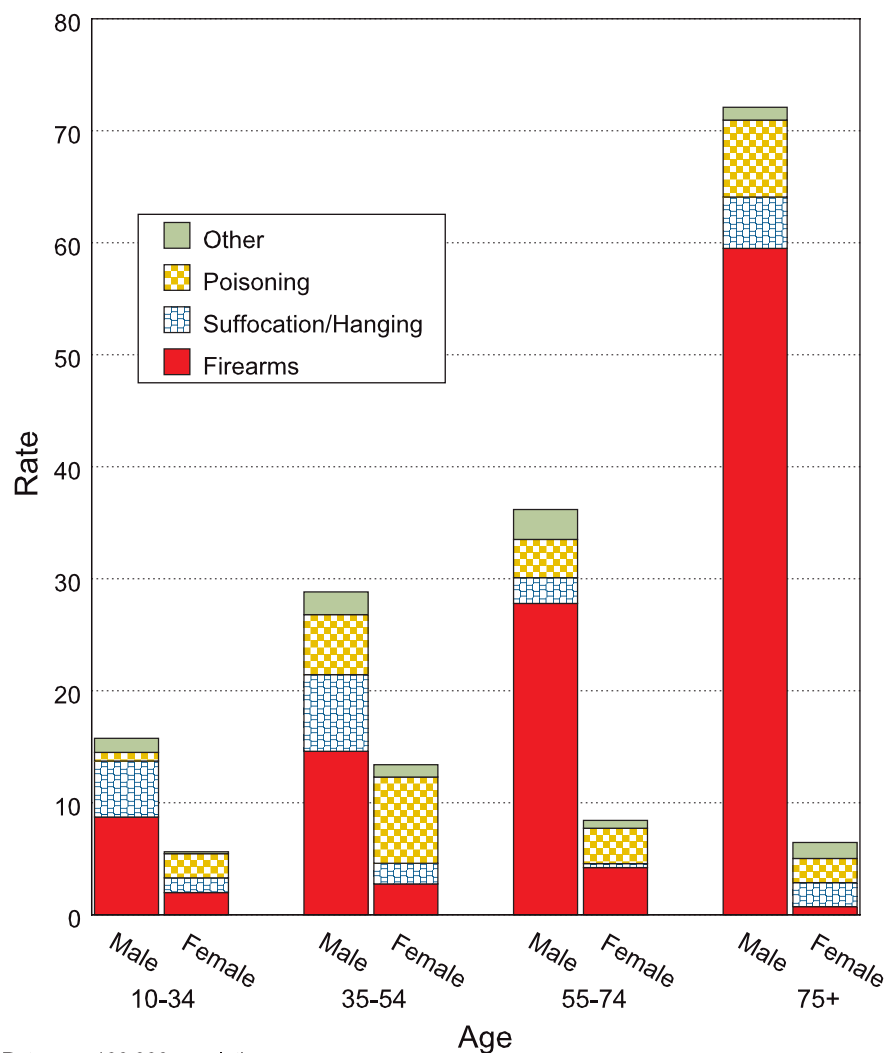
the fourth-largest number of years of potential life lost (10,614) by cause. Suicide was the second leading cause of death among residents ages 15-34 and third among those ages 35-44. The median age at death was 47 during 2004, down from 48 the previous year. The youngest person to die by suicide was a 13-year-old boy who shot himself with a handgun and the oldest a 99-year-old woman who hanged herself.

Oregonians have long had higher suicide rates than residents of most other states. In 2003, Oregon's age-adjusted suicide rate was 49.1 percent higher than the nation's and ranked eighth highest among the states and District of Columbia.³ On average, an Oregonian died by suicide every 15.8 hours in 2004.

The method of suicide varied by age and gender, but overall most (54.1%) deaths resulted from fatal gunshot injuries. [Table 6-29 and Figure 6-15]. Although most suicides were a result of

Oregon's suicide rate was 49 percent higher than the nation's.

Figure 6-15.
Suicide Death Rates by Method, Sex,
and Age Group, Oregon Residents, 2004



gunshot wounds, there was a considerable dichotomy by sex; six-tenths (62.7%) of males shot themselves, but only three-tenths (28.6%) of females did so. (Two-thirds of the gunshot fatalities resulted from the use of handguns.) Females were more likely to poison themselves (47.9%) than they were to shoot themselves, while males were much less likely to die by poisoning (11.8%). Moreover, there was a difference by gender in the type of poison used: 91.0 percent of all poisoning deaths by females involved medications compared to 65.3 percent of the poisoning deaths among males. Overall, one in five suicides (20.9%) involved poisoning. Hanging/suffocation was the third most common method of suicide (18.2%) with only a small difference in the proportion of males and females using this method.

Influenza and Pneumonia

In 2004, influenza/pneumonia claimed 554 Oregonians, the lowest number since 1991 when 552 residents succumbed to these infectious diseases. It slipped from the eighth leading cause of death in 2003 to ninth in 2004. At the same time, the crude death rate fell from 17.9 per 100,000 population to 15.5 and the age-adjusted rate from 17.0 to 14.7. Influenza/pneumonia contributed to almost three times as many deaths as it directly caused: 1,606.

Although more women than men died from these two infectious diseases in 2004 (303 versus 251), age-adjusted death rates revealed that males were still at a greater risk (18.2 per 100,000 population versus 12.8). [Table 6-43m and Table 6-43f]. Influenza/pneumonia ranked eighth among the leading causes of death for females and 10th for males.

These two related types of pulmonary infections claimed Oregonians in every age group, but eight in 10 of the deaths occurred after age 74. The median age at death was 86 (Figure 6-14) and the years of potential life lost was 864.

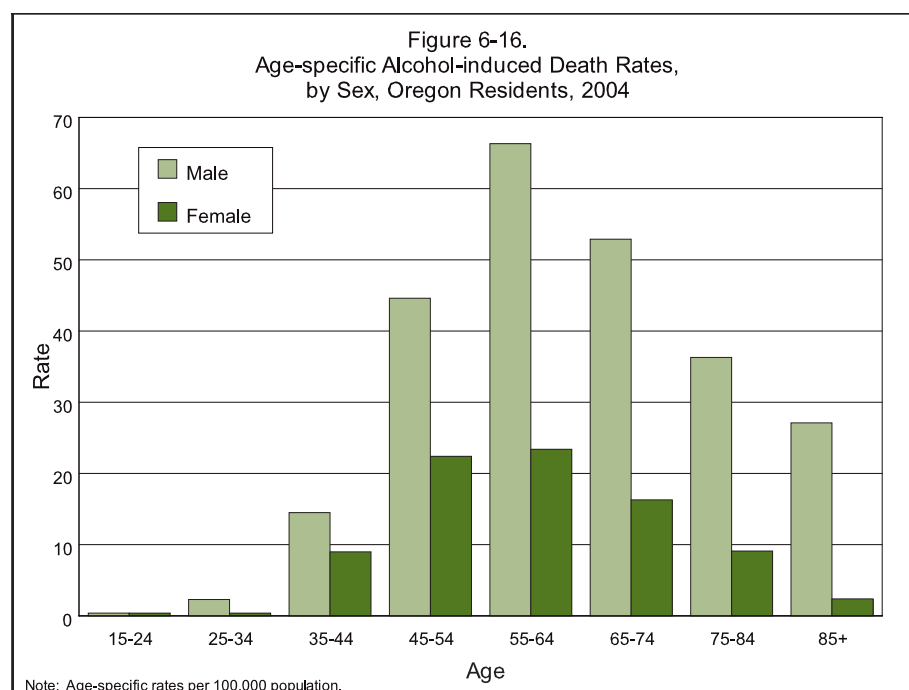
In recent years, Oregon's age-adjusted death rate has been markedly lower than the rates for most other states. In 2003, Oregon's age-adjusted death rate was 27.7 percent lower than the nation's and ranked 46th (i.e., sixth lowest, including the District of Columbia). Every 15.8 hours, on average, influenza or pneumonia claimed the life of an Oregonian.

In 1918, influenza swept across America in less than a week and around the world in three months. The pandemic persisted into 1919 with influenza the leading cause of death in Oregon during both years.

Alcohol-induced Deaths

Alcoholism (including related disorders and alcohol poisonings) claimed 510 Oregonians during 2004, making it the 10th leading cause of death.⁷ Alcohol was a factor in no fewer than 387 deaths, but did not directly cause the death. [Table 6-47]. The

***Oregon's influenza/
pneumonia death rate
was the sixth lowest
nationally.***



crude death rate for this group of allied conditions was 14.2 per 100,000 population, second only to the record high 14.6 recorded in 2003.

Fatal alcohol abuse was the ninth leading cause of death among men and 10th leading cause among women, but the difference is greater than this would suggest: the age-adjusted death rate for males was more than twice that for females, 20.0 versus 8.6, respectively.

Age-specific alcoholism rates peaked among residents ages 55-64. [Figure 6-16]. This disorder was the fourth leading cause of death among residents ages 45-54 years and the fifth leading cause of death among those ages 35-44 years and 55-64 years. Oregonians are dying at younger ages from alcohol-related conditions; the median age at death fell to a record low of 55 years during 2002 and has remained unchanged since. By comparison, the median age at death 15 years earlier was 61. Alcoholism was the seventh leading cause of premature death, accounting for 5,486 years of potential life lost.

The Oregon alcohol-induced death rate has long been higher than that for the United States. In 2003, Oregon's rate was 92.9 percent higher than the nation's and ranked fourth among the states. However, at least part of the difference between the state and the nation may result from a reporting artifact: while Oregon queries physicians for additional information when causes listed on death certificates are suggestive of alcohol use, such as esophageal varices, many states do not. Oregonians succumbed to alcohol-related causes every 17.2 hours, on average.

Alcohol-induced Deaths by Diagnosis	
Diagnosis	Count
Alcoholism	195
Nervous system degeneration	1
Cardiomyopathy	4
Gastritis	1
Fatty liver	2
Hepatitis	20
Cirrhosis of the liver	180
Hepatic failure	49
Unspecified liver disease	51
Chronic pancreatitis	6
Poisoning of undetermined intent	1

This category is comprised of alcohol-related disorders from multiple organ systems with cirrhosis of the liver accounting for the greatest number of deaths (40.8%). If intentional and unintentional injury deaths where alcohol was a factor (e.g., motor vehicle crashes and homicides) were included in this category, the count would be considerably higher. (The role, if any, of alcohol in injury deaths is rarely reported on death certificates.)

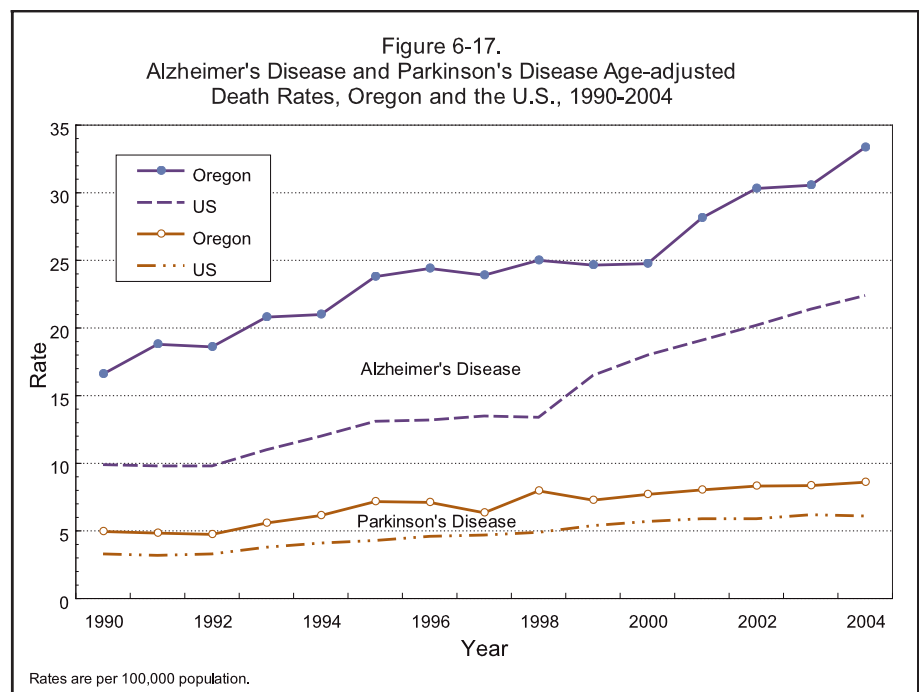
Parkinson's Disease

Ranking 12th among the leading causes of death during 2004, Parkinson's disease claimed 321 Oregon residents with the crude death rate reaching a record high of 9.0 per 100,000 population. The age-adjusted death rate was 8.6, also a record high. While the mortality rates for many major causes have fallen in recent decades, the rate for this neurological disorder has continued to trend upward. [Table 6-3].

The risk of death among males from Parkinson's disease was twice that of females; age-adjusted death rates were 13.3 and 5.7, respectively. [Table 6-43m and Table 6-43f]. Parkinsonism was the 11th leading cause of death among men and 13th among women.

Parkinson's disease claims almost exclusively persons 55 or older, although three younger Oregonians did die from the disorder during 2004. [Table 6-6]. The median age at death was 83 years, up from 82 the previous year, but has shown no clear trend during the previous decade, ranging between 81 and 83. As with many other causes with a high median age at death, the number of years of potential life lost were few: just 47 in 2004.

Oregon's Parkinson's disease death rate has continued to increase and ranked fifth highest nationally.



Oregon's age-adjusted Parkinson's disease death rate has long been higher than the nation's, as have two other neurological disorders, Alzheimer's disease and amyotrophic lateral sclerosis. [Figure 6-17]. During 2003, Oregon's rate was 30.6 percent higher than the US rate and ranked fifth highest among the states and District of Columbia. Every 27.3 hours, on average, a resident died from this disorder.

Arteriosclerosis

The decades-long trend of declining arteriosclerosis mortality continued in 2004, with the rate falling to a record low of 4.9 per 100,000 population. The age-adjusted death rate also fell to a record low, 4.6. With 174 deaths, arteriosclerosis was the 17th leading cause of death in 2004. However, the number of deaths attributed to arteriosclerosis does not include all deaths related to this cause since many have been classified to more specific manifestations of cardiac and cerebral disease.

Each year more women than men die from arteriosclerosis; however, age-adjusted death rates showed that males were at a greater risk of dying from this disease (5.2 versus 4.3) in 2004. [Table 6-43m and Table 6-43f]. Arteriosclerosis was the 20th leading cause of death among males and 14th among females.

More than four-fifths (83.3%) of the deaths occurred among those 75 or older. The median age at death for arteriosclerosis was 85 years, third-highest, following Alzheimer's disease and pneumonia/influenza at 86 years. Because most deaths attributed to arteriosclerosis do not occur until age 65 or older, the number of years of potential life lost is typically very small; in 2004, just 65 years were lost.

Oregon's age-adjusted arteriosclerosis death rate had long been notably higher than the nation's, but this difference has diminished somewhat in recent years. During 2003, the rate was 18.2 percent higher and ranked 12th among the states and District of Columbia. A resident died from arteriosclerosis every 2.1 days, on average.

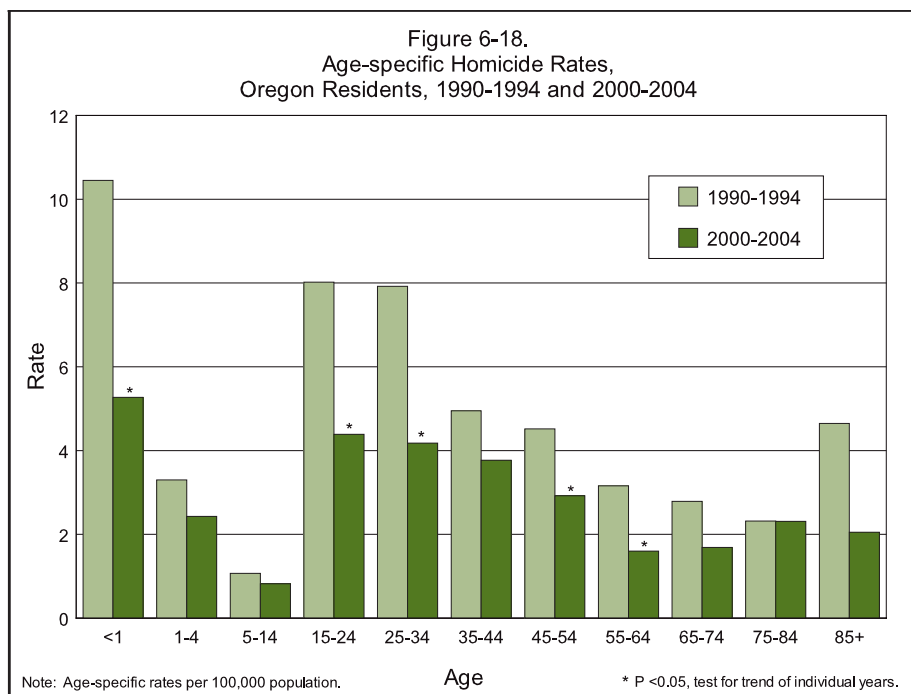
Homicide

After falling to a four-decade low rate of 2.6 per 100,000 population in 2003, Oregon's homicide rate increased 19.2 percent to 3.1.⁸ Even so, the rate for 2004 was less than one-half of that recorded in 1986 when a record high of 6.8 was reached. With 112 victims, homicide was the 21st leading cause of death during 2004. One death occurred while the decedent was at work.

Every year, more males than females are murdered—and 2004 was no exception. The male age-adjusted death rate (4.8) was 3.4 times higher than the rate (1.4) recorded for females. [Table 6-43m and Table 6-43f]. The age-adjusted rate for both genders was 3.1.

The arteriosclerosis death rate fell to a record low during 2004.

The national homicide rate is twice as high as Oregon's.



The age group with the highest homicide rate: Infants.

Number of homicide deaths by method:
Firearms – 64
Sharp objects – 16
Strangulation – 3
Blunt objects – 2

By age, infants were more likely to be homicide victims than Oregonians in any other age group; during 2000-2004, their homicide rate was 5.3 per 100,000 population compared to 4.4 for 15- to 24-year-olds and 4.2 for 25- to 34-year-olds. (Rates based on multiple years yield more representative values than those based on the relatively small numbers recorded for any single year.) During the past decade (1990-94 versus 2000-04), the infant homicide rate fell by half (49.6%), a statistically significant decline. Statistically significant declines for other age groups are indicated with an asterisk in Figure 6-18. Homicide was one of the five leading causes of death among residents ages 1-34. The median age at death for homicide victims was 34 years, unchanged from the previous year and the lowest among the leading causes (except for causes associated with infancy). With 3,446 years of potential life lost, homicide was the ninth leading cause of premature death.

Historically, Oregon's homicide death rate has been among the lowest in the nation. During 2003, the state's rate was 59.0 percent lower and ranked 42nd (i.e., tenth lowest) among the states and District of Columbia. During 2004, an Oregonian was murdered every 3.3 days.

Firearms are unrivaled as an implement of homicide, accounting for nearly six in 10 of all such deaths, and, of those, two-thirds resulted from injuries from handguns.

AIDS/HIV

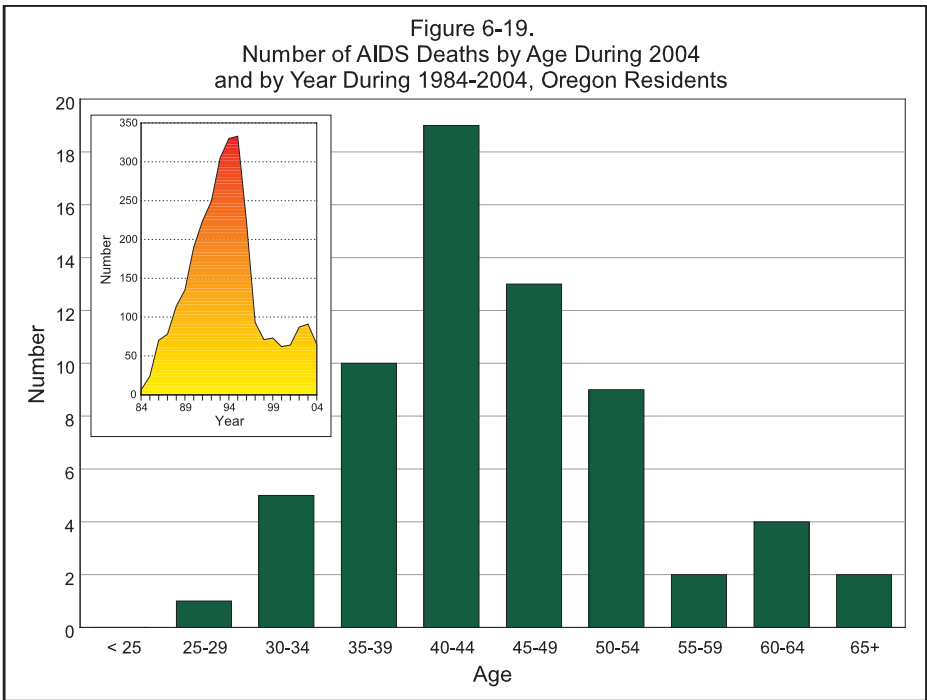
After peaking at 360 deaths in 1995, the number of AIDS/HIV deaths declined to a low of 62 in 2000 with the age-adjusted death rate falling from 12.3 per 100,000 population to 1.8. Both the number and rate of AIDS/HIV deaths increased during 2001-2003, but during 2004 the count fell to 65 and the rate matched the record low of 1.8.

Among the leading causes of death, there's no stronger dichotomy by sex and the risk of death than there is with AIDS/HIV. With age-adjusted rates of 3.2 and 0.5, respectively, males were over six times more likely to die from this cause.

Age-specific death rates rose sharply in early adulthood reaching 5.2 per 100,000 in 35- to 44-year olds, before declining to 4.1 among 45- to 54-year-olds, and then diminishing markedly among older age groups. [Figure 6-19]. These rates are driven largely by deaths among males. The years of potential life lost were 1,270 and the median age at death 44 years, one year less than that recorded during 2003. A decade earlier, half of all deaths occurred by age 40.

Oregon's AIDS/HIV age-adjusted death rate has long been lower than the nation's and in 2003 was 44.7 percent lower than the national rate, ranking 26th among the states and District of Columbia. On average, a resident died every 5.6 days from this disease.

Males were six times more likely to die from AIDS than were females.



Drug-induced Deaths

During 2004, nearly as many deaths were attributed to drug-related causes as were attributed to alcohol, 471 versus 510.⁹ (Because of a considerable overlap between the drug-induced death category and other cause of death categories, it is not counted among the leading causes of death. Nevertheless, with a death rate of 13.1 per 100,000 population, drugs/poisonings represent a significant cause of mortality among Oregonians.)

Males were more likely than females to die as a consequence of drug use, but not greatly so; the death rates were 15.0 and 11.3, respectively.

The risk of death from drug use increased from adolescence through middle age, peaking at 27.0 among residents ages 45-54. [Table 6-7t]. More than half of all drug-induced deaths (58.4%) occurred among residents ages 35-54.

This category includes ICD codes included in other cause of death rubrics, with the majority of deaths categorized as unintentional injuries (218), mental disorders (104), and suicide (93).

Deaths Due to Military Operations

The Oregon vital statistics data files do not include deaths to Oregon residents who died in military operations outside the United States. Death records of military personnel are registered with the US Department of Defense and are not forwarded to the decedant's state of residence. However, these deaths, (with the decedent's name, date of death, home city, age, and sex) are posted weekly on the Department of Defense's website (see source in table). They are presented here in tabular form for Oregon residents for 2003 and 2004.

Operation Iraqi Freedom and Operation Enduring Freedom, Oregon Resident Military Deaths, 2003-2004				
County	2003	2004	Age	2003 & 2004
Benton	1	1	<20	2
Clatsop	-	1	20-24	14
Klamath	-	2	25-29	6
Lincoln	-	1	30+	4
Linn	-	2	Total	26
Multnomah	3	6		
Polk	1	1		
Umatilla	1	1		
Washington	1	4		
Total	7	19		
			Sex	
			Males	26
			Females	-
			Total	26

Source: <http://siadapp.dior.whs.mil/personnel/CASUALTY/castop.htm>

ENDNOTES

1. US Central Intelligence Agency. The World Factbook: 2005. Office of Public Affairs. Washington, DC.
2. Periodically, the International Classification of Disease manual is revised. The 10th revision was implemented in 1999 resulting in: considerably greater detail for some causes (and less detail for others); shifts of inclusion in terms and titles from one category, section, or chapter to another; regrouping of diseases; new titles in sections; and, modification of the coding rules. As a result, serious breaks occurred in the comparability for a number of causes of death. Readers wishing to compare death rates (and/or number of deaths) for 1999 and subsequent years to prior years should use the final comparability ratios described in Appendix B. Comparability ratios have been applied to the data in tables 6-3 and 6-50.
3. The most recent available data is for 2003. Age-adjusted death rates where Oregon and the United States are compared use US Census Bureau population estimates, unlike the age-adjusted death rates used elsewhere in this report, where Portland State University Center for Population Research figures are used.
4. Statewide records of cause of death were first collected in 1908.
5. "Unintentional injuries" is preferred to the term "accidents" (ICD-10 V01-X59, Y85-Y86).
6. Note that residents choosing the "Death with Dignity" option are not counted here; they are included in the appropriate disease categories.
7. The Oregon Center for Health Statistics (OCHS) has included a category for alcohol-induced deaths since 1979. With the advent of ICD-10, Oregon included four causes of death that had not been included by the National Center for Health Statistics (NCHS): G72.1, K86.0, O35.4, and P04.3. In 2006, beginning with final 2003 data, NCHS added the following three ICD-10 codes to the list of alcohol-induced codes: E24.4, G72.1, and K86.0. In the interest of maintaining comparability with national data, OCHS has removed two ICD-10 codes that we previously included: O35.4, maternal care for damage to fetus from alcohol and P04.3, fetus/newborn affected by maternal alcohol use.

The complete list of causes of death attributable to alcohol-induced mortality now includes ICD-10 codes E24.4, Alcohol-induced pseudo-Cushing's syndrome; F10, Mental and behavioral disorders due to alcohol use; G31.2, Degeneration of nervous system due to alcohol; G62.1, Alcoholic polyneuropathy; G72.1, Alcoholic myopathy; 142.6, Alcoholic cardiomyopathy; K29.2, Alcoholic gastritis; K70, Alcoholic liver disease; K86.0, Alcohol-induced chronic pancreatitis; R78.0, Finding of alcohol in blood; X45, Accidental poisoning by and exposure to alcohol; X65, Intentional self-poisoning by and exposure to alcohol; and Y15, Poisoning by and exposure to alcohol, undetermined intent. Alcohol-induced causes excludes accidents, homicides, and other causes indirectly related to alcohol use. This category also excludes newborn deaths associated with maternal alcohol use.

Nationally, the number of deaths and death rates based on the newly modified list of causes may differ slightly from those previously published. For example, for 2002, the addition of the three codes increased the U.S. total number of deaths from alcohol-induced causes from 19,928 to 20,218 (an increase of 290) and increased the total crude death rate, although not significantly, from 6.9 to 7.0. The total age-adjusted rate remained the same.

Because, unlike drug-induced deaths, there's very little overlap between the components of the alcohol-induced category and other leading cause categories, OCHS, unlike NCHS, has included alcohol-induced deaths as a leading cause of death rather than as a supplemental rubric.

8. Unlike ICD-9, deaths resulting from legal intervention are no longer included in this category; see Table 6-34 for the number of deaths attributable to the actions of law enforcement officers.
9. In 2006, the National Center for Health Statistics released new definitions for both alcohol-induced deaths and drug-induced deaths. The code changes to the alcohol category were relatively minor, but those to the drug-induced category resulted in the inclusion of many more causes, although not a greatly increased number of deaths. The list of codes included in the drug-induced death category was expanded by NCHS to be more comprehensive. Specifically, the following 37 ICD-10 codes were added to the list of drug-induced codes: D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2, J70.3, J70.4, L10.5, L27.0, L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R78.1, R78.2, R78.3, R78.4, and R78.5. The Oregon Center for Health Statistics (OCHS) has done so, as well.

The complete list of causes of death attributable to drug-induced mortality now includes ICD-10 codes D52.1, Drug-induced folate deficiency anemia; D59.0, Drug-induced hemolytic anemia; D59.2, Drug-induced nonautoimmune hemolytic anemia; D61.1, Drug-induced aplastic anemia; D64.2, Secondary sideroblastic anemia due to drugs and toxins; E06.4, Drug-induced thyroiditis; E16.0, Drug-induced hypoglycemia without coma; E23.1, Drug-induced hypopituitarism; E24.2, Drug-induced Cushing's syndrome; E27.3, Drug-induced adrenocortical insufficiency; E66.1, Drug-induced obesity; selected codes from the ICD-10 title Mental and behavioral disorders due to psychoactive substance use, specifically, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9; G21.1, Other drug-induced secondary parkinsonism; G24.0, Drug-induced dystonia; G25.1, Drug-induced tremor; G25.4, Drug-induced chorea; G25.6, Drug-induced tics and other tics of organic origin; G44.4, Drug-induced headache, not elsewhere classified; G62.0, Drug-induced polyneuropathy; G72.0, Drug-induced myopathy; I95.2, Hypotension due to drugs; J70.2, Acute drug-induced interstitial lung disorders; J70.3, Chronic drug-induced interstitial lung disorders; J70.4, Drug-induced interstitial lung disorder, unspecified; L10.5, Drug-induced pemphigus; L27.0, Generalized skin eruption due to drugs and medicaments; L27.1, Localized skin eruption due to drugs and medicaments; M10.2, Drug-induced gout; M32.0, Drug-induced systemic lupus erythematosus; M80.4, Drug-induced osteoporosis with pathological fracture; M81.4, Drug-induced osteoporosis; M83.5, Other drug-induced osteomalacia in adults; M87.1, Osteonecrosis due to drugs; R78.1, Finding of opiate drug in blood; R78.2, Finding of cocaine in blood; R78.3, Finding of hallucinogen in blood; R78.4, Finding of other drugs of addictive potential in blood; R78.5, Finding of psychotropic drug in blood; X40-X44, Accidental poisoning by and exposure to drugs, medicaments, and biological substances; X60-X64, Intentional self-poisoning (suicide) by and exposure to drugs, medicaments, and biological substances; X85, Assault (homicide) by drugs, medicaments, and biological substances; and Y10-Y14, Poisoning by and exposure to drugs, medicaments and biological substances, undetermined intent. Drug-induced causes exclude accidents, homicides, and other causes indirectly related to drug use. Also excluded are newborn and maternal deaths associated with a mother's drug use.

The number of deaths and death rates based on the newly modified list of causes may differ slightly from those previously published. Nationally, for example, the addition of the 37 codes increased the total number of deaths from drug-induced causes from 26,018 to 26,040 (an increase of 22) for 2002; the total crude and age-adjusted death rates were unaffected.

**TABLE 6-1. Age-specific Death Rates by Sex, Oregon Residents,
1940, 1950, 1960, 1970, 1980, 1990, 1995, 2000-2004**

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
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
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
2000 Deaths	859.6	141.1	15.9	70.0	128.7	556.0	5,225.5
Male	850.6	172.7	16.7	101.4	160.8	682.3	5,589.8
Female	868.4	107.9	15.0	37.0	95.5	432.2	4,957.1
2001 Deaths	867.8	125.4	16.1	63.1	132.3	587.6	5,248.5
Male	853.5	132.1	18.1	94.3	170.3	700.1	5,595.7
Female	881.9	118.5	14.0	30.3	93.1	477.4	4,992.7
2002 Deaths	886.9	139.2	16.8	67.4	134.0	614.3	5,337.6
Male	879.8	133.0	16.0	99.8	169.7	752.8	5,724.3
Female	893.8	145.7	17.6	33.3	97.2	478.4	5,052.8
2003 Deaths	870.1	141.7	15.2	69.7	129.2	639.3	5,166.8
Male	863.7	150.4	16.6	96.3	167.0	798.4	5,476.8
Female	876.3	132.5	13.7	41.7	90.2	483.4	4,938.4
2004 Deaths	843.0	132.7	15.2	70.2	126.4	618.1	5,025.3
Male	837.5	156.6	17.5	95.1	158.6	754.2	5,374.4
Female	848.4	107.7	12.7	44.1	93.2	484.6	4,768.0

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 by Number, Rate, Percent, and Median Age at Death, Oregon, 2004

Cause of Death in Rank Order	No.	Rate ¹	Pct.	Median Age
Males	14,876	837.5	100.0	76
1. Malignant Neoplasms	3,713	209.0	25.0	73
2. Diseases of the Heart	3,384	190.5	22.7	79
3. Cerebrovascular Disease	933	52.5	6.3	82
4. Chronic Lower Respiratory Disease	877	49.4	5.9	77
5. Unintended Injuries	838	47.2	5.6	46
6. Diabetes Mellitus	542	30.5	3.6	74
7. Suicide	415	23.4	2.8	48
8. Alzheimer's Disease	410	23.1	2.8	85
9. Alcohol-induced	355	20.0	2.4	56
10. Influenza & Pneumonia	251	14.1	1.7	84
11. Parkinson's Disease	189	10.6	1.3	82
12. Nephritis, Nephrotic Syndrome, etc.	151	8.5	1.0	83
13. Hypertension & Renal Hypertension	138	7.8	0.9	83
14. Aortic Aneurysm	106	6.0	0.7	76
15. Pneumonitis Due to Solids & Liquids	94	5.3	0.6	87
16. Septicemia	92	5.2	0.6	76
17. Homicide	87	4.9	0.6	33
18. Neoplasms Not Known to be Malignant ...	84	4.7	0.6	79
19. Congenital Malformations	81	4.6	0.5	1
20. Arteriosclerosis	72	4.1	0.5	82
Females	15,325	848.4	100.0	81
1. Malignant Neoplasms	3,514	194.5	22.9	74
2. Diseases of the Heart	3,303	182.9	21.6	85
3. Cerebrovascular Disease	1,389	76.9	9.1	85
4. Chronic Lower Respiratory Disease	893	49.4	5.8	78
5. Alzheimer's Disease	853	47.2	5.6	87
6. Unintended Injuries	585	32.4	3.8	65
7. Diabetes Mellitus	530	29.3	3.5	78
8. Influenza & Pneumonia	303	16.8	2.0	87
9. Hypertension & Renal Hypertension	220	12.2	1.4	88
10. Alcohol-induced	155	8.6	1.0	53
10. Nephritis, Nephrotic Syndrome, etc.	155	8.6	1.0	81
12. Suicide	140	7.8	0.9	46
13. Parkinson's Disease	132	7.3	0.9	84
14. Arteriosclerosis	102	5.6	0.7	88
15. Neoplasms Not Known to Be Malignant ...	100	5.5	0.7	81
16. Septicemia	99	5.5	0.6	78
17. Aortic Aneurysm	93	5.1	0.6	81
18. Pneumonitis Due to Solids & Liquids	77	4.3	0.5	85
19. Congenital Malformations	55	3.0	0.4	34
19. Amyotrophic Lateral Sclerosis	55	3.0	0.4	72

¹ All Rates per 100,000 population.

**TABLE 6-3. Selected Leading Causes of Death with Rates,
Oregon Residents, 1985-2004**

Year	Total	Major Cardiovascular Disease			Malignant Neoplasms	Chronic Lower Respiratory Disease	Pneumonia and Influenza	Diabetes Mellitus
		Diseases of the Heart	Cerebrovascular Diseases	Arteriosclerosis				
Number of Deaths								
1985	23,824	8,071	2,100	417	5,460	1,142	584	323
1986	23,328	7,673	2,023	403	5,321	1,135	517	334
1987	24,181	7,819	2,056	425	5,646	1,284	518	403
1988	24,557	7,549	2,111	365	5,855	1,252	628	447
1989	24,679	7,371	2,107	343	5,873	1,324	644	459
1990	25,073	7,371	2,008	321	6,112	1,358	674	492
1991	24,935	7,033	2,105	297	6,326	1,409	552	550
1992	25,714	7,148	2,245	303	6,421	1,325	587	586
1993	27,596	7,539	2,313	329	6,684	1,661	707	654
1994	27,361	7,307	2,514	290	6,660	1,529	617	675
1995	28,190	7,418	2,608	288	6,887	1,520	627	719
1996	28,900	7,562	2,764	247	6,847	1,745	660	753
1997	28,750	7,389	2,712	229	6,853	1,716	634	832
1998	29,346	7,168	2,768	220	7,072	1,705	704	887
1999	29,356	7,252	2,817	198	6,904	1,762	684	855
2000	29,541	7,104	2,567	230	6,989	1,696	637	847
2001	30,128	7,086	2,604	195	7,091	1,743	576	1,033
2002	31,082	7,245	2,639	210	7,232	1,842	661	1,034
2003	30,813	7,008	2,548	205	7,217	1,818	633	1,032
2004	30,201	6,687	2,322	174	7,227	1,770	554	1,072
Rates ¹								
1985	890.4	301.7	78.4	15.5	204.1	42.7	21.8	12.0
1986	877.2	288.5	76.0	15.2	200.0	42.7	19.5	12.5
1987	898.9	290.6	76.5	15.8	209.9	47.7	19.2	15.0
1988	895.9	275.4	77.0	13.3	213.6	45.7	22.9	16.3
1989	884.2	264.1	75.5	12.3	210.4	47.5	23.1	16.4
1990	880.7	258.9	70.6	11.3	214.7	47.7	23.6	17.3
1991	851.0	240.1	71.8	10.1	215.9	48.1	18.8	18.8
1992	863.2	240.2	75.4	10.1	215.6	44.5	19.7	19.7
1993	908.4	248.2	76.1	10.8	220.0	54.7	23.3	21.5
1994	887.8	237.1	81.6	9.4	216.1	49.7	20.0	21.9
1995	900.1	236.8	83.3	9.2	219.9	48.5	20.0	22.9
1996	908.5	237.7	86.9	7.7	215.3	54.9	20.7	23.6
1997	893.7	229.7	84.3	7.1	213.1	53.3	19.7	25.9
1998	898.1	219.4	84.8	6.8	216.4	52.2	21.5	27.1
1999	889.4	219.7	85.3	6.0	209.1	53.4	20.7	25.9
2000	859.6	206.7	74.7	6.7	203.4	49.3	18.5	24.6
2001	867.8	204.1	75.0	5.6	204.3	50.2	16.6	29.8
2002	886.9	206.7	75.3	6.0	206.4	52.6	18.9	29.5
2003	870.1	197.9	71.9	5.8	203.8	51.3	17.9	29.1
2004	843.0	186.7	64.8	4.9	201.7	49.4	15.5	29.9

Note: Beginning in 1999, causes of death were classified using the rubrics and methodology of the tenth revision of the International Classification of Disease (which supplanted the ninth revision). Final comparability ratios have been applied to death rates for all causes except alcohol-induced deaths, Alzheimer's disease, and firearms, where they were not available/apposite to Oregon data. See the Technical Notes in Appendix B for further information. See annual reports prior to 2003 for unadjusted figures.

¹ All rates per 100,00 population.

**TABLE 6-3. Selected Leading Causes of Death with Rates,
Oregon Residents, 1985-2004 (Continued)**

Year	Alcohol-induced Deaths	Alzheimer's Disease	Parkinson's Disease	Acquired Immune Deficiency Syndrome	External Causes			
					Unintentional Injuries	Suicide	Homicide	Firearms (Any Manner)
Number of Deaths								
1985	308	200	105	26	1,237	418	118	325
1986	325	245	103	76	1,214	451	181	383
1987	311	309	112	84	1,215	401	157	348
1988	330	344	132	123	1,220	462	143	375
1989	334	355	131	146	1,180	460	142	391
1990	334	386	148	206	1,143	457	106	382
1991	306	462	145	242	1,038	461	126	363
1992	320	488	140	269	1,058	493	154	420
1993	363	550	171	330	1,215	473	142	392
1994	352	599	195	357	1,217	526	180	447
1995	358	688	234	360	1,325	527	154	439
1996	419	740	238	241	1,328	534	143	430
1997	382	718	216	101	1,313	539	125	428
1998	380	806	278	77	1,371	570	134	441
1999	304	868	256	73	1,144	499	109	391
2000	383	905	278	62	1,211	502	93	378
2001	431	1,038	293	64	1,257	524	107	360
2002	442	1,125	306	87	1,382	517	106	376
2003	518	1,149	310	91	1,388	589	91	393
2004	510	1,263	321	65	1,423	555	112	383
Rates ¹								
1985	11.5	7.5	3.9	1.0	46.2	15.6	4.4	12.1
1986	12.2	9.2	3.8	2.8	45.6	16.9	6.8	14.4
1987	11.6	11.5	4.1	3.1	45.2	14.9	5.8	12.9
1988	12.0	12.6	4.8	4.5	44.5	16.8	5.2	13.7
1989	12.0	12.7	4.7	5.2	42.2	16.4	5.1	14.0
1990	11.7	13.6	5.3	7.3	40.2	16.0	3.7	13.4
1991	10.4	15.8	4.9	8.2	35.5	15.7	4.3	12.4
1992	10.7	16.4	4.7	9.1	35.5	16.5	5.2	14.1
1993	11.9	18.1	5.7	10.8	40.0	15.5	4.7	12.9
1994	11.4	19.4	6.4	11.6	39.5	17.0	5.8	14.5
1995	11.4	22.0	7.5	11.5	42.3	16.8	4.9	14.0
1996	13.2	23.3	7.5	7.6	41.7	16.8	4.5	13.5
1997	11.9	22.3	6.7	3.1	40.8	16.7	3.9	13.3
1998	12.1	24.7	8.5	2.4	41.9	17.4	4.1	13.5
1999	9.2	26.3	7.8	2.2	34.7	15.1	3.3	11.8
2000	11.1	26.3	8.1	1.8	35.2	14.6	2.7	11.0
2001	12.4	29.9	8.4	1.8	36.2	15.1	3.1	10.4
2002	12.6	32.1	8.7	2.5	39.4	14.8	3.0	10.7
2003	14.6	32.4	8.8	2.6	39.2	16.6	2.6	11.1
2004	14.2	35.3	9.0	1.8	39.7	15.5	3.1	10.7

Note: Beginning in 1999, causes of death were classified using the rubrics and methodology of the tenth revision of the International Classification of Disease (which supplanted the ninth revision). Final comparability ratios have been applied to death rates for all causes except alcohol-induced deaths, Alzheimer's disease, and firearms, where they were not available/apposite to Oregon data. See the Technical Notes in Appendix B for further information. See annual reports prior to 2003 for unadjusted figures.

² Included legal intervention prior to 1999. Data shown now exclude legal intervention.

TABLE 6-4. Leading Causes of Death by Age Group and Sex, Oregon Residents, 2004

Cause of Death in Rank Order*	Both Sexes			Male		Female	
	No.	Rate	Pct.	No.	Rate	No.	Rate
All Ages							
Total	30,201	843.0	100.0	14,876	837.5	15,325	848.4
1. Malignant Neoplasms	7,227	201.7	23.9	3,713	209.0	3,514	194.5
2. Heart Disease	6,687	186.7	22.1	3,384	190.5	3,303	182.9
3. Cerebrovascular Disease	2,322	64.8	7.7	933	52.5	1,389	76.9
4. Chronic Lower Respiratory Disease	1,770	49.4	5.9	877	49.4	893	49.4
5. Unintentional Injuries	1,423	39.7	4.7	838	47.2	585	32.4
Under 1 Year							
Total	252	551.9	100.0	154	659.1	98	439.6
1. Perinatal Conditions	112	245.3	44.4	66	282.5	46	206.3
2. Congenital Malformations	64	140.2	25.4	40	171.2	24	107.7
3. Unintentional Injuries	20	43.8	7.9	11	47.1	9	40.4
4. SIDS	19	41.6	7.5	11	47.1	8	35.9
5. Injuries of Undetermined Intent	11	24.1	4.4	6	25.7	5	22.4
1-4 Years							
Total	51	27.9	100.0	29	31.0	22	24.7
1. Unintentional Injuries	24	13.1	47.1	15	16.1	9	10.1
2. Malignant Neoplasms	6	3.3	11.8	2	2.1	4	4.5
3. Congenital Malformations	5	2.7	9.8	3	3.2	2	2.2
3. Homicide	5	2.7	9.8	3	3.2	2	2.2
5. Heart Disease	1	0.5	2.0	—	—	1	1.1
5-14 Years							
Total	76	15.2	100.0	45	17.5	31	12.7
1. Unintentional Injuries	35	7.0	46.1	19	7.4	16	6.6
2. Malignant Neoplasms	10	2.0	13.2	7	2.7	3	1.2
3. Heart Disease	4	0.8	5.3	2	0.8	2	0.8
4. Congenital Malformations	3	0.6	3.9	3	1.2	—	—
4. Homicide	3	0.6	3.9	2	0.8	1	0.4
15-24 Years							
Total	350	70.2	100.0	243	95.1	107	44.1
1. Unintentional Injuries	167	33.5	47.7	117	45.8	50	20.6
2. Suicide	68	13.6	19.4	56	21.9	12	4.9
3. Homicide	26	5.2	7.4	23	9.0	3	1.2
4. Malignant Neoplasms	27	5.4	7.7	18	7.0	9	3.7
5. Injuries of Undetermined Intent	10	2.0	2.9	8	3.1	2	0.8
25-34 Years							
Total	388	78.4	100.0	268	104.8	120	50.2
1. Unintentional Injuries	139	28.1	35.8	107	41.9	32	13.4
2. Suicide	65	13.1	16.8	44	17.2	21	8.8
3. Malignant Neoplasms	34	6.9	8.8	19	7.4	15	6.3
4. Homicide	22	4.4	5.7	18	7.0	4	1.7
5. Heart Disease	19	3.8	4.9	13	5.1	6	2.5

— Quantity is zero.

TABLE 6-4. Leading Causes of Death by Age Group and Sex, Oregon Residents, 2004 — Cont'd

Cause of Death in Rank Order*	Both Sexes			Male		Female	
	No.	Rate	Pct.	No.	Rate	No.	Rate
35-44 Years							
All Causes	937	169.3	100.0	576	208.3	361	130.4
1. Unintentional Injuries	174	31.4	18.6	117	42.3	57	20.6
2. Malignant Neoplasms	146	26.4	15.6	66	23.9	80	28.9
3. Suicide	108	19.5	11.5	76	27.5	32	11.6
4. Heart Disease	96	17.3	10.2	59	21.3	37	13.4
5. Alcohol-induced	65	11.7	6.9	40	14.5	25	9.0
45-54 Years							
All Causes	2,123	398.8	100.0	1,339	505.9	784	292.9
1. Malignant Neoplasms	597	112.1	28.1	315	119.0	282	105.3
2. Heart Disease	303	56.9	14.3	230	86.9	73	27.3
3. Unintentional Injuries	197	37.0	9.3	132	49.9	65	24.3
4. Alcohol-induced	178	33.4	8.4	118	44.6	60	22.4
5. Suicide	121	22.7	5.7	80	30.2	41	15.3
55-64 Years							
All Causes	3,140	984.0	100.0	1,840	1,173.5	1,300	800.9
1. Malignant Neoplasms	1,191	373.2	37.9	609	388.4	582	358.5
2. Heart Disease	581	182.1	18.5	401	255.8	180	110.9
3. Chronic Lower Respiratory Disease	159	49.8	5.1	83	52.9	76	46.8
4. Diabetes Mellitus	151	47.3	4.8	93	59.3	58	35.7
5. Alcohol-induced	142	44.5	4.5	104	66.3	38	23.4
65-74 Years							
All Causes	4,766	2,088.8	100.0	2,574	2,433.3	2,192	1,791.0
1. Malignant Neoplasms	1,784	781.9	37.4	962	909.4	822	671.6
2. Heart Disease	939	411.5	19.7	575	543.6	364	297.4
3. Chronic Lower Respiratory Disease	459	201.2	9.6	228	215.5	231	188.7
4. Cerebrovascular Disease	245	107.4	5.1	116	109.7	129	105.4
5. Diabetes Mellitus	205	89.8	4.3	92	87.0	113	92.3
75-84 Years							
All Causes	8,794	5,246.5	100.0	4,305	6,244.1	4,489	4,549.4
1. Malignant Neoplasms	2,270	1,354.3	25.8	1,164	1,688.3	1,106	1,120.9
2. Heart Disease	2,059	1,228.4	23.4	1,077	1,562.1	982	995.2
3. Cerebrovascular Disease	778	464.2	8.8	355	514.9	423	428.7
4. Chronic Lower Respiratory Disease	692	412.8	7.9	339	491.7	353	357.7
5. Alzheimer's Disease	409	244.0	4.7	158	229.2	251	254.4
85+ Years							
All Causes	9,324	15,647.2	100.0	3,503	18,990.6	5,821	14,148.2
1. Heart Disease	2,670	4,480.7	28.6	1,016	5,508.0	1,654	4,020.1
2. Malignant Neoplasms	1,161	1,948.3	12.5	550	2,981.7	611	1,485.1
3. Cerebrovascular Disease	1,075	1,804.0	11.5	333	1,805.3	742	1,803.5
4. Alzheimer's Disease	787	1,320.7	8.4	223	1,208.9	564	1,370.8
5. Chronic Lower Respiratory Disease	414	694.8	4.4	199	1,078.8	215	522.6

* Many deaths among 15- to 54-year-olds result from drug use; the rank order of drug-induced deaths may be ascertained from the data in Table 6-31, but note that many of the deaths are included in the intentional and unintentional injury categories shown in this table.

Table 6-5. Deaths by Marital Status, Sex, and Age, Oregon Residents, 2004

Marital Status and Sex	Total	Age at Death							
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Total	30,201	379	130	220	167	221	339	598	887
Male	14,876	228	88	155	118	150	227	349	573
Female	15,325	151	42	65	49	71	112	249	314
Single	2,631	379	128	190	117	104	121	199	198
Male	1,678	228	86	135	89	80	91	142	150
Female	953	151	42	55	28	24	30	57	48
Married	11,651	—	2	26	34	75	128	216	346
Male	7,735	—	2	17	20	41	77	116	204
Female	3,916	—	—	9	14	34	51	100	142
Widowed	11,137	—	—	—	—	—	2	12	21
Male	2,909	—	—	—	—	—	1	2	3
Female	8,228	—	—	—	—	—	1	10	18
Divorced	4,666	—	—	2	16	40	83	165	310
Male	2,460	—	—	2	9	27	53	83	204
Female	2,206	—	—	—	7	13	30	82	106
Not Stated	116	—	—	2	—	2	5	6	12
Male	94	—	—	1	—	2	5	6	12
Female	22	—	—	1	—	—	—	—	—

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	1,236	1,443	1,697	2,030	2,736	3,835	4,959	4,652	4,672
Male	766	861	979	1,122	1,452	1,984	2,321	2,038	1,465
Female	470	582	718	908	1,284	1,851	2,638	2,614	3,207
Single	193	132	110	95	93	128	155	127	162
Male	151	84	71	63	57	77	79	55	40
Female	42	48	39	32	36	51	76	72	122
Married	562	757	912	1,138	1,464	1,820	1,971	1,448	752
Male	327	454	543	718	939	1,245	1,389	1,067	576
Female	235	303	369	420	525	575	582	381	176
Widowed	58	70	144	309	656	1,299	2,331	2,733	3,502
Male	13	16	44	73	172	381	623	794	787
Female	45	54	100	236	484	918	1,708	1,939	2,715
Divorced	411	475	515	474	514	576	494	339	252
Male	265	298	306	260	276	272	225	118	62
Female	146	177	209	214	238	304	269	221	190
Not Stated	12	9	16	14	9	12	8	5	4
Male	10	9	15	8	8	9	5	4	—
Female	2	—	1	6	1	3	3	1	4

— Quantity is zero.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	30,201	252	51	76	350	388	937	2,123	3,140	4,766	8,794	9,324
Male	14,876	154	29	45	243	268	576	1,339	1,840	2,574	4,305	3,503
Female	15,325	98	22	31	107	120	361	784	1,300	2,192	4,489	5,821
Infections & Parasitic Disease (A00-B99)	545	2	—	—	3	10	54	121	86	63	119	87
Male	309	2	—	—	2	6	40	86	51	34	53	35
Female	236	—	—	—	1	4	14	35	35	29	66	52
Tuberculosis (A16-A19)	9	—	—	—	—	—	1	—	—	4	4	—
Male	6	—	—	—	—	—	1	—	—	3	2	—
Female	3	—	—	—	—	—	—	—	—	1	2	—
Meningococcal infection (A39)	4	—	—	—	2	—	1	—	—	—	—	1
Male	3	—	—	—	2	—	1	—	—	—	—	—
Female	1	—	—	—	—	—	—	—	—	—	—	1
Septicemia (A40-A41)	191	—	—	—	1	3	7	20	25	30	54	51
Male	92	—	—	—	—	1	3	13	12	15	22	26
Female	99	—	—	—	1	2	4	7	13	15	32	25
Creutzfeldt-Jacob disease (A81.0)	5	—	—	—	—	—	—	—	2	—	3	—
Male	3	—	—	—	—	—	—	—	1	—	2	—
Female	2	—	—	—	—	—	—	—	1	—	1	—
Viral hepatitis (B15-B19)	107	—	—	—	—	—	10	49	28	12	7	1
Male	67	—	—	—	—	—	7	37	17	5	1	—
Female	40	—	—	—	—	—	3	12	11	7	6	1
HIV/AIDS (B20-B24) ²	65	—	—	—	—	6	29	22	6	1	1	—
Male	57	—	—	—	—	5	25	20	5	1	1	—
Female	8	—	—	—	—	1	4	2	1	—	—	—
Malignant Neoplasms (C00-C97)	7,227	1	6	10	27	34	146	597	1,191	1,784	2,270	1,161
Male	3,713	1	2	7	18	19	66	315	609	962	1,164	550
Female	3,514	—	4	3	9	15	80	282	582	822	1,106	611
Lip, oral cavity & pharynx (C00-C14)	94	—	—	—	—	1	2	8	18	27	27	11
Male	58	—	—	—	—	1	2	6	14	18	14	3
Female	36	—	—	—	—	—	—	2	4	9	13	8
Digestive Organs (C15-C26)	1,652	—	1	—	2	5	31	147	262	407	493	304
Male	901	—	—	—	1	2	20	97	165	242	250	124
Female	751	—	1	—	1	3	11	50	97	165	243	180
Esophagus (C15)	205	—	—	—	—	2	4	21	33	59	65	21
Male	161	—	—	—	—	2	3	19	29	45	48	15
Female	44	—	—	—	—	—	1	2	4	14	17	6

See footnotes at end of table.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Stomach (C16)	122	—	—	—	—	1	7	15	22	26	29	22
Male	65	—	—	—	—	—	4	8	14	14	15	10
Female	57	—	—	—	—	1	3	7	8	12	14	12
Colon, rectum & anus (C18-C21)	646	—	—	—	—	1	10	48	93	143	195	156
Male	328	—	—	—	—	—	7	28	49	79	98	67
Female	318	—	—	—	—	1	3	20	44	64	97	89
Colon (C18)	510	—	—	—	—	1	6	29	65	114	163	132
Male	264	—	—	—	—	—	4	20	29	63	86	62
Female	246	—	—	—	—	1	2	9	36	51	77	70
Rectosigmoid junction (C19)	40	—	—	—	—	—	1	1	9	5	11	13
Male	17	—	—	—	—	—	—	1	5	5	4	2
Female	23	—	—	—	—	—	1	—	4	—	7	11
Rectum (C20)	83	—	—	—	—	—	3	14	17	20	18	11
Male	45	—	—	—	—	—	3	7	13	11	8	3
Female	38	—	—	—	—	—	—	7	4	9	10	8
Liver & intrahepatic bile ducts (C22)	171	—	1	—	2	1	4	29	31	45	54	4
Male	115	—	—	—	1	—	3	21	25	32	31	2
Female	56	—	1	—	1	1	1	8	6	13	23	2
Pancreas (C25)	430	—	—	—	—	—	5	31	77	114	123	80
Male	196	—	—	—	—	—	3	20	44	61	47	21
Female	234	—	—	—	—	—	2	11	33	53	76	59
Respiratory, intrathoracic organs (C30-C39)	2,133	—	—	—	1	—	22	149	403	674	670	214
Male	1,135	—	—	—	1	—	9	94	214	364	351	102
Female	998	—	—	—	—	—	13	55	189	310	319	112
Larynx (C32)	43	—	—	—	—	—	—	4	12	10	15	2
Male	26	—	—	—	—	—	—	3	6	6	10	1
Female	17	—	—	—	—	—	—	1	6	4	5	1
Trachea, bronchus & lung (C33-C34)	2,075	—	—	—	1	—	21	142	387	660	653	211
Male	1,100	—	—	—	1	—	9	88	205	356	340	101
Female	975	—	—	—	—	—	12	54	182	304	313	110
Bronchus & lung (C34)	2,074	—	—	—	1	—	21	141	387	660	653	211
Male	1,099	—	—	—	1	—	9	87	205	356	340	101
Female	975	—	—	—	—	—	12	54	182	304	313	110
Skin (C43-C44)	152	—	—	—	2	—	7	18	30	28	45	22
Male	94	—	—	—	1	—	4	9	18	20	28	14
Female	58	—	—	—	1	—	3	9	12	8	17	8

See footnotes at end of table.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Melanoma of skin (C43)	120	—	—	—	1	—	7	18	28	22	32	12
Male	74	—	—	—	—	—	4	9	17	16	19	9
Female	46	—	—	—	1	—	3	9	11	6	13	3
Mesothelioma (C45)	38	—	—	—	—	—	—	—	3	10	19	6
Male	33	—	—	—	—	—	—	—	3	9	16	5
Female	5	—	—	—	—	—	—	—	—	1	3	1
Breast (C50)	515	—	—	—	—	4	23	79	110	90	124	85
Male	3	—	—	—	—	—	—	1	—	—	1	1
Female	512	—	—	—	—	4	23	78	110	90	123	84
Female genital organs (C51-C58)	376	—	—	—	1	—	11	39	71	77	115	62
Male	—	—	—	—	—	—	—	—	—	—	—	—
Female	376	—	—	—	1	—	11	39	71	77	115	62
Cervix uteri (C53)	29	—	—	—	—	—	4	5	10	7	3	—
Male	—	—	—	—	—	—	—	—	—	—	—	—
Female	29	—	—	—	—	—	4	5	10	7	3	—
Corpus uteri (C54-C55) ³	78	—	—	—	—	—	2	3	17	14	26	16
Male	—	—	—	—	—	—	—	—	—	—	—	—
Female	78	—	—	—	—	—	2	3	17	14	26	16
Ovary (C56)	244	—	—	—	1	—	4	28	41	48	81	41
Male	—	—	—	—	—	—	—	—	—	—	—	—
Female	244	—	—	—	1	—	4	28	41	48	81	41
Male genital organs (C60-C63)	415	—	—	—	2	1	3	9	31	64	184	121
Male	415	—	—	—	2	1	3	9	31	64	184	121
Female	—	—	—	—	—	—	—	—	—	—	—	—
Prostate (C61)	406	—	—	—	—	—	—	8	31	62	184	121
Male	406	—	—	—	—	—	—	8	31	62	184	121
Female	—	—	—	—	—	—	—	—	—	—	—	—
Kidney & renal pelvis (C64-C65)	158	—	—	—	1	—	—	17	31	37	46	26
Male	101	—	—	—	1	—	—	12	22	25	25	16
Female	57	—	—	—	—	—	—	5	9	12	21	10
Bladder (C67)	191	—	—	—	—	—	1	10	26	42	67	45
Male	138	—	—	—	—	—	—	8	21	28	47	34
Female	53	—	—	—	—	—	1	2	5	14	20	11
Brain, etc. (C70-C72) ⁴	207	1	1	1	1	7	7	37	55	46	34	17
Male	116	1	1	1	—	5	3	29	31	24	15	6
Female	91	—	—	—	1	2	4	8	24	22	19	11

See footnotes at end of table.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Thyroid/endocrine gland (C73-C75)	27	—	—	2	—	1	1	1	4	9	4	5
Male	15	—	—	1	—	—	1	1	—	5	4	3
Female	12	—	—	1	—	1	—	—	4	4	—	2
Lymphoid & hematopoietic (C81-C96)	740	—	4	4	9	10	23	54	78	152	254	152
Male	419	—	1	3	7	6	17	32	49	93	141	70
Female	321	—	3	1	2	4	6	22	29	59	113	82
Hodgkin's disease (C81)	11	—	—	—	—	2	3	2	—	1	3	—
Male	8	—	—	—	—	1	3	1	—	1	2	—
Female	3	—	—	—	—	1	—	1	—	—	1	—
Non-Hodgkin's lymphoma (C82-C85)	316	—	—	—	1	2	10	25	35	68	102	73
Male	180	—	—	—	1	2	7	15	19	44	58	34
Female	136	—	—	—	—	—	3	10	16	24	44	39
Leukemia (C91-C95)	267	—	4	4	8	6	9	18	26	48	90	54
Male	155	—	1	3	6	3	6	9	21	28	53	25
Female	112	—	3	1	2	3	3	9	5	20	37	29
Lymphoid leukemia (C91)	75	—	1	2	—	2	2	5	7	16	21	19
Male	51	—	1	2	—	2	2	4	6	9	16	9
Female	24	—	—	—	—	—	—	1	1	7	5	10
Myeloid leukemia (C92)	134	—	1	—	4	4	7	10	18	22	46	22
Male	75	—	—	—	4	1	4	3	14	13	25	11
Female	59	—	1	—	—	3	3	7	4	9	21	11
Multiple myeloma (C88, C90) ⁵	146	—	—	—	—	—	1	9	17	35	59	25
Male	76	—	—	—	—	—	1	7	9	20	28	11
Female	70	—	—	—	—	—	—	2	8	15	31	14
Neoplas. Not Specif. as Malig. (D00-D48) ⁶	184	—	—	2	1	1	3	7	16	27	62	65
Male	84	—	—	1	—	—	1	5	11	7	29	30
Female	100	—	—	1	1	1	2	2	5	20	33	35
Myelodysplastic syndromes (D46)	62	—	—	1	1	—	—	—	6	9	21	24
Male	35	—	—	1	—	—	—	—	5	2	12	15
Female	27	—	—	—	1	—	—	—	1	7	9	9
Diseases of the Blood (D50-89) ⁷	122	2	—	2	1	2	5	14	12	11	33	40
Male	53	1	—	1	—	1	3	9	5	4	12	17
Female	69	1	—	1	1	1	2	5	7	7	21	23
Anemias (D50-D64)	60	—	—	—	1	—	—	4	5	3	18	29
Male	26	—	—	—	—	—	—	3	2	1	10	10
Female	34	—	—	—	1	—	—	1	3	2	8	19

See footnotes at end of table.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Endocrine & Nutritional Dis. (E00-E88)⁸	1,379	—	2	3	3	11	49	127	195	248	426	315
Male	695	—	1	3	2	6	25	87	118	119	210	124
Female	684	—	1	—	1	5	24	40	77	129	216	191
Diabetes mellitus (E10-E14)	1,072	—	—	1	3	8	34	96	151	205	339	235
Male	542	—	—	1	2	4	19	67	93	92	175	89
Female	530	—	—	—	1	4	15	29	58	113	164	146
Nutritional deficiencies (E40-E64)	23	—	—	—	—	—	—	2	2	2	6	11
Male	12	—	—	—	—	—	—	1	2	—	4	5
Female	11	—	—	—	—	—	—	1	—	2	2	6
Malnutrition (E40-E46)	19	—	—	—	—	—	—	1	2	2	6	8
Male	10	—	—	—	—	—	—	1	2	—	4	3
Female	9	—	—	—	—	—	—	—	—	2	2	5
Mental Disorders (F01-F99)⁹	1,116	—	—	—	3	16	55	95	78	88	255	526
Male	470	—	—	—	—	12	46	69	67	50	87	139
Female	646	—	—	—	3	4	9	26	11	38	168	387
Organic dementia (F01, F03)	755	—	—	—	—	—	—	1	7	36	213	498
Male	218	—	—	—	—	—	—	1	5	16	67	129
Female	537	—	—	—	—	—	—	—	2	20	146	369
Due to alcohol (F10)¹⁰	195	—	—	—	1	3	25	62	54	32	14	4
Male	154	—	—	—	—	3	21	46	46	24	11	3
Female	41	—	—	—	1	—	4	16	8	8	3	1
Due to psychoactive substance (F11-F19)	106	—	—	—	1	12	26	25	12	12	14	4
Male	75	—	—	—	—	9	22	17	12	7	7	1
Female	31	—	—	—	1	3	4	8	—	5	7	3
Nervous System Disease (G00-G99)	1,995	1	3	8	14	14	27	50	85	180	668	945
Male	783	1	1	5	5	9	12	26	39	91	295	299
Female	1,212	—	2	3	9	5	15	24	46	89	373	646
Meningitis (G00, G03)	6	—	—	—	2	—	1	—	1	—	2	—
Male	—	—	—	—	—	—	—	—	—	—	—	—
Female	6	—	—	—	2	—	1	—	1	—	2	—
Amyotrophic lateral sclerosis (G12.2)	107	—	—	—	1	—	3	10	19	33	35	6
Male	52	—	—	—	1	—	2	7	7	17	15	3
Female	55	—	—	—	—	—	1	3	12	16	20	3
Parkinson's disease (G20-G21)	321	—	—	—	—	—	—	3	5	44	154	115
Male	189	—	—	—	—	—	—	2	4	30	93	60
Female	132	—	—	—	—	—	—	1	1	14	61	55

See footnotes at end of table.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Alzheimer's disease (G30)	1,263	—	—	—	—	—	—	1	7	59	409	787
Male	410	—	—	—	—	—	—	—	6	23	158	223
Female	853	—	—	—	—	—	—	1	1	36	251	564
Multiple sclerosis (G35)	62	—	—	—	—	—	6	10	23	12	10	1
Male	19	—	—	—	—	—	1	2	8	4	4	—
Female	43	—	—	—	—	—	5	8	15	8	6	1
Epilepsy (G40-G41)	21	—	—	2	2	4	4	2	2	—	2	3
Male	13	—	—	2	—	2	3	2	2	—	—	2
Female	8	—	—	—	2	2	1	—	—	—	2	1
Circulatory System Diseases (I00-I99)	9,945	12	1	6	9	34	133	407	764	1,326	3,127	4,126
Male	4,728	9	—	2	4	20	84	298	511	767	1,564	1,469
Female	5,217	3	1	4	5	14	49	109	253	559	1,563	2,657
Major cardiovascular disease (I00-I78)	9,880	10	1	6	9	33	132	404	753	1,316	3,110	4,106
Male	4,700	8	—	2	4	20	83	295	505	760	1,556	1,467
Female	5,180	2	1	4	5	13	49	109	248	556	1,554	2,639
Heart disease (I00-I09, I11, I13, I20-I51)	6,687	10	1	4	5	19	96	303	581	939	2,059	2,670
Male	3,384	8	—	2	3	13	59	230	401	575	1,077	1,016
Female	3,303	2	1	2	2	6	37	73	180	364	982	1,654
Rheumatic heart disease (I00-I09) ¹¹	63	—	—	—	—	—	1	3	9	7	30	13
Male	23	—	—	—	—	—	1	1	4	3	12	2
Female	40	—	—	—	—	—	—	2	5	4	18	11
Hypertensive heart disease (I11)	188	—	—	—	—	—	8	6	14	15	42	103
Male	61	—	—	—	—	—	5	4	9	8	14	21
Female	127	—	—	—	—	—	3	2	5	7	28	82
Hypertensive heart & renal dis. (I13)	36	—	—	—	—	—	—	1	1	7	9	18
Male	15	—	—	—	—	—	—	1	—	3	5	6
Female	21	—	—	—	—	—	—	—	1	4	4	12
Ischemic heart disease (I20-I25)	4,271	—	—	—	1	15	43	220	428	666	1,385	1,513
Male	2,416	—	—	—	1	12	30	176	309	445	791	652
Female	1,855	—	—	—	—	3	13	44	119	221	594	861
Myocardial infarction (I21-I22)	1,468	—	—	—	1	4	12	73	138	253	509	478
Male	791	—	—	—	1	3	8	51	92	165	284	187
Female	677	—	—	—	—	1	4	22	46	88	225	291
Other acute ischemic hrt. dis. (I24)	8	—	—	—	—	—	—	—	—	3	2	3
Male	3	—	—	—	—	—	—	—	—	2	1	—
Female	5	—	—	—	—	—	—	—	—	1	1	3

See footnotes at end of table.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Chronic isch. heart dis. (I20, I25)	2,795	—	—	—	—	11	31	147	290	410	874	1,032
Male	1,622	—	—	—	—	9	22	125	217	278	506	465
Female	1,173	—	—	—	—	2	9	22	73	132	368	567
Atheroscler. cardiovascular dis. ¹²	323	—	—	—	—	—	3	14	30	36	101	139
Male	159	—	—	—	—	—	2	13	22	26	41	55
Female	164	—	—	—	—	—	1	1	8	10	60	84
Other chr. ischemic heart dis. ¹³	2,472	—	—	—	—	11	28	133	260	374	773	893
Male	1,463	—	—	—	—	9	20	112	195	252	465	410
Female	1,009	—	—	—	—	2	8	21	65	122	308	483
Nonrheumatic mitral valve dis. (I34)	57	—	—	—	—	1	1	1	3	2	21	28
Male	20	—	—	—	—	—	—	1	1	—	8	10
Female	37	—	—	—	—	1	1	—	2	2	13	18
Nonrheumatic aortic valve dis. (I35)	307	—	—	—	—	—	1	3	10	21	92	180
Male	128	—	—	—	—	—	1	2	8	12	43	62
Female	179	—	—	—	—	—	—	1	2	9	49	118
Cardiomyopathy (I42)	209	2	1	2	1	1	16	18	30	44	49	45
Male	116	2	—	1	1	—	9	14	18	29	22	20
Female	93	—	1	1	—	1	7	4	12	15	27	25
Heart failure (I50)	733	2	—	—	—	—	2	3	21	65	210	430
Male	287	1	—	—	—	—	1	2	13	29	92	149
Female	446	1	—	—	—	—	1	1	8	36	118	281
Congestive heart failure (I50.0)	713	2	—	—	—	—	2	3	17	64	205	420
Male	277	1	—	—	—	—	1	2	9	28	90	146
Female	436	1	—	—	—	—	1	1	8	36	115	274
Left ventricular heart failure (I50.1)	—	—	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—	—	—
Heart failure, unspecified (I50.9)	20	—	—	—	—	—	—	—	4	1	5	10
Male	10	—	—	—	—	—	—	—	4	1	2	3
Female	10	—	—	—	—	—	—	—	—	—	3	7
Hypertension & hyp. renal dis. (I10, I12)	358	—	—	—	—	1	1	20	21	29	98	188
Male	138	—	—	—	—	—	1	16	13	10	39	59
Female	220	—	—	—	—	1	—	4	8	19	59	129
Cerebrovascular disease (I60-I69)	2,322	—	—	2	4	11	26	64	117	245	778	1,075
Male	933	—	—	—	1	5	18	38	67	116	355	333
Female	1,389	—	—	2	3	6	8	26	50	129	423	742

See footnotes at end of table.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Subarachnoid hemorrhage (I60)	69	—	—	—	3	4	4	18	15	11	9	5
Male	27	—	—	—	1	2	2	6	6	3	5	2
Female	42	—	—	—	2	2	2	12	9	8	4	3
Intracerebral hemorrhage (I61-I62) ¹⁴	375	—	—	—	1	3	12	24	34	61	134	106
Male	171	—	—	—	—	2	10	13	19	30	57	40
Female	204	—	—	—	1	1	2	11	15	31	77	66
Cerebral infarction (I63)	162	—	—	—	—	1	1	3	7	13	53	84
Male	59	—	—	—	—	1	1	3	6	8	22	18
Female	103	—	—	—	—	—	—	—	1	5	31	66
Stroke (type not specified) (I64)	1,194	—	—	1	—	1	5	16	45	123	397	606
Male	467	—	—	—	—	—	2	13	28	62	187	175
Female	727	—	—	1	—	1	3	3	17	61	210	431
Atherosclerosis (I70)	174	—	—	—	—	—	—	3	7	19	53	92
Male	72	—	—	—	—	—	—	1	4	12	25	30
Female	102	—	—	—	—	—	—	2	3	7	28	62
Aortic aneurysm & dissection (I71)	199	—	—	—	—	1	8	8	15	47	84	36
Male	106	—	—	—	—	1	5	6	11	27	44	12
Female	93	—	—	—	—	—	3	2	4	20	40	24
Diseases of arteries (I72-I78) ¹⁵	140	—	—	—	—	1	1	6	12	37	38	45
Male	67	—	—	—	—	1	—	4	9	20	16	17
Female	73	—	—	—	—	—	1	2	3	17	22	28
Respiratory System Diseases (J00-J99)	2,845	3	4	—	1	4	20	79	233	578	1,012	911
Male	1,414	3	3	—	—	2	11	50	125	301	489	430
Female	1,431	—	1	—	1	2	9	29	108	277	523	481
Influenza & pneumonia (J10-J18)	554	1	—	—	1	3	7	22	28	42	155	295
Male	251	1	—	—	—	1	2	15	17	22	69	124
Female	303	—	—	—	1	2	5	7	11	20	86	171
Influenza (J10-J11)	2	—	—	—	—	—	—	—	1	—	—	1
Male	2	—	—	—	—	—	—	—	1	—	—	1
Female	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonia (J12-J18)	552	1	—	—	1	3	7	22	27	42	155	294
Male	249	1	—	—	—	1	2	15	16	22	69	123
Female	303	—	—	—	1	2	5	7	11	20	86	171
Other acute lower resp. infect'ns (J20-J22)	—	—	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Acute bronchitis (J20-J21) ¹⁶	—	—	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—	—	—
Chronic lower respiratory dis. (J40-J47) ¹⁷	1,770	1	1	—	—	—	7	37	159	459	692	414
Male	877	1	1	—	—	—	5	21	83	228	339	199
Female	893	—	—	—	—	—	2	16	76	231	353	215
Bronchitis, chronic & unspec. (J40-J42)	10	—	—	—	—	—	—	—	2	2	3	3
Male	4	—	—	—	—	—	—	—	1	—	2	1
Female	6	—	—	—	—	—	—	—	1	2	1	2
Emphysema (J43)	234	—	—	—	—	—	1	3	32	69	89	40
Male	118	—	—	—	—	—	1	1	16	33	46	21
Female	116	—	—	—	—	—	—	2	16	36	43	19
Asthma (J45-J46)	49	—	1	—	—	—	4	4	8	8	15	9
Male	21	—	1	—	—	—	2	2	2	6	6	2
Female	28	—	—	—	—	—	2	2	6	2	9	7
Other CLRD (J44, J47)	1,477	1	—	—	—	—	2	30	117	380	585	362
Male	734	1	—	—	—	—	2	18	64	189	285	175
Female	743	—	—	—	—	—	—	12	53	191	300	187
Bronchiectasis (J47)	17	—	—	—	—	—	—	1	1	5	7	3
Male	3	—	—	—	—	—	—	—	—	2	1	—
Female	14	—	—	—	—	—	—	1	1	3	6	3
Pneumoconioses (J60-J66, J68) ¹⁸	11	—	—	—	—	—	—	—	2	4	4	1
Male	11	—	—	—	—	—	—	—	2	4	4	1
Female	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonitis due to solids & liquids (J69)	171	—	—	—	—	—	1	4	7	18	48	93
Male	94	—	—	—	—	—	1	4	4	11	21	53
Female	77	—	—	—	—	—	—	—	3	7	27	40
Digestive System Diseases (K00-K92)	1,148	—	—	—	3	7	68	179	159	160	258	314
Male	548	—	—	—	1	4	36	110	95	88	117	97
Female	600	—	—	—	2	3	32	69	64	72	141	217
Peptic ulcer (K25-K28)	63	—	—	—	1	—	1	3	4	14	18	22
Male	25	—	—	—	1	—	1	2	1	7	6	7
Female	38	—	—	—	—	—	—	1	3	7	12	15
Diseases of the appendix (K35-K38)	3	—	—	—	—	—	—	1	—	—	—	2
Male	1	—	—	—	—	—	—	1	—	—	—	—
Female	2	—	—	—	—	—	—	—	—	—	—	2

See footnotes at end of table.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Appendicitis (K35-K37)	3	—	—	—	—	—	—	1	—	—	—	2
Male	1	—	—	—	—	—	—	1	—	—	—	—
Female	2	—	—	—	—	—	—	—	—	—	—	2
Hernia (K40-K46)	23	—	—	—	1	—	3	1	1	3	7	7
Male	10	—	—	—	—	—	1	1	1	1	4	2
Female	13	—	—	—	1	—	2	—	—	2	3	5
Vascular disorders of the intestine (K55)	98	—	—	—	—	—	2	5	10	12	29	40
Male	36	—	—	—	—	—	2	5	4	4	10	11
Female	62	—	—	—	—	—	—	—	6	8	19	29
Chronic liver disease (K70, K73-K74) ¹⁹	387	—	—	—	—	6	44	122	102	65	37	11
Male	232	—	—	—	—	4	22	74	64	43	19	6
Female	155	—	—	—	—	2	22	48	38	22	18	5
Alcoholic liver disease (K70) ²⁰	302	—	—	—	—	4	38	111	86	42	19	2
Male	189	—	—	—	—	3	17	67	56	31	13	2
Female	113	—	—	—	—	1	21	44	30	11	6	—
Cholelithiasis (K80-K82) ²¹	58	—	—	—	—	—	3	5	1	4	19	26
Male	28	—	—	—	—	—	1	2	1	2	12	10
Female	30	—	—	—	—	—	2	3	—	2	7	16
Diseases of the Skin (L00-L98) ²²	34	—	—	—	—	1	2	1	7	5	5	13
Male	19	—	—	—	—	1	1	—	6	2	4	5
Female	15	—	—	—	—	—	1	1	1	3	1	8
Musculoskeletal Disease (M00-M99) ²³	222	—	—	—	2	1	4	13	15	34	59	94
Male	75	—	—	—	—	1	2	7	7	13	22	23
Female	147	—	—	—	2	—	2	6	8	21	37	71
Genitourinary System Dis. (N00-N99)	550	1	—	—	2	4	8	20	26	74	166	249
Male	243	—	—	—	1	2	4	12	13	24	81	106
Female	307	1	—	—	1	2	4	8	13	50	85	143
Nephritis (N00-N07, N17-N19, N25-N27) ²⁴	306	—	—	—	1	2	8	15	17	46	101	116
Male	151	—	—	—	—	1	4	10	7	14	54	61
Female	155	—	—	—	1	1	4	5	10	32	47	55
Acute nephrotic syndr. (N00-N01, N04) ²⁵	2	—	—	—	—	—	—	1	—	—	1	—
Male	1	—	—	—	—	—	—	1	—	—	—	—
Female	1	—	—	—	—	—	—	—	—	—	1	—
Chr. nephritis (N02-N03, N05-N07, N26) ²⁶	9	—	—	—	—	—	—	—	2	2	5	—
Male	5	—	—	—	—	—	—	—	—	1	4	—
Female	4	—	—	—	—	—	—	—	2	1	1	—

See footnotes at end of table.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Renal failure (N17-N19)	295	—	—	—	1	2	8	14	15	44	95	116
Male	145	—	—	—	—	1	4	9	7	13	50	61
Female	150	—	—	—	1	1	4	5	8	31	45	55
Kidney infect'ns (N10-N12, N13.6, N15.1)	15	—	—	—	—	—	—	1	—	1	4	9
Male	2	—	—	—	—	—	—	—	—	—	—	2
Female	13	—	—	—	—	—	—	1	—	1	4	7
Urinary tract infection (N59.0)	167	—	—	—	—	—	—	1	3	20	46	97
Male	48	—	—	—	—	—	—	—	2	6	15	25
Female	119	—	—	—	—	—	—	1	1	14	31	72
Hyperplasia of prostate (N40)	12	—	—	—	—	—	—	—	—	1	3	8
Male	12	—	—	—	—	—	—	—	—	1	3	8
Female	—	—	—	—	—	—	—	—	—	—	—	—
Female pelvic inflam. dis. (N70-N76)²⁷	1	—	—	—	—	—	—	—	—	—	—	1
Male	—	—	—	—	—	—	—	—	—	—	—	—
Female	1	—	—	—	—	—	—	—	—	—	—	1
Pregnancy & Childbirth (O00-O99)²⁸	6	—	—	—	1	2	3	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—	—	—
Female	6	—	—	—	1	2	3	—	—	—	—	—
Perinatal Conditions (P00-P96)	112	112	—	—	—	—	—	—	—	—	—	—
Male	66	66	—	—	—	—	—	—	—	—	—	—
Female	46	46	—	—	—	—	—	—	—	—	—	—
Congenital Malformations (Q00-Q99)²⁹	136	64	5	3	5	6	12	10	6	11	4	10
Male	81	40	3	3	4	5	6	4	2	8	2	4
Female	55	24	2	—	1	1	6	6	4	3	2	6
Malformation of the heart (Q20-Q24)	39	17	1	1	3	3	4	4	1	—	—	5
Male	28	14	1	1	2	3	3	2	—	—	—	2
Female	11	3	—	—	1	—	1	2	1	—	—	3
Other malf. of the circul. sys. (Q25-Q28)	12	3	—	1	—	—	2	—	—	3	2	1
Male	9	2	—	1	—	—	1	—	—	3	2	—
Female	3	1	—	—	—	—	1	—	—	—	—	1
Malf. of the respiratory system (Q30-Q34)	9	9	—	—	—	—	—	—	—	—	—	—
Male	7	7	—	—	—	—	—	—	—	—	—	—
Female	2	2	—	—	—	—	—	—	—	—	—	—
Symptoms & Signs (R00-R99)³⁰	416	20	1	2	2	2	22	31	34	39	79	184
Male	183	12	1	1	1	2	16	17	25	23	30	55
Female	233	8	—	1	1	—	6	14	9	16	49	129

See footnotes at end of table.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Senility (R54)	45	—	—	—	—	—	—	—	—	—	2	43
Male	14	—	—	—	—	—	—	—	—	—	1	13
Female	31	—	—	—	—	—	—	—	—	—	1	30
Sudden infant death syndrome (R95)	19	19	—	—	—	—	—	—	—	—	—	—
Male	11	11	—	—	—	—	—	—	—	—	—	—
Female	8	8	—	—	—	—	—	—	—	—	—	—
External Causes of Death (V01-Y89)	2,219	34	29	40	273	239	326	372	233	138	251	284
Male	1,412	19	18	22	205	178	223	244	156	81	146	120
Female	807	15	11	18	68	61	103	128	77	57	105	164
Accidents (V01-X59, Y85-Y86)	1,423	20	24	35	167	139	174	197	133	91	187	256
Male	838	11	15	19	117	107	117	132	79	43	99	99
Female	585	9	9	16	50	32	57	65	54	48	88	157
Transport accidents (V01-V99, Y85)	534	2	12	23	125	75	66	81	60	41	34	15
Male	357	1	7	12	86	60	43	57	38	23	22	8
Female	177	1	5	11	39	15	23	24	22	18	12	7
Motor vehicle acc. (Many codes) ³¹	489	2	11	23	114	70	62	71	54	34	34	14
Male	323	1	6	12	78	56	41	48	34	17	22	8
Female	166	1	5	11	36	14	21	23	20	17	12	6
Water transport accidents (V90-V94)	14	—	—	—	3	1	1	5	1	3	—	—
Male	10	—	—	—	2	—	—	5	—	3	—	—
Female	4	—	—	—	1	1	1	—	1	—	—	—
Air transport accidents (V95-V97)	10	—	—	—	4	2	—	1	3	—	—	—
Male	8	—	—	—	2	2	—	1	3	—	—	—
Female	2	—	—	—	2	—	—	—	—	—	—	—
Nontransport accidents (W00-X59, Y86)	889	18	12	12	42	64	108	116	73	50	153	241
Male	481	10	8	7	31	47	74	75	41	20	77	91
Female	408	8	4	5	11	17	34	41	32	30	76	150
Falls (W00-W19)	381	1	—	2	2	4	8	19	22	26	112	185
Male	161	1	—	1	2	3	5	11	14	10	50	64
Female	220	—	—	1	—	1	3	8	8	16	62	121
Firearms (W32-W34)	7	—	—	—	2	—	2	1	1	—	1	—
Male	7	—	—	—	2	—	2	1	1	—	1	—
Female	—	—	—	—	—	—	—	—	—	—	—	—
Drowning & submersion (W65-W74)	59	—	6	5	14	11	10	4	5	3	1	—
Male	42	—	3	2	13	7	8	3	3	2	1	—
Female	17	—	3	3	1	4	2	1	2	1	—	—

See footnotes at end of table.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Exposure to smoke & fire (X00-X09)	34	—	2	1	2	1	4	7	5	7	3	2
Male	20	—	2	—	1	1	3	5	3	2	2	1
Female	14	—	—	1	1	—	1	2	2	5	1	1
Poisoning (X40-X49) ³²	224	—	—	—	12	38	67	69	28	3	4	3
Male	134	—	—	—	7	28	41	43	12	1	1	1
Female	90	—	—	—	5	10	26	26	16	2	3	2
Suicide (X60-X84, Y87.0)	555	—	—	2	68	65	108	121	85	34	50	22
Male	415	—	—	1	56	44	76	80	66	29	44	19
Female	140	—	—	1	12	21	32	41	19	5	6	3
Poisoning (X60-X69)	116	—	—	—	8	10	31	40	16	2	6	3
Male	49	—	—	—	2	3	14	15	8	1	3	3
Female	67	—	—	—	6	7	17	25	8	1	3	—
Hanging/suffocation (X70)	101	—	—	1	16	23	29	18	6	1	4	3
Male	79	—	—	—	14	18	24	13	5	1	3	1
Female	22	—	—	1	2	5	5	5	1	—	1	2
Firearm discharge (X72-X74)	300	—	—	1	36	31	40	54	57	28	38	15
Male	260	—	—	1	33	22	34	45	48	25	37	15
Female	40	—	—	—	3	9	6	9	9	3	1	—
Homicide (X85-Y09, Y87.1)	112	3	5	3	26	22	19	20	4	6	4	—
Male	87	2	3	2	23	18	14	15	4	5	1	—
Female	25	1	2	1	3	4	5	5	—	1	3	—
Firearm discharge (X93-X95)	64	—	—	2	17	18	11	9	2	3	2	—
Male	53	—	—	2	15	15	10	6	2	3	—	—
Female	11	—	—	—	2	3	1	3	—	—	2	—
Legal intervention (Y35, Y89.0)	10	—	—	—	1	4	3	2	—	—	—	—
Male	9	—	—	—	1	4	3	1	—	—	—	—
Female	1	—	—	—	—	—	—	1	—	—	—	—
Undeterm. intent (Y10-Y34, Y87.2, Y89.9)	91	11	—	—	10	9	19	27	10	3	2	—
Male	54	6	—	—	8	5	12	14	6	2	1	—
Female	37	5	—	—	2	4	7	13	4	1	1	—
War and its sequelae (Y36, Y89.1) ³³	—	—	—	—	—	—	—	—	—	—	—	—
Male	—	—	—	—	—	—	—	—	—	—	—	—
Female	—	—	—	—	—	—	—	—	—	—	—	—
Medical care complica'ns (Y40-Y84, Y88)	28	—	—	—	1	—	3	5	1	4	8	6
Male	9	—	—	—	—	—	1	2	1	2	1	2
Female	19	—	—	—	1	—	2	3	—	2	7	4

See footnotes at end of table.

Table 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Total	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
<i>Injury by firearms (Many codes)</i> ³⁴	383	—	—	3	57	54	56	66	60	31	41	15
Male	331	—	—	3	52	42	49	53	51	28	38	15
Female	52	—	—	—	5	12	7	13	9	3	3	—
<i>Alcohol-induced deaths (Many codes)</i> ^{35,36}	510	—	—	—	2	7	65	178	142	76	34	6
Male	355	—	—	—	1	6	40	118	104	56	25	5
Female	155	—	—	—	1	1	25	60	38	20	9	1
<i>Drug-induced deaths (Many codes)</i> ^{37,38}	471	—	—	—	26	63	131	144	59	18	22	8
Male	266	—	—	—	13	39	80	78	32	10	11	3
Female	205	—	—	—	13	24	51	66	27	8	11	5
<i>Injury at work</i> ³⁹	51	—	—	—	4	6	8	14	10	7	1	1
Male	43	—	—	—	4	5	6	11	9	6	1	1
Female	8	—	—	—	—	1	2	3	1	1	—	—

1 International Statistical Classification of Diseases and Related Health Problems, Tenth Revision. Geneva: World Health Organization, 1992.

2 Human immunodeficiency virus/Acquired immune deficiency syndrome.

3 Including uterus, part unspecified.

4 Including meninges and other parts of the central nervous system.

5 Including immunoproliferative neoplasms.

6 Including in situ neoplasms, benign neoplasms, and neoplasms of uncertain or unknown behavior.

7 Including diseases of the blood forming-organs and disorders involving the immune mechanism.

8 Including metabolic diseases.

9 Including behavioral disorders.

10 For all deaths due to alcohol, see "Alcohol-induced deaths" at the end of the table.

11 Including acute rheumatic fever.

12 The ICD-10 code is I25.0.

13 Including angina, arteriosclerotic heart disease, coronary heart disease, and related disorders. The ICD-10 codes are I20, I25.1-I25.9.

14 Including other intracranial hemorrhages.

15 Including diseases of the arterioles and capillaries.

16 Including acute bronchiolitis.

17 Formerly chronic obstructive pulmonary disease (COPD).

18 Including respiratory conditions due to inhalation of chemicals, gases, fumes and vapors.

19 Including liver cirrhosis.

20 For all deaths due to alcohol, see "Alcohol-induced deaths" at the end of the table.

21 Including other diseases of the gallbladder.

22 Including subcutaneous tissues.

23 Including connective tissue.

24 Including nephrotic syndrome and nephrosis.

25 Including acute and rapidly progressive nephritic and nephrotic syndrome.

26 Including chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified.

27 Inflammatory diseases of female pelvic organs.

28 Including the puerperium.

- ²⁹ including congenital deformations and chromosomal abnormalities.
- ³⁰ Including abnormal clinical and laboratory findings not elsewhere classified.
- ³¹ Including the following ICD-10 codes: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.
- ³² Including exposure to noxious substances.
- ³³ Includes late effects of injuries sustained in war. (The deaths of Oregon residents who died outside the U.S. while on active-duty are not reported to Oregon's Center for Health Statistics by the U.S. Department of Defense.)
- ³⁴ Including accidental, suicidal, homicidal, and undetermined intent gunshot deaths (ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0). Note that this category includes injuries included in other cause of death categories.
- ³⁵ Including: alcoholic mental/behavioral disorders, degeneration of nervous system, polyneuropathy, alcoholic myopathy, cardiomyopathy, gastritis, liver disease, chronic pancreatitis, alcohol in the blood, accidental poisoning by alcohol, intentional self-poisoning, and poisoning of undetermined intent. Note that disorders included here are also included in other cause of death categories.
- ³⁶ The ICD-10 codes for the above categories are E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K86.0, R78.0, X45, X65, and Y15. respectively. (Note: The ICD-10 codes were changed for 2004 data causing minor differences in category totals.)
- ³⁷ Includes a variety of conditions affecting multiple organ systems, such as poisonings/overdoses and mental/behavioral disorders due to substance use/abuse. Other conditions, such as, drug-induced hypoglycemia and drug-induced Parkinsonism are also included here. Note that disorders included here are also included in other cause of death categories.
- ³⁸ The ICD-10 codes for the above categories are: D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, L10.5, L27.0-L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R78.1-R78.5, X40-X44, X60-X64, X85, Y10-Y14. (Note: The ICD-10 codes were changed for 2004 data causing some differences in category totals.)
- ³⁹ Recorded as a separate item on the death certificate by the Medical Examiner.
- Quantity is 0.

TABLE 6-7t. Total Death Rates for Selected Causes by Age, Oregon Residents, 2004

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	843.0	551.9	27.9	15.2	70.2	78.4	169.3	398.8	984.0	2,088.8	5,246.5	15,647.2
Infections & Parasitic Disease (A00-B99)	15.2	4.4	—	—	0.6	2.0	9.8	22.7	26.9	27.6	71.0	146.0
Tuberculosis (A16-A19)	0.3	—	—	—	—	—	0.2	—	—	1.8	2.4	—
Meningococcal infection (A39)	0.1	—	—	—	0.4	—	0.2	—	—	—	—	1.7
Septicemia (A40-A41)	5.3	—	—	—	0.2	0.6	1.3	3.8	7.8	13.1	32.2	85.6
Creutzfeldt-Jacob disease (A81.0)	0.1	—	—	—	—	—	—	—	0.6	—	1.8	—
Viral hepatitis (B15-B19)	3.0	—	—	—	—	—	1.8	9.2	8.8	5.3	4.2	1.7
HIV/AIDS (B20-B24) ³	1.8	—	—	—	—	1.2	5.2	4.1	1.9	0.4	0.6	—
Malignant Neoplasms (C00-C97)	201.7	2.2	3.3	2.0	5.4	6.9	26.4	112.1	373.2	781.9	1,354.3	1,948.3
Lip, oral cavity & pharynx (C00-C14)	2.6	—	—	—	—	0.2	0.4	1.5	5.6	11.8	16.1	18.5
Digestive organs (C15-26)	46.1	—	0.5	—	0.4	1.0	5.6	27.6	82.1	178.4	294.1	510.2
Esophagus (C15)	5.7	—	—	—	—	0.4	0.7	3.9	10.3	25.9	38.8	35.2
Stomach (C16)	3.4	—	—	—	—	0.2	1.3	2.8	6.9	11.4	17.3	36.9
Colon, rectum & anus (C18-C21)	18.0	—	—	—	—	0.2	1.8	9.0	29.1	62.7	116.3	261.8
Colon (C18)	14.2	—	—	—	—	0.2	1.1	5.4	20.4	50.0	97.2	221.5
Rectosigmoid junction (C19)	1.1	—	—	—	—	—	0.2	0.2	2.8	2.2	6.6	21.8
Rectum (C20)	2.3	—	—	—	—	—	0.5	2.6	5.3	8.8	10.7	18.5
Liver & intrahepatic bile ducts (C22)	4.8	—	0.5	—	0.4	0.2	0.7	5.4	9.7	19.7	32.2	6.7
Pancreas (C25)	12.0	—	—	—	—	—	0.9	5.8	24.1	50.0	73.4	134.3
Respiratory, intrathoracic org'ns (C30-C39)	59.5	—	—	—	0.2	—	4.0	28.0	126.3	295.4	399.7	359.1
Larynx (C32)	1.2	—	—	—	—	—	—	0.8	3.8	4.4	8.9	3.4
Trachea, bronchus & lung (C33-C34)	57.9	—	—	—	0.2	—	3.8	26.7	121.3	289.3	389.6	354.1
Bronchus & lung (C34)	57.9	—	—	—	0.2	—	3.8	26.5	121.3	289.3	389.6	354.1
Skin (C43-C44)	4.2	—	—	—	0.4	—	1.3	3.4	9.4	12.3	26.8	36.9
Melanoma of skin (C43)	3.3	—	—	—	0.2	—	1.3	3.4	8.8	9.6	19.1	20.1
Mesothelioma (C45)	1.1	—	—	—	—	—	—	—	0.9	4.4	11.3	10.1
Breast (C50)	14.4	—	—	—	—	0.8	4.2	14.8	34.5	39.4	74.0	142.6
Female genital organs (C51-58)	10.5	—	—	—	0.2	—	2.0	7.3	22.2	33.7	68.6	104.0
Cervix uteri (C53)	0.8	—	—	—	—	—	0.7	0.9	3.1	3.1	1.8	—
Corpus uteri (C54-C55) ⁴	2.2	—	—	—	—	—	0.4	0.6	5.3	6.1	15.5	26.9
Ovary (C56)	6.8	—	—	—	0.2	—	0.7	5.3	12.8	21.0	48.3	68.8
Male genital organs (C60-C63)	11.6	—	—	—	0.4	0.2	0.5	1.7	9.7	28.0	109.8	203.1
Prostate (C61)	11.3	—	—	—	—	—	—	1.5	9.7	27.2	109.8	203.1

See footnotes at end of table.

TABLE 6-7t. Total Death Rates for Selected Causes by Age, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Kidney & renal pelvis (C64-C65)	4.4	—	—	—	0.2	—	—	3.2	9.7	16.2	27.4	43.6
Bladder (C67)	5.3	—	—	—	—	—	0.2	1.9	8.1	18.4	40.0	75.5
Brain, etc. (C70-C72) ⁵	5.8	2.2	0.5	0.2	0.2	1.4	1.3	6.9	17.2	20.2	20.3	28.5
Thyroid/endocrine gland (C73-C75)	0.8	—	—	0.4	—	0.2	0.2	0.2	1.3	3.9	2.4	8.4
Lymphoid & hematopoietic (C81-C96)	20.7	—	2.2	0.8	1.8	2.0	4.2	10.1	24.4	66.6	151.5	255.1
Hodgkin's disease (C81)	0.3	—	—	—	—	0.4	0.5	0.4	—	0.4	1.8	—
Non-Hodgkin's lymphoma (C82-C85)	8.8	—	—	—	0.2	0.4	1.8	4.7	11.0	29.8	60.9	122.5
Leukemia (C91-C95)	7.5	—	2.2	0.8	1.6	1.2	1.6	3.4	8.1	21.0	53.7	90.6
Lymphoid leukemia (C91)	2.1	—	0.5	0.4	—	0.4	0.4	0.9	2.2	7.0	12.5	31.9
Myeloid leukemia (C92)	3.7	—	0.5	—	0.8	0.8	1.3	1.9	5.6	9.6	27.4	36.9
Multiple myeloma (C88, C90) ⁶	4.1	—	—	—	—	—	0.2	1.7	5.3	15.3	35.2	42.0
Neopla. Not Specif. As Malig. (D00-D48)⁷	5.1	—	—	0.4	0.2	0.2	0.5	1.3	5.0	11.8	37.0	109.1
Myelodysplastic syndromes (D46)	1.7	—	—	0.2	0.2	—	—	—	1.9	3.9	12.5	40.3
Diseases of the Blood (D50-89)⁸	3.4	4.4	—	0.4	0.2	0.4	0.9	2.6	3.8	4.8	19.7	67.1
Anemias (D50-D64)	1.7	—	—	—	0.2	—	—	0.8	1.6	1.3	10.7	48.7
Endocrine & Nutritional Dis. (E00-E88)⁹	38.5	—	1.1	0.6	0.6	2.2	8.9	23.9	61.1	108.7	254.1	528.6
Diabetes mellitus (E10-E14)	29.9	—	—	0.2	0.6	1.6	6.1	18.0	47.3	89.8	202.2	394.4
Nutritional deficiencies (E40-E64)	0.6	—	—	—	—	—	—	0.4	0.6	0.9	3.6	18.5
Malnutrition (E40-E46)	0.5	—	—	—	—	—	—	0.2	0.6	0.9	3.6	13.4
Mental Disorders (F01-F99)¹⁰	31.2	—	—	—	0.6	3.2	9.9	17.8	24.4	38.6	152.1	882.7
Organic dementia (F01, F03)	21.1	—	—	—	—	—	—	0.2	2.2	15.8	127.1	835.7
Due to alcohol (F10) ¹¹	5.4	—	—	—	0.2	0.6	4.5	11.6	16.9	14.0	8.4	6.7
Due to psychoactive substance (F11-F19)	3.0	—	—	—	0.2	2.4	4.7	4.7	3.8	5.3	8.4	6.7
Nervous System Dis. (G00-G99)	55.7	2.2	1.6	1.6	2.8	2.8	4.9	9.4	26.6	78.9	398.5	1,585.9
Meningitis (G00, G03)	0.2	—	—	—	0.4	—	0.2	—	0.3	—	1.2	—
Amyotrophic lateral sclerosis (G12.2)	3.0	—	—	—	0.2	—	0.5	1.9	6.0	14.5	20.9	10.1
Parkinson's disease (G20-G21)	9.0	—	—	—	—	—	—	0.6	1.6	19.3	91.9	193.0
Alzheimer's disease (G30)	35.3	—	—	—	—	—	—	0.2	2.2	25.9	244.0	1,320.7
Multiple sclerosis (G35)	1.7	—	—	—	—	—	1.1	1.9	7.2	5.3	6.0	1.7
Epilepsy (G40-G41)	0.6	—	—	0.4	0.4	0.8	0.7	0.4	0.6	—	1.2	5.0
Circulatory System Diseases (I00-I99)	277.6	26.3	0.5	1.2	1.8	6.9	24.0	76.4	239.4	581.1	1,865.6	6,924.1
Major cardiovascular disease (I00-I78)	275.8	21.9	0.5	1.2	1.8	6.7	23.9	75.9	236.0	576.8	1,855.4	6,890.5
Heart disease (I00-I09, I11, I13, I20-I51)	186.7	21.9	0.5	0.8	1.0	3.8	17.3	56.9	182.1	411.5	1,228.4	4,480.7
Rheumatic heart disease (I00-I09) ¹² ..	1.8	—	—	—	—	—	0.2	0.6	2.8	3.1	17.9	21.8

See footnotes at end of table.

TABLE 6-7t. Total Death Rates for Selected Causes by Age, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Hypertensive heart disease (I11)	5.2	—	—	—	—	—	1.4	1.1	4.4	6.6	25.1	172.9
Hypertensive heart & renal dis. (I13) ..	1.0	—	—	—	—	—	—	0.2	0.3	3.1	5.4	30.2
Ischemic heart disease (I20-I25)	119.2	—	—	—	0.2	3.0	7.8	41.3	134.1	291.9	826.3	2,539.1
Myocardial infarction (I21-I22)	41.0	—	—	—	0.2	0.8	2.2	13.7	43.2	110.9	303.7	802.2
Other acute ischemic hrt. dis. (I24) ..	0.2	—	—	—	—	—	—	—	—	1.3	1.2	5.0
Chronic isch. heart dis. (I20, I25)	78.0	—	—	—	—	2.2	5.6	27.6	90.9	179.7	521.4	1,731.9
Atheroscler. cardiovascular dis. ¹³	9.0	—	—	—	—	—	0.5	2.6	9.4	15.8	60.3	233.3
Other chr. ischemic heart dis. ¹⁴ ...	69.0	—	—	—	—	2.2	5.1	25.0	81.5	163.9	461.2	1,498.6
Nonrheumatic mitral valve dis. (I34) ...	1.6	—	—	—	—	0.2	0.2	0.2	0.9	0.9	12.5	47.0
Nonrheumatic aortic valve dis. (I35) ...	8.6	—	—	—	—	—	0.2	0.6	3.1	9.2	54.9	302.1
Cardiomyopathy (I42)	5.8	4.4	0.5	0.4	0.2	0.2	2.9	3.4	9.4	19.3	29.2	75.5
Heart failure (I50)	20.5	4.4	—	—	—	—	0.4	0.6	6.6	28.5	125.3	721.6
Congestive heart failure (I50.0)	19.9	4.4	—	—	—	—	0.4	0.6	5.3	28.0	122.3	704.8
Left ventricular heart failure (I50.1)	—	—	—	—	—	—	—	—	—	—	—	—
Heart failure, unspecified (I50.9)	0.6	—	—	—	—	—	—	—	1.3	0.4	3.0	16.8
Hypertension & hyp. renal dis. (I10, I12)	10.0	—	—	—	—	0.2	0.2	3.8	6.6	12.7	58.5	315.5
Cerebrovascular disease (I60-I69)	64.8	—	—	0.4	0.8	2.2	4.7	12.0	36.7	107.4	464.2	1,804.0
Subarachnoid hemorrhage (I60)	1.9	—	—	—	0.6	0.8	0.7	3.4	4.7	4.8	5.4	8.4
Intracerebral hemorrhage (I61-I62) ¹⁵	10.5	—	—	—	0.2	0.6	2.2	4.5	10.7	26.7	79.9	177.9
Cerebral infarction (I63)	4.5	—	—	—	—	0.2	0.2	0.6	2.2	5.7	31.6	141.0
Stroke (type not specified) (I64)	33.3	—	—	0.2	—	0.2	0.9	3.0	14.1	53.9	236.8	1,017.0
Atherosclerosis (I70)	4.9	—	—	—	—	—	—	0.6	2.2	8.3	31.6	154.4
Aortic aneurysm & dissection (I71)	5.6	—	—	—	—	0.2	1.4	1.5	4.7	20.6	50.1	60.4
Diseases of arteries (I72-I78) ¹⁶	3.9	—	—	—	—	0.2	0.2	1.1	3.8	16.2	22.7	75.5
Respiratory System Diseases (J00-J99)	79.4	6.6	2.2	—	0.2	0.8	3.6	14.8	73.0	253.3	603.8	1,528.8
Influenza & pneumonia (J10-J18)	15.5	2.2	—	—	0.2	0.6	1.3	4.1	8.8	18.4	92.5	495.1
Influenza (J10-J11)	0.1	—	—	—	—	—	—	—	0.3	—	—	1.7
Pneumonia (J12-J18)	15.4	2.2	—	—	0.2	0.6	1.3	4.1	8.5	18.4	92.5	493.4
Other acute lower resp. infect'ns (J20-J22)	—	—	—	—	—	—	—	—	—	—	—	—
Acute bronchitis (J20-J21) ¹⁷	—	—	—	—	—	—	—	—	—	—	—	—
Chronic lower respiratory dis. (J40-J47) ¹⁸ ..	49.4	2.2	0.5	—	—	—	1.3	6.9	49.8	201.2	412.8	694.8
Bronchitis, chronic & unspec. (J40-J42)	0.3	—	—	—	—	—	—	—	0.6	0.9	1.8	5.0
Emphysema (J43)	6.5	—	—	—	—	—	0.2	0.6	10.0	30.2	53.1	67.1
Asthma (J45-J46)	1.4	—	0.5	—	—	—	0.7	0.8	2.5	3.5	8.9	15.1

See footnotes at end of table.

TABLE 6-7t. Total Death Rates for Selected Causes by Age, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Other CLRD (J44, J47)	41.2	2.2	—	—	—	—	0.4	5.6	36.7	166.5	349.0	607.5
Bronchiectasis (J47)	0.5	—	—	—	—	—	—	0.2	0.3	2.2	4.2	5.0
Pneumoconioses (J60-J66, J68) ¹⁹	0.3	—	—	—	—	—	—	—	0.6	1.8	2.4	1.7
Pneumonitis due to solids & liquids (J69) ...	4.8	—	—	—	—	—	0.2	0.8	2.2	7.9	28.6	156.1
Digestive System Diseases (K00-K92)	32.0	—	—	—	0.6	1.4	12.3	33.6	49.8	70.1	153.9	526.9
Peptic ulcer (K25-K28)	1.8	—	—	—	0.2	—	0.2	0.6	1.3	6.1	10.7	36.9
Diseases of the appendix (K35-K38)	0.1	—	—	—	—	—	—	0.2	—	—	—	3.4
Appendicitis (K35-K37)	0.1	—	—	—	—	—	—	0.2	—	—	—	3.4
Hernia (K40-K46)	0.6	—	—	—	0.2	—	0.5	0.2	0.3	1.3	4.2	11.7
Vascular disorders of the intestine (K55)	2.7	—	—	—	—	—	0.4	0.9	3.1	5.3	17.3	67.1
Chronic liver disease (K70, K73-K74) ²⁰	10.8	—	—	—	—	1.2	8.0	22.9	32.0	28.5	22.1	18.5
Alcoholic liver disease (K70) ²¹	8.4	—	—	—	—	0.8	6.9	20.8	26.9	18.4	11.3	3.4
Cholelithiasis (K80-K82) ²²	1.6	—	—	—	—	—	0.5	0.9	0.3	1.8	11.3	43.6
Diseases of the Skin (L00-L98)²³	0.9	—	—	—	—	0.2	0.4	0.2	2.2	2.2	3.0	21.8
Musculoskeletal Disease (M00-M99)²⁴	6.2	—	—	—	0.4	0.2	0.7	2.4	4.7	14.9	35.2	157.7
Genitourinary System Dis. (N00-N99)	15.4	2.2	—	—	0.4	0.8	1.4	3.8	8.1	32.4	99.0	417.9
Nephritis (N00-N07, N17-N19, N25-N27) ²⁵	8.5	—	—	—	0.2	0.4	1.4	2.8	5.3	20.2	60.3	194.7
Acute nephrotic syndrome ²⁶	0.1	—	—	—	—	—	—	0.2	—	—	0.6	—
Chronic nephritis ²⁷	0.3	—	—	—	—	—	—	—	0.6	0.9	3.0	—
Renal failure (N17-N19)	8.2	—	—	—	0.2	0.4	1.4	2.6	4.7	19.3	56.7	194.7
Kidney infect'ns (N10-N12, N13.6, N15.1) ..	0.4	—	—	—	—	—	—	0.2	—	0.4	2.4	15.1
Urinary tract infection (N59.0)	4.7	—	—	—	—	—	—	0.2	0.9	8.8	27.4	162.8
Hyperplasia of prostate (N40)	0.3	—	—	—	—	—	—	—	—	0.4	1.8	13.4
Female pelvic inflam. dis. (N70-N76) ²⁸	<0.05	—	—	—	—	—	—	—	—	—	—	1.7
Pregnancy & Childbirth (O00-O99)²⁹	0.2	—	—	—	0.2	0.4	0.5	—	—	—	—	—
Perinatal Conditions (P00-P96)	3.1	245.3	—	—	—	—	—	—	—	—	—	—
Congenital Malformations (Q00-Q99)³⁰ ..	3.8	140.2	2.7	0.6	1.0	1.2	2.2	1.9	1.9	4.8	2.4	16.8
Malformation of the heart (Q20-Q24)	1.1	37.2	0.5	0.2	0.6	0.6	0.7	0.8	0.3	—	—	8.4
Other malf. of the circul. sys. (Q25-Q28)	0.3	6.6	—	0.2	—	—	0.4	—	—	1.3	1.2	1.7
Malf. of the respiratory system (Q30-Q34) ..	0.3	19.7	—	—	—	—	—	—	—	—	—	—
Symptoms & Signs (R00-R99)³¹	11.6	43.8	0.5	0.4	0.4	0.4	4.0	5.8	10.7	17.1	47.1	308.8
Senility (R54)	1.3	—	—	—	—	—	—	—	—	—	1.2	72.2
Sudden infant death syndrome (R95)	0.5	41.6	—	—	—	—	—	—	—	—	—	—
External Causes of Death (V01-Y89)	61.9	74.5	15.9	8.0	54.8	48.3	58.9	69.9	73.0	60.5	149.7	476.6

See footnotes at end of table.

TABLE 6-7t. Total Death Rates for Selected Causes by Age, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Accidents (V01-X59, Y85-Y86)	39.7	43.8	13.1	7.0	33.5	28.1	31.4	37.0	41.7	39.9	111.6	429.6
Transport accidents (V01-V99, Y85)	14.9	4.4	6.6	4.6	25.1	15.2	11.9	15.2	18.8	18.0	20.3	25.2
Motor vehicle acc. (Many codes) ³²	13.6	4.4	6.0	4.6	22.9	14.1	11.2	13.3	16.9	14.9	20.3	23.5
Water transport accidents (V90-V94)	0.4	—	—	—	0.6	0.2	0.2	0.9	0.3	1.3	—	—
Air transport accidents (V95-V97)	0.3	—	—	—	0.8	0.4	—	0.2	0.9	—	—	—
Nontransport accidents (W00-X59, Y86)	24.8	39.4	6.6	2.4	8.4	12.9	19.5	21.8	22.9	21.9	91.3	404.4
Falls (W00-W19)	10.6	2.2	—	0.4	0.4	0.8	1.4	3.6	6.9	11.4	66.8	310.5
Firearms (W32-W34)	0.2	—	—	—	0.4	—	0.4	0.2	0.3	—	0.6	—
Drowning & submersion (W65-W74) ..	1.6	—	3.3	1.0	2.8	2.2	1.8	0.8	1.6	1.3	0.6	—
Exposure to smoke & fire (X00-X09) ..	0.9	—	1.1	0.2	0.4	0.2	0.7	1.3	1.6	3.1	1.8	3.4
Poisoning (X40-X49) ³³	6.3	—	—	—	2.4	7.7	12.1	13.0	8.8	1.3	2.4	5.0
Suicide (X60-X84, Y87.0)	15.5	—	—	0.4	13.6	13.1	19.5	22.7	26.6	14.9	29.8	36.9
Poisoning (X60-X69)	3.2	—	—	—	1.6	2.0	5.6	7.5	5.0	0.9	3.6	5.0
Hanging/suffocation (X70)	2.8	—	—	0.2	3.2	4.6	5.2	3.4	1.9	0.4	2.4	5.0
Firearm discharge (X72-X74)	8.4	—	—	0.2	7.2	6.3	7.2	10.1	17.9	12.3	22.7	25.2
Homicide (X85-Y09, Y87.1)	3.1	6.6	2.7	0.6	5.2	4.4	3.4	3.8	1.3	2.6	2.4	—
Firearm discharge (X93-X95)	1.8	—	—	0.4	3.4	3.6	2.0	1.7	0.6	1.3	1.2	—
Legal intervention (Y35, Y89.0)	0.3	—	—	—	0.2	0.8	0.5	0.4	—	—	—	—
Undeterm. intent (Y10-Y34, Y87.2, Y89.9)	2.5	24.1	—	—	2.0	1.8	3.4	5.1	3.1	1.3	1.2	—
War and its sequelae (Y36, Y89.1) ³⁴	—	—	—	—	—	—	—	—	—	—	—	—
Medical care complica'ns (Y40-Y84, Y88) ..	0.8	—	—	—	0.2	—	0.5	0.9	0.3	1.8	4.8	10.1
<i>Injury by firearms (Many codes)³⁵</i>	10.7	—	—	0.6	11.4	10.9	10.1	12.4	18.8	13.6	24.5	25.2
<i>Alcohol-induced deaths (Many codes)^{36,37}</i>	14.2	—	—	—	0.4	1.4	11.7	33.4	44.5	33.3	20.3	10.1
<i>Drug-induced deaths (Many codes)^{38,39}</i>	13.1	—	—	—	5.2	12.7	23.7	27.0	18.5	7.9	13.1	13.4
<i>Injury at work⁴⁰</i>	1.4	—	—	—	0.8	1.2	1.4	2.6	3.1	3.1	0.6	1.7

¹ International Statistical Classification of Diseases and Related Health Problems, Tenth Revision. Geneva: World Health Organization, 1992.

² Rates per 100,000 population.

³ Human immunodeficiency virus/Acquired immune deficiency syndrome.

⁴ Including uterus, part unspecified.

⁵ Including meninges and other parts of the central nervous system.

⁶ Including immunoproliferative neoplasms.

⁷ Including in situ neoplasms, benign neoplasms, and neoplasms of uncertain or unknown behavior.

⁸ Including diseases of the blood forming-organs and disorders involving the immune mechanism.

⁹ Including metabolic diseases.

¹⁰ Including behavioral disorders.

- 11 For all deaths due to alcohol, see "Alcohol-induced deaths" at the end of the table.
- 12 Including acute rheumatic fever.
- 13 The ICD-10 code is I25.0.
- 14 Including angina, arteriosclerotic heart disease, coronary heart disease, and related disorders. The ICD-10 codes are I20, I25.1-I25.9.
- 15 Including other intracranial hemorrhages.
- 16 Including diseases of the arterioles and capillaries.
- 17 Including acute bronchiolitis.
- 18 Formerly chronic obstructive pulmonary disease (COPD).
- 19 Including respiratory conditions due to inhalation of chemicals, gases, fumes and vapors.
- 20 Including liver cirrhosis.
- 21 For all deaths due to alcohol, see "Alcohol-induced deaths" at the end of the table.
- 22 Including other diseases of the gallbladder.
- 23 Including subcutaneous tissues.
- 24 Including connective tissue.
- 25 Including nephrotic syndrome and nephrosis.
- 26 Including acute and rapidly progressive nephritic and nephrotic syndrome.
- 27 Including chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified.
- 28 Inflammatory diseases of female pelvic organs.
- 29 Including the puerperium.
- 30 including congenital deformations and chromosomal abnormalities.
- 31 Including abnormal clinical and laboratory findings not elsewhere classified.
- 32 Including the following ICD-10 codes: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.
- 33 Including exposure to noxious substances.
- 34 Includes late effects of injuries sustained in war. (The deaths of Oregon residents who died outside the U.S. while on active-duty are not reported to Oregon's Center for Health Statistics by the U.S. Department of Defense.)
- 35 Including accidental, suicidal, homicidal, and undetermined intent gunshot deaths (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0).
- 36 Including: alcoholic mental/behavioral disorders, degeneration of nervous system, polyneuropathy, alcoholic myopathy, cardiomyopathy, gastritis, liver disease, chronic pancreatitis, alcohol in the blood, accidental poisoning by alcohol, intentional self-poisoning, and poisoning of undetermined intent.
- 37 The ICD-10 codes for the above categories are E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K86.0, R78.0, X45, X65, and Y15. respectively. (Note: The ICD10 codes were changed for 2004 data causing minor differences in category totals.)
- 38 Includes a variety of conditions affecting multiple organ systems, such as poisonings/overdoses and mental/behavioral disorders due to substance use/abuse. Drug-induced hypoglycemia and drug-induced Parkinsonism are also included here.
- 39 The ICD 10 codes for the above categories are: D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, L10.5, L27.0-L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R78.1-R78.5, X40-X44, X60-X64, X85, Y10-Y14. (Note: The ICD10 codes were changed for 2004 data causing minor differences in category totals.)
- 40 Recorded as a separate item on the death certificate by the Medical Examiner.
 - Quantity is 0.

TABLE 6-7m. Male Death Rates for Selected Causes by Age, Oregon Residents, 2004

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	837.5	659.1	31.0	17.5	95.1	104.8	208.3	505.9	1,173.5	2,433.3	6,244.1	18,990.6
Infections & Parasitic Disease (A00-B99)	17.4	8.6	—	—	0.8	2.3	14.5	32.5	32.5	32.1	76.9	189.7
Tuberculosis (A16-A19)	0.3	—	—	—	—	—	0.4	—	—	2.8	2.9	—
Meningococcal infection (A39)	0.2	—	—	—	0.8	—	0.4	—	—	—	—	—
Septicemia (A40-A41)	5.2	—	—	—	—	0.4	1.1	4.9	7.7	14.2	31.9	141.0
Creutzfeldt-Jacob disease (A81.0)	0.2	—	—	—	—	—	—	—	0.6	—	2.9	—
Viral hepatitis (B15-B19)	3.8	—	—	—	—	—	2.5	14.0	10.8	4.7	1.5	—
HIV/AIDS (B20-B24) ³	3.2	—	—	—	—	2.0	9.0	7.6	3.2	0.9	1.5	—
Malignant Neoplasms (C00-C97)	209.0	4.3	2.1	2.7	7.0	7.4	23.9	119.0	388.4	909.4	1,688.3	2,981.7
Lip, oral cavity & pharynx (C00-C14)	3.3	—	—	—	—	0.4	0.7	2.3	8.9	17.0	20.3	16.3
Digestive organs (C15-26)	50.7	—	—	—	0.4	0.8	7.2	36.6	105.2	228.8	362.6	672.2
Esophagus (C15)	9.1	—	—	—	—	0.8	1.1	7.2	18.5	42.5	69.6	81.3
Stomach (C16)	3.7	—	—	—	—	—	1.4	3.0	8.9	13.2	21.8	54.2
Colon, rectum & anus (C18-C21)	18.5	—	—	—	—	—	2.5	10.6	31.3	74.7	142.1	363.2
Colon (C18)	14.9	—	—	—	—	—	1.4	7.6	18.5	59.6	124.7	336.1
Rectosigmoid junction (C19)	1.0	—	—	—	—	—	—	0.4	3.2	4.7	5.8	10.8
Rectum (C20)	2.5	—	—	—	—	—	1.1	2.6	8.3	10.4	11.6	16.3
Liver & intrahepatic bile ducts (C22)	6.5	—	—	—	0.4	—	1.1	7.9	15.9	30.3	45.0	10.8
Pancreas (C25)	11.0	—	—	—	—	—	1.1	7.6	28.1	57.7	68.2	113.8
Respiratory, intrathoracic org'ns (C30-C39)	63.9	—	—	—	0.4	—	3.3	35.5	136.5	344.1	509.1	553.0
Larynx (C32)	1.5	—	—	—	—	—	—	1.1	3.8	5.7	14.5	5.4
Trachea, bronchus & lung (C33-C34)	61.9	—	—	—	0.4	—	3.3	33.2	130.7	336.5	493.1	547.5
Bronchus & lung (C34)	61.9	—	—	—	0.4	—	3.3	32.9	130.7	336.5	493.1	547.5
Skin (C43-C44)	5.3	—	—	—	0.4	—	1.4	3.4	11.5	18.9	40.6	75.9
Melanoma of skin (C43)	4.2	—	—	—	—	—	1.4	3.4	10.8	15.1	27.6	48.8
Mesothelioma (C45)	1.9	—	—	—	—	—	—	—	1.9	8.5	23.2	27.1
Breast (C50)	0.2	—	—	—	—	—	—	0.4	—	—	1.5	5.4
Female genital organs (C51-58)	—	—	—	—	—	—	—	—	—	—	—	—
Cervix uteri (C53)	—	—	—	—	—	—	—	—	—	—	—	—
Corpus uteri (C54-C55) ⁴	—	—	—	—	—	—	—	—	—	—	—	—
Ovary (C56)	—	—	—	—	—	—	—	—	—	—	—	—
Male genital organs (C60-C63)	23.4	—	—	—	0.8	0.4	1.1	3.4	19.8	60.5	266.9	656.0
Prostate (C61)	22.9	—	—	—	—	—	—	3.0	19.8	58.6	266.9	656.0

See footnotes at end of table.

TABLE 6-7m. Male Death Rates for Selected Causes by Age, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Kidney & renal pelvis (C64-C65)	5.7	—	—	—	0.4	—	—	4.5	14.0	23.6	36.3	86.7
Bladder (C67)	7.8	—	—	—	—	—	—	3.0	13.4	26.5	68.2	184.3
Brain, etc. (C70-C72) ⁵	6.5	4.3	1.1	0.4	—	2.0	1.1	11.0	19.8	22.7	21.8	32.5
Thyroid/endocrine gland (C73-C75)	0.8	—	—	0.4	—	—	0.4	0.4	—	4.7	5.8	16.3
Lymphoid & hematopoietic (C81-C96)	23.6	—	1.1	1.2	2.7	2.3	6.1	12.1	31.3	87.9	204.5	379.5
Hodgkin's disease (C81)	0.5	—	—	—	—	0.4	1.1	0.4	—	0.9	2.9	—
Non-Hodgkin's lymphoma (C82-C85)	10.1	—	—	—	0.4	0.8	2.5	5.7	12.1	41.6	84.1	184.3
Leukemia (C91-C95)	8.7	—	1.1	1.2	2.3	1.2	2.2	3.4	13.4	26.5	76.9	135.5
Lymphoid leukemia (C91)	2.9	—	1.1	0.8	—	0.8	0.7	1.5	3.8	8.5	23.2	48.8
Myeloid leukemia (C92)	4.2	—	—	—	1.6	0.4	1.4	1.1	8.9	12.3	36.3	59.6
Multiple myeloma (C88, C90) ⁶	4.3	—	—	—	—	—	0.4	2.6	5.7	18.9	40.6	59.6
Neopla. Not Specif. As Malig. (D00-D48)⁷	4.7	—	—	0.4	—	—	0.4	1.9	7.0	6.6	42.1	162.6
Myelodysplastic syndromes (D46)	2.0	—	—	0.4	—	—	—	—	3.2	1.9	17.4	81.3
Diseases of the Blood (D50-89)⁸	3.0	4.3	—	0.4	—	0.4	1.1	3.4	3.2	3.8	17.4	92.2
Anemias (D50-D64)	1.5	—	—	—	—	—	—	1.1	1.3	0.9	14.5	54.2
Endocrine & Nutritional Dis. (E00-E88)⁹	39.1	—	1.1	1.2	0.8	2.3	9.0	32.9	75.3	112.5	304.6	672.2
Diabetes mellitus (E10-E14)	30.5	—	—	0.4	0.8	1.6	6.9	25.3	59.3	87.0	253.8	482.5
Nutritional deficiencies (E40-E64)	0.7	—	—	—	—	—	—	0.4	1.3	—	5.8	27.1
Malnutrition (E40-E46)	0.6	—	—	—	—	—	—	0.4	1.3	—	5.8	16.3
Mental Disorders (F01-F99)¹⁰	26.5	—	—	—	—	4.7	16.6	26.1	42.7	47.3	126.2	753.6
Organic dementia (F01, F03)	12.3	—	—	—	—	—	—	0.4	3.2	15.1	97.2	699.3
Due to alcohol (F10) ¹¹	8.7	—	—	—	—	1.2	7.6	17.4	29.3	22.7	16.0	16.3
Due to psychoactive substance (F11-F19)	4.2	—	—	—	—	3.5	8.0	6.4	7.7	6.6	10.2	5.4
Nervous System Dis. (G00-G99)	44.1	4.3	1.1	1.9	2.0	3.5	4.3	9.8	24.9	86.0	427.9	1,620.9
Meningitis (G00, G03)	—	—	—	—	—	—	—	—	—	—	—	—
Amyotrophic lateral sclerosis (G12.2)	2.9	—	—	—	0.4	—	0.7	2.6	4.5	16.1	21.8	16.3
Parkinson's disease (G20-G21)	10.6	—	—	—	—	—	—	0.8	2.6	28.4	134.9	325.3
Alzheimer's disease (G30)	23.1	—	—	—	—	—	—	—	3.8	21.7	229.2	1,208.9
Multiple sclerosis (G35)	1.1	—	—	—	—	—	0.4	0.8	5.1	3.8	5.8	—
Epilepsy (G40-G41)	0.7	—	—	0.8	—	0.8	1.1	0.8	1.3	—	—	10.8
Circulatory System Diseases (I00-I99)	266.2	38.5	—	0.8	1.6	7.8	30.4	112.6	325.9	725.1	2,268.5	7,963.8
Major cardiovascular disease (I00-I78)	264.6	34.2	—	0.8	1.6	7.8	30.0	111.5	322.1	718.4	2,256.9	7,952.9
Heart disease (I00-I09, I11, I13, I20-I51)	190.5	34.2	—	0.8	1.2	5.1	21.3	86.9	255.8	543.6	1,562.1	5,508.0
Rheumatic heart disease (I00-I09) ¹² ..	1.3	—	—	—	—	—	0.4	0.4	2.6	2.8	17.4	10.8

See footnotes at end of table.

TABLE 6-7m. Male Death Rates for Selected Causes by Age, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Hypertensive heart disease (I11)	3.4	—	—	—	—	—	1.8	1.5	5.7	7.6	20.3	113.8
Hypertensive heart & renal dis. (I13) ..	0.8	—	—	—	—	—	—	0.4	—	2.8	7.3	32.5
Ischemic heart disease (I20-I25)	136.0	—	—	—	0.4	4.7	10.8	66.5	197.1	420.7	1,147.3	3,534.6
Myocardial infarction (I21-I22)	44.5	—	—	—	0.4	1.2	2.9	19.3	58.7	156.0	411.9	1,013.8
Other acute ischemic hrt. dis. (I24) ..	0.2	—	—	—	—	—	—	—	—	1.9	1.5	—
Chronic isch. heart dis. (I20, I25)	91.3	—	—	—	—	3.5	8.0	47.2	138.4	262.8	733.9	2,520.9
Atheroscler. cardiovascular dis. ¹³	9.0	—	—	—	—	—	0.7	4.9	14.0	24.6	59.5	298.2
Other chr. ischemic heart dis. ¹⁴ ...	82.4	—	—	—	—	3.5	7.2	42.3	124.4	238.2	674.5	2,222.7
Nonrheumatic mitral valve dis. (I34) ...	1.1	—	—	—	—	—	—	0.4	0.6	—	11.6	54.2
Nonrheumatic aortic valve dis. (I35) ...	7.2	—	—	—	—	—	0.4	0.8	5.1	11.3	62.4	336.1
Cardiomyopathy (I42)	6.5	8.6	—	0.4	0.4	—	3.3	5.3	11.5	27.4	31.9	108.4
Heart failure (I50)	16.2	4.3	—	—	—	—	0.4	0.8	8.3	27.4	133.4	807.8
Congestive heart failure (I50.0)	15.6	4.3	—	—	—	—	0.4	0.8	5.7	26.5	130.5	791.5
Left ventricular heart failure (I50.1)	—	—	—	—	—	—	—	—	—	—	—	—
Heart failure, unspecified (I50.9)	0.6	—	—	—	—	—	—	—	2.6	0.9	2.9	16.3
Hypertension & hyp. renal dis. (I10, I12)	7.8	—	—	—	—	—	0.4	6.0	8.3	9.5	56.6	319.9
Cerebrovascular disease (I60-I69)	52.5	—	—	—	0.4	2.0	6.5	14.4	42.7	109.7	514.9	1,805.3
Subarachnoid hemorrhage (I60)	1.5	—	—	—	0.4	0.8	0.7	2.3	3.8	2.8	7.3	10.8
Intracerebral hemorrhage (I61-I62) ¹⁵	9.6	—	—	—	—	0.8	3.6	4.9	12.1	28.4	82.7	216.8
Cerebral infarction (I63)	3.3	—	—	—	—	0.4	0.4	1.1	3.8	7.6	31.9	97.6
Stroke (type not specified) (I64)	26.3	—	—	—	—	—	0.7	4.9	17.9	58.6	271.2	948.7
Atherosclerosis (I70)	4.1	—	—	—	—	—	—	0.4	2.6	11.3	36.3	162.6
Aortic aneurysm & dissection (I71)	6.0	—	—	—	—	0.4	1.8	2.3	7.0	25.5	63.8	65.1
Diseases of arteries (I72-I78) ¹⁶	3.8	—	—	—	—	0.4	—	1.5	5.7	18.9	23.2	92.2
Respiratory System Diseases (J00-J99)	79.6	12.8	3.2	—	—	0.8	4.0	18.9	79.7	284.5	709.3	2,331.1
Influenza & pneumonia (J10-J18)	14.1	4.3	—	—	—	0.4	0.7	5.7	10.8	20.8	100.1	672.2
Influenza (J10-J11)	0.1	—	—	—	—	—	—	—	0.6	—	—	5.4
Pneumonia (J12-J18)	14.0	4.3	—	—	—	0.4	0.7	5.7	10.2	20.8	100.1	666.8
Other acute lower resp. infect'ns (J20-J22)	—	—	—	—	—	—	—	—	—	—	—	—
Acute bronchitis (J20-J21) ¹⁷	—	—	—	—	—	—	—	—	—	—	—	—
Chronic lower respiratory dis. (J40-J47) ¹⁸ ..	49.4	4.3	1.1	—	—	—	1.8	7.9	52.9	215.5	491.7	1,078.8
Bronchitis, chronic & unspec. (J40-J42)	0.2	—	—	—	—	—	—	—	0.6	—	2.9	5.4
Emphysema (J43)	6.6	—	—	—	—	—	0.4	0.4	10.2	31.2	66.7	113.8
Asthma (J45-J46)	1.2	—	1.1	—	—	—	0.7	0.8	1.3	5.7	8.7	10.8

See footnotes at end of table.

TABLE 6-7m. Male Death Rates for Selected Causes by Age, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Other CLRD (J44, J47)	41.3	4.3	—	—	—	—	0.7	6.8	40.8	178.7	413.4	948.7
Bronchiectasis (J47)	0.2	—	—	—	—	—	—	—	—	1.9	1.5	—
Pneumoconioses (J60-J66, J68) ¹⁹	0.6	—	—	—	—	—	—	—	1.3	3.8	5.8	5.4
Pneumonitis due to solids & liquids (J69) ...	5.3	—	—	—	—	—	0.4	1.5	2.6	10.4	30.5	287.3
Digestive System Diseases (K00-K92)	30.9	—	—	—	0.4	1.6	13.0	41.6	60.6	83.2	169.7	525.9
Peptic ulcer (K25-K28)	1.4	—	—	—	0.4	—	0.4	0.8	0.6	6.6	8.7	37.9
Diseases of the appendix (K35-K38)	0.1	—	—	—	—	—	—	0.4	—	—	—	—
Appendicitis (K35-K37)	0.1	—	—	—	—	—	—	0.4	—	—	—	—
Hernia (K40-K46)	0.6	—	—	—	—	—	0.4	0.4	0.6	0.9	5.8	10.8
Vascular disorders of the intestine (K55)	2.0	—	—	—	—	—	0.7	1.9	2.6	3.8	14.5	59.6
Chronic liver disease (K70, K73-K74) ²⁰	13.1	—	—	—	—	1.6	8.0	28.0	40.8	40.6	27.6	32.5
Alcoholic liver disease (K70) ²¹	10.6	—	—	—	—	1.2	6.1	25.3	35.7	29.3	18.9	10.8
Cholelithiasis (K80-K82) ²²	1.6	—	—	—	—	—	0.4	0.8	0.6	1.9	17.4	54.2
Diseases of the Skin (L00-L98)²³	1.1	—	—	—	—	0.4	0.4	—	3.8	1.9	5.8	27.1
Musculoskeletal Disease (M00-M99)²⁴	4.2	—	—	—	—	0.4	0.7	2.6	4.5	12.3	31.9	124.7
Genitourinary System Dis. (N00-N99)	13.7	—	—	—	0.4	0.8	1.4	4.5	8.3	22.7	117.5	574.7
Nephritis (N00-N07, N17-N19, N25-N27) ²⁵	8.5	—	—	—	—	0.4	1.4	3.8	4.5	13.2	78.3	330.7
Acute nephrotic syndrome ²⁶	0.1	—	—	—	—	—	—	0.4	—	—	—	—
Chronic nephritis ²⁷	0.3	—	—	—	—	—	—	—	—	0.9	5.8	—
Renal failure (N17-N19)	8.2	—	—	—	—	0.4	1.4	3.4	4.5	12.3	72.5	330.7
Kidney infect'ns (N10-N12, N13.6, N15.1) ..	0.1	—	—	—	—	—	—	—	—	—	—	10.8
Urinary tract infection (N59.0)	2.7	—	—	—	—	—	—	—	1.3	5.7	21.8	135.5
Hyperplasia of prostate (N40)	0.7	—	—	—	—	—	—	—	—	0.9	4.4	43.4
Female pelvic inflam. dis. (N70-N76) ²⁸	—	—	—	—	—	—	—	—	—	—	—	—
Pregnancy & Childbirth (O00-O99)²⁹	—	—	—	—	—	—	—	—	—	—	—	—
Perinatal Conditions (P00-P96)	3.7	282.5	—	—	—	—	—	—	—	—	—	—
Congenital Malformations (Q00-Q99)³⁰ ..	4.6	171.2	3.2	1.2	1.6	2.0	2.2	1.5	1.3	7.6	2.9	21.7
Malformation of the heart (Q20-Q24)	1.6	59.9	1.1	0.4	0.8	1.2	1.1	0.8	—	—	—	10.8
Other malf. of the circul. sys. (Q25-Q28)	0.5	8.6	—	0.4	—	—	0.4	—	—	2.8	2.9	—
Malf. of the respiratory system (Q30-Q34) ..	0.4	30.0	—	—	—	—	—	—	—	—	—	—
Symptoms & Signs (R00-R99)³¹	10.3	51.4	1.1	0.4	0.4	0.8	5.8	6.4	15.9	21.7	43.5	298.2
Senility (R54)	0.8	—	—	—	—	—	—	—	—	—	1.5	70.5
Sudden infant death syndrome (R95)	0.6	47.1	—	—	—	—	—	—	—	—	—	—
External Causes of Death (V01-Y89)	79.5	81.3	19.3	8.6	80.2	69.6	80.6	92.2	99.5	76.6	211.8	650.5

See footnotes at end of table.

TABLE 6-7m. Male Death Rates for Selected Causes by Age, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Accidents (V01-X59, Y85-Y86)	47.2	47.1	16.1	7.4	45.8	41.9	42.3	49.9	50.4	40.6	143.6	536.7
Transport accidents (V01-V99, Y85)	20.1	4.3	7.5	4.7	33.6	23.5	15.5	21.5	24.2	21.7	31.9	43.4
Motor vehicle acc. (Many codes) ³²	18.2	4.3	6.4	4.7	30.5	21.9	14.8	18.1	21.7	16.1	31.9	43.4
Water transport accidents (V90-V94)	0.6	—	—	—	0.8	—	—	1.9	—	2.8	—	—
Air transport accidents (V95-V97)	0.5	—	—	—	0.8	0.8	—	0.4	1.9	—	—	—
Nontransport accidents (W00-X59, Y86)	27.1	42.8	8.6	2.7	12.1	18.4	26.8	28.3	26.1	18.9	111.7	493.3
Falls (W00-W19)	9.1	4.3	—	0.4	0.8	1.2	1.8	4.2	8.9	9.5	72.5	347.0
Firearms (W32-W34)	0.4	—	—	—	0.8	—	0.7	0.4	0.6	—	1.5	—
Drowning & submersion (W65-W74) ..	2.4	—	3.2	0.8	5.1	2.7	2.9	1.1	1.9	1.9	1.5	—
Exposure to smoke & fire (X00-X09) ..	1.1	—	2.1	—	0.4	0.4	1.1	1.9	1.9	1.9	2.9	5.4
Poisoning (X40-X49) ³³	7.5	—	—	—	2.7	11.0	14.8	16.2	7.7	0.9	1.5	5.4
Suicide (X60-X84, Y87.0)	23.4	—	—	0.4	21.9	17.2	27.5	30.2	42.1	27.4	63.8	103.0
Poisoning (X60-X69)	2.8	—	—	—	0.8	1.2	5.1	5.7	5.1	0.9	4.4	16.3
Hanging/suffocation (X70)	4.4	—	—	—	5.5	7.0	8.7	4.9	3.2	0.9	4.4	5.4
Firearm discharge (X72-X74)	14.6	—	—	0.4	12.9	8.6	12.3	17.0	30.6	23.6	53.7	81.3
Homicide (X85-Y09, Y87.1)	4.9	8.6	3.2	0.8	9.0	7.0	5.1	5.7	2.6	4.7	1.5	—
Firearm discharge (X93-X95)	3.0	—	—	0.8	5.9	5.9	3.6	2.3	1.3	2.8	—	—
Legal intervention (Y35, Y89.0)	0.5	—	—	—	0.4	1.6	1.1	0.4	—	—	—	—
Undeterm. intent (Y10-Y34, Y87.2, Y89.9)	3.0	25.7	—	—	3.1	2.0	4.3	5.3	3.8	1.9	1.5	—
War and its sequelae (Y36, Y89.1) ³⁴	—	—	—	—	—	—	—	—	—	—	—	—
Medical care complica'ns (Y40-Y84, Y88) ..	0.5	—	—	—	—	—	0.4	0.8	0.6	1.9	1.5	10.8
<i>Injury by firearms (Many codes)³⁵</i>	18.6	—	—	1.2	20.3	16.4	17.7	20.0	32.5	26.5	55.1	81.3
<i>Alcohol-induced deaths (Many codes)^{36,37}</i>	20.0	—	—	—	0.4	2.3	14.5	44.6	66.3	52.9	36.3	27.1
<i>Drug-induced deaths (Many codes)^{38,39}</i>	15.0	—	—	—	5.1	15.3	28.9	29.5	20.4	9.5	16.0	16.3
<i>Injury at work⁴⁰</i>	2.4	—	—	—	1.6	2.0	2.2	4.2	5.7	5.7	1.5	5.4

¹ International Statistical Classification of Diseases and Related Health Problems, Tenth Revision. Geneva: World Health Organization, 1992.

² Rates per 100,000 population.

³ Human immunodeficiency virus/Acquired immune deficiency syndrome.

⁴ Including uterus, part unspecified.

⁵ Including meninges and other parts of the central nervous system.

⁶ Including immunoproliferative neoplasms.

⁷ Including in situ neoplasms, benign neoplasms, and neoplasms of uncertain or unknown behavior.

⁸ Including diseases of the blood forming-organs and disorders involving the immune mechanism.

⁹ Including metabolic diseases.

¹⁰ Including behavioral disorders.

- 11 For all deaths due to alcohol, see "Alcohol-induced deaths" at the end of the table.
- 12 Including acute rheumatic fever.
- 13 The ICD-10 code is I25.0.
- 14 Including angina, arteriosclerotic heart disease, coronary heart disease, and related disorders. The ICD-10 codes are I20, I25.1-I25.9.
- 15 Including other intracranial hemorrhages.
- 16 Including diseases of the arterioles and capillaries.
- 17 Including acute bronchiolitis.
- 18 Formerly chronic obstructive pulmonary disease (COPD).
- 19 Including respiratory conditions due to inhalation of chemicals, gases, fumes and vapors.
- 20 Including liver cirrhosis.
- 21 For all deaths due to alcohol, see "Alcohol-induced deaths" at the end of the table.
- 22 Including other diseases of the gallbladder.
- 23 Including subcutaneous tissues.
- 24 Including connective tissue.
- 25 Including nephrotic syndrome and nephrosis.
- 26 Including acute and rapidly progressive nephritic and nephrotic syndrome.
- 27 Including chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified.
- 28 Inflammatory diseases of female pelvic organs.
- 29 Including the puerperium.
- 30 including congenital deformations and chromosomal abnormalities.
- 31 Including abnormal clinical and laboratory findings not elsewhere classified.
- 32 Including the following ICD-10 codes: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.
- 33 Including exposure to noxious substances.
- 34 Includes late effects of injuries sustained in war. (The deaths of Oregon residents who died outside the U.S. while on active-duty are not reported to Oregon's Center for Health Statistics by the U.S. Department of Defense.)
- 35 Including accidental, suicidal, homicidal, and undetermined intent gunshot deaths (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0).
- 36 Including: alcoholic mental/behavioral disorders, degeneration of nervous system, polyneuropathy, alcoholic myopathy, cardiomyopathy, gastritis, liver disease, chronic pancreatitis, alcohol in the blood, accidental poisoning by alcohol, intentional self-poisoning, and poisoning of undetermined intent.
- 37 The ICD-10 codes for the above categories are E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K86.0, R78.0, X45, X65, and Y15. respectively. (Note: The ICD10 codes were changed for 2004 data causing minor differences in category totals.)
- 38 Includes a variety of conditions affecting multiple organ systems, such as poisonings/overdoses and mental/behavioral disorders due to substance use/abuse. Drug-induced hypoglycemia and drug-induced Parkinsonism are also included here.
- 39 The ICD 10 codes for the above categories are: D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, L10.5, L27.0-L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R78.1-R78.5, X40-X44, X60-X64, X85, Y10-Y14. (Note: The ICD10 codes were changed for 2004 data causing minor differences in category totals.)
- 40 Recorded as a separate item on the death certificate by the Medical Examiner.
 - Quantity is 0.

TABLE 6-7f. Female Death Rates for Selected Causes by Age, Oregon Residents, 2004

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	848.4	439.6	24.7	12.7	44.1	50.2	130.4	292.9	800.9	1,791.0	4,549.4	14,148.2
Infections & Parasitic Disease (A00-B99)	13.1	—	—	—	0.4	1.7	5.1	13.1	21.6	23.7	66.9	126.4
Tuberculosis (A16-A19)	0.2	—	—	—	—	—	—	—	—	0.8	2.0	—
Meningococcal infection (A39)	0.1	—	—	—	—	—	—	—	—	—	—	2.4
Septicemia (A40-A41)	5.5	—	—	—	0.4	0.8	1.4	2.6	8.0	12.3	32.4	60.8
Creutzfeldt-Jacob disease (A81.0)	0.1	—	—	—	—	—	—	—	0.6	—	1.0	—
Viral hepatitis (B15-B19)	2.2	—	—	—	—	—	1.1	4.5	6.8	5.7	6.1	2.4
HIV/AIDS (B20-B24) ³	0.4	—	—	—	—	0.4	1.4	0.7	0.6	—	—	—
Malignant Neoplasms (C00-C97)	194.5	—	4.5	1.2	3.7	6.3	28.9	105.3	358.5	671.6	1,120.9	1,485.1
Lip, oral cavity & pharynx (C00-C14)	2.0	—	—	—	—	—	—	0.7	2.5	7.4	13.2	19.4
Digestive organs (C15-26)	41.6	—	1.1	—	0.4	1.3	4.0	18.7	59.8	134.8	246.3	437.5
Esophagus (C15)	2.4	—	—	—	—	—	0.4	0.7	2.5	11.4	17.2	14.6
Stomach (C16)	3.2	—	—	—	—	0.4	1.1	2.6	4.9	9.8	14.2	29.2
Colon, rectum & anus (C18-C21)	17.6	—	—	—	—	0.4	1.1	7.5	27.1	52.3	98.3	216.3
Colon (C18)	13.6	—	—	—	—	0.4	0.7	3.4	22.2	41.7	78.0	170.1
Rectosigmoid junction (C19)	1.3	—	—	—	—	—	0.4	—	2.5	—	7.1	26.7
Rectum (C20)	2.1	—	—	—	—	—	—	2.6	2.5	7.4	10.1	19.4
Liver & intrahepatic bile ducts (C22)	3.1	—	1.1	—	0.4	0.4	0.4	3.0	3.7	10.6	23.3	4.9
Pancreas (C25)	13.0	—	—	—	—	—	0.7	4.1	20.3	43.3	77.0	143.4
Respiratory, intrathoracic org'ns (C30-C39)	55.2	—	—	—	—	—	4.7	20.5	116.4	253.3	323.3	272.2
Larynx (C32)	0.9	—	—	—	—	—	—	0.4	3.7	3.3	5.1	2.4
Trachea, bronchus & lung (C33-C34)	54.0	—	—	—	—	—	4.3	20.2	112.1	248.4	317.2	267.4
Bronchus & lung (C34)	54.0	—	—	—	—	—	4.3	20.2	112.1	248.4	317.2	267.4
Skin (C43-C44)	3.2	—	—	—	0.4	—	1.1	3.4	7.4	6.5	17.2	19.4
Melanoma of skin (C43)	2.5	—	—	—	0.4	—	1.1	3.4	6.8	4.9	13.2	7.3
Mesothelioma (C45)	0.3	—	—	—	—	—	—	—	—	0.8	3.0	2.4
Breast (C50)	28.3	—	—	—	—	1.7	8.3	29.1	67.8	73.5	124.7	204.2
Female genital organs (C51-58)	20.8	—	—	—	0.4	—	4.0	14.6	43.7	62.9	116.5	150.7
Cervix uteri (C53)	1.6	—	—	—	—	—	1.4	1.9	6.2	5.7	3.0	—
Corpus uteri (C54-C55) ⁴	4.3	—	—	—	—	—	0.7	1.1	10.5	11.4	26.3	38.9
Ovary (C56)	13.5	—	—	—	0.4	—	1.4	10.5	25.3	39.2	82.1	99.7
Male genital organs (C60-C63)	—	—	—	—	—	—	—	—	—	—	—	—
Prostate (C61)	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

TABLE 6-7f. Female Death Rates for Selected Causes by Age, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Kidney & renal pelvis (C64-C65)	3.2	—	—	—	—	—	—	1.9	5.5	9.8	21.3	24.3
Bladder (C67)	2.9	—	—	—	—	—	0.4	0.7	3.1	11.4	20.3	26.7
Brain, etc. (C70-C72) ⁵	5.0	—	—	—	0.4	0.8	1.4	3.0	14.8	18.0	19.3	26.7
Thyroid/endocrine gland (C73-C75)	0.7	—	—	0.4	—	0.4	—	—	2.5	3.3	—	4.9
Lymphoid & hematopoietic (C81-C96)	17.8	—	3.4	0.4	0.8	1.7	2.2	8.2	17.9	48.2	114.5	199.3
Hodgkin's disease (C81)	0.2	—	—	—	—	0.4	—	0.4	—	—	1.0	—
Non-Hodgkin's lymphoma (C82-C85)	7.5	—	—	—	—	—	1.1	3.7	9.9	19.6	44.6	94.8
Leukemia (C91-C95)	6.2	—	3.4	0.4	0.8	1.3	1.1	3.4	3.1	16.3	37.5	70.5
Lymphoid leukemia (C91)	1.3	—	—	—	—	—	—	0.4	0.6	5.7	5.1	24.3
Myeloid leukemia (C92)	3.3	—	1.1	—	—	1.3	1.1	2.6	2.5	7.4	21.3	26.7
Multiple myeloma (C88, C90) ⁶	3.9	—	—	—	—	—	—	0.7	4.9	12.3	31.4	34.0
Neopla. Not Specif. As Malign. (D00-D48)⁷	5.5	—	—	0.4	0.4	0.4	0.7	0.7	3.1	16.3	33.4	85.1
Myelodysplastic syndromes (D46)	1.5	—	—	—	0.4	—	—	—	0.6	5.7	9.1	21.9
Diseases of the Blood (D50-89)⁸	3.8	4.5	—	0.4	0.4	0.4	0.7	1.9	4.3	5.7	21.3	55.9
Anemias (D50-D64)	1.9	—	—	—	0.4	—	—	0.4	1.8	1.6	8.1	46.2
Endocrine & Nutritional Dis. (E00-E88)⁹	37.9	—	1.1	—	0.4	2.1	8.7	14.9	47.4	105.4	218.9	464.2
Diabetes mellitus (E10-E14)	29.3	—	—	—	0.4	1.7	5.4	10.8	35.7	92.3	166.2	354.9
Nutritional deficiencies (E40-E64)	0.6	—	—	—	—	—	—	0.4	—	1.6	2.0	14.6
Malnutrition (E40-E46)	0.5	—	—	—	—	—	—	—	—	1.6	2.0	12.2
Mental Disorders (F01-F99)¹⁰	35.8	—	—	—	1.2	1.7	3.3	9.7	6.8	31.0	170.3	940.6
Organic dementia (F01, F03)	29.7	—	—	—	—	—	—	—	1.2	16.3	148.0	896.9
Due to alcohol (F10) ¹¹	2.3	—	—	—	0.4	—	1.4	6.0	4.9	6.5	3.0	2.4
Due to psychoactive substance (F11-F19)	1.7	—	—	—	0.4	1.3	1.4	3.0	—	4.1	7.1	7.3
Nervous System Dis. (G00-G99)	67.1	—	2.2	1.2	3.7	2.1	5.4	9.0	28.3	72.7	378.0	1,570.1
Meningitis (G00, G03)	0.3	—	—	—	0.8	—	0.4	—	0.6	—	2.0	—
Amyotrophic lateral sclerosis (G12.2)	3.0	—	—	—	—	—	0.4	1.1	7.4	13.1	20.3	7.3
Parkinson's disease (G20-G21)	7.3	—	—	—	—	—	—	0.4	0.6	11.4	61.8	133.7
Alzheimer's disease (G30)	47.2	—	—	—	—	—	—	0.4	0.6	29.4	254.4	1,370.8
Multiple sclerosis (G35)	2.4	—	—	—	—	—	1.8	3.0	9.2	6.5	6.1	2.4
Epilepsy (G40-G41)	0.4	—	—	—	0.8	0.8	0.4	—	—	—	2.0	2.4
Circulatory System Diseases (I00-I99)	288.8	13.5	1.1	1.6	2.1	5.9	17.7	40.7	155.9	456.7	1,584.0	6,458.0
Major cardiovascular disease (I00-I78)	286.8	9.0	1.1	1.6	2.1	5.4	17.7	40.7	152.8	454.3	1,574.9	6,414.2
Heart disease (I00-I09, I11, I13, I20-I51)	182.9	9.0	1.1	0.8	0.8	2.5	13.4	27.3	110.9	297.4	995.2	4,020.1
Rheumatic heart disease (I00-I09) ¹² ..	2.2	—	—	—	—	—	—	0.7	3.1	3.3	18.2	26.7

See footnotes at end of table.

TABLE 6-7f. Female Death Rates for Selected Causes by Age, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Hypertensive heart disease (I11)	7.0	—	—	—	—	—	1.1	0.7	3.1	5.7	28.4	199.3
Hypertensive heart & renal dis. (I13) ..	1.2	—	—	—	—	—	—	—	0.6	3.3	4.1	29.2
Ischemic heart disease (I20-I25)	102.7	—	—	—	—	1.3	4.7	16.4	73.3	180.6	602.0	2,092.7
Myocardial infarction (I21-I22)	37.5	—	—	—	—	0.4	1.4	8.2	28.3	71.9	228.0	707.3
Other acute ischemic hrt. dis. (I24) ..	0.3	—	—	—	—	—	—	—	—	0.8	1.0	7.3
Chronic isch. heart dis. (I20, I25)	64.9	—	—	—	—	0.8	3.3	8.2	45.0	107.9	372.9	1,378.1
Atheroscler. cardiovascular dis. ¹³	9.1	—	—	—	—	—	0.4	0.4	4.9	8.2	60.8	204.2
Other chr. ischemic heart dis. ¹⁴ ...	55.9	—	—	—	—	0.8	2.9	7.8	40.0	99.7	312.1	1,174.0
Nonrheumatic mitral valve dis. (I34) ...	2.0	—	—	—	—	0.4	0.4	—	1.2	1.6	13.2	43.7
Nonrheumatic aortic valve dis. (I35) ...	9.9	—	—	—	—	—	—	0.4	1.2	7.4	49.7	286.8
Cardiomyopathy (I42)	5.1	—	1.1	0.4	—	0.4	2.5	1.5	7.4	12.3	27.4	60.8
Heart failure (I50)	24.7	4.5	—	—	—	—	0.4	0.4	4.9	29.4	119.6	683.0
Congestive heart failure (I50.0)	24.1	4.5	—	—	—	—	0.4	0.4	4.9	29.4	116.5	666.0
Left ventricular heart failure (I50.1)	—	—	—	—	—	—	—	—	—	—	—	—
Heart failure, unspecified (I50.9)	0.6	—	—	—	—	—	—	—	—	—	3.0	17.0
Hypertension & hyp. renal dis. (I10, I12)	12.2	—	—	—	—	0.4	—	1.5	4.9	15.5	59.8	313.5
Cerebrovascular disease (I60-I69)	76.9	—	—	0.8	1.2	2.5	2.9	9.7	30.8	105.4	428.7	1,803.5
Subarachnoid hemorrhage (I60)	2.3	—	—	—	0.8	0.8	0.7	4.5	5.5	6.5	4.1	7.3
Intracerebral hemorrhage (I61-I62) ¹⁵	11.3	—	—	—	0.4	0.4	0.7	4.1	9.2	25.3	78.0	160.4
Cerebral infarction (I63)	5.7	—	—	—	—	—	—	—	0.6	4.1	31.4	160.4
Stroke (type not specified) (I64)	40.2	—	—	0.4	—	0.4	1.1	1.1	10.5	49.8	212.8	1,047.6
Atherosclerosis (I70)	5.6	—	—	—	—	—	—	0.7	1.8	5.7	28.4	150.7
Aortic aneurysm & dissection (I71)	5.1	—	—	—	—	—	1.1	0.7	2.5	16.3	40.5	58.3
Diseases of arteries (I72-I78) ¹⁶	4.0	—	—	—	—	—	0.4	0.7	1.8	13.9	22.3	68.1
Respiratory System Diseases (J00-J99)	79.2	—	1.1	—	0.4	0.8	3.3	10.8	66.5	226.3	530.0	1,169.1
Influenza & pneumonia (J10-J18)	16.8	—	—	—	0.4	0.8	1.8	2.6	6.8	16.3	87.2	415.6
Influenza (J10-J11)	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonia (J12-J18)	16.8	—	—	—	0.4	0.8	1.8	2.6	6.8	16.3	87.2	415.6
Other acute lower resp. infect'ns (J20-J22)	—	—	—	—	—	—	—	—	—	—	—	—
Acute bronchitis (J20-J21) ¹⁷	—	—	—	—	—	—	—	—	—	—	—	—
Chronic lower respiratory dis. (J40-J47) ¹⁸ ..	49.4	—	—	—	—	—	0.7	6.0	46.8	188.7	357.7	522.6
Bronchitis, chronic & unspec. (J40-J42)	0.3	—	—	—	—	—	—	—	0.6	1.6	1.0	4.9
Emphysema (J43)	6.4	—	—	—	—	—	—	0.7	9.9	29.4	43.6	46.2
Asthma (J45-J46)	1.6	—	—	—	—	—	0.7	0.7	3.7	1.6	9.1	17.0

See footnotes at end of table.

TABLE 6-7f. Female Death Rates for Selected Causes by Age, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Other CLRD (J44, J47)	41.1	—	—	—	—	—	—	4.5	32.7	156.1	304.0	454.5
Bronchiectasis (J47)	0.8	—	—	—	—	—	—	0.4	0.6	2.5	6.1	7.3
Pneumoconioses (J60-J66, J68) ¹⁹	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonitis due to solids & liquids (J69) ...	4.3	—	—	—	—	—	—	—	1.8	5.7	27.4	97.2
Digestive System Diseases (K00-K92)	33.2	—	—	—	0.8	1.3	11.6	25.8	39.4	58.8	142.9	527.4
Peptic ulcer (K25-K28)	2.1	—	—	—	—	—	—	0.4	1.8	5.7	12.2	36.5
Diseases of the appendix (K35-K38)	0.1	—	—	—	—	—	—	—	—	—	—	4.9
Appendicitis (K35-K37)	0.1	—	—	—	—	—	—	—	—	—	—	4.9
Hernia (K40-K46)	0.7	—	—	—	0.4	—	0.7	—	—	1.6	3.0	12.2
Vascular disorders of the intestine (K55)	3.4	—	—	—	—	—	—	—	3.7	6.5	19.3	70.5
Chronic liver disease (K70, K73-K74) ²⁰	8.6	—	—	—	—	0.8	7.9	17.9	23.4	18.0	18.2	12.2
Alcoholic liver disease (K70) ²¹	6.3	—	—	—	—	0.4	7.6	16.4	18.5	9.0	6.1	—
Cholelithiasis (K80-K82) ²²	1.7	—	—	—	—	—	0.7	1.1	—	1.6	7.1	38.9
Diseases of the Skin (L00-L98)²³	0.8	—	—	—	—	—	0.4	0.4	0.6	2.5	1.0	19.4
Musculoskeletal Disease (M00-M99)²⁴	8.1	—	—	—	0.8	—	0.7	2.2	4.9	17.2	37.5	172.6
Genitourinary System Dis. (N00-N99)	17.0	4.5	—	—	0.4	0.8	1.4	3.0	8.0	40.9	86.1	347.6
Nephritis (N00-N07, N17-N19, N25-N27) ²⁵	8.6	—	—	—	0.4	0.4	1.4	1.9	6.2	26.1	47.6	133.7
Acute nephrotic syndrome ²⁶	0.1	—	—	—	—	—	—	—	—	—	1.0	—
Chronic nephritis ²⁷	0.2	—	—	—	—	—	—	—	1.2	0.8	1.0	—
Renal failure (N17-N19)	8.3	—	—	—	0.4	0.4	1.4	1.9	4.9	25.3	45.6	133.7
Kidney infect'ns (N10-N12, N13.6, N15.1) ..	0.7	—	—	—	—	—	—	0.4	—	0.8	4.1	17.0
Urinary tract infection (N39.0)	6.6	—	—	—	—	—	—	0.4	0.6	11.4	31.4	175.0
Hyperplasia of prostate (N40)	—	—	—	—	—	—	—	—	—	—	—	—
Female pelvic inflam. dis. (N70-N76) ²⁸	0.1	—	—	—	—	—	—	—	—	—	—	2.4
Pregnancy & Childbirth (O00-O99)²⁹	0.3	—	—	—	0.4	0.8	1.1	—	—	—	—	—
Perinatal Conditions (P00-P96)	2.5	206.3	—	—	—	—	—	—	—	—	—	—
Congenital Malformations (Q00-Q99)³⁰ ..	3.0	107.7	2.2	—	0.4	0.4	2.2	2.2	2.5	2.5	2.0	14.6
Malformation of the heart (Q20-Q24)	0.6	13.5	—	—	0.4	—	0.4	0.7	0.6	—	—	7.3
Other malf. of the circul. sys. (Q25-Q28)	0.2	4.5	—	—	—	—	0.4	—	—	—	—	2.4
Malf. of the respiratory system (Q30-Q34) ..	0.1	9.0	—	—	—	—	—	—	—	—	—	—
Symptoms & Signs (R00-R99)³¹	12.9	35.9	—	0.4	0.4	—	2.2	5.2	5.5	13.1	49.7	313.5
Senility (R54)	1.7	—	—	—	—	—	—	—	—	—	1.0	72.9
Sudden infant death syndrome (R95)	0.4	35.9	—	—	—	—	—	—	—	—	—	—
External Causes of Death (V01-Y89)	44.7	67.3	12.3	7.4	28.0	25.5	37.2	47.8	47.4	46.6	106.4	398.6

See footnotes at end of table.

TABLE 6-7f. Female Death Rates for Selected Causes by Age, Oregon Residents, 2004 — Continued

Causes of Death (and their ICD-10 codes) ¹	Rate ²	Age Groups										
		< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Accidents (V01-X59, Y85-Y86)	32.4	40.4	10.1	6.6	20.6	13.4	20.6	24.3	33.3	39.2	89.2	381.6
Transport accidents (V01-V99, Y85)	9.8	4.5	5.6	4.5	16.1	6.3	8.3	9.0	13.6	14.7	12.2	17.0
Motor vehicle acc. (Many codes) ³²	9.2	4.5	5.6	4.5	14.8	5.9	7.6	8.6	12.3	13.9	12.2	14.6
Water transport accidents (V90-V94)	0.2	—	—	—	0.4	0.4	0.4	—	0.6	—	—	—
Air transport accidents (V95-V97)	0.1	—	—	—	0.8	—	—	—	—	—	—	—
Nontransport accidents (W00-X59, Y86)	22.6	35.9	4.5	2.0	4.5	7.1	12.3	15.3	19.7	24.5	77.0	364.6
Falls (W00-W19)	12.2	—	—	0.4	—	0.4	1.1	3.0	4.9	13.1	62.8	294.1
Firearms (W32-W34)	—	—	—	—	—	—	—	—	—	—	—	—
Drowning & submersion (W65-W74) ..	0.9	—	3.4	1.2	0.4	1.7	0.7	0.4	1.2	0.8	—	—
Exposure to smoke & fire (X00-X09) ..	0.8	—	—	0.4	0.4	—	0.4	0.7	1.2	4.1	1.0	2.4
Poisoning (X40-X49) ³³	5.0	—	—	—	2.1	4.2	9.4	9.7	9.9	1.6	3.0	4.9
Suicide (X60-X84, Y87.0)	7.8	—	—	0.4	4.9	8.8	11.6	15.3	11.7	4.1	6.1	7.3
Poisoning (X60-X69)	3.7	—	—	—	2.5	2.9	6.1	9.3	4.9	0.8	3.0	—
Hanging/suffocation (X70)	1.2	—	—	0.4	0.8	2.1	1.8	1.9	0.6	—	1.0	4.9
Firearm discharge (X72-X74)	2.2	—	—	—	1.2	3.8	2.2	3.4	5.5	2.5	1.0	—
Homicide (X85-Y09, Y87.1)	1.4	4.5	2.2	0.4	1.2	1.7	1.8	1.9	—	0.8	3.0	—
Firearm discharge (X93-X95)	0.6	—	—	—	0.8	1.3	0.4	1.1	—	—	2.0	—
Legal intervention (Y35, Y89.0)	0.1	—	—	—	—	—	—	0.4	—	—	—	—
Undeterm. intent (Y10-Y34, Y87.2, Y89.9)	2.0	22.4	—	—	0.8	1.7	2.5	4.9	2.5	0.8	1.0	—
War and its sequelae (Y36, Y89.1) ³⁴	—	—	—	—	—	—	—	—	—	—	—	—
Medical care complica'ns (Y40-Y84, Y88) ..	1.1	—	—	—	0.4	—	0.7	1.1	—	1.6	7.1	9.7
<i>Injury by firearms (Many codes)³⁵</i>	2.9	—	—	—	2.1	5.0	2.5	4.9	5.5	2.5	3.0	—
<i>Alcohol-induced deaths (Many codes)^{36,37}</i>	8.6	—	—	—	0.4	0.4	9.0	22.4	23.4	16.3	9.1	2.4
<i>Drug-induced deaths (Many codes)^{38,39}</i>	11.3	—	—	—	5.4	10.0	18.4	24.7	16.6	6.5	11.1	12.2
<i>Injury at work⁴⁰</i>	0.4	—	—	—	—	0.4	0.7	1.1	0.6	0.8	—	—

¹ International Statistical Classification of Diseases and Related Health Problems, Tenth Revision. Geneva: World Health Organization, 1992.

² Rates per 100,000 population.

³ Human immunodeficiency virus/Acquired immune deficiency syndrome.

⁴ Including uterus, part unspecified.

⁵ Including meninges and other parts of the central nervous system.

⁶ Including immunoproliferative neoplasms.

⁷ Including in situ neoplasms, benign neoplasms, and neoplasms of uncertain or unknown behavior.

⁸ Including diseases of the blood forming-organs and disorders involving the immune mechanism.

⁹ Including metabolic diseases.

¹⁰ Including behavioral disorders.

- 11 For all deaths due to alcohol, see "Alcohol-induced deaths" at the end of the table.
- 12 Including acute rheumatic fever.
- 13 The ICD-10 code is I25.0.
- 14 Including angina, arteriosclerotic heart disease, coronary heart disease, and related disorders. The ICD-10 codes are I20, I25.1-I25.9.
- 15 Including other intracranial hemorrhages.
- 16 Including diseases of the arterioles and capillaries.
- 17 Including acute bronchiolitis.
- 18 Formerly chronic obstructive pulmonary disease (COPD).
- 19 Including respiratory conditions due to inhalation of chemicals, gases, fumes and vapors.
- 20 Including liver cirrhosis.
- 21 For all deaths due to alcohol, see "Alcohol-induced deaths" at the end of the table.
- 22 Including other diseases of the gallbladder.
- 23 Including subcutaneous tissues.
- 24 Including connective tissue.
- 25 Including nephrotic syndrome and nephrosis.
- 26 Including acute and rapidly progressive nephritic and nephrotic syndrome.
- 27 Including chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified.
- 28 Inflammatory diseases of female pelvic organs.
- 29 Including the puerperium.
- 30 including congenital deformations and chromosomal abnormalities.
- 31 Including abnormal clinical and laboratory findings not elsewhere classified.
- 32 Including the following ICD-10 codes: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.
- 33 Including exposure to noxious substances.
- 34 Includes late effects of injuries sustained in war. (The deaths of Oregon residents who died outside the U.S. while on active-duty are not reported to Oregon's Center for Health Statistics by the U.S. Department of Defense.)
- 35 Including accidental, suicidal, homicidal, and undetermined intent gunshot deaths (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0).
- 36 Including: alcoholic mental/behavioral disorders, degeneration of nervous system, polyneuropathy, alcoholic myopathy, cardiomyopathy, gastritis, liver disease, chronic pancreatitis, alcohol in the blood, accidental poisoning by alcohol, intentional self-poisoning, and poisoning of undetermined intent.
- 37 The ICD-10 codes for the above categories are E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K86.0, R78.0, X45, X65, and Y15. respectively.
(Note: The ICD10 codes were changed for 2004 data causing minor differences in category totals.)
- 38 Includes a variety of conditions affecting multiple organ systems, such as poisonings/overdoses and mental/behavioral disorders due to substance use/abuse. Drug-induced hypoglycemia and drug-induced Parkinsonism are also included here.
- 39 The ICD 10 codes for the above categories are: D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, L10.5, L27.0-L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R78.1-R78.5, X40-X44, X60-X64, X85, Y10-Y14. (Note: The ICD10 codes were changed for 2004 data causing minor differences in category totals.)
- 40 Recorded as a separate item on the death certificate by the Medical Examiner.
 - Quantity is 0.

TABLE 6-8. Number of Deaths by Cause and Month of Death, Oregon Residents, 2004

Cause of Death	Total	Month of Death											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total	30,201	2,843	2,485	2,637	2,490	2,498	2,425	2,496	2,432	2,360	2,495	2,398	2,642
Malignant Neoplasms	7,227	621	592	607	603	600	580	605	618	596	571	602	632
Diseases of the Heart	6,687	666	597	620	530	534	500	554	528	468	541	564	585
Cerebrovascular Disease	2,322	237	190	196	189	203	185	199	176	151	195	199	202
Chronic Lower Respiratory Disease	1,770	174	149	174	158	168	141	138	134	112	154	109	159
Unintended Injuries	1,423	95	108	125	115	99	136	152	128	121	125	104	115
Alzheimer's Disease	1,263	105	116	109	100	117	104	106	102	104	99	90	111
Diabetes Mellitus	1,072	106	77	100	88	91	89	71	77	81	99	91	102
Influenza & Pneumonia	554	71	53	46	38	35	35	45	29	51	57	42	52
Suicide	555	40	36	49	45	46	47	56	60	43	46	39	48
Alcohol-induced ¹	510	53	29	47	48	35	45	44	33	49	52	31	44
Hypertension & Renal Hypertension	358	31	27	23	29	38	35	27	17	24	30	30	47
Parkinson's Disease	321	38	22	28	22	32	25	25	25	30	27	24	23
Nephritis, Nephrotic Syndrome, etc.	306	22	33	23	23	22	30	19	22	36	22	31	23
Aortic Aneurysm	199	24	17	21	16	17	9	23	13	16	13	14	16
Septicemia	191	8	13	14	17	7	17	18	17	16	25	14	25
Neoplasms Not Known to be Malig.	184	15	17	14	16	18	12	7	27	12	12	18	16
Arteriosclerosis	174	19	13	11	13	14	18	19	20	14	9	12	12
Pneumonitis Due to Solids & Liquids	171	14	9	21	18	15	7	18	14	15	15	12	13
Congenital Malformations	136	11	12	14	18	8	10	10	8	12	13	14	6
Perinatal Conditions	112	11	3	18	6	12	9	11	8	7	10	8	9
Homicide	112	15	11	5	11	7	10	9	4	15	7	6	12
Viral Hepatitis	107	13	11	9	10	6	5	10	6	10	4	10	13
Amyotrophic Lateral Sclerosis	107	9	14	13	9	11	9	7	6	8	8	8	5
All Other Causes	4,344	445	336	351	369	363	367	323	361	370	361	326	372

¹ See Table 6-6, footnotes 35-36, for a list of included conditions and their ICD codes.

TABLE 6-9. Deaths by Age, Race, and Ethnicity, Oregon Residents, 2004

Race & Ethnicity ¹	Total	Age at Death								
		<1	1-4	5-14	15-19	20-24	25-29	30-34	35-39	40-44
All Races	30,201	252	51	76	130	220	167	221	339	598
Hispanic	511	42	15	12	17	34	16	24	24	35
Non-Hispanic	29,627	210	36	63	112	183	150	196	315	563
Not Stated ²	63	—	—	1	1	3	1	1	—	—
White	29,054	220	46	63	116	200	139	197	316	550
Hispanic	492	40	14	11	16	32	15	24	24	35
Non-Hispanic	28,511	180	32	52	99	167	124	172	292	515
African American	412	14	2	3	4	7	11	10	7	18
Hispanic	1	1	—	—	—	—	—	—	—	—
Non-Hispanic	411	13	2	3	4	7	11	10	7	18
Indian	304	9	2	5	4	7	9	7	12	19
Hispanic	4	1	—	—	—	1	—	—	—	—
Non-Hispanic	300	8	2	5	4	6	9	7	12	19
Chinese (Non-Hispanic) ...	82	—	—	1	—	—	1	2	—	—
Japanese (Non-Hispanic) ...	65	—	—	—	—	—	—	1	—	1
Other Asian & Pac. Is. ³ ...	258	9	—	3	5	2	5	4	4	10
Hispanic	3	—	—	1	—	—	—	—	—	—
Non-Hispanic	255	9	—	2	5	2	5	4	4	10
Other Races & Unk.	26	—	1	1	1	4	2	—	—	—
Hispanic	11	—	1	—	1	1	1	—	—	—

Race & Ethnicity ¹	Age at Death								
	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
All Races	887	1,236	1,443	1,697	2,030	2,736	3,835	4,959	9,324
Hispanic	30	33	33	34	19	27	34	33	49
Non-Hispanic	852	1,200	1,408	1,656	2,004	2,703	3,789	4,917	9,270
Not Stated ²	5	3	2	7	7	6	12	9	5
White	818	1,153	1,358	1,624	1,928	2,644	3,709	4,831	9,142
Hispanic	28	31	33	32	17	26	34	31	49
Non-Hispanic	788	1,120	1,325	1,585	1,905	2,612	3,664	4,791	9,088
African American	22	37	31	32	37	31	44	36	66
Hispanic	—	—	—	—	—	—	—	—	—
Non-Hispanic	22	37	31	32	37	31	44	36	66
Indian	28	21	30	17	22	22	35	30	25
Hispanic	1	—	—	—	—	1	—	—	—
Non-Hispanic	27	21	30	17	22	21	35	30	25
Chinese (Non-Hispanic) ...	3	5	5	3	4	7	10	14	27
Japanese (Non-Hispanic) ...	—	1	2	4	5	8	9	14	20
Other Asian & Pac. Is. ³ ...	12	15	15	15	31	24	27	33	44
Hispanic	—	—	—	—	—	—	—	2	—
Non-Hispanic	12	15	15	15	31	24	27	31	44
Other Races & Unk.	4	4	2	2	3	—	1	1	—
Hispanic	1	2	—	2	2	—	—	—	—

¹ "Hispanic" and "Non-Hispanic" subsets are shown only when at least one death was recorded in the germane category.

² Ethnicity not reported. These cases are included in totals for racial categories only.

³ Includes Hawaiians, Filipinos, Vietnamese, Burmese, Pakistanis and others.

— Quantity is zero.

TABLE 6-10. Deaths by Cause, Race, and Ethnicity, Oregon Residents, 2004

Selected Causes of Death	Total	White	Black	Am. Indian	Chi- nese	Japa- nese	Other Asian ¹	Other & NS	His- panic ²
Total	30,201	29,054	412	304	82	65	258	26	511
Infections & parasitic disease	545	509	7	18	1	1	7	2	14
Septicemia	191	180	1	5	—	1	3	1	2
Viral hepatitis	107	97	3	5	—	—	2	—	6
HIV disease	65	60	2	3	—	—	—	—	3
Malignant neoplasms	7,227	6,957	96	56	20	20	71	7	100
Colon	510	492	7	6	—	1	4	—	3
Pancreas	430	408	6	3	2	—	9	2	7
Bronchus & lung	2,074	2,003	30	15	3	6	16	1	18
Skin	152	151	—	—	—	—	1	—	2
Breast	515	504	6	1	—	1	3	—	11
Prostate	406	396	8	1	—	—	1	—	4
Kidney & renal pelvis	158	154	1	3	—	—	—	—	1
Bladder	191	191	—	—	—	—	—	—	—
Lymphatic	740	711	10	9	2	3	4	1	23
Non-Hodgkin's lymphoma	316	306	4	2	1	1	2	—	10
Leukemia	267	256	4	3	—	1	2	1	9
Benign & uncertain neoplasms	184	179	1	1	2	—	1	—	1
Diabetes mellitus	1,072	1,015	25	18	3	3	7	1	36
Organic dementia	755	743	5	2	1	1	3	—	3
Parkinson's disease	321	314	1	1	2	2	1	—	3
Alzheimer's disease	1,263	1,251	8	—	3	—	1	—	7
Diseases of circulatory system	9,945	9,592	151	71	25	22	82	2	95
Hypertension & hyp. renal dis	358	336	15	—	—	—	7	—	3
Diseases of heart	6,687	6,468	94	50	17	15	42	1	69
Ischemic heart disease	4,271	4,131	56	35	10	10	29	—	43
Myocardial infarction	1,468	1,418	16	17	4	2	11	—	17
Cerebrovascular disease	2,322	2,234	36	12	8	6	25	1	18
Subarachnoid hemorrhage	69	63	2	1	—	—	3	—	4
Intracerebral hemorrhage	375	350	7	3	3	2	9	1	2
Cerebral infarction	162	160	1	—	—	—	1	—	2
Stroke of unspecified type	1,194	1,152	20	8	4	1	9	—	7
Aortic aneurysm	199	187	4	4	—	1	3	—	2
Influenza & pneumonia	554	531	3	9	2	—	8	1	7
Chronic lower respiratory disease ..	1,770	1,735	11	15	4	1	4	—	10
Diseases of the digestive system ...	1,148	1,093	15	27	2	3	7	1	24
Diseases of the genitourinary sys ...	550	524	11	5	1	1	8	—	7
Nephritis, nephrosis, etc.	306	291	7	—	—	1	7	—	4
Perinatal conditions	112	93	9	3	—	—	7	—	19
Congenital malformations	136	129	1	4	—	—	2	—	16
Sudden infant death syndrome	19	16	3	—	—	—	—	—	4
Unintentional injuries	1,423	1,347	12	33	2	5	20	4	83
Suicide	555	535	6	7	3	—	4	—	19
Homicide	112	91	12	2	—	—	4	3	24
Undetermined intent	91	85	2	2	—	—	1	1	4
<i>Alcohol-induced³</i>	<i>510</i>	<i>476</i>	<i>6</i>	<i>23</i>	<i>—</i>	<i>2</i>	<i>2</i>	<i>1</i>	<i>15</i>
<i>Drug-induced³</i>	<i>471</i>	<i>447</i>	<i>9</i>	<i>13</i>	<i>1</i>	<i>—</i>	<i>—</i>	<i>1</i>	<i>10</i>
<i>Injury by firearms³</i>	<i>383</i>	<i>353</i>	<i>18</i>	<i>6</i>	<i>1</i>	<i>—</i>	<i>5</i>	<i>—</i>	<i>23</i>

¹ Including Pacific Islanders.

² Decedents of Hispanic ethnicity may belong to any race. See Table 6-9.

³ See Table 6-6, footnotes 34-38, for a list of included conditions and their ICD codes.

— Quantity is zero.

TABLE 6-11. Years of Potential Life Lost before Age 65 from the Leading Causes of Death, by Year, Oregon Residents, 1990-2004

Year	Total	Unintentional Injury	Cancer	Heart Disease ¹	Suicide	Perinatal Conditions	Congenital Anomalies	Alcohol-induced ²	Diabetes
1990	117,310	26,397	19,097	10,260	9,609	7,586	6,602	2,647	1,181
1991	113,112	23,842	19,215	11,005	9,801	6,291	6,710	2,582	1,388
1992	114,350	21,758	18,655	10,670	10,492	7,069	6,220	2,845	1,916
1993	123,280	25,797	19,747	12,169	9,772	5,391	7,125	3,334	1,594
1994	126,313	25,604	21,242	11,189	11,467	6,809	5,848	3,491	1,890
1995	128,177	28,912	20,505	12,226	12,029	4,932	5,394	3,856	1,811
1996	126,458	28,627	21,610	12,764	11,304	6,155	5,238	4,086	2,019
1997	120,508	27,322	21,233	12,748	10,937	6,596	5,867	3,783	2,036
1998	122,992	27,500	22,356	12,404	11,771	5,128	6,310	4,011	2,447
1999	117,350	21,710	21,254	13,390	9,807	7,276	6,523	3,142	2,441
2000.....	116,864	23,208	21,568	11,693	10,242	6,806	5,442	3,734	2,050
2001.....	118,229	22,052	22,574	11,589	10,566	7,276	5,651	4,484	2,422
2002.....	125,287	22,563	22,994	12,333	10,150	7,766	6,114	4,582	2,575
2003.....	126,196	25,182	21,504	12,676	10,716	7,441	5,225	5,522	3,376
2004.....	124,287	25,424	21,652	11,505	10,614	7,276	5,551	5,486	3,528
Year	Homicide ³	Cerebrovascular Disease	Undetermined External Cause	Chronic Lower Respiratory Disease	Acquired Immune Deficiency Syndrome	Viral Hepatitis	Sudden Infant Death Syndrome	Pneumonia and Influenza	Septicemia
1990	3,505	1,770	1,427	1,341	4,778	316	7,098	1,494	332
1991	4,152	1,801	1,112	1,309	5,796	288	5,484	900	113
1992	4,973	2,087	1,706	1,213	6,479	216	5,423	1,224	423
1993	4,475	2,399	1,746	1,424	7,884	475	5,873	1,469	302
1994	5,568	2,799	1,747	1,309	8,419	593	4,064	1,434	374
1995	5,139	2,052	2,021	1,509	8,214	678	4,906	901	205
1996	4,884	2,277	2,265	1,625	5,559	608	3,033	1,115	501
1997	4,081	2,432	1,413	1,660	2,286	663	2,323	1,313	185
1998	4,224	2,520	1,342	1,392	1,668	951	2,903	1,177	615
1999	3,724	2,226	1,596	1,720	1,700	620	1,679	768	975
2000.....	2,918	2,036	1,472	1,517	1,432	1,020	3,292	588	869
2001.....	2,938	2,583	1,910	1,485	1,417	923	1,872	968	684
2002.....	3,700	2,461	2,571	1,655	1,833	1,488	2,000	1,317	768
2003.....	2,662	2,504	2,628	1,927	1,776	1,189	1,484	1,092	658
2004.....	3,446	2,804	2,409	1,604	1,270	1,167	1,226	864	739

1 Includes alcoholic cardiomyopathy.

2 See Table 6-6, footnotes 35-36, for a list of included conditions and their ICD codes. Prior to 1999, figures do not include deaths due to alcohol poisoning.

3 Excludes legal intervention.

TABLE 6-12. Years of Potential Life Lost by Cause and Sex, Oregon Residents, 2004

Selected Causes of Death	Before Age 65			Before Age 75			Before Age 85		
	Total	M	F	Total	M	F	Total	M	F
Total	124,352	78,619	45,732	221,453	136,644	84,808	387,023	229,853	157,169
Infections & parasitic disease ...	4,217	2,977	1,240	7,337	5,039	2,298	11,298	7,509	3,789
Septicemia	739	368	371	1,481	748	733	2,584	1,283	1,301
Viral hepatitis	1,167	842	325	2,105	1,481	624	3,146	2,147	999
HIV disease	1,270	1,112	158	1,902	1,664	238	2,546	2,228	318
Malignant neoplasms	21,652	11,268	10,384	50,892	26,557	24,335	101,544	53,121	48,423
Colon	942	531	411	2,514	1,366	1,148	5,574	3,012	2,562
Pancreas	947	561	386	2,647	1,528	1,119	5,617	3,092	2,525
Bronchus & lung	4,535	2,553	1,982	13,500	7,453	6,047	29,476	16,085	13,391
Skin	669	358	311	1,384	780	604	2,458	1,429	1,029
Breast	2,462	18	2,444	5,119	28	5,091	8,869	43	8,826
Cervical	241	–	241	476	–	476	748	–	748
Uterine	186	–	186	449	–	449	950	–	950
Ovarian	767	–	767	1,782	–	1,782	3,423	–	3,423
Prostate	288	288	–	959	959	–	2,926	2,926	–
Kidney & renal pelvis	425	327	98	1,112	814	298	2,190	1,532	658
Bladder	281	213	68	842	623	219	1,983	1,443	540
Brain	1,473	1,031	442	2,834	1,891	943	4,586	2,930	1,656
Lymphatic	2,957	1,859	1,098	5,483	3,458	2,025	10,117	6,284	3,833
Benign & uncertain neoplasms	468	220	248	889	436	453	1,799	872	927
Diabetes mellitus	3,528	2,240	1,288	7,497	4,550	2,947	14,277	8,246	6,031
Organic dementia	48	45	3	292	190	102	1,602	709	893
Meningitis	120	–	120	160	–	160	212	–	212
Amyotrophic lateral sclerosis	379	252	127	872	503	369	1,743	939	804
Parkinson's disease	47	35	12	276	218	58	1,505	1,041	464
Alzheimer's disease	36	23	13	374	170	204	2,851	1,150	1,701
Epilepsy	475	287	188	635	397	238	806	507	299
Diseases of circulatory system	15,779	10,569	5,210	36,048	23,734	12,314	78,088	48,570	29,518
Hypertension	476	336	140	1,040	672	368	2,199	1,255	944
Heart disease	11,505	8,044	3,460	26,449	18,176	8,272	56,187	36,643	19,543
Cerebrovascular disease	2,804	1,554	1,250	6,221	3,399	2,822	14,535	7,541	6,994
Arteriosclerosis	65	21	44	242	115	127	778	416	362
Aortic aneurysm	418	295	123	959	656	303	2,145	1,377	768
Influenza & pneumonia	864	480	385	1,670	938	733	3,420	1,864	1,556
Chronic lower respiratory dis. ...	1,604	942	662	5,848	3,162	2,686	16,318	8,440	7,879
Pneumonitis due to solids/liq. ...	135	113	22	321	248	73	831	535	296
Digestive system disease	5,633	3,236	2,397	10,629	6,159	4,470	17,683	10,100	7,583
Genitourinary system disease ..	931	468	463	1,908	898	1,010	4,035	1,833	2,202
Nephritis, nephrosis, etc.	624	325	299	1,269	602	667	2,618	1,194	1,424
Pregnancy & childbirth	197	–	197	257	–	257	317	–	317
Perinatal conditions	7,276	4,288	2,988	8,396	4,948	3,448	9,516	5,608	3,908
Congenital malformations	5,551	3,539	2,012	6,720	4,254	2,466	7,959	5,014	2,945
Sudden infant death syndrome	1,226	710	516	1,416	820	596	1,606	930	676
Unintentional injuries	25,424	17,277	8,147	34,830	23,521	11,309	45,572	30,432	15,140
Suicide	10,614	7,713	2,901	15,294	11,101	4,193	20,387	14,848	5,539
Homicide	3,446	2,695	750	4,502	3,540	962	5,602	4,406	1,196
Undetermined intent	2,409	1,468	941	3,284	1,984	1,300	4,188	2,523	1,665
Legal intervention	291	275	16	391	365	26	491	455	36
<i>Alcohol-induced</i>	5,486	3,639	1,847	9,877	6,656	3,221	14,785	10,056	4,729
<i>Drug-induced</i>	9,245	5,404	3,841	13,592	7,884	5,708	18,121	10,469	7,652
<i>Injury by firearms</i>	7,458	6,346	1,112	10,590	9,003	1,587	14,070	11,979	2,091

Note: A zero indicates no deaths occurred before the base age, while a dash indicates no deaths of any kind.

TABLE 6-13. Median Age at Death by Year and Cause, Oregon Residents, 1990-2004

Year	All Causes	Cancer	Heart Disease ¹	Cerebrovascular Disease	Chronic Lower Respiratory Disease	Unintentional Injury	Alzheimer's Disease	Diabetes
1990	76	72	79	82	75	40	84	74
1991	76	72	79	82	75	40	84	75
1992	76	72	79	82	75	45	84	74
1993	77	72	80	82	76	43	85	75
1994	77	72	80	82	76	44	85	75
1995	77	73	80	83	76	42	85	75
1996	77	73	81	83	77	43	85	75
1997	78	73	80	83	77	44	86	75
1998	78	73	80	83	77	44	86	76
1999	78	74	81	83	77	48	86	75
2000	78	74	81	84	78	49	86	76
2001	78	74	81	83	78	52	86	77
2002	79	73	81	83	78	54	86	77
2003	78	74	81	84	78	51	86	76
2004	79	74	82	84	78	52	86	76

Year	Suicide	Pneumonia and Influenza	Alcohol-induced ¹	Parkinson's Disease	Arteriosclerosis	Homicide ²	HIV Disease	Exteranal Causes of Undetermined Intent
1990	42	85	61	82	85	29	38	37
1991	42	83	61	81	86	30	38	38
1992	42	84	60	82	84	32	38	38
1993	43	85	59	83	84	32	38	33
1994	42	84	58	81	86	32	38	37
1995	41	84	56	82	84	31	40	38
1996	42	84	58	82	86	30	39	37
1997	45	85	57	82	85	34	41	40
1998	44	85	56	83	85	31	40	42
1999	45	86	55	83	85	31	41	39
2000	46	85	57	82	85	36	41	43
2001	44	86	56	82	85	37	42	43
2002	46	86	55	83	84	29	43	44
2003	48	86	55	82	85	34	45	42
2004	47	86	55	83	85	34	44	43

1 See Table 6-6, footnotes 35-38, for a list of included conditions and their ICD codes. Components of this category are included both here and in their comprehensive categories (e.g., alcoholic cardiomyopathy and heart disease). Prior to 1999, figures do not include deaths due to alcohol poisoning.

2 Excludes legal intervention deaths.

TABLE 6-14. Selected Causes of Death among Infants, Children, and Adolescents, by Age, Oregon Residents Less Than 20 Years Old, 2004

Manner and Cause of Death	Total	Age Groups								
		0-17	1-17	13-19	<1	1-4	5-9	10-14	15-17	18-19
Total	509	427	175	151	252	51	39	37	48	82
Total Natural Causes	298	283	65	29	218	22	21	15	7	15
Perinatal Conditions	112	112	—	—	112	—	—	—	—	—
Congenital Anomalies ...	74	73	9	3	64	5	2	1	1	1
Cancer	25	20	19	10	1	6	6	4	3	5
SIDS	19	19	—	—	19	—	—	—	—	—
Heart Disease	17	15	5	3	10	1	2	2	—	2
Epilepsy	3	2	2	2	—	—	—	2	—	1
Cerebral Palsy	3	3	3	—	—	—	3	—	—	—
Cerebrovascular Dis.	3	3	3	1	—	—	2	—	1	—
Pneumonia & Influenza	2	1	—	1	1	—	—	—	—	1
Other	40	35	24	9	11	10	6	6	2	5
Total External Causes¹ ..	211	144	110	122	34	29	18	22	41	67
<u>Unintentional Injuries</u>	157	107	87	88	20	24	17	18	28	50
Motor Vehicle Crash ...	87	54	52	58	2	11	12	11	18	33
Drowning ²	22	15	15	13	—	6	2	3	4	7
Suffocation	22	21	5	1	16	2	1	2	—	1
In Bed	12	12	—	—	12	—	—	—	—	—
Poisoning	6	1	1	6	—	—	—	—	1	5
Medications	6	1	1	6	—	—	—	—	1	5
Falls	3	3	2	1	1	—	—	2	—	—
Fires	3	3	3	—	—	2	1	—	—	—
Gunshot Wound	2	—	—	2	—	—	—	—	—	2
Other	12	10	9	7	1	3	1	—	5	2
<u>Suicide</u>	18	10	10	18	—	—	—	2	8	8
Hanging, etc.	8	4	4	8	—	—	—	1	3	4
Gunshot Wound	6	4	4	6	—	—	—	1	3	2
Poisoning	2	2	2	2	—	—	—	—	2	—
Medications	1	1	1	1	—	—	—	—	1	—
Other	2	—	—	2	—	—	—	—	—	2
<u>Homicide</u>	23	16	13	14	3	5	1	2	5	7
Gunshot Wound	12	6	6	12	—	—	—	2	4	6
Child Abuse/Neglect ³	2	2	1	—	1	1	—	—	—	—
Strangulation, etc.	—	—	—	—	—	—	—	—	—	—
Other	9	8	6	2	2	4	1	—	1	1
<u>Undetermined Intent</u>	12	11	—	1	11	—	—	—	—	1
Suffocation, etc.	8	8	—	—	8	—	—	—	—	—
Gunshot Wound	—	—	—	—	—	—	—	—	—	—
Drowning	—	—	—	—	—	—	—	—	—	—
Other	4	3	—	1	3	—	—	—	—	1
<i>Gunshot (Any Manner)</i>	20	10	10	20	—	—	—	3	7	10
<i>Drug-induced⁴</i>	8	2	2	8	—	—	—	—	2	6
<i>Alcohol-induced⁴</i>	1	1	1	1	—	—	—	—	1	—

¹ Included in the external cause total, but not shown as a subset, are deaths resulting from complications of medical and surgical care (Y40-Y84, Y88); therefore, the sums of the subsets under external causes may not equal the total shown.

² Includes both drownings that involved watercraft (ICD-10: V90, V92) as well as those that did not (ICD-10: W65-W74).

³ Abuse and neglect deaths are underreported on death certificates.

⁴ Includes overdoses which occurred by any manner, as well as deaths, when present, resulting from substance abuse (O35.4 and P04.3) by mothers during pregnancy, a cause not included in this category elsewhere in this report.

— Quantity is zero.

TABLE 6-15. Deaths Due to Alcohol or Drugs by Sex, Age, Race/Ethnicity, and Educational Attainment, Oregon Residents, 2004

Demographic Characteristics	Total		Chronic Alcoholic Liver Disease		Other Alcohol-induced		Opioid Use		Other Drug-induced		Unintended Injuries		Suicides		Undetermined Intent	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Total	981	100	302	100	207	100	28	100	80	100	218	100	93	100	53	100
Sex																
Male	621	63	189	63	165	80	21	75	55	69	130	60	32	34	29	55
Female	360	37	113	37	42	20	7	25	25	31	88	40	61	66	24	45
Age																
15-17	3	<0.5	—	—	1	<0.5	—	—	—	—	1	<0.5	1	1	—	—
18-19	6	1	—	—	—	—	—	—	—	—	5	2	—	—	1	2
20-24	19	2	—	—	—	—	—	—	1	1	6	3	5	5	7	13
25-34	70	7	4	1	3	1	5	18	7	9	38	17	7	8	6	11
35-44	196	20	38	13	27	13	11	39	15	19	67	31	27	29	11	21
45-54	322	33	111	37	67	32	10	36	15	19	67	31	33	35	19	36
55-64	201	20	86	28	56	27	2	7	10	12	27	12	14	15	6	11
65-74	94	10	42	14	34	16	—	—	11	14	3	1	2	2	2	4
75-84	56	6	19	6	15	7	—	—	16	20	2	1	3	3	1	2
85+	14	1	2	1	4	2	—	—	5	6	2	1	1	1	—	—
Race/Ethnicity																
White	923	94	280	93	195	94	24	86	77	96	205	94	90	97	52	98
African American	15	2	3	1	3	1	3	11	1	1	4	2	1	1	—	—
Indian	36	4	18	6	5	2	1	4	2	2	8	4	1	1	1	2
Chinese & Japanese	3	<0.5	1	<0.5	1	<0.5	—	—	—	—	—	—	1	1	—	—
Other Asian & Pac. Isl. ...	2	<0.5	—	—	2	1	—	—	—	—	—	—	—	—	—	—
Other & N.S.	2	<0.5	—	—	1	<0.5	—	—	—	—	1	<0.5	—	—	—	—
Hispanic	25	3	9	3	5	2	1	4	2	2	6	3	—	—	2	4
Years of Education																
<9	43	4	11	4	8	4	1	4	10	12	7	3	1	1	5	9
9-11	131	13	33	11	23	11	9	32	9	11	42	19	10	11	5	9
12	461	47	143	47	106	51	14	50	38	48	96	44	41	44	23	43
13-15	201	20	66	22	36	17	3	11	15	19	42	19	25	27	14	26
16	81	8	27	9	16	8	1	4	3	4	23	11	9	10	2	4
17+	35	4	16	5	7	3	—	—	2	2	2	1	5	5	3	6
Not Stated	29	3	6	2	11	5	—	—	3	4	6	3	2	2	1	2

Note: Please see the footnote at the bottom of Table 6-16.

TABLE 6-16. Deaths Due to Alcohol or Drugs by County of Residence, Oregon, 2004

County of Residence	Total		Chronic Alcoholic Liver Disease		Other Alcohol-induced		Opioid Use		Other Drug-induced		Unintended Injuries		Suicides		Undetermined Intent	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Total	981	100	302	100	207	100	28	100	80	100	218	100	93	100	53	100
Baker	2	<0.5	1	<0.5	—	—	—	—	—	—	1	<0.5	—	—	—	—
Benton	14	1	5	2	4	2	—	—	2	2	2	1	—	—	1	2
Clackamas	85	9	28	9	21	10	3	11	8	10	18	8	4	4	3	6
Clatsop	15	2	4	1	—	—	—	—	2	2	6	3	3	3	—	—
Columbia	15	2	4	1	3	1	—	—	3	4	1	<0.5	2	2	2	4
Coos	18	2	6	2	3	1	—	—	4	5	2	1	3	3	—	—
Crook	5	1	4	1	—	—	—	—	—	—	1	<0.5	—	—	—	—
Curry	10	1	4	1	1	<0.5	—	—	—	—	3	1	2	2	—	—
Deschutes	39	4	11	4	15	7	—	—	3	4	5	2	4	4	1	2
Douglas	21	2	7	2	3	1	—	—	3	4	7	3	1	1	—	—
Grant	4	<0.5	1	<0.5	2	1	—	—	—	—	1	<0.5	—	—	—	—
Harney	1	<0.5	—	—	—	—	—	—	—	—	1	<0.5	—	—	—	—
Hood River	2	<0.5	—	—	1	<0.5	—	—	—	—	1	<0.5	—	—	—	—
Jackson	62	6	18	6	9	4	—	—	5	6	18	8	10	11	2	4
Jefferson	11	1	9	3	—	—	—	—	1	1	1	<0.5	—	—	—	—
Josephine	27	3	12	4	6	3	—	—	2	2	7	3	—	—	—	—
Klamath	24	2	9	3	9	4	—	—	1	1	2	1	2	2	1	2
Lake	3	<0.5	—	—	2	1	—	—	—	—	1	<0.5	—	—	—	—
Lane	103	10	31	10	25	12	—	—	5	6	25	11	13	14	4	8
Lincoln	17	2	7	2	3	1	—	—	1	1	1	<0.5	4	4	1	2
Linn	33	3	16	5	6	3	1	4	1	1	7	3	1	1	1	2
Malheur	4	<0.5	2	1	1	<0.5	—	—	—	—	1	<0.5	—	—	—	—
Marion	67	7	23	8	10	5	1	4	7	9	11	5	12	13	3	6
Morrow	2	<0.5	2	1	—	—	—	—	—	—	—	—	—	—	—	—
Multnomah	249	25	52	17	49	24	20	71	22	28	65	30	17	18	24	45
Polk	17	2	8	3	6	3	—	—	1	1	2	1	—	—	—	—
Sherman	1	<0.5	1	<0.5	—	—	—	—	—	—	—	—	—	—	—	—
Tillamook	9	1	1	<0.5	—	—	1	4	2	2	3	1	2	2	—	—
Umatilla	13	1	7	2	3	1	—	—	1	1	1	<0.5	1	1	—	—
Union	5	1	3	1	1	<0.5	—	—	—	—	1	<0.5	—	—	—	—
Wallowa	3	<0.5	—	—	2	1	—	—	1	1	—	—	—	—	—	—
Wasco	7	1	2	1	3	1	—	—	—	—	2	1	—	—	—	—
Washington	72	7	19	6	16	8	2	7	3	4	16	7	10	11	6	11
Wheeler	1	<0.5	—	—	—	—	—	—	—	—	—	—	—	—	1	2
Yamhill	20	2	5	2	3	1	—	—	2	2	5	2	2	2	3	6

Note: "See Table 6-6, footnotes 35-38, for a list of included conditions and their ICD codes. Non-suicide drug overdoses are included in "Opioid Abuse" and "Other Drug Abuse" if the decedent was reported to be a chronic drug abuser or in "Unintentional Injuries" or "Undetermined Intent," if not so indicated. Deaths due to tobacco use are not included here; see Table 6-19. *Only age groups or counties with at least one alcohol/drug death are shown. Hispanics may be of any race.* A dash indicates the quantity is zero.

**TABLE 6-17. Tobacco-linked Deaths by Sex, Age, and Education,
Oregon Residents, 2004**

Sex, Age, and Education	Total	Linked ¹		Not Linked		Unknown	
		Number	Percent	Number	Percent	Number	Percent
Both Sexes							
Total	30,201	6,576	21.8	16,108	53.3	7,517	24.9
< 25 ²	729	—	—	568	77.9	161	22.1
25-34	388	8	2.1	220	56.7	160	41.2
35-44	937	92	9.8	494	52.7	351	37.5
45-54	2,123	431	20.3	996	46.9	696	32.8
55-64	3,140	993	31.6	1,269	40.4	878	28.0
65-74	4,766	1,808	37.9	1,890	39.7	1,068	22.4
75-84	8,794	2,282	25.9	4,396	50.0	2,116	24.1
85-94	7,938	914	11.5	5,203	65.5	1,821	22.9
95+	1,386	48	3.5	1,072	77.3	266	19.2
Median	79	74	~	81	~	77	~
Male							
Total	14,876	3,771	25.3	6,936	46.6	4,169	28.0
< 25 ²	471	—	—	356	75.6	115	24.4
25-34	268	6	2.2	148	55.2	114	42.5
35-44	576	51	8.9	296	51.4	229	39.8
45-54	1,339	300	22.4	580	43.3	459	34.3
55-64	1,840	609	33.1	651	35.4	580	31.5
65-74	2,574	1,004	39.0	948	36.8	622	24.2
75-84	4,305	1,260	29.3	1,912	44.4	1,133	26.3
85-94	3,139	511	16.3	1,790	57.0	838	26.7
95+	364	30	8.2	255	70.1	79	21.7
Median	76	74	~	78	~	74	~
Female							
Total	15,325	2,805	18.3	9,172	59.8	3,348	21.8
< 25 ²	258	—	—	212	82.2	46	17.8
25-34	120	2	1.7	72	60.0	46	38.3
35-44	361	41	11.4	198	54.8	122	33.8
45-54	784	131	16.7	416	53.1	237	30.2
55-64	1,300	384	29.5	618	47.5	298	22.9
65-74	2,192	804	36.7	942	43.0	446	20.3
75-84	4,489	1,022	22.8	2,484	55.3	983	21.9
85-94	4,799	403	8.4	3,413	71.1	983	20.5
95+	1,022	18	1.8	817	79.9	187	18.3
Median	81	75	~	83	~	80	~
Years of Education³							
<9	3,303	735	22.3	1,778	53.8	790	23.9
9-11	3,081	874	28.4	1,424	46.2	783	25.4
12	12,573	3,027	24.1	6,384	50.8	3,162	25.1
13-15	5,561	1,151	20.7	2,982	53.6	1,428	25.7
16	2,689	437	16.3	1,617	60.1	635	23.6
17+	1,760	242	13.8	1,134	64.4	384	21.8
Not Stated	505	110	21.8	221	43.8	174	34.5

¹ The Oregon death certificate asks 'Did tobacco use contribute to death?' followed by four checkboxes: 'Yes,' 'No,' 'Probably,' and 'Unknown.' The linked category includes deaths listed as 'Yes' or 'Probably.'

² The number of infant deaths due to exposure to tobacco combustion products is underreported.

³ Excludes decedents under 25 years of age.

— Quantity is zero.

TABLE 6-18. Tobacco-linked Deaths by Cause of Death, Oregon Residents, 2004

Selected Causes of Death (and their ICD-10 codes)	Total	Linked ¹		Not Linked		Unknown	
		Number	Percent	Number	Percent	Number	Percent
Total ²	30,201	6,576	21.8	16,108	53.3	7,517	24.9
Malignant Neoplasms	3,465	1,966	56.7	948	27.4	551	15.9
Oral cavity, lip, pharynx (C00.0-C14.8)	94	53	56.4	23	24.5	18	19.1
Esophagus (C15)	205	77	37.6	75	36.6	53	25.9
Stomach (C16)	122	13	10.7	78	63.9	31	25.4
Larynx (C32)	43	39	90.7	2	4.7	2	4.7
Lung, bronchi, and trachea (C33-C34)	2,075	1,666	80.3	156	7.5	253	12.2
Pancreas (C25)	430	39	9.1	313	72.8	78	18.1
Cervix uteri (C53)	29	2	6.9	19	65.5	8	27.6
Renal, upper urinary tract (C64-C66)	163	17	10.4	113	69.3	33	20.2
Urinary bladder (C67)	191	58	30.4	75	39.3	58	30.4
Acute Myeloid Leukemia (C92.0)	113	2	1.8	94	83.2	17	15.0
Cardiovascular Disease	9,437	1,937	20.5	4,877	51.7	2,623	27.8
Hypertension (I10-I13)	582	92	15.8	352	60.5	138	23.7
Ischemic heart disease (I20-I25)							
Aged 35-64	691	280	40.5	149	21.6	262	37.9
Aged 65+	3,564	874	24.5	1,693	47.5	997	28.0
Other heart disease (I27.2-I27.9, I34-I37, I44-I50)	1,603	204	12.7	974	60.8	425	26.5
Cerebrovascular disease (I60-I69)							
Aged 35-64	207	41	19.8	83	40.1	83	40.1
Aged 65+	2,098	259	12.3	1,295	61.7	544	25.9
Atherosclerosis (I70)	174	35	20.1	97	55.7	42	24.1
Aortic aneurysm (I71)	199	59	29.6	84	42.2	56	28.1
Other arterial disease (I72-I73, K55)	214	82	38.3	84	39.3	48	22.4
Pulmonary embolism (I26)	105	11	10.5	66	62.9	28	26.7
Respiratory Diseases	2,324	1,443	62.1	540	23.2	341	14.7
Pneumonia and influenza (J10-J18)	554	55	9.9	370	66.8	129	23.3
Bronchitis and emphysema (J40-J43)	244	213	87.3	10	4.1	21	8.6
Asthma (J45-J46)	49	15	30.6	26	53.1	8	16.3
Other chronic airways obstruction (J44, J47)	1,477	1,160	78.5	134	9.1	183	12.4
Perinatal Conditions ³	75	—	—	68	90.7	7	9.3
Selected Perinatal Conditions ⁴	56	—	—	54	96.4	2	3.6
Sudden Infant Death Syndrome (R95)	19	—	—	14	73.7	5	26.3
Other causes	14,900	1,230	8.3	9,675	64.9	3,995	26.8

¹ The Oregon death certificate asks 'Did tobacco use contribute to death?' followed by four checkboxes: 'Yes,' 'No,' 'Probably,' and 'Unknown.' The linked category includes deaths listed as 'Yes' or 'Probably.'

² The causes of death shown in this table are largely those linked to tobacco use by the Centers for Disease Control and Prevention (CDC. Annual Smoking-Attributable Mortality, Years of Potential Life Lost, and Economic Costs -- United States, 1995-1999. MMWR 2002; 51:300-303.). The categories included above differ somewhat from those included by the CDC, reflecting advances in epidemiological knowledge.

³ The number of infant deaths resulting from exposure to tobacco combustion products is underreported.

⁴ The category includes the following conditions: maternal death due to preterm delivery (O60); infant deaths due to slow fetal growth and fetal malnutrition (P05), other disorders related to short gestation and low birthweight (P07), respiratory distress of newborn (P22), congenital pneumonia (P23), neonatal aspiration syndromes (P24), and other respiratory conditions originating in the perinatal (P25-P28).

— Quantity is zero.

TABLE 6-19. Tobacco-linked Deaths by County of Residence, Oregon, 2004

County of Residence	Total	Linked ¹		Not Linked		Unknown	
		Number	Percent	Number	Percent	Number	Percent
Total	30,201	6,576	21.8	16,108	53.3	7,517	24.9
Baker	207	48	23.2	126	60.9	33	15.9
Benton	486	84	17.3	323	66.5	79	16.3
Clackamas	2,730	546	20.0	1,489	54.5	695	25.5
Clatsop	359	68	18.9	190	52.9	101	28.1
Columbia	402	78	19.4	161	40.0	163	40.5
Coos	828	224	27.1	422	51.0	182	22.0
Crook	173	53	30.6	81	46.8	39	22.5
Curry	284	56	19.7	141	49.6	87	30.6
Deschutes	961	217	22.6	506	52.7	238	24.8
Douglas	1,211	309	25.5	626	51.7	276	22.8
Gilliam	27	4	14.8	19	70.4	4	14.8
Grant	77	19	24.7	48	62.3	10	13.0
Harney	66	15	22.7	34	51.5	17	25.8
Hood River	181	23	12.7	109	60.2	49	27.1
Jackson	1,885	415	22.0	997	52.9	473	25.1
Jefferson	161	31	19.3	84	52.2	46	28.6
Josephine	1,022	266	26.0	572	56.0	184	18.0
Klamath	705	187	26.5	330	46.8	188	26.7
Lake	87	27	31.0	44	50.6	16	18.4
Lane	2,963	669	22.6	1,424	48.1	870	29.4
Lincoln	526	151	28.7	261	49.6	114	21.7
Linn	1,068	242	22.7	636	59.6	190	17.8
Malheur	277	63	22.7	132	47.7	82	29.6
Marion	2,431	537	22.1	1,415	58.2	479	19.7
Morrow	83	26	31.3	36	43.4	21	25.3
Multnomah	5,410	1,068	19.7	2,812	52.0	1,530	28.3
Polk	551	117	21.2	317	57.5	117	21.2
Sherman	20	9	45.0	6	30.0	5	25.0
Tillamook	262	62	23.7	137	52.3	63	24.0
Umatilla	610	124	20.3	271	44.4	215	35.2
Union	232	40	17.2	118	50.9	74	31.9
Wallowa	70	21	30.0	32	45.7	17	24.3
Wasco	285	82	28.8	153	53.7	50	17.5
Washington	2,801	512	18.3	1,620	57.8	669	23.9
Wheeler	22	5	22.7	11	50.0	6	27.3
Yamhill	738	178	24.1	425	57.6	135	18.3

¹ The Oregon death certificate asks 'Did tobacco use contribute to death?' followed by four checkboxes: 'Yes,' 'No,' 'Probably,' and 'Unknown.' The linked category includes deaths listed as 'Yes' or 'Probably.'

TABLE 6-20. Number of Injury Deaths by Intent, Mechanism of Injury, and Age, Oregon Residents, 2004

Intent by Mechanism	Total	Age Groups												
		< 1	1-4	5-9	10-14	15-17	18-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Total External¹	2,219	34	29	18	22	41	67	165	239	326	372	233	138	535
Cut/pierce	26	1	—	—	—	1	—	5	3	5	3	4	2	2
Drowning	66	—	6	2	3	4	6	4	12	12	5	5	4	3
Falls	396	1	—	—	2	—	1	4	5	10	24	25	27	297
Fire, hot object or substance	39	—	2	1	—	—	1	3	1	5	8	5	8	5
Firearm	383	—	—	—	3	7	10	40	54	56	66	60	31	56
Machinery	13	—	1	1	—	—	—	2	2	1	4	—	—	2
All Transportation	531	2	12	12	11	21	35	68	73	66	81	59	41	50
Motor vehicle traffic	467	2	9	12	10	17	33	62	67	59	71	49	32	44
Other land transport acc. ²	40	—	3	—	1	2	—	3	3	6	4	6	6	6
Other transport	24	—	—	—	—	2	2	3	3	1	6	4	3	—
Natural/environmental	17	1	1	—	—	1	—	—	2	3	3	—	1	5
Poisoning	394	—	—	—	—	3	6	20	54	109	128	50	7	17
Struck by or against	14	—	—	1	—	—	1	1	1	3	2	4	1	—
Suffocation	174	24	2	1	3	3	5	11	27	33	22	10	6	27
Other and unspecified	138	5	5	—	—	1	1	7	5	20	21	10	6	57
Adverse effects in medical care	28	—	—	—	—	—	1	—	—	3	5	1	4	14
Unintentional	1,423	20	24	17	18	28	50	89	139	174	197	133	91	443
Cut/pierce	1	—	—	—	—	—	—	—	—	—	—	—	—	1
Drowning	59	—	6	2	3	4	6	4	11	10	4	5	3	1
Falls	381	1	—	—	2	—	—	2	4	8	19	22	26	297
Fire, hot object or substance	35	—	2	1	—	—	—	2	1	4	7	5	8	5
Firearm	7	—	—	—	—	—	2	—	—	2	1	1	—	1
Machinery	13	—	1	1	—	—	—	2	2	1	4	—	—	2
All Transportation	528	2	12	12	11	21	35	68	73	65	80	59	41	49
Motor vehicle traffic	467	2	9	12	10	17	33	62	67	59	71	49	32	44
Other land transport acc. ²	37	—	3	—	1	2	—	3	3	5	3	6	6	5
Other transport	24	—	—	—	—	2	2	3	3	1	6	4	3	—
Natural/environmental	17	1	1	—	—	1	—	—	2	3	3	—	1	5
Poisoning	224	—	—	—	—	1	5	6	38	67	69	28	3	7
Struck by or against	11	—	—	—	—	—	—	1	1	3	1	4	1	—
Suffocation	62	16	2	1	2	—	1	2	3	3	3	4	5	20
Other and unspecified	85	—	—	—	—	1	1	2	4	8	6	5	3	55

See footnotes at end of table.

TABLE 6-20. Number of Injury Deaths by Intent, Mechanism of Injury, and Age, Oregon Residents, 2004 — Continued

Intent by Mechanism	Total	Age Groups												
		< 1	1-4	5-9	10-14	15-17	18-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Suicide	555	—	—	—	2	8	8	52	65	108	121	85	34	72
Cut/pierce	9	—	—	—	—	—	—	1	—	2	1	3	2	—
Drowning	5	—	—	—	—	—	—	—	—	1	1	—	1	2
Falls	11	—	—	—	—	—	1	2	1	—	4	3	—	—
Fire, hot object or substance	2	—	—	—	—	—	1	—	—	—	1	—	—	—
Firearm	300	—	—	—	1	3	2	31	31	40	54	57	28	53
All Transportation	2	—	—	—	—	—	—	—	—	—	1	—	—	1
Other land transport acc. ²	2	—	—	—	—	—	—	—	—	—	1	—	—	1
Poisoning	116	—	—	—	—	2	—	6	10	31	40	16	2	9
Suffocation	101	—	—	—	1	3	4	9	23	29	18	6	1	7
Other and unspecified	9	—	—	—	—	—	—	3	—	5	1	—	—	—
Homicide	112	3	5	1	2	5	7	14	22	19	20	4	6	4
Cut/pierce	16	1	—	—	—	1	—	4	3	3	2	1	—	1
Fire, hot object or substance	2	—	—	—	—	—	—	1	—	1	—	—	—	—
Firearm	64	—	—	—	2	4	6	7	18	11	9	2	3	2
Struck by or against	3	—	—	1	—	—	1	—	—	—	1	—	—	—
Suffocation	3	—	—	—	—	—	—	—	1	1	1	—	—	—
Other and unspecified	24	2	5	—	—	—	—	2	—	3	7	1	3	1
Undetermined	91	11	—	—	—	—	1	9	9	19	27	10	3	2
Drowning	2	—	—	—	—	—	—	—	1	1	—	—	—	—
Falls	4	—	—	—	—	—	—	—	—	2	1	—	1	—
Firearm	2	—	—	—	—	—	—	1	1	—	—	—	—	—
All Transportation	1	—	—	—	—	—	—	—	—	1	—	—	—	—
Other land transport acc. ²	1	—	—	—	—	—	—	—	—	1	—	—	—	—
Poisoning	54	—	—	—	—	—	1	8	6	11	19	6	2	1
Suffocation	8	8	—	—	—	—	—	—	—	—	—	—	—	—
Other and unspecified	20	3	—	—	—	—	—	—	1	4	7	4	—	1
Legal Intervention/War³	10	—	—	—	—	—	—	1	4	3	2	—	—	—
Firearm	10	—	—	—	—	—	—	1	4	3	2	—	—	—

¹ Includes deaths due to complications of medical and surgical care, which are not shown.

² Includes non-traffic accidents involving pedestrians or cyclists (see Table 6-22).

³ Includes late effects of injuries sustained in war. (The deaths of Oregon residents who died outside the U.S. while on active-duty are not reported to the Center for Health Statistics.)

— Quantity is zero.

TABLE 6-21. Injury Death Rates by Intent, Mechanism of Injury, and Age, Oregon Residents, 2004

Intent by Mechanism	Total	Rate ¹	Age Groups												
			< 1	1-4	5-9	10-14	15-17	18-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Total External²	2,219	61.9	74.5	15.9	7.3	8.6	26.5	65.9	68.2	48.3	58.9	69.9	73.0	60.5	235.5
Cut/pierce	26	0.7	2.2	—	—	—	0.6	—	2.1	0.6	0.9	0.6	1.3	0.9	0.9
Drowning	66	1.8	—	3.3	0.8	1.2	2.6	5.9	1.7	2.4	2.2	0.9	1.6	1.8	1.3
Falls	396	11.1	2.2	—	—	0.8	—	1.0	1.7	1.0	1.8	4.5	7.8	11.8	130.7
Fire, hot object or substance	39	1.1	—	1.1	0.4	—	—	1.0	1.2	0.2	0.9	1.5	1.6	3.5	2.2
Firearm	383	10.7	—	—	—	1.2	4.5	9.8	16.5	10.9	10.1	12.4	18.8	13.6	24.6
Machinery	13	0.4	—	0.5	0.4	—	—	—	0.8	0.4	0.2	0.8	—	—	0.9
All Transportation	531	14.8	4.4	6.6	4.9	4.3	13.6	34.4	28.1	14.8	11.9	15.2	18.5	18.0	22.0
Motor vehicle traffic	467	13.0	4.4	4.9	4.9	3.9	11.0	32.5	25.6	13.5	10.7	13.3	15.4	14.0	19.4
Other land transport acc. ³	40	1.1	—	1.6	—	0.4	1.3	—	1.2	0.6	1.1	0.8	1.9	2.6	2.6
Other transport	24	0.7	—	—	—	—	1.3	2.0	1.2	0.6	0.2	1.1	1.3	1.3	—
Natural/environmental	17	0.5	2.2	0.5	—	—	0.6	—	—	0.4	0.5	0.6	—	0.4	2.2
Poisoning	394	11.0	—	—	—	—	1.9	5.9	8.3	10.9	19.7	24.0	15.7	3.1	7.5
Struck by or against	14	0.4	—	—	0.4	—	—	1.0	0.4	0.2	0.5	0.4	1.3	0.4	—
Suffocation	174	4.9	52.6	1.1	0.4	1.2	1.9	4.9	4.5	5.5	6.0	4.1	3.1	2.6	11.9
Other and unspecified	138	3.9	11.0	2.7	—	—	0.6	1.0	2.9	1.0	3.6	3.9	3.1	2.6	25.1
Adverse effects in medical care ..	28	0.8	—	—	—	—	—	1.0	—	—	0.5	0.9	0.3	1.8	6.2
Unintentional	1,423	39.7	43.8	13.1	6.9	7.1	18.1	49.2	36.8	28.1	31.4	37.0	41.7	39.9	195.0
Cut/pierce	1	<.05	—	—	—	—	—	—	—	—	—	—	—	—	0.4
Drowning	59	1.6	—	3.3	0.8	1.2	2.6	5.9	1.7	2.2	1.8	0.8	1.6	1.3	0.4
Falls	381	10.6	2.2	—	—	0.8	—	—	0.8	0.8	1.4	3.6	6.9	11.4	130.7
Fire, hot object or substance	35	1.0	—	1.1	0.4	—	—	—	0.8	0.2	0.7	1.3	1.6	3.5	2.2
Firearm	7	0.2	—	—	—	—	—	2.0	—	—	0.4	0.2	0.3	—	0.4
Machinery	13	0.4	—	0.5	0.4	—	—	—	0.8	0.4	0.2	0.8	—	—	0.9
All Transportation	528	14.7	4.4	6.6	4.9	4.3	13.6	34.4	28.1	14.8	11.7	15.0	18.5	18.0	21.6
Motor vehicle traffic	467	13.0	4.4	4.9	4.9	3.9	11.0	32.5	25.6	13.5	10.7	13.3	15.4	14.0	19.4
Other land transport acc. ³	37	1.0	—	1.6	—	0.4	1.3	—	1.2	0.6	0.9	0.6	1.9	2.6	2.2
Other transport	24	0.7	—	—	—	—	1.3	2.0	1.2	0.6	0.2	1.1	1.3	1.3	—
Natural/environmental	17	0.5	2.2	0.5	—	—	0.6	—	—	0.4	0.5	0.6	—	0.4	2.2
Poisoning	224	6.3	—	—	—	—	0.6	4.9	2.5	7.7	12.1	13.0	8.8	1.3	3.1
Struck by or against	11	0.3	—	—	—	—	—	—	0.4	0.2	0.5	0.2	1.3	0.4	—
Suffocation	62	1.7	35.0	1.1	0.4	0.8	—	1.0	0.8	0.6	0.5	0.6	1.3	2.2	8.8
Other and unspecified	85	2.4	—	—	—	—	0.6	1.0	0.8	0.8	1.4	1.1	1.6	1.3	24.2

See footnotes at end of table.

TABLE 6-21. Injury Death Rates by Intent, Mechanism of Injury, and Age, Oregon Residents, 2004 — Continued

Intent by Mechanism	Total	Rate ¹	Age Groups												
			< 1	1-4	5-9	10-14	15-17	18-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Suicide	555	15.5	—	—	—	0.8	5.2	7.9	21.5	13.1	19.5	22.7	26.6	14.9	31.7
Cut/pierce	9	0.3	—	—	—	—	—	—	0.4	—	0.4	0.2	0.9	0.9	—
Drowning	5	0.1	—	—	—	—	—	—	—	—	0.2	0.2	—	0.4	0.9
Falls	11	0.3	—	—	—	—	—	1.0	0.8	0.2	—	0.8	0.9	—	—
Fire, hot object or substance	2	0.1	—	—	—	—	—	1.0	—	—	—	0.2	—	—	—
Firearm	300	8.4	—	—	—	0.4	1.9	2.0	12.8	6.3	7.2	10.1	17.9	12.3	23.3
All Transportation	2	0.1	—	—	—	—	—	—	—	—	—	0.2	—	—	0.4
Other land transport acc. ³	2	0.1	—	—	—	—	—	—	—	—	—	0.2	—	—	0.4
Poisoning	116	3.2	—	—	—	—	1.3	—	2.5	2.0	5.6	7.5	5.0	0.9	4.0
Suffocation	101	2.8	—	—	—	0.4	1.9	3.9	3.7	4.6	5.2	3.4	1.9	0.4	3.1
Other and unspecified	9	0.3	—	—	—	—	—	—	1.2	—	0.9	0.2	—	—	—
Homicide	112	3.1	6.6	2.7	0.4	0.8	3.2	6.9	5.8	4.4	3.4	3.8	1.3	2.6	1.8
Cut/pierce	16	0.4	2.2	—	—	—	0.6	—	1.7	0.6	0.5	0.4	0.3	—	0.4
Fire, hot object or substance	2	0.1	—	—	—	—	—	—	0.4	—	0.2	—	—	—	—
Firearm	64	1.8	—	—	—	0.8	2.6	5.9	2.9	3.6	2.0	1.7	0.6	1.3	0.9
Struck by or against	3	0.1	—	—	0.4	—	—	1.0	—	—	—	0.2	—	—	—
Suffocation	3	0.1	—	—	—	—	—	—	—	0.2	0.2	0.2	—	—	—
Other and unspecified	24	0.7	4.4	2.7	—	—	—	—	0.8	—	0.5	1.3	0.3	1.3	0.4
Undetermined	91	2.5	24.1	—	—	—	—	1.0	3.7	1.8	3.4	5.1	3.1	1.3	0.9
Drowning	2	0.1	—	—	—	—	—	—	—	0.2	0.2	—	—	—	—
Falls	4	0.1	—	—	—	—	—	—	—	—	0.4	0.2	—	0.4	—
Firearm	2	0.1	—	—	—	—	—	—	0.4	0.2	—	—	—	—	—
All Transportation	1	<.05	—	—	—	—	—	—	—	—	0.2	—	—	—	—
Other land transport acc. ³	1	<.05	—	—	—	—	—	—	—	—	0.2	—	—	—	—
Poisoning	54	1.5	—	—	—	—	—	1.0	3.3	1.2	2.0	3.6	1.9	0.9	0.4
Suffocation	8	0.2	17.5	—	—	—	—	—	—	—	—	—	—	—	—
Other and unspecified	20	0.6	6.6	—	—	—	—	—	—	0.2	0.7	1.3	1.3	—	0.4
Legal Intervention/War⁴	10	0.3	—	—	—	—	—	—	0.4	0.8	0.5	0.4	—	—	—
Firearm	10	0.3	—	—	—	—	—	—	0.4	0.8	0.5	0.4	—	—	—

¹ Rate per 100,000 population.

² Includes deaths due to complications of medical and surgical care, which are not shown.

³ Includes non-traffic accidents involving pedestrians or cyclists (see Table 6-20).

⁴ Includes late effects of injuries sustained in war. (The deaths of Oregon residents who died while on active-duty outside of the US are not reported to the Oregon Center for Health Statistics.)

— Quantity is zero.

**TABLE 6-22. Number of Injury Deaths and Crude Death Rate¹ by Mechanism and Intent,
Oregon Residents, 2004**

Mechanism	Total External ²		Unintentional		Suicide		Homicide		Undetermined		Legal Inter- vention/War ³	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Total	2,219	61.9	1,423	39.7	555	15.5	112	3.1	91	2.5	10	0.3
Cut/pierce	26	0.7	1	<.05	9	0.3	16	0.4	—	—	—	—
Drowning	66	1.8	59	1.6	5	0.1	—	—	2	0.1	—	—
Falls	396	11.1	381	10.6	11	0.3	—	—	4	0.1	—	—
Fire, hot object or substance	39	1.1	35	1.0	2	0.1	2	0.1	—	—	—	—
Firearm	383	10.7	7	0.2	300	8.4	64	1.8	2	0.1	10	0.3
Machinery	13	0.4	13	0.4	—	—	—	—	—	—	—	—
All Transportation	531	14.8	528	14.7	2	0.1	—	—	1	<.05	—	—
Motor vehicle traffic	467	13.0	467	13.0	—	—	—	—	—	—	—	—
<i>Occupant</i> ⁴	307	8.6	307	8.6	—	—	—	—	—	—	—	—
<i>Driver</i> ⁵	192	5.4	192	5.4	—	—	—	—	—	—	—	—
<i>Passenger</i> ⁵	96	2.7	96	2.7	—	—	—	—	—	—	—	—
<i>Motorcyclist</i> ⁶	34	0.9	34	0.9	—	—	—	—	—	—	—	—
<i>Pedal cyclist</i> ⁶	9	0.3	9	0.3	—	—	—	—	—	—	—	—
<i>Pedestrian</i>	56	1.6	56	1.6	—	—	—	—	—	—	—	—
<i>Other & unspecified traffic</i>	61	1.7	61	1.7	—	—	—	—	—	—	—	—
Pedal, other	6	0.2	6	0.2	—	—	—	—	—	—	—	—
Pedestrian, other	12	0.3	12	0.3	—	—	—	—	—	—	—	—
Other land transport accident	22	0.6	19	0.5	2	0.1	—	—	1	<.05	—	—
Other transport	24	0.7	24	0.7	—	—	—	—	—	—	—	—
Natural/environmental	17	0.5	17	0.5	—	—	—	—	—	—	—	—
Poisoning	394	11.0	224	6.3	116	3.2	—	—	54	1.5	—	—
Struck by or against	14	0.4	11	0.3	—	—	3	0.1	—	—	—	—
Suffocation	174	4.9	62	1.7	101	2.8	3	0.1	8	0.2	—	—
Other and unspecified	138	3.9	85	2.4	9	0.3	24	0.7	20	0.6	—	—
Adverse effects in medical care	28	0.8	—	—	—	—	—	—	—	—	—	—

¹ Rate per 100,000 population.

² Includes deaths due to complications of medical and surgical care, which are not shown.

³ Includes late effects of injuries sustained in war. (The deaths of Oregon residents who died outside the U.S. while on active-duty are not reported to the Center for Health Statistics.)

⁴ Excluding persons traveling by motorcycle and pedalcycle.

⁵ The sum of decedents who were drivers and passengers is less than the number shown in the occupant category because the passenger status was not stated in all cases.

⁶ Includes both drivers and passengers.

— Quantity is zero.

TABLE 6-23. Unintentional Deaths by Type or Source of Injury, Age Groups, and Sex, Oregon Residents, 2004

Type or Source of Unintentional Injury	Total	Sex		Age Groups									
		M	F	0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total ¹	1,423	838	585	44	35	167	139	174	197	133	91	187	256
Transportation ²	534	357	177	14	23	125	75	66	81	60	41	34	15
Motor vehicle traffic acc't	471	311	160	11	22	114	67	59	71	50	33	32	12
Water transport	14	10	4	—	—	3	1	1	5	1	3	—	—
Air transport	10	8	2	—	—	4	2	—	1	3	—	—	—
Rail transport	13	10	3	—	—	2	1	1	2	1	4	1	1
Poisoning	224	134	90	—	—	12	38	67	69	28	3	4	3
Gas	5	4	1	—	—	—	—	—	2	1	—	1	1
Drugs and medications	218	130	88	—	—	12	38	67	67	27	3	2	2
Suffocation or obstruction	62	40	22	18	3	3	3	3	3	4	5	11	9
Food	14	7	7	1	—	1	—	1	1	4	2	2	2
Gastric contents	3	2	1	1	—	—	1	—	—	—	—	1	—
Other substance/object ³	21	16	5	2	—	1	—	—	—	—	3	8	7
In bed	12	5	7	12	—	—	—	—	—	—	—	—	—
Cave-in, falling earth, etc.	—	—	—	—	—	—	—	—	—	—	—	—	—
Low oxygen environment	—	—	—	—	—	—	—	—	—	—	—	—	—
Hanging/strangulation	7	6	1	1	2	—	1	1	2	—	—	—	—
Inanimate mechanical forces ...	38	35	3	1	1	5	3	9	7	6	1	2	3
Struck by falling object ⁴	11	10	1	—	—	1	1	3	1	4	1	—	—
Struck by other object	—	—	—	—	—	—	—	—	—	—	—	—	—
Caught between objects	5	4	1	—	—	—	—	2	1	1	—	—	1
Agricultural machinery	4	4	—	1	—	—	—	1	—	—	—	1	1
Other machinery	9	8	1	—	1	2	2	—	4	—	—	—	—
Firearms	7	7	—	—	—	2	—	2	1	1	—	1	—
Miscellaneous	553	263	290	11	8	22	19	27	35	35	41	131	224
Falls	381	161	220	1	2	2	4	8	19	22	26	112	185
Animal bite/envenomation	2	—	2	—	—	—	—	—	1	—	1	—	—
Drowning and submersion	59	42	17	6	5	14	11	10	4	5	3	1	—
Electric current	2	2	—	—	—	—	1	—	—	—	—	1	—
Fire, flames and smoke	34	20	14	2	1	2	1	4	7	5	7	3	2
Excessive natural heat	1	1	—	1	—	—	—	—	—	—	—	—	—
Excessive natural cold	10	6	4	1	—	1	2	—	1	—	—	1	4

¹ Includes all unintentional injury deaths, not just those in the categories shown.

² Subsets are based on the victim's mode of transport, if known, except for railway transport accidents where all related deaths are included.

³ Inhalation and ingestion of objects/substances, other than food or gastric contents, causing obstruction of the respiratory tract.

⁴ Includes thrown and projected objects.

— Quantity is zero.

TABLE 6-24. Unintentional Fatal Falls by Type or Source, Age Groups, and Sex, Oregon Residents, 2004

Type or Source of Fall	Total	Sex		Age Groups									
		M	F	0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	381	161	220	1	2	2	4	8	19	22	26	112	185
On same level	213	77	136	—	—	—	—	1	5	10	13	72	112
Involving ice and snow	—	—	—	—	—	—	—	—	—	—	—	—	—
From slipping or tripping	108	40	68	—	—	—	—	—	3	3	5	33	64
Collision with another person ¹	—	—	—	—	—	—	—	—	—	—	—	—	—
Other	105	37	68	—	—	—	—	1	2	7	8	39	48
With skis, skates, skateboards	2	2	—	—	1	—	1	—	—	—	—	—	—
While carried by another	1	—	1	—	—	—	—	—	—	—	—	1	—
Involving wheelchair	11	6	5	—	—	—	—	1	2	—	—	1	7
Involving bed	17	5	12	—	—	—	—	—	—	—	—	5	12
Involving chair	11	6	5	—	—	—	—	—	—	—	2	2	7
Involving other furniture	5	—	5	—	—	—	1	—	—	—	2	1	1
Involving playground equipment	—	—	—	—	—	—	—	—	—	—	—	—	—
On and from stairs and steps	18	9	9	1	—	—	—	1	3	2	—	4	7
On and from ladder	4	2	2	—	—	—	—	—	2	—	2	—	—
On and from scaffolding	—	—	—	—	—	—	—	—	—	—	—	—	—
From building or structure ²	8	6	2	—	—	—	1	2	1	—	—	1	3
From tree	2	2	—	—	—	—	1	—	—	—	—	1	—
From cliff	3	2	1	—	1	1	—	—	—	—	—	1	—
While diving/jumping into water ³	2	2	—	—	—	—	—	—	—	1	1	—	—
Other multilevel fall ⁴	12	10	2	—	—	1	—	—	3	3	1	3	1
Unspecified fall	72	32	40	—	—	—	—	3	3	6	5	20	35

¹ Includes pushing by another person.

² Includes fall from, out of, or through building or structure.

³ Causing an injury other than drowning or submersion.

⁴ Includes falls from or into quarry, tank, dock, haystack, well, etc.

— Quantity is zero.

TABLE 6-25. Decedent's Mode of Travel by Collision Type for Land Transport-related Deaths in which the Injury Occurred in Oregon, 2004¹

Victim Was Traveling by	Total	In Collision with								Non-collision	Other and N.S.
		Pedes-trian or Animal ²	Pedal Cycle	Motor Cycle ³	Car, Van, Pickup	Heavy Transport Vehicle ⁴	Railway Train ⁵	Other Nonmotor Vehicle ⁶	Fixed Object		
Total	506	—	—	1	171	36	10	—	96	91	101
Foot	65	—	—	—	39	7	6	—	—	—	13
Pedal Cycle	14	—	—	—	7	1	1	—	1	2	2
Motorcycle ³	42	—	—	1	15	3	—	—	8	13	2
Car	243	—	—	—	95	16	—	—	70	49	13
Pickup or Van	64	—	—	—	15	9	3	—	15	18	4
Heavy Transport Vehicle ..	8	—	—	—	—	—	—	—	2	6	—
Bus/Coach	—	—	—	—	—	—	—	—	—	—	—
Animal-drawn Vehicle ⁷	3	—	—	—	—	*	—	—	—	3	—
Railway Train or Vehicle ...	—	*	*	*	—	*	—	*	—	—	—
Streetcar	—	*	*	*	—	*	—	*	—	—	—
Industr./Constr. Vehicle	—	*	*	*	*	*	*	*	*	*	—
Agricultural Vehicle	—	*	*	*	*	*	*	*	*	*	—
All-terrain Vehicle	14	*	*	*	*	*	*	*	*	*	14
Unspecified Vehicle	53	*	*	*	*	*	*	*	*	*	53

¹ This table includes all motor vehicle land transport deaths regardless of whether or not they resulted from traffic accidents. Excluded are residents of other states who were injured in Oregon but died outside of Oregon.

² Excludes collisions with animal-drawn vehicles or animals being ridden.

³ Includes three-wheeled motor vehicles such as motorized tricycles; excludes motor vehicles designed primarily for off-road use.

⁴ Includes buses and coaches.

⁵ Includes interurban electric cars (streetcars) operating on their own right-of-way, and not open to other traffic.

⁶ Includes animal-drawn vehicles, animals being ridden, streetcars (when operating on a right-of-way that forms part of a public street), etc.

⁷ Includes animals being ridden.

— Quantity is zero.

* ICD-10 does not distinguish whether the injury resulted from a collision (and the other object involved) or noncollision event.

TABLE 6-26. Fatal Motor Vehicle Injuries Occurring in Oregon¹ by Age, Sex, and Occupant and Traffic Status, 2004

Mode of Transport, Traffic Status & Passenger Status ²	Total	Sex		Age Groups											
		M	F	<16	16-17	18-19	20-21	22-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	480	327	153	35	16	36	30	29	65	59	70	56	41	31	12
Motorcycle	41	35	6	—	—	2	2	3	5	6	15	5	2	1	—
Driver, nontraffic	2	2	—	—	—	—	1	—	—	1	—	—	—	—	—
Passenger, nontraffic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unspecified, nontraffic	1	1	—	—	—	—	—	—	—	1	—	—	—	—	—
While boarding or alighting	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Driver, traffic	31	29	2	—	—	1	1	3	4	4	12	3	2	1	—
Passenger, traffic	4	—	4	—	—	1	—	—	1	—	—	2	—	—	—
Unspecified, traffic	3	3	—	—	—	—	—	—	—	—	3	—	—	—	—
Car	231	143	88	16	10	19	19	19	34	28	25	24	18	13	6
Driver, nontraffic	2	—	2	—	—	—	—	—	—	1	—	1	—	—	—
Passenger, nontraffic	1	—	1	—	—	—	—	—	—	—	—	—	1	—	—
Person on outside, nontraffic ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unspecified, nontraffic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
While boarding or alighting	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Driver, traffic	146	100	46	1	7	11	13	11	22	19	21	16	13	9	3
Passenger, traffic	76	39	37	15	3	8	6	8	9	7	4	6	4	3	3
Person on outside, traffic	1	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Unspecified, traffic	5	3	2	—	—	—	—	—	2	1	—	1	—	1	—
Pickup Truck or Van	61	46	15	6	2	5	4	5	5	6	9	8	7	3	1
Driver, nontraffic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Passenger, nontraffic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Person on outside, nontraffic ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unspecified, nontraffic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
While boarding or alighting	1	—	1	—	—	—	—	—	—	—	—	—	—	1	—
Driver, traffic	41	40	1	2	1	2	3	3	5	4	5	7	6	2	1
Passenger, traffic	18	6	12	4	1	3	1	2	—	2	3	1	1	—	—
Person on outside, traffic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unspecified, traffic	1	—	1	—	—	—	—	—	—	—	1	—	—	—	—

¹ Excluded are residents of other states who were injured in Oregon but died outside of Oregon.

² Only the most common types of motorized land transport vehicle-related fatalities are shown by category; all other deaths due to land transport are included in the total (e.g., water and air transport-related deaths are excluded). See Table 6-25 for other categories.

— Quantity is zero.

TABLE 6-27. *Traffic*¹ Accidents in which the Injury Occurred in Oregon by Victim's Mode of Transport, Sex, and Age, 2004

Mode of Transport & Leading Accident Types	Total	Sex		Age Groups											
		M	F	<16	16-17	18-19	20-21	22-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	469	319	150	35	15	36	30	32	67	56	70	52	38	29	9
Pedestrian	54	37	17	10	1	2	1	—	6	9	6	9	2	7	1
Struck by Car, Van, P/U	37	23	14	8	1	2	1	—	2	5	4	5	2	6	1
Struck by Heavy Vehicle	5	4	1	—	—	—	—	—	2	2	—	1	—	—	—
Pedal Cycle	12	8	4	2	1	1	1	1	—	2	2	2	—	—	—
Motorcycle	39	33	6	—	—	2	2	3	5	4	15	5	2	1	—
Collided with Car, Van, P/U	15	12	3	—	—	1	—	2	1	—	6	4	1	—	—
Collided with Heavy Vehicle	3	3	—	—	—	—	—	—	—	1	2	—	—	—	—
Collided with Fixed Object	8	7	1	—	—	1	1	—	2	1	2	—	1	—	—
Non-collision	11	10	1	—	—	—	1	1	2	2	4	—	—	1	—
Car	240	152	88	16	10	19	20	22	37	28	28	23	18	13	6
Collided with Car, Van, P/U	95	52	43	7	4	4	9	7	8	11	14	12	9	5	5
Collided with Heavy Vehicle	16	10	6	—	—	3	1	1	3	2	1	—	2	3	—
Collided with Fixed Object	68	50	18	5	5	6	5	10	13	6	10	6	1	—	1
Non-collision	48	32	16	3	—	5	4	3	10	9	3	3	5	3	—
Pickup or Van	64	49	15	6	2	5	4	5	6	7	9	9	7	3	1
Collided with Car, Van, P/U	15	9	6	1	—	2	—	—	1	2	3	1	2	3	—
Collided with Heavy Vehicle	9	6	3	2	—	—	1	—	1	—	—	3	1	—	1
Collided with Fixed Object	15	12	3	—	1	1	3	3	2	3	2	—	—	—	—
Non-collision	18	17	1	3	1	2	—	2	1	1	3	4	1	—	—
Heavy Transport Vehicle	8	6	2	—	—	—	—	—	2	2	2	1	1	—	—
Bus	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Animal-drawn Vehicle ²	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Railway Train or Vehicle	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Streetcar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other and Unspecified	52	34	18	1	1	7	2	1	11	4	8	3	8	5	1

¹ Unlike tables 6-25 and 6-26 (which include all transport accidents), this table includes only those occurring in traffic.

² Includes animals being ridden.

— Quantity is zero.

Table 6-28. Unintentional Deaths Due to Drownings which Occurred in Oregon, by Sex, Age, County of Injury, and Circumstances of Drowning, 2004

Demographic Characteristics	Total	Boating	Bathtub & Hot Tub	Swimming Pool	While in Natural Water	Fall into Natural Water	Other & Unspec.
Total	68	10	8	3	31	10	6
Sex							
Male	54	9	3	3	25	8	6
Female	14	1	5	—	6	2	—
Age							
1-4	5	—	—	2	—	2	1
5-14	5	—	1	—	3	—	1
15-17	5	—	—	—	3	—	2
18-19	8	1	—	—	6	1	—
20-24	6	3	—	—	2	1	—
25-34	14	1	1	—	10	1	1
35-44	11	—	3	1	4	2	1
45-54	3	2	—	—	1	—	—
55-64	4	—	2	—	1	1	—
65-74	6	3	1	—	1	1	—
75+	1	—	—	—	—	1	—
County							
Clackamas	5	—	1	1	2	1	—
Clatsop	2	1	—	—	1	—	—
Columbia	1	—	—	—	—	—	1
Coos	1	—	—	—	1	—	—
Crook	1	—	—	—	—	—	1
Curry	3	1	—	—	1	1	—
Deschutes	2	—	—	—	—	—	2
Douglas	2	—	—	—	2	—	—
Jackson	3	—	—	1	—	2	—
Jefferson	1	1	—	—	—	—	—
Josephine	2	—	—	—	1	—	1
Klamath	2	1	—	—	—	1	—
Lane	10	3	1	1	5	—	—
Lincoln	5	1	—	—	3	1	—
Marion	6	—	2	—	2	2	—
Multnomah	6	—	2	—	4	—	—
Tillamook	5	1	—	—	3	1	—
Umatilla	2	—	—	—	1	1	—
Wallowa	1	1	—	—	—	—	—
Wasco	1	—	—	—	1	—	—
Washington	6	—	2	—	3	—	1
Yamhill	1	—	—	—	1	—	—

Note: Boating includes all unintentional drownings resulting from water transport mishaps but not deaths resulting from voluntarily jumping from a boat. Only counties and age groups with at least one drowning death are shown.

— Quantity is zero.

TABLE 6-29. Deaths from Suicide, Homicide, Legal Intervention, and External Causes Undetermined Whether Unintentionally or Purposely Inflicted, by Age, Sex, and Method, Oregon Residents, 2004

Manner and Method of Death ¹	Total	All Ages		< 15		15-24		25-34		35-44		45-54		55-64		65-74		75-84		85+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Suicide	555	415	140	1	1	56	12	44	21	76	32	80	41	66	19	29	5	44	6	19	3
All Poisoning	116	49	67	—	—	2	6	3	7	14	17	15	25	8	8	1	1	3	3	3	—
<i>Medications</i>	93	32	61	—	—	1	5	—	7	10	17	12	21	6	8	1	1	1	2	1	—
<i>Other Substances</i>	23	17	6	—	—	1	1	3	—	4	—	3	4	2	—	—	—	2	1	2	—
Hanging/Suffocation	101	79	22	—	1	14	2	18	5	24	5	13	5	5	1	1	—	3	1	1	2
Drowning	5	1	4	—	—	—	—	—	—	—	1	—	1	—	—	1	—	—	1	—	1
All Firearms ²	300	260	40	1	—	33	3	22	9	34	6	45	9	48	9	25	3	37	1	15	—
<i>Handguns</i>	206	171	35	1	—	21	3	15	8	20	4	27	8	33	8	14	3	26	1	14	—
<i>Long Guns</i>	81	78	3	—	—	11	—	6	1	13	1	17	1	12	—	10	—	8	—	1	—
Fire, Flames, Smoke	2	2	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
Sharp Object	9	6	3	—	—	—	1	—	—	2	—	1	—	2	1	1	1	—	—	—	—
Jumping from High Place ...	11	10	1	—	—	3	—	1	—	—	—	3	1	3	—	—	—	—	—	—	—
Homicide	112	87	25	7	4	23	3	18	4	14	5	15	5	4	—	5	1	1	3	—	—
Strangulation & Hanging	3	2	1	—	—	—	—	1	—	—	1	1	—	—	—	—	—	—	—	—	—
Drowning	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All Firearms ²	64	53	11	2	—	15	2	15	3	10	1	6	3	2	—	3	—	—	2	—	—
<i>Handguns</i>	42	34	8	1	—	10	2	11	3	7	—	2	1	1	—	2	—	—	2	—	—
<i>Long Guns</i>	6	4	2	—	—	2	—	—	—	1	—	—	2	1	—	—	—	—	—	—	—
Sharp Object	16	14	2	1	—	5	—	2	1	2	1	2	—	1	—	—	—	1	—	—	—
Blunt Object	2	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bodily Force	1	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
Neglect & Maltreatment	2	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Legal Intervention	10	9	1	—	—	1	—	4	—	3	—	1	1	—	—	—	—	—	—	—	—
Firearms	10	9	1	—	—	1	—	4	—	3	—	1	1	—	—	—	—	—	—	—	—
Undetermined Manner	91	54	37	6	5	8	2	5	4	12	7	14	13	6	4	2	1	1	1	—	—
All Poisoning	54	30	24	—	—	7	2	2	4	7	4	9	10	3	3	1	1	1	—	—	—
<i>Drugs/Medications</i>	52	28	24	—	—	5	2	2	4	7	4	9	10	3	3	1	1	1	—	—	—
<i>Other Substances</i>	2	2	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Drowning	2	2	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Firearms ²	2	2	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Handguns</i>	2	2	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Long Guns</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

¹ 'Other' and 'Unknown' subcategories are not shown but are included in the totals.

² ICD-10, unlike ICD-9, does not distinguish between rifles, shotguns, and military (assault) weapons.

— Quantity is zero.

TABLE 6-30. Deaths Due to Firearms by Manner, Sex, Age, Race/Ethnicity, County of Residence, and Weapon Type, Oregon Residents, 2004

Characteristics	Total		Unintended Injuries		Suicide		Homicide		Legal Interven. ²		Undeterm. Manner	
	All Guns	Hand-guns ¹	M	F	M	F	M	F	M	F	M	F
Total	383	252	7	–	260	40	53	11	9	1	2	–
Age												
<1	–	–	–	–	–	–	–	–	–	–	–	–
1-4	–	–	–	–	–	–	–	–	–	–	–	–
5-9	–	–	–	–	–	–	–	–	–	–	–	–
10-14	3	2	–	–	1	–	2	–	–	–	–	–
15-17	7	6	–	–	2	1	3	1	–	–	–	–
18-19	10	6	2	–	2	–	5	1	–	–	–	–
20-21	12	7	–	–	9	1	2	–	–	–	–	–
22-24	28	18	–	–	20	1	5	–	1	–	1	–
25-34	54	38	–	–	22	9	15	3	4	–	1	–
35-44	56	32	2	–	34	6	10	1	3	–	–	–
45-54	66	38	1	–	45	9	6	3	1	1	–	–
55-64	60	43	1	–	48	9	2	–	–	–	–	–
65-74	31	19	–	–	25	3	3	–	–	–	–	–
75-84	41	29	1	–	37	1	–	2	–	–	–	–
85+	15	14	–	–	15	–	–	–	–	–	–	–
Race/Ethnicity												
White	353	231	7	–	251	36	39	10	7	1	2	–
African American ...	18	14	–	–	3	1	11	1	2	–	–	–
Indian	6	2	–	–	5	–	1	–	–	–	–	–
Chinese	1	1	–	–	1	–	–	–	–	–	–	–
Japanese	–	–	–	–	–	–	–	–	–	–	–	–
Other Asian	5	4	–	–	–	3	2	–	–	–	–	–
Other	–	–	–	–	–	–	–	–	–	–	–	–
Hispanic ³	23	15	–	–	8	2	10	1	1	–	1	–
County of Residence												
Baker	1	–	–	–	1	–	–	–	–	–	–	–
Benton	–	–	–	–	–	–	–	–	–	–	–	–
Clackamas	27	19	1	–	17	1	4	1	–	1	2	–
Clatsop	2	2	–	–	1	–	1	–	–	–	–	–
Columbia	6	6	–	–	5	–	1	–	–	–	–	–
Coos	18	11	–	–	10	5	2	–	1	–	–	–
Crook	2	1	–	–	2	–	–	–	–	–	–	–
Curry	4	3	–	–	3	1	–	–	–	–	–	–
Deschutes	17	10	–	–	12	4	1	–	–	–	–	–
Douglas	14	7	–	–	10	1	3	–	–	–	–	–
Gilliam	–	–	–	–	–	–	–	–	–	–	–	–
Grant	1	–	–	–	1	–	–	–	–	–	–	–

See footnotes at end of table.

TABLE 6-30. Deaths Due to Firearms by Manner, Sex, Age, Race/Ethnicity, County of Residence, and Weapon Type, Oregon Residents, 2004 — Continued

Characteristics	Total		Unintended Injuries		Suicide		Homicide		Legal Interven. ²		Undeterm. Manner	
	All Guns	Hand-guns ¹	M	F	M	F	M	F	M	F	M	F
County of Residence												
Harney	2	1	—	—	2	—	—	—	—	—	—	—
Hood River	1	1	—	—	1	—	—	—	—	—	—	—
Jackson	26	17	—	—	25	—	1	—	—	—	—	—
Jefferson	2	—	—	—	1	—	1	—	—	—	—	—
Josephine	17	12	1	—	10	2	3	1	—	—	—	—
Klamath	9	3	—	—	5	—	3	1	—	—	—	—
Lake	—	—	—	—	—	—	—	—	—	—	—	—
Lane	40	26	2	—	29	4	1	4	—	—	—	—
Lincoln	4	2	1	—	3	—	—	—	—	—	—	—
Linn	9	7	—	—	7	1	1	—	—	—	—	—
Malheur	5	2	1	—	3	—	1	—	—	—	—	—
Marion	26	20	—	—	12	7	4	1	2	—	—	—
Morrow	3	1	—	—	2	—	—	—	1	—	—	—
Multnomah	60	46	—	—	31	5	19	2	3	—	—	—
Polk	6	3	—	—	3	1	1	—	1	—	—	—
Sherman	—	—	—	—	—	—	—	—	—	—	—	—
Tillamook	5	4	—	—	5	—	—	—	—	—	—	—
Umatilla	18	10	—	—	14	2	1	1	—	—	—	—
Union	5	3	—	—	4	—	1	—	—	—	—	—
Wallowa	1	—	—	—	1	—	—	—	—	—	—	—
Wasco	3	2	—	—	3	—	—	—	—	—	—	—
Washington	41	26	1	—	30	5	4	—	1	—	—	—
Wheeler	—	—	—	—	—	—	—	—	—	—	—	—
Yamhill	8	7	—	—	7	1	—	—	—	—	—	—
Weapon Type												
Handgun	252	252	2	—	171	35	34	8	—	—	2	—
Long Gun ⁴	90	—	3	—	78	3	4	2	—	—	—	—
Other & N.S. ⁵	41	—	2	—	11	2	15	1	9	1	—	—

¹ The tenth revision of the International Classification of Disease (ICD-10) does not distinguish between the types of firearms involved in legal intervention deaths. Although handguns were used in nearly all such deaths, they are not included here.

² Legal intervention is the intentional or unintentional death of a person resulting from the actions of a law enforcement agent. This figure may not include all such deaths, if the certifying medical examiner failed to note (on the death certificate) the involvement of a law enforcement agent.

³ Hispanics may be of any race. Therefore, Hispanics are included in the race totals (e.g., White, Indian); most were white. The category 'Hispanic' sums Hispanic decedents in all race categories.

⁴ The ICD-10, unlike ICD-9, does not distinguish between rifles, shotguns, and military (assault) weapons.

⁵ Because the ICD-10 does not include codes for the specific types of guns involved in legal intervention deaths, all such deaths are included here. However, nearly all legal intervention gunshot deaths involve handguns.

— Quantity is zero.

TABLE 6-31. Fatal Overdoses and Poisonings by Manner, Type, Sex, Age Groups, Race/ethnicity, and Selected Counties of Residence, Oregon Residents, 2004

Manner and Type of Substance ¹	Total	Sex		Age Groups					
		M	F	0-4	5-14	15-24	25-34	35-44	45-54
Total	695	442	253	—	—	31	69	160	215
Mental and behavioral disorders due to psychoactive substance use	301	229	72	—	—	2	15	51	87
Alcohol ²	195	154	41	—	—	1	3	25	62
Opioids	28	21	7	—	—	—	5	11	10
Cannabinoids	—	—	—	—	—	—	—	—	—
Sedatives and hypnotics	1	—	1	—	—	—	1	—	—
Cocaine	1	1	—	—	—	—	—	—	1
Other stimulants	3	2	1	—	—	—	—	1	2
Hallucinogens	1	1	—	—	—	—	—	1	—
Tobacco ³	43	27	16	—	—	—	—	1	5
Volatile solvents	—	—	—	—	—	—	—	—	—
Other (multiple) psychoactive substances	29	23	6	—	—	1	6	12	7
Unintentional overdoses/poisoning	224	134	90	—	—	12	38	67	69
Nonopioid analgesics, antipyretics, etc.	2	—	2	—	—	—	—	1	1
Psychotropic, sedative-hypnotic drugs	22	14	8	—	—	1	5	6	8
Narcotics and hallucinogens ⁴	141	90	51	—	—	9	24	42	44
Other and unspecified drugs ⁵	53	26	27	—	—	2	9	18	14
Alcohol	—	—	—	—	—	—	—	—	—
Organic solvents & halogenated HC ⁶	—	—	—	—	—	—	—	—	—
Carbon monoxide & other gases	5	4	1	—	—	—	—	—	2
Pesticides	—	—	—	—	—	—	—	—	—
Other chemicals & substances	1	—	1	—	—	—	—	—	—
Intentional self-poisoning	116	49	67	—	—	8	10	31	40
Nonopioid analgesics, antipyretics, etc.	7	3	4	—	—	—	1	1	2
Psychotropic, sedative-hypnotic drugs	26	7	19	—	—	4	2	8	11
Narcotics and hallucinogens ⁴	26	9	17	—	—	—	2	10	9
Other and unspecified drugs ⁵	34	13	21	—	—	2	2	8	11
Alcohol	—	—	—	—	—	—	—	—	—
Organic solvents & halogenated HC ⁶	1	1	—	—	—	—	—	—	—
Carbon monoxide & other gases	16	14	2	—	—	1	3	4	4
Pesticides	1	—	1	—	—	—	—	—	1
Other chemicals & substances	5	2	3	—	—	1	—	—	2
Assault by poisoning	—	—	—	—	—	—	—	—	—
Undetermined intent	54	30	24	—	—	9	6	11	19
Nonopioid analgesics, antipyretics, etc.	2	—	2	—	—	1	1	—	—
Psychotropic, sedative-hypnotic drugs	6	3	3	—	—	2	1	—	2
Narcotics and hallucinogens ⁴	27	18	9	—	—	2	3	7	10
Other and unspecified drugs ⁵	17	7	10	—	—	2	1	4	7
Alcohol	1	1	—	—	—	1	—	—	—
Organic solvents & halogenated HC ⁶	—	—	—	—	—	—	—	—	—
Carbon monoxide & other gases	1	1	—	—	—	1	—	—	—
Pesticides	—	—	—	—	—	—	—	—	—
Other chemicals & substances	—	—	—	—	—	—	—	—	—

¹ The distinction between deaths classified to mental and behavioral disorders due to psychoactive substance use versus injury deaths is somewhat factitious. For example, deaths attributed to drug toxicity are classified to the former category while deaths attributed to poisoning are classified as injury deaths. If the certifying physician notes that a death is due to chronic drug abuse, then the death is classified to mental/behavioral disorders, but this may not be done in all applicable cases. Other "natural" causes, such as drug-induced hypopituitarism, are not included here, but are included in tables 6-6, 6-7, 6-15 and 6-16, among others.

² Most deaths involving abusive alcohol use are attributed to other organ systems (e.g., alcoholic cirrhosis of the liver). See "Alcohol-induced deaths" in other tables, such as 6-6, 6-7, 6-15, and 6-16, for a more inclusive count. Note that these figures, too, are undercounts, as they do not include injury deaths in which alcohol played a critical role (e.g., motor vehicle crashes, homicides).

TABLE 6-31. Fatal Overdoses and Poisonings by Manner, Type, Sex, Age Groups, Race/ethnicity, and Selected Counties of Residence, Oregon Residents, 2004— Continued

Age Groups				Race/ethnicity					Residence County			
55-64	65-74	75-84	85+	White	Black	Indian	Other	Hisp ⁷	Clack	Lane	Mult	Wash
116	51	39	14	658	12	18	7	18	58	75	197	55
66	44	28	8	282	7	8	4	8	30	31	88	21
54	32	14	4	183	3	5	4	5	20	25	48	16
2	—	—	—	24	3	1	—	1	3	—	20	2
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	1	—	—	—	—	—	—	1	—
—	—	—	—	1	—	—	—	—	—	—	1	—
—	—	—	—	3	—	—	—	—	—	—	1	—
—	—	—	—	1	—	—	—	1	—	—	1	—
7	12	14	4	43	—	—	—	1	3	5	2	1
—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	26	1	2	—	—	4	1	14	2
28	3	4	3	210	4	8	2	6	18	25	66	17
—	—	—	—	1	—	1	—	—	—	—	—	—
1	1	—	—	22	—	—	—	1	2	3	7	1
21	1	—	—	133	4	4	—	4	11	15	50	10
5	1	2	2	49	—	3	1	1	5	7	8	5
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
1	—	1	1	4	—	—	1	—	—	—	1	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	1	—	1	—	—	—	—	—	—	—	1
16	2	6	3	113	1	1	1	1	7	15	19	11
2	—	1	—	7	—	—	—	—	—	—	1	—
1	—	—	—	25	1	—	—	—	2	2	6	5
4	1	—	—	26	—	—	—	—	1	4	2	2
7	1	2	1	32	—	1	1	—	1	7	8	3
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	1	—	1	—	—	—	—	—	1	—	—
—	—	2	2	16	—	—	—	1	2	—	1	1
—	—	—	—	1	—	—	—	—	—	—	—	—
2	—	—	—	5	—	—	—	—	1	1	1	—
—	—	—	—	—	—	—	—	—	—	—	—	—
6	2	1	—	53	—	1	—	3	3	4	24	6
—	—	—	—	2	—	—	—	—	1	—	—	1
1	—	—	—	6	—	—	—	1	1	—	4	—
3	2	—	—	26	—	1	—	—	—	3	11	—
2	—	1	—	17	—	—	—	—	1	1	8	5
—	—	—	—	1	—	—	—	1	—	—	1	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	1	—	—	—	1	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—

³ Most deaths resulting from tobacco use were attributed to other organ systems (e.g., lung cancer, emphysema, heart disease). See Tables 6-17 through 6-19 for a more complete account of tobacco-linked deaths.

⁴ Including other drugs acting on the autonomic nervous system.

⁵ Includes deaths resulting from poisoning from multiple substances in more than one category.

⁶ HC = hydrocarbons.

⁷ Hispanic decedents may be of any race; most were white.

— Quantity is zero.

TABLE 6-32. Leading Causes of Death by County of Residence, Oregon, 2004

County of Residence	Total	Cancer	Heart Dis	CeVD	CLRD	Unint Injur	Alzheimer's	Diabetes	Suicide	Flu & Pneumonia	Alcohol Induc ²	HPB
Total	30,201	7,227	6,687	2,322	1,770	1,423	1,263	1,072	555	554	510	358
Rate ¹	843.0	201.7	186.7	64.8	49.4	39.7	35.3	29.9	15.5	15.5	14.2	10.0
Median Age ..	79	74	82	84	78	52	86	76	47	86	55	85
Baker	207	49	54	17	10	12	5	10	1	3	1	1
Benton	486	103	111	32	25	26	34	19	3	17	9	10
Clackamas ...	2,730	626	608	230	168	125	129	86	35	48	49	33
Clatsop	359	102	79	27	15	22	11	15	5	14	4	3
Columbia	402	99	89	34	30	17	14	10	12	6	7	4
Coos	828	197	198	57	63	27	32	32	24	15	9	12
Crook	173	44	32	10	12	8	4	8	3	2	4	2
Curry	284	85	68	17	14	14	10	8	6	1	5	2
Deschutes ...	961	232	207	77	51	58	38	21	24	15	26	8
Douglas	1,211	294	287	76	88	59	48	42	18	32	10	15
Gilliam	27	7	4	—	1	4	—	3	—	1	—	2
Grant	77	24	12	5	4	4	3	—	2	5	3	1
Harney	66	16	10	5	3	7	—	2	2	1	—	2
Hood River ...	181	38	62	6	12	9	7	6	1	7	1	2
Jackson	1,885	466	400	164	132	88	121	58	42	31	27	21
Jefferson	161	29	41	11	12	18	2	4	1	—	9	1
Josephine ...	1,022	268	245	68	57	59	31	28	14	16	18	14
Klamath	705	165	179	28	48	32	35	25	13	13	18	7
Lake	87	24	19	6	7	6	2	1	—	5	2	2
Lane	2,963	721	611	212	186	130	136	100	57	41	56	40
Lincoln	526	114	134	45	38	21	19	20	10	17	10	4
Linn	1,068	258	238	92	63	47	39	43	14	26	22	6
Malheur	277	51	67	12	20	10	16	11	5	9	3	2
Marion	2,431	613	494	218	154	108	74	103	46	45	33	37
Morrow	83	26	16	5	6	2	2	5	2	2	2	1
Multnomah ...	5,410	1,217	1,231	432	253	250	201	202	94	84	102	62
Polk	551	141	115	55	24	26	18	19	8	4	14	7
Sherman	20	4	8	—	1	2	—	1	—	—	1	—
Tillamook	262	57	56	22	26	15	13	6	9	2	1	1
Umatilla	610	150	118	41	36	28	21	31	21	12	10	11
Union	232	54	54	7	13	9	8	5	5	2	4	—
Wallowa	70	18	15	5	3	6	1	1	4	3	2	—
Wasco	285	69	60	23	30	5	20	12	4	6	5	2
Washington ..	2,801	689	593	220	122	128	137	103	56	49	35	35
Wheeler	22	6	2	2	—	3	1	—	—	—	—	—
Yamhill	738	171	170	61	43	38	31	32	14	20	8	8

Abbreviations: Cancer = Malignant Neoplasms; CeVD = Cerebrovascular Disease; CLRD = Chronic Lower Respiratory Disease; Unint Injur = Unintentional Injuries; Alcohol Induc = Alcohol-induced deaths, HPB = Hypertension with/without Renal Disease.

¹ Rates per 100,000 population.

² See Table 6-6, footnotes 35-36, for a list of included conditions and their ICD codes.

— Quantity is zero

TABLE 6-32. Leading Causes of Death by County of Residence, Oregon, 2004— Continued

County of Residence	Parkinson's Dis	Nephritis	Aortic Aneurysm	Septicemia	Benign Neopl	Arteriosclerosis	Pneu S&L	Cong Anom	Perinatal Cond	Homicide	ALS	Viral Hepatitis
Total	321	306	199	191	184	174	171	136	112	112	107	107
Rate ¹	9.0	8.5	5.6	5.3	5.1	4.9	4.8	3.8	3.1	3.1	3.0	3.0
Median Age ..	83	82	79	78	80	85	86	2	0	33	72	53
Baker	1	1	2	—	1	2	1	—	1	—	—	—
Benton	9	1	5	1	5	3	2	2	—	1	3	2
Clackamas ...	35	41	17	34	24	14	11	7	8	9	13	10
Clatsop	4	5	2	3	5	—	—	1	1	1	2	—
Columbia	7	4	2	1	2	1	2	—	1	2	—	2
Coos	8	9	3	5	9	9	5	1	2	2	1	3
Crook	—	1	4	1	1	15	—	1	—	—	2	—
Curry	2	2	2	2	—	—	3	1	1	—	1	3
Deschutes ...	11	3	6	3	3	4	—	5	4	4	6	3
Douglas	7	6	10	11	8	9	8	3	2	4	1	6
Gilliam	—	—	—	—	—	—	—	—	—	—	—	—
Grant	—	—	—	1	—	—	1	—	1	—	—	—
Harney	1	—	2	1	—	—	—	—	1	—	1	—
Hood River ...	1	—	—	—	2	1	—	3	1	—	2	—
Jackson	18	19	17	6	9	4	4	9	2	4	7	8
Jefferson	1	1	—	2	—	1	1	—	1	2	—	1
Josephine ...	7	6	5	5	5	1	4	4	1	8	3	2
Klamath	6	8	3	5	3	2	8	4	2	5	1	2
Lake	—	—	—	—	—	1	1	—	—	—	—	—
Lane	33	33	15	18	19	19	23	18	9	9	12	11
Lincoln	6	5	7	3	3	2	5	1	3	1	2	3
Linn	10	10	8	10	8	6	3	8	2	3	3	4
Malheur	1	5	2	2	1	—	—	—	1	1	1	3
Marion	36	27	22	11	16	7	18	20	5	8	5	3
Morrow	1	—	1	1	1	—	—	—	1	—	—	—
Multnomah ...	49	67	34	35	28	33	37	22	31	32	12	26
Polk	5	2	4	2	4	4	3	5	2	1	3	1
Sherman	—	—	—	—	—	—	—	—	—	1	—	—
Tillamook	1	2	2	1	—	4	1	—	—	—	4	—
Umatilla	4	4	2	6	4	6	7	3	2	6	3	1
Union	2	4	1	5	—	—	—	—	—	1	1	2
Wallowa	1	1	—	—	—	—	1	—	—	—	1	1
Wasco	1	5	1	—	2	1	1	1	1	—	—	1
Washington ..	40	26	17	12	16	23	15	15	25	7	9	8
Wheeler	—	—	—	1	—	1	—	—	—	—	1	—
Yamhill	13	8	3	3	5	1	6	2	1	—	7	1

Abbreviations: Nephritis = Nephritis, Nephrosis, etc.; Benign Neopl = Benign, In Situ, and Neoplasms of Uncertain Behavior; Pneu S&L = Pneumonitis Due to Solids and Liquids; Cong Anom = Congenital Anomalies; Perinatal Cond = Perinatal Conditions; ALS = Amyotrophic Lateral Sclerosis.

— Quantity is zero

TABLE 6-33. Deaths by Age, Sex, and County of Residence, Oregon, 2004

County of Residence	Total	Age Group and Gender											
		All Ages		< 1		1-4		5-14		15-24		25-34	
		M	F	M	F	M	F	M	F	M	F	M	F
Total	30,201	14,876	15,325	154	98	29	22	45	31	243	107	268	120
Baker	207	103	104	2	—	—	—	—	—	—	—	1	—
Benton	486	230	256	2	—	—	—	—	—	3	2	2	—
Clackamas	2,730	1,245	1,485	9	8	3	2	4	2	27	8	25	9
Clatsop	359	173	186	1	1	1	—	1	1	2	1	3	1
Columbia	402	216	186	2	—	—	—	—	—	4	3	1	—
Coos	828	442	386	3	1	—	—	—	2	6	4	4	2
Crook	173	84	89	—	—	—	1	1	1	—	2	2	—
Curry	284	151	133	2	—	—	—	1	—	3	—	—	1
Deschutes	961	477	484	8	2	2	—	1	1	11	2	5	5
Douglas	1,211	638	573	4	2	1	—	1	2	12	4	8	3
Gilliam	27	17	10	—	—	—	—	—	—	—	—	1	—
Grant	77	39	38	—	1	—	—	—	1	—	—	—	—
Harney	66	29	37	1	—	—	—	—	—	1	—	—	—
Hood River	181	95	86	3	1	1	—	—	—	3	2	—	1
Jackson	1,885	982	903	10	3	3	1	—	1	15	4	12	2
Jefferson	161	84	77	—	1	—	—	—	1	3	2	1	1
Josephine	1,022	531	491	4	1	—	1	2	1	6	4	3	3
Klamath	705	366	339	3	2	—	3	1	2	6	6	7	6
Lake	87	41	46	—	1	—	—	—	1	—	—	1	—
Lane	2,963	1,481	1,482	11	7	2	1	7	3	17	12	28	12
Lincoln	526	268	258	4	1	1	—	—	1	2	—	2	2
Linn	1,068	525	543	4	4	—	—	1	1	7	4	9	3
Malheur	277	146	131	1	1	2	1	1	—	4	1	1	—
Marion	2,431	1,115	1,316	15	7	4	1	6	1	22	8	29	9
Morrow	83	50	33	1	—	—	—	—	—	—	—	1	—
Multnomah	5,410	2,616	2,794	29	25	2	8	10	6	40	14	76	37
Polk	551	275	276	6	4	—	—	2	—	5	3	4	1
Sherman	20	13	7	—	—	1	—	—	—	—	—	—	—
Tillamook	262	142	120	—	—	—	—	1	—	—	2	3	—
Umatilla	610	323	287	3	1	—	1	—	1	6	3	5	5
Union	232	116	116	—	—	2	—	1	—	1	—	1	—
Wallowa	70	31	39	—	—	—	—	—	—	1	—	1	—
Wasco	285	143	142	3	1	1	—	—	—	1	—	—	1
Washington	2,801	1,314	1,487	21	22	2	2	3	2	27	11	28	15
Wheeler	22	15	7	—	—	—	—	—	—	—	—	—	—
Yamhill	738	360	378	2	1	1	—	1	—	8	5	4	1

— Quantity is zero.

TABLE 6-33. Deaths by Age, Sex, and County of Residence, Oregon, 2004 — Continued

County of Residence	Age Group and Gender											
	35-44		45-54		55-64		65-74		75-84		85+	
	M	F	M	F	M	F	M	F	M	F	M	F
Total	576	361	1,339	784	1,840	1,300	2,574	2,192	4,305	4,489	3,503	5,821
Baker	3	—	4	3	12	13	20	16	41	31	20	41
Benton	11	6	23	21	19	9	35	36	62	70	73	112
Clackamas	45	32	99	64	149	132	216	186	368	459	300	583
Clatsop	5	4	14	5	30	16	29	27	54	56	33	74
Columbia	10	4	18	8	32	25	49	26	62	55	38	65
Coos	8	4	32	19	57	30	89	67	145	109	98	148
Crook	4	—	8	—	13	10	14	17	26	26	16	32
Curry	3	—	16	4	16	21	32	28	47	42	31	37
Deschutes	25	16	37	23	48	36	79	60	138	161	123	178
Douglas	15	11	62	28	77	62	114	88	215	176	129	197
Gilliam	2	—	1	—	2	1	3	1	5	3	3	5
Grant	1	—	3	2	6	7	11	4	9	9	9	14
Harney	2	1	4	1	3	4	7	8	4	10	7	13
Hood River	3	1	8	1	10	4	11	7	31	29	25	40
Jackson	34	21	75	40	141	80	140	127	298	261	254	363
Jefferson	7	4	7	3	16	6	13	9	22	18	15	32
Josephine	14	11	46	24	61	48	95	66	165	159	135	173
Klamath	18	12	24	17	49	26	80	58	107	109	71	98
Lake	—	1	3	4	6	7	10	9	13	9	8	14
Lane	56	30	151	84	157	130	272	219	407	425	373	559
Lincoln	8	7	29	23	35	19	49	54	72	64	66	87
Linn	19	12	50	26	61	55	89	79	158	171	127	188
Malheur	6	1	14	9	20	8	19	16	35	39	43	55
Marion	49	32	89	62	131	102	187	227	340	380	243	487
Morrow	—	1	6	2	9	4	10	8	18	10	5	8
Multnomah	140	80	300	158	364	225	424	372	653	793	578	1,076
Polk	10	2	14	14	35	23	53	28	73	82	73	119
Sherman	—	—	2	2	1	—	—	3	5	1	4	1
Tillamook	9	2	10	4	10	6	26	20	55	39	28	47
Umatilla	16	10	28	11	42	32	47	48	107	80	69	95
Union	6	1	10	5	14	5	15	13	32	35	34	57
Wallowa	—	3	4	2	2	3	3	5	11	18	9	8
Wasco	4	2	11	4	16	13	28	20	46	44	33	57
Washington	30	35	105	95	157	103	236	179	366	410	339	613
Wheeler	1	—	1	—	1	—	3	2	6	4	3	1
Yamhill	12	15	31	16	38	35	66	59	109	102	88	144

— Quantity is zero.

**TABLE 6-34. Years of Potential Life Lost Before Age 65 by Cause
and County of Residence, Oregon, 2004**

County of Residence	Total	Unint Injur	Cancer	Heart	Sui- cide	Peri- natal	Cong Anom	Alcohol Induc ¹	Dia- betes	Hom- icide	Undet Intent
Total	124,352	25,424	21,652	11,505	10,614	7,276	5,551	5,486	3,528	3,446	2,409
Baker	466	66	86	43	0	65	0	14	37	0	0
Benton	1,640	357	303	214	65	0	130	170	79	13	14
Clackamas	10,411	2,265	1,726	951	726	519	300	438	302	297	157
Clatsop	1,307	289	360	213	56	65	64	34	40	24	0
Columbia	1,508	377	330	102	143	65	0	25	0	0	34
Coos	2,554	387	511	236	500	130	65	99	24	51	0
Crook	678	232	86	51	33	0	63	9	15	0	0
Curry	932	238	148	105	100	65	64	48	17	0	0
Deschutes	4,144	1,053	633	277	396	260	195	302	72	112	64
Douglas	4,414	1,108	768	512	321	130	129	70	204	158	0
Gilliam	115	86	9	0	0	0	0	0	14	0	0
Grant	290	88	69	13	9	65	0	4	0	0	0
Harney	323	119	29	5	24	65	0	0	0	0	0
Hood River	928	311	154	147	0	65	129	0	32	0	0
Jackson	6,649	1,763	1,048	751	658	130	373	283	206	48	134
Jefferson	941	297	111	32	39	65	0	175	12	41	0
Josephine	3,333	883	655	323	219	65	135	179	73	180	0
Klamath	3,468	823	449	377	248	130	108	260	144	123	120
Lake	336	162	67	35	0	0	0	0	14	0	0
Lane	11,704	2,200	2,232	871	1,049	585	672	594	332	305	114
Lincoln	2,088	196	272	404	153	195	65	132	12	7	18
Linn	4,099	740	892	342	276	130	357	269	175	90	13
Malheur	1,327	243	188	152	90	65	0	41	49	26	43
Marion	10,418	2,346	1,678	794	1,047	324	810	454	220	295	294
Morrow	313	2	104	38	17	65	0	24	5	0	0
Multnomah	26,679	4,362	4,358	2,534	2,104	2,014	811	1,076	576	1,116	943
Polk	2,323	525	465	148	82	130	284	104	44	45	129
Sherman	126	27	14	20	0	0	0	2	0	63	0
Tillamook	826	306	85	68	102	0	0	22	0	0	0
Umatilla	2,746	458	496	255	423	130	78	54	194	226	37
Union	724	146	68	92	113	0	0	48	7	14	0
Wallowa	257	32	61	14	103	0	0	31	2	0	0
Wasco	933	130	227	92	31	65	65	70	5	0	0
Washington	12,465	2,207	2,356	1,048	1,150	1,624	571	346	526	213	224
Wheeler	47	19	7	0	0	0	0	0	0	0	21
Yamhill	2,840	582	607	246	337	65	83	109	96	0	50

¹ See Table 6-6, footnotes 35-36, for a list of included conditions and their ICD codes.

Note: A "0" indicates either no deaths occurred before the base age, or no deaths of any kind.

Abbreviations: Cancer = Malignant Neoplasms; Unint Injur = Unintentional Injuries; Perinatal = Perinatal Conditions; Cong Anom = Congenital Anomalies; Alcohol Induc = Alcohol-induced Deaths; Undet Intent = Injuries of Undetermined Intent.

**TABLE 6-34. Years of Potential Life Lost Before Age 65 by Cause
and County of Residence, Oregon, 2004 — Continued**

County of Residence	CeVD	CLRD	HIV/ AIDS	SIDS	Viral Hepa- titis	Flu & Pneu- monia	Septi- cemia	Ne- phritis	Epi- lepsy	Hyper- tension	Pneu S&L
Total	2,804	1,604	1,270	1,226	1,167	864	739	624	475	476	135
Baker	0	7	9	64	0	0	0	0	0	0	0
Benton	41	31	28	0	44	2	0	0	0	13	0
Clackamas	231	177	48	64	118	39	232	51	0	62	0
Clatsop	2	6	22	0	0	0	0	10	0	0	0
Columbia	99	15	0	64	22	0	0	4	0	0	0
Coos	38	23	0	64	48	54	0	14	38	0	0
Crook	7	9	0	0	0	20	0	0	0	0	0
Curry	21	6	0	0	2	0	0	0	0	0	0
Deschutes	93	19	33	129	38	0	39	24	0	0	0
Douglas	128	94	67	0	79	25	43	16	0	56	0
Gilliam	0	0	0	0	0	0	0	0	0	0	0
Grant	13	2	0	0	0	0	0	0	0	0	27
Harney	2	8	0	0	0	0	0	0	0	20	0
Hood River	0	8	0	0	0	0	0	0	0	0	0
Jackson	179	75	24	65	76	45	11	6	0	1	0
Jefferson	12	11	0	0	27	0	5	0	0	0	0
Josephine	99	38	21	64	5	23	8	0	0	0	0
Klamath	18	52	50	64	29	16	18	0	24	1	0
Lake	12	10	0	0	0	25	0	0	0	0	0
Lane	252	77	59	194	132	137	19	62	193	91	20
Lincoln	32	38	28	0	27	13	12	13	0	3	10
Linn	155	58	49	0	46	14	56	16	2	0	3
Malheur	0	6	0	0	57	64	0	21	0	0	0
Marion	293	320	48	0	22	64	26	65	65	77	18
Morrow	6	0	0	0	0	0	15	0	0	0	0
Multnomah	642	314	563	194	269	277	197	273	86	88	29
Polk	16	23	17	64	21	0	1	0	27	0	0
Sherman	0	0	0	0	0	0	0	0	0	0	0
Tillamook	0	17	8	0	0	1	5	18	0	0	0
Umatilla	7	35	0	0	10	0	12	5	0	30	10
Union	15	0	0	0	20	0	4	0	0	0	0
Wallowa	0	0	0	0	12	0	0	0	0	0	0
Wasco	49	14	0	0	0	0	0	0	40	0	0
Washington	245	67	161	194	59	45	11	8	0	27	9
Wheeler	0	0	0	0	0	0	0	0	0	0	0
Yamhill	97	43	35	0	4	0	25	18	0	7	9

Note: A "0" indicates either no deaths occurred before the base age, or no deaths of any kind.

Abbreviations: CeVD = Cerebrovascular Disease; CLRD = Chronic Lower Respiratory Disease; Nephritis = Nephritis, Nephrosis, etc.; Pneu S&L = Pneumonia Due to Solids and Liquids.

**TABLE 6-35. Median Age at Death by Sex and County of Residence,
Oregon, 2004**

County of Residence	Total		Male		Female	
	Number	Median	Number	Median	Number	Median
Total	30,201	79	14,876	76	15,325	81
Baker	207	79	103	77	104	82
Benton	486	81	230	79	256	83
Clackamas	2,730	80	1,245	76	1,485	82
Clatsop	359	78	173	75	186	82
Columbia	402	76	216	73	186	81
Coos	828	78	442	76	386	82
Crook	173	78	84	75	89	80
Curry	284	77	151	75	133	79
Deschutes	961	80	477	77	484	81
Douglas	1,211	78	638	76	573	80
Gilliam	27	79	17	72	10	83
Grant	77	75	39	73	38	80
Harney	66	75	29	73	37	81
Hood River	181	81	95	78	86	84
Jackson	1,885	79	982	77	903	82
Jefferson	161	76	84	73	77	81
Josephine	1,022	79	531	77	491	80
Klamath	705	76	366	74	339	79
Lake	87	75	41	75	46	75
Lane	2,963	78	1,481	76	1,482	81
Lincoln	526	77	268	75	258	80
Linn	1,068	78	525	76	543	80
Malheur	277	80	146	75	131	83
Marion	2,431	78	1,115	76	1,316	81
Morrow	83	74	50	73	33	77
Multnomah	5,410	78	2,616	73	2,794	81
Polk	551	80	275	76	276	82
Sherman	20	75	13	76	7	71
Tillamook	262	80	142	77	120	81
Umatilla	610	77	323	76	287	78
Union	232	81	116	77	116	84
Wallowa	70	77	31	76	39	77
Wasco	285	78	143	76	142	81
Washington	2,801	79	1,314	76	1,487	82
Wheeler	22	80	15	76	7	82
Yamhill	738	78	360	76	378	81

TABLE 6-36. Deaths by Race, Ethnicity, and County of Residence, Oregon, 2004

County of Residence	Total	Race							Hispanic ²
		White	Black	Am. Indian	Chinese	Japanese	Other Asian ¹	Other & NS	
Total	30,201	29,054	412	304	82	65	258	26	511
Baker	207	204	—	3	—	—	—	—	2
Benton	486	480	1	2	2	—	1	—	5
Clackamas	2,730	2,662	15	17	6	5	24	1	28
Clatsop	359	356	—	3	—	—	—	—	4
Columbia	402	400	—	1	—	—	1	—	1
Coos	828	817	1	7	—	1	2	—	6
Crook	173	171	—	2	—	—	—	—	1
Curry	284	275	1	5	—	—	2	1	2
Deschutes	961	947	1	9	—	—	3	1	11
Douglas	1,211	1,190	6	8	1	1	5	—	9
Gilliam	27	27	—	—	—	—	—	—	—
Grant	77	77	—	—	—	—	—	—	1
Harney	66	63	—	3	—	—	—	—	1
Hood River	181	176	1	1	—	3	—	—	12
Jackson	1,885	1,860	2	18	1	2	1	1	19
Jefferson	161	133	1	27	—	—	—	—	7
Josephine	1,022	1,004	4	10	1	—	3	—	8
Klamath	705	667	4	32	—	1	1	—	16
Lake	87	86	—	1	—	—	—	—	—
Lane	2,963	2,910	19	11	7	3	9	4	38
Lincoln	526	513	—	9	—	1	2	1	5
Linn	1,068	1,050	2	13	—	—	3	—	15
Malheur	277	267	—	1	—	8	—	1	27
Marion	2,431	2,371	8	25	5	3	17	2	91
Morrow	83	81	—	1	—	—	—	1	3
Multnomah	5,410	4,869	313	42	41	29	110	6	83
Polk	551	535	2	10	—	2	2	—	16
Sherman	20	18	1	1	—	—	—	—	1
Tillamook	262	258	1	1	1	—	1	—	6
Umatilla	610	583	4	17	—	—	2	4	19
Union	232	230	1	—	—	—	—	1	1
Wallowa	70	69	—	—	—	—	1	—	—
Wasco	285	276	—	7	—	—	2	—	1
Washington	2,801	2,682	22	9	16	5	65	2	61
Wheeler	22	22	—	—	—	—	—	—	—
Yamhill	738	725	2	8	1	1	1	—	11

¹ Including Pacific Islanders.² Decedents of Hispanic ethnicity may belong to any race; most are white. See Table 6-9.

— Quantity is zero.

**TABLE 6-37. Selected Causes of Death for Portland, Eugene, and Salem,
Oregon Residents, 2004**

Selected Causes of Death (and their ICD-10 codes)	Oregon		Portland		Eugene		Salem	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Total	30,201	843.0	4,727	858.6	1,273	880.1	1,413	983.3
Infections & parasitic disease (A00-B99)	545	15.2	107	19.4	20	13.8	26	18.1
Septicemia (A40-A41)	191	5.3	29	5.3	7	4.8	7	4.9
Viral Hepatitis (B15-B19)	107	3.0	24	4.4	3	2.1	2	1.4
HIV disease (B20-B24)	65	1.8	25	4.5	1	0.7	2	1.4
Malignant neoplasms (C00-C97)	7,227	201.7	1,059	192.3	304	210.2	360	250.5
Colon (C18)	510	14.2	75	13.6	15	10.4	25	17.4
Pancreas (C25)	430	12.0	70	12.7	23	15.9	15	10.4
Bronchus & lung (C34)	2,074	57.9	292	53.0	88	60.8	108	75.2
Skin (C43-44)	152	4.2	25	4.5	11	7.6	3	2.1
Breast (C50)	515	14.4	66	12.0	17	11.8	29	20.2
Cervical (C53)	29	0.8	6	1.1	1	0.7	1	0.7
Uterine (C54-C55)	78	2.2	17	3.1	5	3.5	6	4.2
Ovarian (C56)	244	6.8	33	6.0	13	9.0	11	7.7
Prostate (C61)	406	11.3	68	12.4	12	8.3	19	13.2
Kidney & renal pelvis (C64-C65)	158	4.4	19	3.5	4	2.8	6	4.2
Bladder (C67)	191	5.3	23	4.2	9	6.2	10	7.0
Brain (C70-C72)	207	5.8	34	6.2	11	7.6	8	5.6
Lymphatic (C81-C96)	740	20.7	114	20.7	37	25.6	41	28.5
Non-Hodgkin's lymphoma (C82-C85)	316	8.8	43	7.8	12	8.3	23	16.0
Leukemia (C91-C95)	267	7.5	46	8.4	18	12.4	12	8.4
Benign & uncertain neoplasms (D00-D48)	184	5.1	25	4.5	9	6.2	9	6.3
Diabetes mellitus (E10-E14)	1,072	29.9	171	31.1	37	25.6	53	36.9
Organic dementia (F01, F03)	755	21.1	148	26.9	43	29.7	35	24.4
Parkinson's disease (G20-G21)	321	9.0	45	8.2	15	10.4	20	13.9
Alzheimer's disease (G30)	1,263	35.3	169	30.7	71	49.1	47	32.7
Diseases of the circulatory system (I00-I99) ..	9,945	277.6	1,607	291.9	402	277.9	448	311.8
Hypertension/hyperten. renal dis. (I10, I12)	358	10.0	63	11.4	15	10.4	19	13.2
Heart Disease (I00-I09, I11, I13, I20-I51) ...	6,687	186.7	1,078	195.8	256	177.0	272	189.3
Ischemic heart disease (I20-I25)	4,271	119.2	676	122.8	124	85.7	154	107.2
Cerebrovascular disease (I60-I69)	2,322	64.8	385	69.9	105	72.6	125	87.0
Intracerebral hemorrhage, etc. (I61-I62)	375	10.5	79	14.3	18	12.4	17	11.8
Cerebral infarction (I63)	162	4.5	27	4.9	4	2.8	15	10.4
Stroke of unspecified type (I64)	1,194	33.3	181	32.9	58	40.1	63	43.8
Aortic aneurysm (I71)	199	5.6	29	5.3	7	4.8	17	11.8
Influenza & pneumonia (J10-J18)	554	15.5	73	13.3	13	9.0	19	13.2
Chronic lower respiratory diseases (J40-J47) ..	1,770	49.4	217	39.4	74	51.2	102	71.0
Diseases of the digestive system (K00-K92) ..	1,148	32.0	181	32.9	56	38.7	54	37.6
Diseases of the genitourinary sys. (N00-N99)	550	15.4	96	17.4	27	18.7	29	20.2
Nephritis (N00-N07, N17-N19, N25-N27) ...	306	8.5	59	10.7	13	9.0	12	8.4
Perinatal conditions (P00-P96)	112	3.1	26	4.7	2	1.4	4	2.8
Congenital malformations (Q00-Q99)	136	3.8	18	3.3	8	5.5	8	5.6
Sudden infant death syndrome (R95)	19	0.5	4	0.7	1	0.7	—	—
Unintentional injuries (V01-X59, Y85-Y86)	1,423	39.7	226	41.0	50	34.6	61	42.4
Suicide (X60-X84, Y87.0)	555	15.5	85	15.4	25	17.3	29	20.2
Homicide (X85-Y09, Y87.1)	112	3.1	27	4.9	2	1.4	4	2.8
Undetermined intent (Y10-Y34, Y87.2, Y89.9)	91	2.5	34	6.2	1	0.7	7	4.9
<i>Alcohol-induced²</i>	510	14.2	87	15.8	26	18.0	24	16.7
<i>Drug-induced²</i>	471	13.1	138	25.1	25	17.3	29	20.2
<i>Injury by firearms²</i>	383	10.7	54	9.8	13	9.0	14	9.7

¹ Rate per 100,000 population. WARNING: Rates based on less than 5 events are unreliable.

² See Table 6-6, footnotes 34-38, for a list of included conditions and their ICD codes.

— Quantity is zero.

Table 6-38. Selected Causes of Death by County, Oregon Residents, 2004

Selected Causes of Death (and their ICD-10 codes)	Baker		Benton		Clackamas		Clatsop	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Total	207	1250.8	486	594.5	2,730	766.3	359	986.3
Infections & parasitic disease (A00-B99)	3	18.1	7	8.6	65	18.2	4	11.0
Septicemia (A40-A41)	—	—	1	1.2	34	9.5	3	8.2
Viral Hepatitis (B15-B19)	—	—	2	2.4	10	2.8	—	—
HIV disease (B20-B24)	1	6.0	1	1.2	3	0.8	1	2.7
Malignant neoplasms (C00-C97)	49	296.1	103	126.0	626	175.7	102	280.2
Colon (C18)	1	6.0	9	11.0	44	12.4	14	38.5
Pancreas (C25)	3	18.1	7	8.6	34	9.5	6	16.5
Bronchus & lung (C34)	16	96.7	25	30.6	186	52.2	27	74.2
Skin (C43-44)	—	—	3	3.7	14	3.9	2	5.5
Breast (C50)	2	12.1	7	8.6	50	14.0	7	19.2
Cervical (C53)	—	—	—	—	3	0.8	1	2.7
Uterine (C54-C55)	3	18.1	—	—	6	1.7	1	2.7
Ovarian (C56)	3	18.1	6	7.3	22	6.2	3	8.2
Prostate (C61)	3	18.1	4	4.9	39	10.9	6	16.5
Kidney & renal pelvis (C64-C65)	1	6.0	3	3.7	27	7.6	2	5.5
Bladder (C67)	—	—	1	1.2	16	4.5	3	8.2
Brain (C70-C72)	—	—	3	3.7	16	4.5	3	8.2
Lymphatic (C81-C96)	5	30.2	11	13.5	56	15.7	7	19.2
Non-Hodgkin's lymphoma (C82-C85)	2	12.1	7	8.6	24	6.7	4	11.0
Leukemia (C91-C95)	1	6.0	2	2.4	15	4.2	1	2.7
Benign & uncertain neoplasms (D00-D48)	1	6.0	5	6.1	24	6.7	5	13.7
Diabetes mellitus (E10-E14)	10	60.4	19	23.2	86	24.1	15	41.2
Organic dementia (F01-F03)	8	48.3	7	8.6	71	19.9	3	8.2
Parkinson's disease (G20-G21)	1	6.0	9	11.0	35	9.8	4	11.0
Alzheimer's disease (G30)	5	30.2	34	41.6	129	36.2	11	30.2
Diseases of the circulatory system (I00-I99) ..	78	471.3	164	200.6	916	257.1	112	307.7
Hypertension/hyperten. renal dis. (I10, I12)	1	6.0	10	12.2	33	9.3	3	8.2
Heart Disease (I00-I09, I11, I13, I20-I51) ...	54	326.3	111	135.8	608	170.7	79	217.0
Ischemic heart disease (I20-I25)	38	229.6	72	88.1	399	112.0	54	148.4
Cerebrovascular disease (I60-I69)	17	102.7	32	39.1	230	64.6	27	74.2
Intracerebral hemorrhage, etc. (I61-I62)	4	24.2	3	3.7	42	11.8	3	8.2
Cerebral infarction (I63)	—	—	5	6.1	12	3.4	—	—
Stroke of unspecified type (I64)	6	36.3	15	18.3	122	34.2	16	44.0
Aortic aneurysm (I71)	2	12.1	5	6.1	17	4.8	2	5.5
Influenza & pneumonia (J10-J18)	3	18.1	17	20.8	48	13.5	14	38.5
Chronic lower respiratory diseases (J40-J47)	10	60.4	25	30.6	168	47.2	15	41.2
Diseases of the digestive system (K00-K92) ..	11	66.5	23	28.1	102	28.6	17	46.7
Diseases of the genitourinary sys. (N00-N99)	2	12.1	5	6.1	63	17.7	6	16.5
Nephritis (N00-N07, N17-N19, N25-N27) ...	1	6.0	1	1.2	41	11.5	5	13.7
Perinatal conditions (P00-P96)	1	6.0	—	—	8	2.2	1	2.7
Congenital malformations (Q00-Q99)	—	—	2	2.4	7	2.0	1	2.7
Sudden infant death syndrome (R95)	1	6.0	—	—	1	0.3	—	—
Unintentional injuries (V01-X59, Y85-Y86)	12	72.5	26	31.8	125	35.1	22	60.4
Suicide (X60-X84, Y87.0)	1	6.0	3	3.7	35	9.8	5	13.7
Homicide (X85-Y09, Y87.1)	—	—	1	1.2	9	2.5	1	2.7
Undetermined intent (Y10-Y34, Y87.2, Y89.9)	—	—	1	1.2	7	2.0	—	—
<i>Alcohol-induced</i> ²	1	6.0	9	11.0	49	13.8	4	11.0
<i>Drug-induced</i> ²	1	6.0	5	6.1	36	10.1	11	30.2
<i>Injury by firearms</i> ²	1	6.0	—	—	27	7.6	2	5.5

¹ Rate per 100,000 population. WARNING: Rates based on less than 5 events are unreliable.

² See Table 6-6, footnotes 34-38, for a list of included conditions and their ICD codes.

— Quantity is zero.

Table 6-38. Selected Causes of Death by County, Oregon Residents, 2004 — Continued

Selected Causes of Death (and their ICD-10 codes)	Columbia		Coos		Crook		Curry	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Total	402	880.6	828	1320.6	173	837.8	284	1342.8
Infections & parasitic disease (A00-B99)	5	11.0	15	23.9	1	4.8	5	23.6
Septicemia (A40-A41)	1	2.2	5	8.0	1	4.8	2	9.5
Viral Hepatitis (B15-B19)	2	4.4	3	4.8	—	—	3	14.2
HIV disease (B20-B24)	—	—	—	—	—	—	—	—
Malignant neoplasms (C00-C97)	99	216.9	197	314.2	44	213.1	85	401.9
Colon (C18)	7	15.3	11	17.5	3	14.5	7	33.1
Pancreas (C25)	5	11.0	9	14.4	4	19.4	7	33.1
Bronchus & lung (C34)	30	65.7	62	98.9	11	53.3	31	146.6
Skin (C43-44)	1	2.2	4	6.4	2	9.7	1	4.7
Breast (C50)	7	15.3	13	20.7	4	19.4	7	33.1
Cervical (C53)	1	2.2	—	—	—	—	—	—
Uterine (C54-C55)	—	—	2	3.2	—	—	—	—
Ovarian (C56)	2	4.4	3	4.8	—	—	1	4.7
Prostate (C61)	6	13.1	5	8.0	3	14.5	7	33.1
Kidney & renal pelvis (C64-C65)	3	6.6	6	9.6	—	—	1	4.7
Bladder (C67)	2	4.4	5	8.0	1	4.8	3	14.2
Brain (C70-C72)	3	6.6	8	12.8	1	4.8	—	—
Lymphatic (C81-C96)	7	15.3	18	28.7	6	29.1	6	28.4
Non-Hodgkin's lymphoma (C82-C85)	3	6.6	6	9.6	3	14.5	3	14.2
Leukemia (C91-C95)	3	6.6	10	15.9	2	9.7	2	9.5
Benign & uncertain neoplasms (D00-D48)	2	4.4	9	14.4	1	4.8	—	—
Diabetes mellitus (E10-E14)	10	21.9	32	51.0	8	38.7	8	37.8
Organic dementia (F01-F03)	6	13.1	17	27.1	3	14.5	4	18.9
Parkinson's disease (G20-G21)	7	15.3	8	12.8	—	—	2	9.5
Alzheimer's disease (G30)	14	30.7	32	51.0	4	19.4	10	47.3
Diseases of the circulatory system (I00-I99) ..	134	293.5	287	457.7	65	314.8	94	444.4
Hypertension/hyperten. renal dis. (I10, I12) ..	4	8.8	12	19.1	2	9.7	2	9.5
Heart Disease (I00-I09, I11, I13, I20-I51) ...	89	195.0	198	315.8	32	155.0	68	321.5
Ischemic heart disease (I20-I25)	52	113.9	150	239.2	18	87.2	51	241.1
Cerebrovascular disease (I60-I69)	34	74.5	57	90.9	10	48.4	17	80.4
Intracerebral hemorrhage, etc. (I61-I62) ..	6	13.1	15	23.9	2	9.7	5	23.6
Cerebral infarction (I63)	3	6.6	5	8.0	—	—	—	—
Stroke of unspecified type (I64)	19	41.6	28	44.7	5	24.2	10	47.3
Aortic aneurysm (I71)	2	4.4	3	4.8	4	19.4	2	9.5
Influenza & pneumonia (J10-J18)	6	13.1	15	23.9	2	9.7	1	4.7
Chronic lower respiratory diseases (J40-J47) ..	30	65.7	63	100.5	12	58.1	14	66.2
Diseases of the digestive system (K00-K92) ..	11	24.1	35	55.8	7	33.9	12	56.7
Diseases of the genitourinary sys. (N00-N99) ..	6	13.1	14	22.3	4	19.4	3	14.2
Nephritis (N00-N07, N17-N19, N25-N27) ...	4	8.8	9	14.4	1	4.8	2	9.5
Perinatal conditions (P00-P96)	1	2.2	2	3.2	—	—	1	4.7
Congenital malformations (Q00-Q99)	—	—	1	1.6	1	4.8	1	4.7
Sudden infant death syndrome (R95)	1	2.2	1	1.6	—	—	—	—
Unintentional injuries (V01-X59, Y85-Y86)	17	37.2	27	43.1	8	38.7	14	66.2
Suicide (X60-X84, Y87.0)	12	26.3	24	38.3	3	14.5	6	28.4
Homicide (X85-Y09, Y87.1)	2	4.4	2	3.2	—	—	—	—
Undetermined intent (Y10-Y34, Y87.2, Y89.9) ..	3	6.6	—	—	—	—	—	—
<i>Alcohol-induced²</i>	7	15.3	9	14.4	4	19.4	5	23.6
<i>Drug-induced²</i>	8	17.5	9	14.4	1	4.8	5	23.6
<i>Injury by firearms²</i>	6	13.1	18	28.7	2	9.7	4	18.9

¹ Rate per 100,000 population. WARNING: Rates based on less than 5 events are unreliable.

² See Table 6-6, footnotes 34-38, for a list of included conditions and their ICD codes.

— Quantity is zero.

Table 6-38. Selected Causes of Death by County, Oregon Residents, 2004 — Continued

Selected Causes of Death (and their ICD-10 codes)	Deschutes		Douglas		Gilliam		Grant	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Total	961	709.5	1,211	1183.2	27	1421.1	77	993.5
Infections & parasitic disease (A00-B99)	13	9.6	29	28.3	—	—	1	12.9
Septicemia (A40-A41)	3	2.2	11	10.7	—	—	1	12.9
Viral Hepatitis (B15-B19)	3	2.2	6	5.9	—	—	—	—
HIV disease (B20-B24)	2	1.5	3	2.9	—	—	—	—
Malignant neoplasms (C00-C97)	232	171.3	294	287.2	7	368.4	24	309.7
Colon (C18)	18	13.3	18	17.6	1	52.6	2	25.8
Pancreas (C25)	13	9.6	17	16.6	—	—	3	38.7
Bronchus & lung (C34)	84	62.0	88	86.0	—	—	8	103.2
Skin (C43-44)	3	2.2	4	3.9	—	—	—	—
Breast (C50)	17	12.6	16	15.6	1	52.6	1	12.9
Cervical (C53)	—	—	—	—	—	—	1	12.9
Uterine (C54-C55)	—	—	4	3.9	—	—	1	12.9
Ovarian (C56)	7	5.2	15	14.7	—	—	1	12.9
Prostate (C61)	13	9.6	25	24.4	1	52.6	—	—
Kidney & renal pelvis (C64-C65)	8	5.9	10	9.8	—	—	—	—
Bladder (C67)	4	3.0	6	5.9	—	—	1	12.9
Brain (C70-C72)	4	3.0	4	3.9	1	52.6	1	12.9
Lymphatic (C81-C96)	28	20.7	32	31.3	—	—	1	12.9
Non-Hodgkin's lymphoma (C82-C85)	11	8.1	15	14.7	—	—	—	—
Leukemia (C91-C95)	10	7.4	10	9.8	—	—	1	12.9
Benign & uncertain neoplasms (D00-D48)	3	2.2	8	7.8	—	—	—	—
Diabetes mellitus (E10-E14)	21	15.5	42	41.0	3	157.9	—	—
Organic dementia (F01-F03)	41	30.3	24	23.4	1	52.6	2	25.8
Parkinson's disease (G20-G21)	11	8.1	7	6.8	—	—	—	—
Alzheimer's disease (G30)	38	28.1	48	46.9	—	—	3	38.7
Diseases of the circulatory system (I00-I99) ..	315	232.6	405	395.7	7	368.4	18	232.3
Hypertension/hyperten. renal dis. (I10, I12)	8	5.9	15	14.7	2	105.3	1	12.9
Heart Disease (I00-I09, I11, I13, I20-I51) ...	207	152.8	287	280.4	4	210.5	12	154.8
Ischemic heart disease (I20-I25)	142	104.8	189	184.7	3	157.9	4	51.6
Cerebrovascular disease (I60-I69)	77	56.8	76	74.3	—	—	5	64.5
Intracerebral hemorrhage, etc. (I61-I62)	8	5.9	11	10.7	—	—	1	12.9
Cerebral infarction (I63)	1	0.7	5	4.9	—	—	—	—
Stroke of unspecified type (I64)	55	40.6	36	35.2	—	—	2	25.8
Aortic aneurysm (I71)	6	4.4	10	9.8	—	—	—	—
Influenza & pneumonia (J10-J18)	15	11.1	32	31.3	1	52.6	5	64.5
Chronic lower respiratory diseases (J40-J47)	51	37.7	88	86.0	1	52.6	4	51.6
Diseases of the digestive system (K00-K92) ..	33	24.4	43	42.0	2	105.3	1	12.9
Diseases of the genitourinary sys. (N00-N99)	8	5.9	11	10.7	—	—	3	38.7
Nephritis (N00-N07, N17-N19, N25-N27) ...	3	2.2	6	5.9	—	—	—	—
Perinatal conditions (P00-P96)	4	3.0	2	2.0	—	—	1	12.9
Congenital malformations (Q00-Q99)	5	3.7	3	2.9	—	—	—	—
Sudden infant death syndrome (R95)	2	1.5	—	—	—	—	—	—
Unintentional injuries (V01-X59, Y85-Y86)	58	42.8	59	57.6	4	210.5	4	51.6
Suicide (X60-X84, Y87.0)	24	17.7	18	17.6	—	—	2	25.8
Homicide (X85-Y09, Y87.1)	4	3.0	4	3.9	—	—	—	—
Undetermined intent (Y10-Y34, Y87.2, Y89.9)	2	1.5	—	—	—	—	—	—
<i>Alcohol-induced²</i>	26	19.2	10	9.8	—	—	3	38.7
<i>Drug-induced²</i>	13	9.6	11	10.7	—	—	1	12.9
<i>Injury by firearms²</i>	17	12.6	14	13.7	—	—	1	12.9

¹ Rate per 100,000 population. WARNING: Rates based on less than 5 events are unreliable.

² See Table 6-6, footnotes 34-38, for a list of included conditions and their ICD codes.

— Quantity is zero.

Table 6-38. Selected Causes of Death by County, Oregon Residents, 2004 — Continued

Selected Causes of Death (and their ICD-10 codes)	Harney		Hood River		Jackson		Jefferson	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Total	66	862.7	181	859.9	1,885	985.9	161	795.1
Infections & parasitic disease (A00-B99)	2	26.1	—	—	24	12.6	3	14.8
Septicemia (A40-A41)	1	13.1	—	—	6	3.1	2	9.9
Viral Hepatitis (B15-B19)	—	—	—	—	8	4.2	1	4.9
HIV disease (B20-B24)	—	—	—	—	1	0.5	—	—
Malignant neoplasms (C00-C97)	16	209.2	38	180.5	466	243.7	29	143.2
Colon (C18)	2	26.1	4	19.0	32	16.7	2	9.9
Pancreas (C25)	1	13.1	1	4.8	31	16.2	2	9.9
Bronchus & lung (C34)	6	78.4	7	33.3	121	63.3	6	29.6
Skin (C43-44)	—	—	—	—	13	6.8	1	4.9
Breast (C50)	1	13.1	2	9.5	34	17.8	1	4.9
Cervical (C53)	—	—	1	4.8	1	0.5	—	—
Uterine (C54-C55)	—	—	1	4.8	5	2.6	—	—
Ovarian (C56)	1	13.1	4	19.0	12	6.3	1	4.9
Prostate (C61)	—	—	2	9.5	22	11.5	1	4.9
Kidney & renal pelvis (C64-C65)	1	13.1	—	—	8	4.2	1	4.9
Bladder (C67)	2	26.1	—	—	16	8.4	1	4.9
Brain (C70-C72)	—	—	—	—	16	8.4	—	—
Lymphatic (C81-C96)	—	—	5	23.8	48	25.1	5	24.7
Non-Hodgkin's lymphoma (C82-C85)	—	—	4	19.0	21	11.0	2	9.9
Leukemia (C91-C95)	—	—	—	—	19	9.9	1	4.9
Benign & uncertain neoplasms (D00-D48)	—	—	2	9.5	9	4.7	—	—
Diabetes mellitus (E10-E14)	2	26.1	6	28.5	58	30.3	4	19.8
Organic dementia (F01-F03)	—	—	4	19.0	34	17.8	8	39.5
Parkinson's disease (G20-G21)	1	13.1	1	4.8	18	9.4	1	4.9
Alzheimer's disease (G30)	—	—	7	33.3	121	63.3	2	9.9
Diseases of the circulatory system (I00-I99) ..	19	248.4	72	342.0	625	326.9	55	271.6
Hypertension/hyperten. renal dis. (I10, I12)	2	26.1	2	9.5	21	11.0	1	4.9
Heart Disease (I00-I09, I11, I13, I20-I51) ...	10	130.7	62	294.5	400	209.2	41	202.5
Ischemic heart disease (I20-I25)	5	65.4	43	204.3	252	131.8	26	128.4
Cerebrovascular disease (I60-I69)	5	65.4	6	28.5	164	85.8	11	54.3
Intracerebral hemorrhage, etc. (I61-I62)	—	—	—	—	24	12.6	2	9.9
Cerebral infarction (I63)	—	—	—	—	6	3.1	—	—
Stroke of unspecified type (I64)	3	39.2	5	23.8	97	50.7	7	34.6
Aortic aneurysm (I71)	2	26.1	—	—	17	8.9	—	—
Influenza & pneumonia (J10-J18)	1	13.1	7	33.3	31	16.2	—	—
Chronic lower respiratory diseases (J40-J47)	3	39.2	12	57.0	132	69.0	12	59.3
Diseases of the digestive system (K00-K92) ..	3	39.2	4	19.0	50	26.2	15	74.1
Diseases of the genitourinary sys. (N00-N99)	—	—	2	9.5	27	14.1	2	9.9
Nephritis (N00-N07, N17-N19, N25-N27) ...	—	—	—	—	19	9.9	1	4.9
Perinatal conditions (P00-P96)	1	13.1	1	4.8	2	1.0	1	4.9
Congenital malformations (Q00-Q99)	—	—	3	14.3	9	4.7	—	—
Sudden infant death syndrome (R95)	—	—	—	—	1	0.5	—	—
Unintentional injuries (V01-X59, Y85-Y86)	7	91.5	9	42.8	88	46.0	18	88.9
Suicide (X60-X84, Y87.0)	2	26.1	1	4.8	42	22.0	1	4.9
Homicide (X85-Y09, Y87.1)	—	—	—	—	4	2.1	2	9.9
Undetermined intent (Y10-Y34, Y87.2, Y89.9)	—	—	—	—	4	2.1	1	4.9
<i>Alcohol-induced²</i>	—	—	1	4.8	27	14.1	9	44.4
<i>Drug-induced²</i>	1	13.1	1	4.8	35	18.3	2	9.9
<i>Injury by firearms²</i>	2	26.1	1	4.8	26	13.6	2	9.9

¹ Rate per 100,000 population. WARNING: Rates based on less than 5 events are unreliable.

² See Table 6-6, footnotes 34-38, for a list of included conditions and their ICD codes.

— Quantity is zero.

Table 6-38. Selected Causes of Death by County, Oregon Residents, 2004 — Continued

Selected Causes of Death (and their ICD-10 codes)	Josephine		Klamath		Lake		Lane	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Total	1,022	1300.3	705	1088.0	87	1160.0	2,963	888.9
Infections & parasitic disease (A00-B99)	14	17.8	13	20.1	—	—	43	12.9
Septicemia (A40-A41)	5	6.4	5	7.7	—	—	18	5.4
Viral Hepatitis (B15-B19)	2	2.5	2	3.1	—	—	11	3.3
HIV disease (B20-B24)	1	1.3	2	3.1	—	—	3	0.9
Malignant neoplasms (C00-C97)	268	341.0	165	254.6	24	320.0	721	216.3
Colon (C18)	23	29.3	14	21.6	—	—	37	11.1
Pancreas (C25)	13	16.5	9	13.9	2	26.7	51	15.3
Bronchus & lung (C34)	77	98.0	54	83.3	5	66.7	220	66.0
Skin (C43-44)	13	16.5	2	3.1	—	—	21	6.3
Breast (C50)	24	30.5	8	12.3	2	26.7	50	15.0
Cervical (C53)	—	—	—	—	1	13.3	1	0.3
Uterine (C54-C55)	2	2.5	3	4.6	—	—	8	2.4
Ovarian (C56)	2	2.5	5	7.7	2	26.7	23	6.9
Prostate (C61)	18	22.9	6	9.3	1	13.3	39	11.7
Kidney & renal pelvis (C64-C65)	3	3.8	2	3.1	1	13.3	11	3.3
Bladder (C67)	8	10.2	5	7.7	2	26.7	26	7.8
Brain (C70-C72)	5	6.4	3	4.6	1	13.3	26	7.8
Lymphatic (C81-C96)	28	35.6	19	29.3	1	13.3	79	23.7
Non-Hodgkin's lymphoma (C82-C85)	13	16.5	11	17.0	—	—	24	7.2
Leukemia (C91-C95)	6	7.6	5	7.7	1	13.3	38	11.4
Benign & uncertain neoplasms (D00-D48)	5	6.4	3	4.6	—	—	19	5.7
Diabetes mellitus (E10-E14)	28	35.6	25	38.6	1	13.3	100	30.0
Organic dementia (F01-F03)	28	35.6	13	20.1	1	13.3	93	27.9
Parkinson's disease (G20-G21)	7	8.9	6	9.3	—	—	33	9.9
Alzheimer's disease (G30)	31	39.4	35	54.0	2	26.7	136	40.8
Diseases of the circulatory system (I00-I99) ..	338	430.0	225	347.2	32	426.7	913	273.9
Hypertension/hyperten. renal dis. (I10, I12) ..	14	17.8	7	10.8	2	26.7	40	12.0
Heart Disease (I00-I09, I11, I13, I20-I51) ...	245	311.7	179	276.2	19	253.3	611	183.3
Ischemic heart disease (I20-I25)	170	216.3	132	203.7	7	93.3	365	109.5
Cerebrovascular disease (I60-I69)	68	86.5	28	43.2	6	80.0	212	63.6
Intracerebral hemorrhage, etc. (I61-I62) ..	7	8.9	6	9.3	2	26.7	32	9.6
Cerebral infarction (I63)	2	2.5	—	—	—	—	6	1.8
Stroke of unspecified type (I64)	36	45.8	19	29.3	3	40.0	113	33.9
Aortic aneurysm (I71)	5	6.4	3	4.6	—	—	15	4.5
Influenza & pneumonia (J10-J18)	16	20.4	13	20.1	5	66.7	41	12.3
Chronic lower respiratory diseases (J40-J47) ..	57	72.5	48	74.1	7	93.3	186	55.8
Diseases of the digestive system (K00-K92) ..	40	50.9	26	40.1	2	26.7	116	34.8
Diseases of the genitourinary sys. (N00-N99) ..	14	17.8	14	21.6	1	13.3	55	16.5
Nephritis (N00-N07, N17-N19, N25-N27) ...	6	7.6	8	12.3	—	—	33	9.9
Perinatal conditions (P00-P96)	1	1.3	2	3.1	—	—	9	2.7
Congenital malformations (Q00-Q99)	4	5.1	4	6.2	—	—	18	5.4
Sudden infant death syndrome (R95)	1	1.3	1	1.5	—	—	3	0.9
Unintentional injuries (V01-X59, Y85-Y86)	59	75.1	32	49.4	6	80.0	130	39.0
Suicide (X60-X84, Y87.0)	14	17.8	13	20.1	—	—	57	17.1
Homicide (X85-Y09, Y87.1)	8	10.2	5	7.7	—	—	9	2.7
Undetermined intent (Y10-Y34, Y87.2, Y89.9) ..	—	—	3	4.6	—	—	6	1.8
<i>Alcohol-induced</i> ²	18	22.9	18	27.8	2	26.7	56	16.8
<i>Drug-induced</i> ²	9	11.5	6	9.3	1	13.3	47	14.1
<i>Injury by firearms</i> ²	17	21.6	9	13.9	—	—	40	12.0

¹ Rate per 100,000 population. WARNING: Rates based on less than 5 events are unreliable.

² See Table 6-6, footnotes 34-38, for a list of included conditions and their ICD codes.

— Quantity is zero.

Table 6-38. Selected Causes of Death by County, Oregon Residents, 2004 — Continued

Selected Causes of Death (and their ICD-10 codes)	Lincoln		Linn		Malheur		Marion	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Total	526	1184.7	1,068	1004.2	277	869.7	2,431	814.5
Infections & parasitic disease (A00-B99)	7	15.8	25	23.5	6	18.8	42	14.1
Septicemia (A40-A41)	3	6.8	10	9.4	2	6.3	11	3.7
Viral Hepatitis (B15-B19)	3	6.8	4	3.8	3	9.4	3	1.0
HIV disease (B20-B24)	1	2.3	2	1.9	—	—	2	0.7
Malignant neoplasms (C00-C97)	114	256.8	258	242.6	51	160.1	613	205.4
Colon (C18)	9	20.3	14	13.2	7	22.0	54	18.1
Pancreas (C25)	4	9.0	20	18.8	2	6.3	28	9.4
Bronchus & lung (C34)	38	85.6	80	75.2	10	31.4	167	56.0
Skin (C43-44)	3	6.8	6	5.6	—	—	4	1.3
Breast (C50)	6	13.5	20	18.8	3	9.4	49	16.4
Cervical (C53)	—	—	1	0.9	1	3.1	1	0.3
Uterine (C54-C55)	2	4.5	1	0.9	—	—	9	3.0
Ovarian (C56)	3	6.8	13	12.2	2	6.3	22	7.4
Prostate (C61)	5	11.3	9	8.5	2	6.3	36	12.1
Kidney & renal pelvis (C64-C65)	3	6.8	6	5.6	1	3.1	11	3.7
Bladder (C67)	2	4.5	3	2.8	2	6.3	14	4.7
Brain (C70-C72)	1	2.3	11	10.3	—	—	13	4.4
Lymphatic (C81-C96)	10	22.5	22	20.7	4	12.6	66	22.1
Non-Hodgkin's lymphoma (C82-C85)	4	9.0	15	14.1	3	9.4	32	10.7
Leukemia (C91-C95)	2	4.5	6	5.6	1	3.1	20	6.7
Benign & uncertain neoplasms (D00-D48)	3	6.8	8	7.5	1	3.1	16	5.4
Diabetes mellitus (E10-E14)	20	45.0	43	40.4	11	34.5	103	34.5
Organic dementia (F01-F03)	5	11.3	15	14.1	7	22.0	61	20.4
Parkinson's disease (G20-G21)	6	13.5	10	9.4	1	3.1	36	12.1
Alzheimer's disease (G30)	19	42.8	39	36.7	16	50.2	74	24.8
Diseases of the circulatory system (I00-I99) ..	195	439.2	357	335.7	84	263.7	793	265.7
Hypertension/hyperten. renal dis. (I10, I12)	4	9.0	6	5.6	2	6.3	37	12.4
Heart Disease (I00-I09, I11, I13, I20-I51) ...	134	301.8	238	223.8	67	210.4	494	165.5
Ischemic heart disease (I20-I25)	95	214.0	153	143.9	42	131.9	297	99.5
Cerebrovascular disease (I60-I69)	45	101.4	92	86.5	12	37.7	218	73.0
Intracerebral hemorrhage, etc. (I61-I62)	7	15.8	13	12.2	—	—	28	9.4
Cerebral infarction (I63)	7	15.8	8	7.5	2	6.3	25	8.4
Stroke of unspecified type (I64)	23	51.8	47	44.2	5	15.7	100	33.5
Aortic aneurysm (I71)	7	15.8	8	7.5	2	6.3	22	7.4
Influenza & pneumonia (J10-J18)	17	38.3	26	24.4	9	28.3	45	15.1
Chronic lower respiratory diseases (J40-J47)	38	85.6	63	59.2	20	62.8	154	51.6
Diseases of the digestive system (K00-K92) ..	20	45.0	53	49.8	13	40.8	82	27.5
Diseases of the genitourinary sys. (N00-N99)	8	18.0	20	18.8	7	22.0	51	17.1
Nephritis (N00-N07, N17-N19, N25-N27) ...	5	11.3	10	9.4	5	15.7	27	9.0
Perinatal conditions (P00-P96)	3	6.8	2	1.9	1	3.1	5	1.7
Congenital malformations (Q00-Q99)	1	2.3	8	7.5	—	—	20	6.7
Sudden infant death syndrome (R95)	—	—	—	—	—	—	—	—
Unintentional injuries (V01-X59, Y85-Y86)	21	47.3	47	44.2	10	31.4	108	36.2
Suicide (X60-X84, Y87.0)	10	22.5	14	13.2	5	15.7	46	15.4
Homicide (X85-Y09, Y87.1)	1	2.3	3	2.8	1	3.1	8	2.7
Undetermined intent (Y10-Y34, Y87.2, Y89.9)	1	2.3	1	0.9	1	3.1	8	2.7
<i>Alcohol-induced</i> ²	10	22.5	22	20.7	3	9.4	33	11.1
<i>Drug-induced</i> ²	7	15.8	11	10.3	1	3.1	34	11.4
<i>Injury by firearms</i> ²	4	9.0	9	8.5	5	15.7	26	8.7

¹ Rate per 100,000 population. WARNING: Rates based on less than 5 events are unreliable.

² See Table 6-6, footnotes 34-38, for a list of included conditions and their ICD codes.

— Quantity is zero.

Table 6-38. Selected Causes of Death by County, Oregon Residents, 2004 — Continued

Selected Causes of Death (and their ICD-10 codes)	Morrow		Multnomah		Polk		Sherman	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Total	83	706.4	5,410	788.7	551	848.3	20	1052.6
Infections & parasitic disease (A00-B99)	1	8.5	126	18.4	11	16.9	—	—
Septicemia (A40-A41)	1	8.5	35	5.1	2	3.1	—	—
Viral Hepatitis (B15-B19)	—	—	26	3.8	1	1.5	—	—
HIV disease (B20-B24)	—	—	29	4.2	1	1.5	—	—
Malignant neoplasms (C00-C97)	26	221.3	1,217	177.4	141	217.1	4	210.5
Colon (C18)	2	17.0	82	12.0	10	15.4	—	—
Pancreas (C25)	1	8.5	76	11.1	8	12.3	1	52.6
Bronchus & lung (C34)	11	93.6	347	50.6	41	63.1	3	157.9
Skin (C43-44)	—	—	28	4.1	4	6.2	—	—
Breast (C50)	1	8.5	77	11.2	10	15.4	—	—
Cervical (C53)	—	—	6	0.9	—	—	—	—
Uterine (C54-C55)	—	—	18	2.6	—	—	—	—
Ovarian (C56)	2	17.0	41	6.0	5	7.7	—	—
Prostate (C61)	—	—	72	10.5	10	15.4	—	—
Kidney & renal pelvis (C64-C65)	—	—	22	3.2	3	4.6	—	—
Bladder (C67)	1	8.5	32	4.7	6	9.2	—	—
Brain (C70-C72)	1	8.5	37	5.4	3	4.6	—	—
Lymphatic (C81-C96)	2	17.0	125	18.2	14	21.6	—	—
Non-Hodgkin's lymphoma (C82-C85)	1	8.5	47	6.9	9	13.9	—	—
Leukemia (C91-C95)	1	8.5	52	7.6	4	6.2	—	—
Benign & uncertain neoplasms (D00-D48)	1	8.5	28	4.1	4	6.2	—	—
Diabetes mellitus (E10-E14)	5	42.6	202	29.4	19	29.3	1	52.6
Organic dementia (F01-F03)	—	—	171	24.9	9	13.9	1	52.6
Parkinson's disease (G20-G21)	1	8.5	49	7.1	5	7.7	—	—
Alzheimer's disease (G30)	2	17.0	201	29.3	18	27.7	—	—
Diseases of the circulatory system (I00-I99) ..	24	204.3	1,820	265.3	191	294.1	8	421.1
Hypertension/hyperten. renal dis. (I10, I12)	1	8.5	62	9.0	7	10.8	—	—
Heart Disease (I00-I09, I11, I13, I20-I51) ...	16	136.2	1,231	179.5	115	177.1	8	421.1
Ischemic heart disease (I20-I25)	7	59.6	774	112.8	66	101.6	4	210.5
Cerebrovascular disease (I60-I69)	5	42.6	432	63.0	55	84.7	—	—
Intracerebral hemorrhage, etc. (I61-I62)	1	8.5	90	13.1	4	6.2	—	—
Cerebral infarction (I63)	—	—	31	4.5	10	15.4	—	—
Stroke of unspecified type (I64)	1	8.5	203	29.6	30	46.2	—	—
Aortic aneurysm (I71)	1	8.5	34	5.0	4	6.2	—	—
Influenza & pneumonia (J10-J18)	2	17.0	84	12.2	4	6.2	—	—
Chronic lower respiratory diseases (J40-J47)	6	51.1	253	36.9	24	37.0	1	52.6
Diseases of the digestive system (K00-K92) ..	5	42.6	203	29.6	29	44.6	1	52.6
Diseases of the genitourinary sys. (N00-N99)	—	—	111	16.2	8	12.3	—	—
Nephritis (N00-N07, N17-N19, N25-N27) ...	—	—	67	9.8	2	3.1	—	—
Perinatal conditions (P00-P96)	1	8.5	31	4.5	2	3.1	—	—
Congenital malformations (Q00-Q99)	—	—	22	3.2	5	7.7	—	—
Sudden infant death syndrome (R95)	—	—	3	0.4	1	1.5	—	—
Unintentional injuries (V01-X59, Y85-Y86)	2	17.0	250	36.4	26	40.0	2	105.3
Suicide (X60-X84, Y87.0)	2	17.0	94	13.7	8	12.3	—	—
Homicide (X85-Y09, Y87.1)	—	—	32	4.7	1	1.5	1	52.6
Undetermined intent (Y10-Y34, Y87.2, Y89.9)	—	—	37	5.4	2	3.1	—	—
<i>Alcohol-induced²</i>	2	17.0	102	14.9	14	21.6	1	52.6
<i>Drug-induced²</i>	—	—	147	21.4	3	4.6	—	—
<i>Injury by firearms²</i>	3	25.5	60	8.7	6	9.2	—	—

¹ Rate per 100,000 population. WARNING: Rates based on less than 5 events are unreliable.

² See Table 6-6, footnotes 34-38, for a list of included conditions and their ICD codes.

— Quantity is zero.

Table 6-38. Selected Causes of Death by County, Oregon Residents, 2004 — Continued

Selected Causes of Death (and their ICD-10 codes)	Tillamook		Umatilla		Union		Wallowa	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Total	262	1050.1	610	844.3	232	933.6	70	979.0
Infections & parasitic disease (A00-B99)	2	8.0	10	13.8	8	32.2	1	14.0
Septicemia (A40-A41)	1	4.0	6	8.3	5	20.1	—	—
Viral Hepatitis (B15-B19)	—	—	1	1.4	2	8.0	1	14.0
HIV disease (B20-B24)	1	4.0	—	—	—	—	—	—
Malignant neoplasms (C00-C97)	57	228.5	150	207.6	54	217.3	18	251.7
Colon (C18)	4	16.0	10	13.8	—	—	1	14.0
Pancreas (C25)	2	8.0	10	13.8	—	—	1	14.0
Bronchus & lung (C34)	13	52.1	45	62.3	12	48.3	5	69.9
Skin (C43-44)	1	4.0	2	2.8	—	—	1	14.0
Breast (C50)	6	24.0	11	15.2	5	20.1	—	—
Cervical (C53)	—	—	1	1.4	—	—	—	—
Uterine (C54-C55)	—	—	2	2.8	—	—	—	—
Ovarian (C56)	3	12.0	3	4.2	3	12.1	3	42.0
Prostate (C61)	5	20.0	7	9.7	9	36.2	—	—
Kidney & renal pelvis (C64-C65)	2	8.0	4	5.5	1	4.0	—	—
Bladder (C67)	1	4.0	5	6.9	2	8.0	2	28.0
Brain (C70-C72)	1	4.0	5	6.9	3	12.1	1	14.0
Lymphatic (C81-C96)	4	16.0	22	30.4	4	16.1	—	—
Non-Hodgkin's lymphoma (C82-C85)	1	4.0	7	9.7	1	4.0	—	—
Leukemia (C91-C95)	2	8.0	11	15.2	1	4.0	—	—
Benign & uncertain neoplasms (D00-D48)	—	—	4	5.5	—	—	—	—
Diabetes mellitus (E10-E14)	6	24.0	31	42.9	5	20.1	1	14.0
Organic dementia (F01-F03)	5	20.0	8	11.1	14	56.3	1	14.0
Parkinson's disease (G20-G21)	1	4.0	4	5.5	2	8.0	1	14.0
Alzheimer's disease (G30)	13	52.1	21	29.1	8	32.2	1	14.0
Diseases of the circulatory system (I00-I99) ..	88	352.7	181	250.5	64	257.5	20	279.7
Hypertension/hyperten. renal dis. (I10, I12) ..	1	4.0	11	15.2	—	—	—	—
Heart Disease (I00-I09, I11, I13, I20-I51) ...	56	224.4	118	163.3	54	217.3	15	209.8
Ischemic heart disease (I20-I25)	41	164.3	71	98.3	37	148.9	12	167.8
Cerebrovascular disease (I60-I69)	22	88.2	41	56.7	7	28.2	5	69.9
Intracerebral hemorrhage, etc. (I61-I62) ..	4	16.0	8	11.1	1	4.0	—	—
Cerebral infarction (I63)	—	—	5	6.9	1	4.0	1	14.0
Stroke of unspecified type (I64)	12	48.1	21	29.1	2	8.0	2	28.0
Aortic aneurysm (I71)	2	8.0	2	2.8	1	4.0	—	—
Influenza & pneumonia (J10-J18)	2	8.0	12	16.6	2	8.0	3	42.0
Chronic lower respiratory diseases (J40-J47) ..	26	104.2	36	49.8	13	52.3	3	42.0
Diseases of the digestive system (K00-K92) ..	12	48.1	25	34.6	15	60.4	3	42.0
Diseases of the genitourinary sys. (N00-N99) ..	4	16.0	9	12.5	9	36.2	1	14.0
Nephritis (N00-N07, N17-N19, N25-N27) ...	2	8.0	4	5.5	4	16.1	1	14.0
Perinatal conditions (P00-P96)	—	—	2	2.8	—	—	—	—
Congenital malformations (Q00-Q99)	—	—	3	4.2	—	—	—	—
Sudden infant death syndrome (R95)	—	—	—	—	—	—	—	—
Unintentional injuries (V01-X59, Y85-Y86)	15	60.1	28	38.8	9	36.2	6	83.9
Suicide (X60-X84, Y87.0)	9	36.1	21	29.1	5	20.1	4	55.9
Homicide (X85-Y09, Y87.1)	—	—	6	8.3	1	4.0	—	—
Undetermined intent (Y10-Y34, Y87.2, Y89.9) ..	—	—	2	2.8	—	—	—	—
<i>Alcohol-induced²</i>	1	4.0	10	13.8	4	16.1	2	28.0
<i>Drug-induced²</i>	8	32.1	3	4.2	1	4.0	1	14.0
<i>Injury by firearms²</i>	5	20.0	18	24.9	5	20.1	1	14.0

¹ Rate per 100,000 population. WARNING: Rates based on less than 5 events are unreliable.

² See Table 6-6, footnotes 34-38, for a list of included conditions and their ICD codes.

— Quantity is zero.

Table 6-38. Selected Causes of Death by County, Oregon Residents, 2004 — Continued

Selected Causes of Death (and their ICD-10 codes)	Wasco		Washington		Wheeler		Yamhill	
	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹	No.	Rate ¹
Total	285	1192.5	2,801	583.3	22	1419.4	738	827.4
Infections & parasitic disease (A00-B99)	4	16.7	47	9.8	1	64.5	7	7.8
Septicemia (A40-A41)	—	—	12	2.5	1	64.5	3	3.4
Viral Hepatitis (B15-B19)	1	4.2	8	1.7	—	—	1	1.1
HIV disease (B20-B24)	—	—	9	1.9	—	—	2	2.2
Malignant neoplasms (C00-C97)	69	288.7	689	143.5	6	387.1	171	191.7
Colon (C18)	5	20.9	51	10.6	1	64.5	11	12.3
Pancreas (C25)	4	16.7	44	9.2	—	—	11	12.3
Bronchus & lung (C34)	20	83.7	169	35.2	1	64.5	48	53.8
Skin (C43-44)	6	25.1	12	2.5	—	—	1	1.1
Breast (C50)	4	16.7	59	12.3	—	—	10	11.2
Cervical (C53)	2	8.4	6	1.2	—	—	1	1.1
Uterine (C54-C55)	1	4.2	6	1.2	—	—	3	3.4
Ovarian (C56)	3	12.6	18	3.7	—	—	10	11.2
Prostate (C61)	1	4.2	40	8.3	2	129.0	7	7.8
Kidney & renal pelvis (C64-C65)	—	—	12	2.5	—	—	5	5.6
Bladder (C67)	1	4.2	15	3.1	—	—	3	3.4
Brain (C70-C72)	3	12.6	28	5.8	—	—	5	5.6
Lymphatic (C81-C96)	8	33.5	73	15.2	2	129.0	22	24.7
Non-Hodgkin's lymphoma (C82-C85)	3	12.6	29	6.0	—	—	11	12.3
Leukemia (C91-C95)	1	4.2	30	6.2	2	129.0	7	7.8
Benign & uncertain neoplasms (D00-D48)	2	8.4	16	3.3	—	—	5	5.6
Diabetes mellitus (E10-E14)	12	50.2	103	21.4	—	—	32	35.9
Organic dementia (F01-F03)	7	29.3	72	15.0	2	129.0	9	10.1
Parkinson's disease (G20-G21)	1	4.2	40	8.3	—	—	13	14.6
Alzheimer's disease (G30)	20	83.7	137	28.5	1	64.5	31	34.8
Diseases of the circulatory system (I00-I99) ..	91	380.8	905	188.5	6	387.1	244	273.5
Hypertension/hyperten. renal dis. (I10, I12)	2	8.4	35	7.3	—	—	8	9.0
Heart Disease (I00-I09, I11, I13, I20-I51) ...	60	251.0	593	123.5	2	129.0	170	190.6
Ischemic heart disease (I20-I25)	33	138.1	368	76.6	1	64.5	98	109.9
Cerebrovascular disease (I60-I69)	23	96.2	220	45.8	2	129.0	61	68.4
Intracerebral hemorrhage, etc. (I61-I62)	2	8.4	32	6.7	—	—	12	13.5
Cerebral infarction (I63)	4	16.7	16	3.3	—	—	7	7.8
Stroke of unspecified type (I64)	9	37.7	116	24.2	2	129.0	24	26.9
Aortic aneurysm (I71)	1	4.2	17	3.5	—	—	3	3.4
Influenza & pneumonia (J10-J18)	6	25.1	49	10.2	—	—	20	22.4
Chronic lower respiratory diseases (J40-J47)	30	125.5	122	25.4	—	—	43	48.2
Diseases of the digestive system (K00-K92) ..	9	37.7	93	19.4	—	—	32	35.9
Diseases of the genitourinary sys. (N00-N99)	8	33.5	57	11.9	—	—	17	19.1
Nephritis (N00-N07, N17-N19, N25-N27) ...	5	20.9	26	5.4	—	—	8	9.0
Perinatal conditions (P00-P96)	1	4.2	25	5.2	—	—	1	1.1
Congenital malformations (Q00-Q99)	1	4.2	15	3.1	—	—	2	2.2
Sudden infant death syndrome (R95)	—	—	3	0.6	—	—	—	—
Unintentional injuries (V01-X59, Y85-Y86)	5	20.9	128	26.7	3	193.5	38	42.6
Suicide (X60-X84, Y87.0)	4	16.7	56	11.7	—	—	14	15.7
Homicide (X85-Y09, Y87.1)	—	—	7	1.5	—	—	—	—
Undetermined intent (Y10-Y34, Y87.2, Y89.9)	—	—	8	1.7	1	64.5	3	3.4
<i>Alcohol-induced²</i>	5	20.9	35	7.3	—	—	8	9.0
<i>Drug-induced²</i>	2	8.4	37	7.7	1	64.5	12	13.5
<i>Injury by firearms²</i>	3	12.6	41	8.5	—	—	8	9.0

¹ Rate per 100,000 population. WARNING: Rates based on less than 5 events are unreliable.

² See Table 6-6, footnotes 34-38, for a list of included conditions and their ICD codes.

— Quantity is zero.

TABLE 6-39. All Deaths and Medical Examiner's Cases by County of Occurrence, Autopsy Status, and Manner of Death, Oregon, 2004

County of Occurrence and Manner of Death	All Deaths			M.E. Cases		
	Total	Autopsied	Percent Autopsied	Total	Autopsied	Percent Autopsied
Total	30,341	1,324	4.4	3,416	897	26.3
Baker	186	6	3.2	31	6	19.4
Benton	589	15	2.5	37	12	32.4
Clackamas	2,588	96	3.7	233	63	27.0
Clatsop	300	9	3.0	51	8	15.7
Columbia	217	10	4.6	39	8	20.5
Coos	804	24	3.0	79	16	20.3
Crook	156	3	1.9	26	2	7.7
Curry	207	12	5.8	31	11	35.5
Deschutes	1,073	29	2.7	163	25	15.3
Douglas	1,157	41	3.5	115	29	25.2
Gilliam	23	1	4.3	5	1	20.0
Grant	72	3	4.2	12	3	25.0
Harney	51	—	—	11	—	—
Hood River	186	5	2.7	22	3	13.6
Jackson	1,946	74	3.8	213	61	28.6
Jefferson	138	5	3.6	21	4	19.0
Josephine	995	42	4.2	126	41	32.5
Klamath	689	44	6.4	95	36	37.9
Lake	70	3	4.3	10	2	20.0
Lane	3,007	145	4.8	277	114	41.2
Lincoln	465	15	3.2	89	10	11.2
Linn	935	35	3.7	111	31	27.9
Malheur	272	12	4.4	34	12	35.3
Marion	2,486	84	3.4	200	56	28.0
Morrow	47	2	4.3	10	1	10.0
Multnomah	6,524	439	6.7	868	234	27.0
Polk	364	13	3.6	45	9	20.0
Sherman	13	—	—	4	—	—
Tillamook	233	16	6.9	49	15	30.6
Umatilla	495	21	4.2	72	18	25.0
Union	214	3	1.4	32	3	9.4
Wallowa	63	1	1.6	10	1	10.0
Wasco	322	7	2.2	19	2	10.5
Washington	2,766	91	3.3	211	44	20.9
Wheeler	12	3	25.0	6	3	50.0
Yamhill	676	15	2.2	59	13	22.0
<u>Manner of Death</u>						
Natural	28,086	777	2.8	1,459	356	24.4
Unintentional	1,441	307	21.3	1,180	302	25.6
Suicide	567	73	12.9	563	73	13.0
Homicide	115	110	95.7	114	110	96.5
Undetermined	91	44	48.4	87	44	50.6
Legal Intervention	11	11	100.0	11	11	100.0
Medical Care Complication	30	2	6.7	2	1	50.0

— Quantity is 0.

**TABLE 6-40. Deaths Occurring in Oregon by Disposal of Remains
and County of Residence, 2004**

County of Residence	Total		Burial		Cremation		Mausoleum		Removal ¹		Other	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Total	30,341	100	8,828	29	18,762	62	855	3	1,762	6	134	<0.5
Baker	180	100	71	39	100	56	—	—	8	4	1	1
Benton	480	100	129	27	316	66	11	2	22	5	2	<0.5
Clackamas	2,679	100	823	31	1,617	60	131	5	95	4	13	<0.5
Clatsop	342	100	93	27	239	70	2	1	7	2	1	<0.5
Columbia	313	100	114	36	168	54	8	3	23	7	—	—
Coos	817	100	184	23	583	71	14	2	36	4	—	—
Crook	168	100	60	36	104	62	—	—	3	2	1	1
Curry	251	100	36	14	199	79	—	—	14	6	2	1
Deschutes	940	100	236	25	638	68	17	2	47	5	2	<0.5
Douglas	1,199	100	296	25	848	71	10	1	44	4	1	<0.5
Gilliam	27	100	15	56	10	37	—	—	2	7	—	—
Grant	75	100	29	39	43	57	—	—	3	4	—	—
Harney	63	100	23	37	37	59	—	—	2	3	1	2
Hood River	179	100	60	34	91	51	4	2	23	13	1	1
Jackson	1,864	100	451	24	1,287	69	37	2	83	4	6	<0.5
Jefferson	161	100	75	47	74	46	4	2	7	4	1	1
Josephine	1,013	100	253	25	707	70	8	1	45	4	—	—
Klamath	689	100	214	31	445	65	3	<0.5	26	4	1	<0.5
Lake	85	100	26	31	56	66	1	1	2	2	—	—
Lane	2,914	100	766	26	1,971	68	72	2	93	3	12	<0.5
Lincoln	518	100	83	16	405	78	7	1	21	4	2	<0.5
Linn	1,056	100	402	38	588	56	21	2	43	4	2	<0.5
Malheur	231	100	92	40	43	19	—	—	96	42	—	—
Marion	2,402	100	857	36	1,383	58	68	3	76	3	18	1
Morrow	78	100	27	35	46	59	—	—	5	6	—	—
Multnomah	5,311	100	1,584	30	3,215	61	268	5	203	4	41	1
Polk	543	100	176	32	323	59	18	3	25	5	1	<0.5
Sherman	19	100	10	53	9	47	—	—	—	—	—	—
Tillamook	257	100	71	28	167	65	3	1	14	5	2	1
Umatilla	487	100	195	40	199	41	—	—	92	19	1	<0.5
Union	214	100	82	38	71	33	4	2	57	27	—	—
Wallowa	65	100	34	52	1	2	—	—	30	46	—	—
Wasco	277	100	92	33	166	60	4	1	15	5	—	—
Washington	2,761	100	842	30	1,677	61	102	4	124	4	16	1
Wheeler	22	100	12	55	10	45	—	—	—	—	—	—
Yamhill	730	100	237	32	441	60	33	5	18	2	1	<0.5
Out-of-state	931	100	78	8	485	52	5	1	358	38	5	1

¹ Out-of-state.

— Quantity is zero.

**TABLE 6-41. Unintentional Injury Deaths for Selected Causes,
by County of Residence, Oregon, 2004**

County of Residence	Total ¹	Motor Vehicle	Falls	Poison - Drugs ²	Poison - Other ³	Drowning	Water Transport ⁴	Fire
Total	1,423	489	381	218	6	59	14	34
Baker	12	4	7	1	—	—	—	—
Benton	26	10	10	2	—	—	—	1
Clackamas	125	36	39	18	—	8	1	1
Clatsop	22	6	7	6	—	1	—	1
Columbia	17	5	5	1	—	—	—	—
Coos	27	10	9	2	—	1	—	1
Crook	8	2	1	1	—	2	—	—
Curry	14	5	2	3	—	1	—	—
Deschutes	58	22	17	5	1	2	1	1
Douglas	59	32	8	7	—	1	—	—
Gilliam	4	4	—	—	—	—	—	—
Grant	4	1	1	1	—	—	—	1
Harney	7	4	1	1	—	—	—	1
Hood River	9	6	—	1	—	—	—	—
Jackson	88	41	20	18	—	2	—	2
Jefferson	18	5	7	1	—	—	—	—
Josephine	59	18	20	7	—	3	—	3
Klamath	32	22	2	2	—	1	1	—
Lake	6	3	1	1	—	—	—	—
Lane	130	38	29	25	—	7	4	3
Lincoln	21	4	10	1	2	—	1	—
Linn	47	19	10	7	—	1	—	1
Malheur	10	4	2	1	—	—	—	—
Marion	108	45	22	11	1	6	—	6
Morrow	2	1	—	—	—	—	—	—
Multnomah	250	62	72	65	1	11	3	7
Polk	26	8	5	2	—	—	—	—
Sherman	2	1	1	—	—	—	—	—
Tillamook	15	5	3	3	—	—	—	—
Umatilla	28	12	9	1	—	1	1	—
Union	9	3	2	1	—	—	—	—
Wallowa	6	2	3	—	—	—	—	—
Wasco	5	—	—	2	—	—	1	—
Washington	128	40	41	16	1	9	1	1
Wheeler	3	—	1	—	—	—	—	2
Yamhill	38	9	14	5	—	2	—	2

¹ Includes all unintentional injury deaths, not just those in the seven categories shown.

² Includes overdoses from all drugs/medications; ICD-10 codes do not distinguish between illicit and licit drugs.

³ Includes poisonings by substances other than drugs, such as carbon monoxide and alcohol.

⁴ Includes both drownings and other mishaps, but not voluntarily jumping from a watercraft.

— Quantity is zero.

**TABLE 6-42. Unintentional Injury Deaths for Selected Causes,
by County of Injury, Oregon, 2004**

County of Injury ¹	Total ²	Motor Vehicle	Falls	Poison - Drugs ³	Poison - Other ⁴	Drowning	Water Transport ⁵	Fire
Total	1,260	464	349	186	5	58	12	30
Baker	12	5	6	1	—	—	—	—
Benton	23	5	13	2	—	—	—	1
Clackamas	99	27	36	13	—	5	—	2
Clatsop	26	11	6	5	—	1	1	1
Columbia	11	5	3	1	—	1	—	—
Coos	27	14	7	2	—	1	—	1
Crook	6	3	—	—	—	1	—	—
Curry	15	4	4	3	—	2	1	—
Deschutes	56	19	19	6	1	2	—	1
Douglas	57	34	7	5	—	2	—	—
Gilliam	4	3	—	—	—	—	—	—
Grant	8	4	1	1	—	—	—	1
Harney	6	3	1	1	—	—	—	1
Hood River	12	7	2	1	—	—	—	—
Jackson	87	45	18	16	—	3	—	2
Jefferson	23	9	8	1	—	—	1	—
Josephine	60	21	20	6	—	2	—	3
Klamath	28	19	3	2	—	1	1	—
Lake	6	3	2	—	—	—	—	—
Lane	119	41	28	23	—	7	3	2
Lincoln	31	6	13	1	2	4	1	—
Linn	44	18	8	6	—	—	1	1
Malheur	10	4	1	—	—	—	—	—
Marion	93	39	17	11	—	6	—	4
Morrow	3	—	—	1	—	—	—	—
Multnomah	152	26	51	52	1	6	1	3
Polk	24	11	4	4	—	—	—	—
Sherman	2	2	—	—	—	—	—	—
Tillamook	27	11	3	4	—	4	1	—
Umatilla	23	10	9	1	—	2	—	—
Union	11	5	2	1	—	—	—	—
Wallowa	7	2	3	—	—	—	1	—
Wasco	8	3	1	2	—	1	—	—
Washington	101	34	37	11	1	6	—	1
Wheeler	4	1	1	—	—	—	—	2
Yamhill	35	10	15	3	—	1	—	4

¹ The county of death is used in lieu of the county of injury for those few cases where the county of injury was not reported by the certifying physician.

² Includes all unintentional injury deaths, not just those in the seven categories shown.

³ Includes overdoses from all drugs/medications; ICD-10 codes do not distinguish between illicit and licit drugs.

⁴ Includes poisonings by substances other than drugs, such as carbon monoxide and alcohol.

⁵ Includes both drownings and other mishaps, but not voluntarily jumping from a watercraft.

— Quantity is zero.

**TABLE 6-43t. Age-adjusted Death Rates for Selected Causes,
Oregon Residents, 2000-2004**

Cause of Death	2000	2001	2002	2003	2004
Total Both Genders.....	826.9	835.9	855.0	838.4	814.8
Infectious & parasitic disease (A00-B99).....	12.5	12.8	14.5	14.5	14.7
Septicemia (A40-A41)	5.3	5.1	4.4	4.8	5.2
Viral hepatitis (B15-B19)	2.2	2.5	3.5	2.6	2.9
HIV disease (B20-B24)	1.8	1.9	2.5	2.5	1.8
Malignant neoplasms (C00-C97).....	197.6	198.7	200.9	198.3	196.7
Lip, oral cavity & pharynx (C00-C14)	2.6	3.2	2.7	2.6	2.6
Esophagus (C15)	4.8	5.7	5.1	4.9	5.6
Stomach (C16)	3.6	2.8	3.5	3.4	3.3
Colon, rectum & anus (C18-C21).....	17.7	19.8	18.3	18.8	17.5
Liver & intrahepatic bile duct (C22)	4.3	3.6	4.1	4.7	4.7
Pancreas (C25)	10.1	11.1	11.2	10.4	11.7
Trachea, bronchus & lung (C33-C34).....	59.2	55.9	57.5	57.2	56.9
Melanoma of skin (C43)	3.0	3.3	3.4	3.5	3.3
Breast (C50)	13.7	14.8	14.0	15.1	13.9
Cervix uteri (C53) ¹	2.0	2.7	2.4	2.2	1.5
Corpus uteri (C54-C55) ¹	4.3	4.1	3.9	3.8	3.7
Ovary (C56) ¹	10.3	10.0	10.5	9.1	11.7
Prostate (C61) ¹	29.9	29.9	29.4	27.1	25.8
Kidney & renal pelvis (C64-C65).....	4.4	3.8	4.6	3.9	4.3
Bladder (C67)	4.6	5.1	5.5	5.2	5.2
Brain, etc. (C70-C72) ²	5.5	5.5	6.1	5.4	5.6
Lymphoid & hematopoietic (C81-C96)	20.4	21.4	21.5	21.2	20.1
Non-Hodgkin's lymphoma (C82-C85)	8.4	9.3	8.3	8.9	8.6
Leukemia (C91-C95).....	7.6	7.9	7.7	7.3	7.3
Multiple myeloma (C88, C90) ³	3.9	3.9	5.0	4.6	4.0
Anemias (D50-D64).....	1.4	1.5	1.4	1.7	1.6
Diabetes mellitus (E10-E14).....	23.8	28.8	28.6	28.1	29.0
Parkinson's disease (G20-G21).....	7.7	8.0	8.3	8.4	8.6
Alzheimer's disease (G30)	24.8	28.1	30.3	30.6	33.4
Major cardiovascular diseases (I00-I78).....	291.5	290.6	295.0	281.1	264.5
Heart disease (I00-I09, I11, I13, I20-I51)	197.5	195.2	198.0	189.5	179.2
Rheumatic heart disease (I00-I09) ⁴	1.8	1.9	1.2	1.7	1.7
Hypertensive heart disease (I11).....	5.1	6.0	5.7	5.5	5.0
Hypertensive heart & renal dis. (I13).....	0.7	0.7	0.8	1.0	1.0
Ischemic heart diseases (I20-I25).....	132.5	130.6	131.3	124.3	114.7
Myocardial infarction (I21-I22).....	49.4	47.3	47.2	45.1	39.5
Chronic ischemic heart dis. (I20, I25).....	82.7	83.0	83.6	78.8	75.0
Atherosclerotic cardiovascular dis. (I25.0)	11.8	11.3	11.6	9.2	8.6
Other chr. isch. hrt. dis. (I20, I25.1-I25.9)	70.9	71.7	72.1	69.6	66.3
Heart failure (I50)	22.5	21.6	21.6	20.3	19.5
Hypertension & hyp. renal dis. (I10, I12)	6.2	8.6	9.6	9.3	9.5
Cerebrovascular disease (I60-I69)	70.8	71.4	71.7	68.5	61.9
Atherosclerosis (I70)	6.4	5.3	5.7	5.5	4.6
Aortic aneurysm & dissection (I71)	6.4	6.4	5.4	5.3	5.4
Diseases of arteries (I72-I78) ⁵	4.2	3.8	4.6	3.1	3.8
Influenza & pneumonia (J10-J18).....	17.5	15.7	17.9	17.0	14.7
Pneumonia (J12-J18).....	16.9	15.7	17.6	16.5	14.7

**TABLE 6-43t. Age-adjusted Death Rates for Selected Causes,
Oregon Residents, 2000-2004, Continued**

Cause of Death	2000	2001	2002	2003	2004
Chronic lower respiratory disease (J40-J47)	47.8	48.6	50.9	49.8	48.1
Emphysema (J43)	8.3	7.6	7.7	7.9	6.4
Asthma (J45-J46)	1.7	1.8	1.9	1.5	1.3
Other CLRD (J44, J47)	37.1	38.9	41.1	40.1	40.1
Pneumonitis from solids & liquids (J69)	3.9	4.2	5.0	4.4	4.6
Peptic ulcer (K25-K28)	1.5	1.8	1.7	1.3	1.7
Chronic liver disease & cirrhosis (K70, K73-K74)	8.7	9.7	10.2	10.3	10.5
Alcoholic liver disease (K70)	6.8	7.7	7.8	8.4	8.2
Cholelithiasis & other gallbladder dis. (K80-K82)	1.0	1.2	1.0	1.2	1.5
Nephritis (N00-N07, N17-N19, N25-N27) ⁶	8.3	7.9	7.4	8.2	8.2
Renal failure (N17-N19)	8.1	7.5	6.9	7.7	7.9
Perinatal conditions (P00-P96)	3.2	3.4	3.7	3.5	3.4
Congenital malformation (Q00-Q99)	3.9	3.9	4.4	3.6	3.9
Symptoms & signs NEC (R00-R99)	28.7	18.6	15.0	15.7	11.2
Accidents (V01-X59, Y85-Y86)	34.6	35.4	38.4	38.3	38.8
Transport accidents (V01-V99, Y85)	15.9	16.0	14.8	16.5	14.7
Motor vehicle acc. (Many codes) ⁷	14.1	14.7	12.9	14.8	13.5
Motor vehicle traffic acc. (Many codes) ⁸	13.3	13.9	12.4	14.5	12.9
Motor vehicle nontraffic acc. (Many codes) ⁹	0.8	0.7	0.5	0.3	0.6
Water & air, etc. (V90-V99, Y85)	1.2	1.2	1.5	1.2	0.8
Nontransport accidents (W00-X59, Y86)	18.7	19.4	23.6	21.8	24.1
Falls (W00-W19)	7.4	8.0	9.3	8.9	10.1
Drowning & submersion (W65-W74)	1.9	1.2	1.1	1.3	1.7
Exposure to smoke & fire (X00-X09)	1.0	1.0	1.1	0.8	0.9
Poisoning (X40-X49)	3.9	4.1	5.6	6.4	6.1
Suicide (X60-X84, Y87.0)	14.3	14.9	14.5	16.3	15.2
Firearm discharge (X72-X74)	8.6	8.1	8.2	9.1	8.2
Homicide (X85-Y09, Y87.1)	2.7	3.1	3.1	2.5	3.1
Firearm discharge (X93-X95)	1.8	1.4	1.8	1.4	1.8
Undeterm. intent (Y10-Y34, Y87.2, Y89.9)	1.8	2.2	3.0	2.7	2.5
Injury by firearms (Many codes) ¹⁰	10.8	10.2	10.6	10.9	10.5

* Age-adjusted rates are not calculated when fewer than 20 deaths were recorded, as the rate would be unreliable.

1. The rate is gender-specific.

2. Including meninges and other parts of the central nervous system.

3. Including immunoproliferative neoplasms.

4. Including acute rheumatic fever.

5. Including diseases of the arterioles and capillaries.

6. Including nephrotic syndrome, nephrosis, etc.

7. Includes ICD-10 codes: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

8. Includes ICD-10 codes: V02-V04(.1, .9), V09.2, V12-V14(.3-.9), V19.4-V19.6, V20-V28(.3-.9), V29.4-V29.9, V30-V39(.4-.9), V40-V49(.4-.9), V50-V59(.4-.9), V60-V69(.4-.9), V70-V79(.4-.9), V80.3-V80.5, V81.1, V82.1, V83-V86(.0-.3), V87.0-V87.8, V89.2.

9. Includes ICD-10 codes: V02-V04(.0), V09.0, V12-V14(.0-.2), V19.0-V19.2, V20-V28(.0-.2), V29(.0-.2), V30-V39(.0-.3), V40-V49(.0-.3), V50-V59(.0-.3), V60-V69(.0-.3), V70-V79(.0-.3), V81.0, V82.0, V83-V86(.5-.9), V88.0-V88.8, V89.0.

10. Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0.

Age-adjusted rates are per 100,000 population based on the US year 2000 standard; calculations use Portland State University Center for Population Research age and sex population estimates.

**TABLE 6-43m. Age-adjusted Death Rates for Selected Causes,
Oregon Resident Males, 2000-2004**

Cause of Death	2000	2001	2002	2003	2004
Total Males	986.3	993.6	1025.1	1002.3	980.4
Infectious & parasitic disease (A00-B99).....	15.3	16.3	18.8	17.8	18.6
Septicemia (A40-A41)	5.9	5.2	4.9	4.9	6.1
Viral hepatitis (B15-B19)	2.8	3.8	4.8	3.4	3.6
HIV disease (B20-B24)	3.2	3.3	4.4	4.7	3.2
Malignant neoplasms (C00-C97).....	238.5	241.8	239.9	238.4	238.4
Lip, oral cavity & pharynx (C00-C14)	4.0	4.3	3.8	3.4	3.5
Esophagus (C15)	8.7	10.3	8.6	8.9	10.1
Stomach (C16)	5.2	4.0	5.1	4.2	4.1
Colon, rectum & anus (C18-C21).....	20.7	25.2	23.6	20.8	21.5
Liver & intrahepatic bile duct (C22)	5.9	4.8	5.6	6.7	6.9
Pancreas (C25)	12.3	12.9	12.9	13.0	12.3
Trachea, bronchus & lung (C33-C34).....	73.2	68.0	68.2	70.6	69.3
Melanoma of skin (C43)	3.9	5.1	4.9	5.0	4.6
Breast (C50)	0.2	0.5	0.1	0.1	0.2
Cervix uteri (C53) ¹	*	*	*	*	*
Corpus uteri (C54-C55) ¹	*	*	*	*	*
Ovary (C56) ¹	*	*	*	*	*
Prostate (C61) ¹	30.4	31.2	31.1	29.4	28.1
Kidney & renal pelvis (C64-C65).....	6.1	6.0	6.3	5.8	6.4
Bladder (C67)	8.3	9.6	9.1	9.0	9.2
Brain, etc. (C70-C72) ²	6.5	6.7	7.2	6.8	6.8
Lymphoid & hematopoietic (C81-C96)	26.1	27.2	27.5	28.0	27.1
Non-Hodgkin's lymphoma (C82-C85)	10.6	11.1	10.1	11.2	11.8
Leukemia (C91-C95).....	9.9	10.1	10.8	9.9	10.0
Multiple myeloma (C88, C90) ³	5.1	5.6	6.0	6.4	4.9
Anemias (D50-D64).....	1.8	1.4	1.3	1.3	1.8
Diabetes mellitus (E10-E14).....	27.2	31.8	33.2	33.4	34.7
Parkinson's disease (G20-G21).....	12.4	11.8	12.3	12.0	13.3
Alzheimer's disease (G30)	19.9	24.3	25.0	25.8	30.8
Major cardiovascular diseases (I00-I78).....	353.6	350.4	363.4	343.1	321.9
Heart disease (I00-I09, I11, I13, I20-I51)	256.4	250.7	260.3	248.4	230.3
Rheumatic heart disease (I00-I09) ⁴	1.4	*	*	*	1.5
Hypertensive heart disease (I11).....	3.5	5.1	5.3	3.9	4.2
Hypertensive heart & renal dis. (I13).....	*	*	*	*	*
Ischemic heart diseases (I20-I25).....	185.9	182.9	187.8	176.3	162.7
Myocardial infarction (I21-I22).....	66.8	65.8	64.2	59.2	52.9
Chronic ischemic heart dis. (I20, I25).....	118.5	116.6	123.0	116.8	109.6
Atherosclerotic cardiovascular dis. (I25.0)	15.4	15.6	16.4	12.0	10.9
Other chr. isch. hrt. dis. (I20, I25.1-I25.9)	103.1	101.1	106.5	104.8	98.7
Heart failure (I50)	23.9	21.5	23.7	21.7	21.3
Hypertension & hyp. renal dis. (I10, I12)	4.8	7.1	9.3	8.4	9.7
Cerebrovascular disease (I60-I69)	70.9	74.4	73.1	68.0	65.4
Atherosclerosis (I70)	7.3	5.3	6.9	6.3	5.2
Aortic aneurysm & dissection (I71)	10.4	9.2	8.9	8.2	6.8
Diseases of arteries (I72-I78) ⁵	3.7	3.7	4.8	3.8	4.5
Influenza & pneumonia (J10-J18).....	19.2	18.4	20.6	20.1	18.2
Pneumonia (J12-J18).....	18.8	18.4	20.3	19.7	18.1

**TABLE 6-43m. Age-adjusted Death Rates for Selected Causes,
Oregon Resident Males, 2000-2004, Continued**

Cause of Death	2000	2001	2002	2003	2004
Chronic lower respiratory disease (J40-J47)	58.2	56.3	64.7	59.7	59.1
Emphysema (J43)	9.8	9.2	8.8	9.4	7.8
Asthma (J45-J46)	1.5	*	*	1.2	1.3
Other CLRD (J44, J47)	46.7	45.9	54.3	48.6	49.7
Pneumonitis from solids & liquids (J69)	5.5	6.3	7.1	5.6	7.0
Peptic ulcer (K25-K28)	1.8	2.4	1.4	1.5	1.7
Chronic liver disease & cirrhosis (K70, K73-K74)	12.4	13.5	13.4	13.7	13.3
Alcoholic liver disease (K70)	10.7	11.3	11.2	11.6	10.6
Cholelithiasis & other gallbladder dis. (K80-K82)	1.1	1.7	*	1.6	2.0
Nephritis (N00-N07, N17-N19, N25-N27) ⁶	10.6	10.9	9.4	10.8	10.7
Renal failure (N17-N19)	10.4	10.4	8.6	10.2	10.3
Perinatal conditions (P00-P96)	3.5	3.7	3.4	3.9	3.9
Congenital malformation (Q00-Q99)	4.6	4.2	4.8	3.1	4.8
Symptoms & signs NEC (R00-R99)	31.5	19.8	17.4	16.9	12.2
Accidents (V01-X59, Y85-Y86)	46.5	50.5	51.5	51.5	50.1
Transport accidents (V01-V99, Y85)	21.8	22.9	21.2	22.6	20.1
Motor vehicle acc. (Many codes) ⁷	19.2	20.4	17.9	19.7	18.2
Motor vehicle traffic acc. (Many codes) ⁸	17.9	19.2	17.1	19.4	17.3
Motor vehicle nontraffic acc. (Many codes) ⁹	1.2	1.2	0.8	0.4	0.9
Water & air, etc. (V90-V99, Y85)	1.8	2.1	2.6	1.9	1.3
Nontransport accidents (W00-X59, Y86)	24.7	27.6	30.3	28.9	30.0
Falls (W00-W19)	8.8	10.9	11.1	11.4	11.3
Drowning & submersion (W65-W74)	3.0	1.9	1.4	2.0	2.4
Exposure to smoke & fire (X00-X09)	1.2	1.3	1.6	0.9	1.2
Poisoning (X40-X49)	5.6	5.6	6.9	8.0	7.3
Suicide (X60-X84, Y87.0)	23.4	24.4	25.4	27.8	23.9
Firearm discharge (X72-X74)	15.6	14.7	15.5	17.2	15.2
Homicide (X85-Y09, Y87.1)	4.3	4.1	3.7	3.5	4.8
Firearm discharge (X93-X95)	2.9	1.9	2.5	2.3	2.9
Undeterm. intent (Y10-Y34, Y87.2, Y89.9)	2.1	2.4	3.6	3.4	3.0
Injury by firearms (Many codes) ¹⁰	19.1	17.8	19.0	20.2	19.1

* Age-adjusted rates are not calculated when fewer than 20 deaths were recorded, as the rate would be unreliable.

1. The rate is gender-specific.

2. Including meninges and other parts of the central nervous system.

3. Including immunoproliferative neoplasms.

4. Including acute rheumatic fever.

5. Including diseases of the arterioles and capillaries.

6. Including nephrotic syndrome, nephrosis, etc.

7. Includes ICD-10 codes: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

8. Includes ICD-10 codes: V02-V04(.1, .9), V09.2, V12-V14(.3-.9), V19.4-V19.6, V20-V28(.3-.9), V29.4-V29.9, V30-V39(.4-.9), V40-V49(.4-.9), V50-V59(.4-.9), V60-V69(.4-.9), V70-V79(.4-.9), V80.3-V80.5, V81.1, V82.1, V83-V86(.0-.3), V87.0-V87.8, V89.2.

9. Includes ICD-10 codes: V02-V04(.0), V09.0, V12-V14(.0-.2), V19.0-V19.2, V20-V28(.0-.2), V29(.0-.2), V30-V39(.0-.3), V40-V49(.0-.3), V50-V59(.0-.3), V60-V69(.0-.3), V70-V79(.0-.3), V81.0, V82.0, V83-V86(.5-.9), V88.0-V88.8, V89.0.

10. Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0.

Age-adjusted rates are per 100,000 population based on the US year 2000 standard; calculations use Portland State University Center for Population Research age and sex population estimates.

**TABLE 6-43f. Age-adjusted Death Rates for Selected Causes,
Oregon Resident Females, 2000-2004**

Cause of Death	2000	2001	2002	2003	2004
Total Females	704.7	718.5	728.5	712.7	694.5
Infectious & parasitic disease (A00-B99).....	9.8	9.6	10.4	11.1	11.3
Septicemia (A40-A41)	4.9	5.0	4.2	4.7	4.7
Viral hepatitis (B15-B19)	1.6	1.4	2.2	1.8	2.1
HIV disease (B20-B24)	*	*	*	*	*
Malignant neoplasms (C00-C97).....	171.0	171.3	175.6	171.7	169.6
Lip, oral cavity & pharynx (C00-C14)	1.4	2.4	1.9	1.8	1.7
Esophagus (C15)	1.7	2.1	2.3	1.6	2.1
Stomach (C16)	2.5	2.0	2.4	2.6	2.8
Colon, rectum & anus (C18-C21).....	15.2	15.8	14.5	17.2	14.8
Liver & intrahepatic bile duct (C22)	2.9	2.5	2.8	3.1	2.8
Pancreas (C25)	8.4	9.9	9.7	8.4	11.0
Trachea, bronchus & lung (C33-C34).....	49.6	47.4	49.9	47.7	48.0
Melanoma of skin (C43)	2.3	1.8	2.4	2.1	2.3
Breast (C50)	24.7	26.7	25.2	26.9	25.0
Cervix uteri (C53) ¹	2.0	2.7	2.4	2.2	1.5
Corpus uteri (C54-C55) ¹	4.3	4.1	3.9	3.8	3.7
Ovary (C56) ¹	10.3	10.0	10.5	9.1	11.7
Prostate (C61) ¹	*	*	*	*	*
Kidney & renal pelvis (C64-C65).....	3.1	2.2	3.1	2.5	2.7
Bladder (C67)	2.2	2.2	3.1	2.6	2.5
Brain, etc. (C70-C72) ²	4.7	4.5	5.0	4.2	4.6
Lymphoid & hematopoietic (C81-C96)	16.2	17.4	17.3	16.5	15.0
Non-Hodgkin's lymphoma (C82-C85)	7.0	8.3	7.0	7.1	6.3
Leukemia (C91-C95).....	5.7	6.1	5.5	5.7	5.3
Multiple myeloma (C88, C90) ³	2.9	2.7	4.3	3.2	3.3
Anemias (D50-D64).....	1.3	1.4	1.5	1.9	1.5
Diabetes mellitus (E10-E14).....	21.4	26.8	25.2	24.3	24.8
Parkinson's disease (G20-G21).....	4.9	5.8	5.8	6.1	5.7
Alzheimer's disease (G30)	27.4	30.2	33.3	32.7	34.7
Major cardiovascular diseases (I00-I78).....	244.1	245.8	245.6	233.4	223.2
Heart disease (I00-I09, I11, I13, I20-I51)	153.2	154.0	153.1	145.4	142.9
Rheumatic heart disease (I00-I09) ⁴	2.1	2.4	1.4	1.9	1.8
Hypertensive heart disease (I11).....	5.8	6.4	5.6	6.3	5.3
Hypertensive heart & renal dis. (I13).....	*	*	*	0.9	0.9
Ischemic heart diseases (I20-I25).....	92.5	92.6	91.6	85.4	80.9
Myocardial infarction (I21-I22).....	36.8	33.9	35.3	34.1	29.8
Chronic ischemic heart dis. (I20, I25).....	55.6	58.6	55.8	51.0	50.9
Atherosclerotic cardiovascular dis. (I25.0)	8.8	8.4	8.1	7.1	7.0
Other chr. isch. hrt. dis. (I20, I25.1-I25.9)	46.8	50.2	47.7	44.0	43.9
Heart failure (I50)	21.4	21.3	20.0	19.5	18.5
Hypertension & hyp. renal dis. (I10, I12)	6.9	9.2	9.7	9.4	9.3
Cerebrovascular disease (I60-I69)	70.2	69.1	70.4	67.8	59.3
Atherosclerosis (I70)	5.8	5.2	4.8	5.0	4.3
Aortic aneurysm & dissection (I71)	3.7	4.4	3.1	3.1	4.3
Diseases of arteries (I72-I78) ⁵	4.3	3.8	4.5	2.7	3.3
Influenza & pneumonia (J10-J18).....	16.4	14.3	16.3	15.2	12.8
Pneumonia (J12-J18).....	15.6	14.3	16.0	14.7	12.8

**TABLE 6-43f. Age-adjusted Death Rates for Selected Causes,
Oregon Resident Females, 2000-2004, Continued**

Cause of Death	2000	2001	2002	2003	2004
Chronic lower respiratory disease (J40-J47)	41.9	44.6	42.5	44.3	41.6
Emphysema (J43)	7.6	6.6	7.0	7.1	5.6
Asthma (J45-J46)	1.8	2.4	2.3	1.7	1.3
Other CLRD (J44, J47)	31.7	35.2	33.0	35.4	34.4
Pneumonitis from solids & liquids (J69)	3.0	3.1	4.0	3.7	3.3
Peptic ulcer (K25-K28)	1.4	1.4	2.0	1.2	1.7
Chronic liver disease & cirrhosis (K70, K73-K74)	5.4	6.2	7.3	7.2	8.1
Alcoholic liver disease (K70)	3.4	4.4	4.8	5.4	6.0
Cholelithiasis & other gallbladder dis. (K80-K82)	1.0	0.9	1.1	1.0	1.3
Nephritis (N00-N07, N17-N19, N25-N27) ⁶	6.8	6.1	6.1	6.4	7.1
Renal failure (N17-N19)	6.7	5.8	5.9	5.9	6.8
Perinatal conditions (P00-P96)	2.8	3.1	3.9	3.0	2.9
Congenital malformation (Q00-Q99)	3.1	3.6	4.0	4.1	3.1
Symptoms & signs NEC (R00-R99)	25.8	17.1	13.0	14.1	10.1
Accidents (V01-X59, Y85-Y86)	23.2	22.2	26.4	26.6	28.8
Transport accidents (V01-V99, Y85)	10.3	9.4	8.7	10.9	9.6
Motor vehicle acc. (Many codes) ⁷	9.3	9.2	8.2	10.2	9.0
Motor vehicle traffic acc. (Many codes) ⁸	9.0	8.9	7.9	9.9	8.6
Motor vehicle nontraffic acc. (Many codes) ⁹	0.3	0.2	0.3	0.2	0.4
Water & air, etc. (V90-V99, Y85)	*	*	*	*	0.4
Nontransport accidents (W00-X59, Y86)	12.9	12.8	17.7	15.8	19.1
Falls (W00-W19)	6.1	6.0	7.8	7.2	9.4
Drowning & submersion (W65-W74)	*	*	*	*	1.0
Exposure to smoke & fire (X00-X09)	*	*	*	*	0.7
Poisoning (X40-X49)	2.2	2.6	4.2	4.7	4.9
Suicide (X60-X84, Y87.0)	6.4	6.2	4.7	6.0	7.6
Firearm discharge (X72-X74)	2.8	2.3	1.8	2.0	2.2
Homicide (X85-Y09, Y87.1)	*	2.1	2.4	1.5	1.4
Firearm discharge (X93-X95)	*	0.9	1.2	*	*
Undeterm. intent (Y10-Y34, Y87.2, Y89.9)	1.6	1.9	2.4	1.9	2.0
Injury by firearms (Many codes) ¹⁰	3.7	3.3	3.1	2.5	2.8

* Age-adjusted rates are not calculated when fewer than 20 deaths were recorded, as the rate would be unreliable.

1. The rate is gender-specific.

2. Including meninges and other parts of the central nervous system.

3. Including immunoproliferative neoplasms.

4. Including acute rheumatic fever.

5. Including diseases of the arterioles and capillaries.

6. Including nephrotic syndrome, nephrosis, etc.

7. Includes ICD-10 codes: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

8. Includes ICD-10 codes: V02-V04(.1, .9), V09.2, V12-V14(.3-.9), V19.4-V19.6, V20-V28(.3-.9), V29.4-V29.9, V30-V39(.4-.9), V40-V49(.4-.9), V50-V59(.4-.9), V60-V69(.4-.9), V70-V79(.4-.9), V80.3-V80.5, V81.1, V82.1, V83-V86(.0-.3), V87.0-V87.8, V89.2.

9. Includes ICD-10 codes: V02-V04(.0), V09.0, V12-V14(.0-.2), V19.0-V19.2, V20-V28(.0-.2), V29(.0-.2), V30-V39(.0-.3), V40-V49(.0-.3), V50-V59(.0-.3), V60-V69(.0-.3), V70-V79(.0-.3), V81.0, V82.0, V83-V86(.5-.9), V88.0-V88.8, V89.0.

10. Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0.

Age-adjusted rates are per 100,000 population based on the US year 2000 standard; calculations use Portland State University Center for Population Research age and sex population estimates.

**Table 6-44t. Age-adjusted Death Rates for Selected Causes by
County/geographic Region, Oregon Residents, 2002-2004**

Cause of Death	State	Clackamas	Deschutes	Douglas	Jackson
Total Both Genders.....	835.9	818.9	769.5	929.1	833.6
Infectious & parasitic disease (A00-B99).....	14.5	12.0	8.0	20.1	14.2
Septicemia (A40-A41).....	4.8	6.0	*	7.4	3.5
Malignant neoplasms (C00-C97).....	198.6	191.9	176.2	217.8	199.0
Esophagus (C15).....	5.2	5.3	5.9	*	4.4
Colon, rectum & anus (C18-C21).....	18.2	17.4	15.9	20.5	19.4
Pancreas (C25).....	11.1	8.7	12.4	13.8	11.1
Trachea, bronchus & lung (C33-C34).....	57.2	52.9	53.1	62.6	58.1
Breast (C50).....	14.3	14.4	13.5	15.5	13.9
Cervical or uterine (C53-C55)†.....	2.1	*	*	*	*
Ovary (C61)†.....	10.5	12.5	*	12.7	11.0
Prostate (C61)†.....	29.6	29.9	27.3	33.5	28.9
Brain, etc. (C70-C72).....	5.7	6.4	*	*	5.6
Lymphoid & hematopoietic (C81-C96).....	20.9	21.2	18.1	23.1	19.4
Non-Hodgkin's lymphoma (C82-C85).....	8.6	8.8	6.6	8.8	7.5
Leukemia (C91-C95).....	7.4	6.8	7.0	7.7	7.0
Diabetes mellitus (E10-E14).....	28.6	26.1	21.9	34.1	25.7
Parkinson's disease (G20-G21).....	8.4	10.2	6.8	7.2	9.4
Alzheimer's disease (G30).....	31.4	33.4	29.3	32.0	47.6
Major cardiovascular diseases (I00-I78).....	280.1	286.9	265.6	295.7	269.8
Heart disease (I00-I09, I11, I13, I20-I51).....	188.8	192.6	181.4	203.4	178.7
Hypertensive heart disease (I11).....	5.4	5.6	*	5.4	4.4
Ischemic heart diseases (I20-I25).....	123.4	124.5	121.1	140.7	119.0
Myocardial infarction (I21-I22).....	43.9	42.9	42.5	46.1	31.4
Chronic ischemic heart disease (I20, I25).....	79.1	80.8	77.8	94.6	87.6
Atherosclerotic cardiovascular dis. (I25.0).....	9.8	7.8	19.0	12.9	8.9
Heart failure (I50).....	20.4	24.4	20.9	20.5	21.1
Cerebrovascular disease (I60-I69).....	67.4	72.0	63.3	63.2	68.4
Arteriosclerosis (I70).....	5.3	5.3	5.8	5.1	2.8
Aortic aneurysm & dissection (I71).....	5.4	5.1	*	8.3	6.5
Influenza & pneumonia (J10-J18).....	16.5	16.8	11.5	21.4	14.4
Chronic lower respiratory disease (J40-J47).....	49.6	47.7	45.5	63.2	52.0
Emphysema (J43).....	7.3	8.6	9.0	5.0	6.4
Other CLRD (J44, J47).....	40.4	37.3	36.0	56.2	43.5
Chronic liver disease (K70, K73-K74).....	10.3	8.7	7.3	11.6	12.4
Alcoholic liver disease (K70).....	8.1	6.9	6.4	9.2	10.0
Symptoms & signs NEC (R00-R99).....	13.9	12.4	6.5	16.4	15.4
Accidents (V01-X59, Y85-Y86).....	38.5	32.8	39.7	57.7	42.7
Transport accidents (V01-V99, Y85).....	15.3	11.8	20.2	29.1	17.6
Motor vehicle accidents (Many codes)**.....	13.7	10.5	18.9	25.3	16.3
Nontransport accidents (W00-X59, Y86).....	23.2	20.9	19.5	28.6	25.1
Falls (W00-W19).....	9.5	10.0	9.5	7.6	10.5
Poisonings & overdoses (X40-X49).....	6.0	4.2	*	8.6	7.9
Suicide (X60-X84, Y87.0).....	15.3	14.0	16.9	15.1	22.2
Homicide (X85-Y09, Y87.1).....	2.9	2.2	*	*	*
Injury by firearms (Many codes)***.....	10.7	8.9	12.5	11.7	15.6

† The rate is gender-specific.

* Indicates number of deaths less than 20; rate would be unreliable.

** Includes ICD-10 codes V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-87.8, V88.0-V88.8, V89.0, V89.2.

***Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0.

**Table 6-44t. Age-adjusted Death Rates for Selected Causes by
County/geographic Region, Oregon Residents, 2002-2004**

Cause of Death	Josephine	Lane	Linn	Marion	Multnomah
Total Both Genders.....	915.1	826.8	849.8	852.1	880.3
Infectious & parasitic disease (A00-B99).....	14.7	11.8	16.1	15.6	20.9
Septicemia (A40-A41).....	*	4.2	6.8	5.0	5.5
Malignant neoplasms (C00-C97).....	227.2	200.1	217.3	205.2	208.0
Esophagus (C15).....	*	5.9	5.6	5.5	5.2
Colon, rectum & anus (C18-C21).....	17.5	16.0	20.2	23.8	18.5
Pancreas (C25).....	10.3	12.3	13.9	10.4	11.6
Trachea, bronchus & lung (C33-C34).....	74.7	60.2	62.3	57.8	59.9
Breast (C50).....	16.7	14.7	14.1	15.2	14.5
Cervical or uterine (C53-C55)†.....	*	*	*	*	*
Ovary (C61)†.....	10.3	12.0	15.8	11.7	10.7
Prostate (C61)†.....	42.6	25.4	30.0	30.1	31.9
Brain, etc. (C70-C72).....	*	6.4	6.1	5.1	6.0
Lymphoid & hematopoietic (C81-C96).....	22.1	21.6	23.0	21.9	21.5
Non-Hodgkin's lymphoma (C82-C85).....	10.1	8.3	9.7	9.2	8.3
Leukemia (C91-C95).....	5.9	8.5	8.3	7.5	8.1
Diabetes mellitus (E10-E14).....	22.1	30.7	28.0	34.4	30.0
Parkinson's disease (G20-G21).....	8.2	9.4	7.1	9.7	8.3
Alzheimer's disease (G30).....	21.3	31.7	25.9	23.5	32.0
Major cardiovascular diseases (I00-I78).....	310.6	265.6	286.9	288.7	293.9
Heart disease (I00-I09, I11, I13, I20-I51).....	225.9	176.1	193.7	187.0	195.2
Hypertensive heart disease (I11).....	*	6.2	5.7	5.2	5.5
Ischemic heart diseases (I20-I25).....	153.2	104.9	133.5	122.9	123.3
Myocardial infarction (I21-I22).....	46.1	35.9	64.0	48.1	41.0
Chronic ischemic heart disease (I20, I25).....	107.1	68.3	69.2	74.7	82.1
Atherosclerotic cardiovascular dis. (I25.0).....	19.7	5.4	10.1	14.5	6.6
Heart failure (I50).....	24.9	21.7	14.7	17.1	22.1
Cerebrovascular disease (I60-I69).....	64.3	65.1	72.0	75.7	74.0
Arteriosclerosis (I70).....	*	5.2	*	3.0	5.6
Aortic aneurysm & dissection (I71).....	*	4.5	5.4	7.4	5.0
Influenza & pneumonia (J10-J18).....	15.9	13.7	15.9	18.3	15.2
Chronic lower respiratory disease (J40-J47).....	52.8	52.5	43.6	50.7	48.0
Emphysema (J43).....	6.0	11.3	*	8.2	6.7
Other CLRD (J44, J47).....	45.7	39.3	37.0	39.6	39.5
Chronic liver disease (K70, K73-K74).....	14.0	10.1	12.1	9.7	11.2
Alcoholic liver disease (K70).....	11.5	7.7	9.1	7.4	9.2
Symptoms & signs NEC (R00-R99).....	18.9	16.1	13.6	11.6	15.1
Accidents (V01-X59, Y85-Y86).....	56.6	35.4	45.6	36.0	38.4
Transport accidents (V01-V99, Y85).....	25.7	13.9	20.1	17.4	10.6
Motor vehicle accidents (Many codes).....	23.1	11.3	19.5	15.5	9.2
Nontransport accidents (W00-X59, Y86).....	31.0	21.5	25.6	18.6	27.8
Falls (W00-W19).....	11.4	8.2	7.6	7.3	11.2
Poisonings & overdoses (X40-X49).....	*	6.4	*	4.8	10.0
Suicide (X60-X84, Y87.0).....	17.7	15.5	15.8	15.0	14.0
Homicide (X85-Y09, Y87.1).....	*	2.4	*	3.9	3.9
Injury by firearms (Many codes).....	16.1	10.3	10.3	11.9	8.8

† The rate is gender-specific.

* Indicates number of deaths less than 20; rate would be unreliable.

** Includes ICD-10 codes V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-87.8, V88.0-V88.8, V89.0, V89.2.

***Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0.

**Table 6-44t. Age-adjusted Death Rates for Selected Causes by
County/geographic Region, Oregon Residents, 2002-2004**

Cause of Death	Washington	Yamhill	North Coast: Clatsop, Columbia, Tillamook, Lincoln	South Coast: Coos, Curry
Total Both Genders.....	758.6	838.0	871.9	930.4
Infectious & parasitic disease (A00-B99).....	11.0	13.3	12.3	18.8
Septicemia (A40-A41).....	3.3	*	3.8	5.4
Malignant neoplasms (C00-C97).....	182.7	205.7	204.3	224.5
Esophagus (C15).....	4.8	*	6.5	6.3
Colon, rectum & anus (C18-C21).....	15.3	15.7	19.5	18.4
Pancreas (C25).....	11.9	12.4	10.5	11.5
Trachea, bronchus & lung (C33-C34).....	46.3	59.1	59.5	77.9
Breast (C50).....	15.9	15.8	15.9	9.6
Cervical or uterine (C53-C55)†.....	*	*	3.5	1.9
Ovary (C61)†.....	6.8	*	8.6	8.4
Prostate (C61)†.....	28.2	30.6	24.2	31.4
Brain, etc. (C70-C72).....	6.2	*	6.5	4.0
Lymphoid & hematopoietic (C81-C96).....	21.4	22.2	19.0	20.5
Non-Hodgkin's lymphoma (C82-C85).....	8.9	10.6	8.0	7.9
Leukemia (C91-C95).....	7.8	*	5.8	8.9
Diabetes mellitus (E10-E14).....	26.2	32.3	26.8	29.7
Parkinson's disease (G20-G21).....	8.9	9.9	7.6	6.9
Alzheimer's disease (G30).....	36.5	31.8	28.8	31.2
Major cardiovascular diseases (I00-I78).....	258.3	282.1	294.0	308.4
Heart disease (I00-I09, I11, I13, I20-I51).....	171.4	195.5	198.7	220.3
Hypertensive heart disease (I11).....	5.4	*	6.5	6.1
Ischemic heart diseases (I20-I25).....	109.7	125.8	136.5	166.8
Myocardial infarction (I21-I22).....	41.5	39.1	54.4	57.0
Chronic ischemic heart disease (I20, I25).....	67.8	86.3	82.2	108.9
Atherosclerotic cardiovascular dis. (I25.0).....	5.4	*	7.0	17.0
Heart failure (I50).....	19.0	15.6	16.8	13.9
Cerebrovascular disease (I60-I69).....	64.8	69.6	69.7	62.0
Arteriosclerosis (I70).....	5.6	*	6.5	6.5
Aortic aneurysm & dissection (I71).....	5.9	*	6.1	6.3
Influenza & pneumonia (J10-J18).....	14.7	20.1	24.3	15.3
Chronic lower respiratory disease (J40-J47).....	37.7	44.6	54.6	53.3
Emphysema (J43).....	5.5	*	8.5	4.6
Other CLRD (J44, J47).....	30.9	35.6	44.4	46.5
Chronic liver disease (K70, K73-K74).....	7.3	7.9	13.9	12.7
Alcoholic liver disease (K70).....	5.3	*	10.7	9.6
Symptoms & signs NEC (R00-R99).....	10.7	*	15.8	12.7
Accidents (V01-X59, Y85-Y86).....	28.7	36.8	48.9	50.1
Transport accidents (V01-V99, Y85).....	8.8	16.1	19.8	24.1
Motor vehicle accidents (Many codes)**.....	8.4	15.0	17.0	21.8
Nontransport accidents (W00-X59, Y86).....	19.8	20.7	29.1	26.0
Falls (W00-W19).....	10.6	8.7	12.4	6.7
Poisonings & overdoses (X40-X49).....	3.4	*	7.9	*
Suicide (X60-X84, Y87.0).....	12.2	14.4	19.2	25.9
Homicide (X85-Y09, Y87.1).....	1.4	*	*	*
Injury by firearms (Many codes)***.....	8.6	8.8	10.4	16.8

† The rate is gender-specific.

* Indicates number of deaths less than 20; rate would be unreliable.

** Includes ICD-10 codes V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-87.8, V88.0-V88.8, V89.0, V89.2.

***Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0

**Table 6-44t. Age-adjusted Death Rates for Selected Causes by
County/geographic Region, Oregon Residents, 2002-2004**

Cause of Death	Mid Valley: Benton, Polk	North Central: Gilliam, Hood River, Wasco, Sherman, Wheeler, Jefferson	South Central: Klamath, Lake	Eastern Oregon: Baker, Grant, Harney, Malheur, Morrow, Umatilla, Union, Wallowa
Total Both Genders.....	700.0	883.1	948.8	814.1
Infectious & parasitic disease (A00-B99).....	11.5	14.7	16.0	13.0
Septicemia (A40-A41).....	*	*	*	5.1
Malignant neoplasms (C00-C97).....	167.9	195.8	207.2	178.9
Esophagus (C15).....	*	*	*	3.8
Colon, rectum & anus (C18-C21).....	15.8	15.9	19.7	19.1
Pancreas (C25).....	8.5	14.3	10.3	9.2
Trachea, bronchus & lung (C33-C34).....	45.0	56.2	56.7	51.6
Breast (C50).....	13.9	14.9	14.4	11.4
Cervical or uterine (C53-C55)†.....	*	*	*	*
Ovary (C61)†.....	9.0	*	*	9.3
Prostate (C61)†.....	24.6	*	32.2	32.1
Brain, etc. (C70-C72).....	6.9	*	*	4.8
Lymphoid & hematopoietic (C81-C96).....	18.7	24.4	23.2	18.6
Non-Hodgkin's lymphoma (C82-C85).....	9.8	12.4	10.8	6.8
Leukemia (C91-C95).....	5.7	*	*	7.6
Diabetes mellitus (E10-E14).....	26.3	33.8	35.9	28.2
Parkinson's disease (G20-G21).....	6.9	9.3	*	6.2
Alzheimer's disease (G30).....	24.8	34.3	38.7	26.0
Major cardiovascular diseases (I00-I78).....	244.0	283.1	288.7	262.8
Heart disease (I00-I09, I11, I13, I20-I51).....	157.1	194.3	213.0	189.9
Hypertensive heart disease (I11).....	4.4	*	*	6.5
Ischemic heart diseases (I20-I25).....	104.4	123.5	140.8	122.4
Myocardial infarction (I21-I22).....	43.3	53.1	63.6	45.7
Chronic ischemic heart disease (I20, I25).....	61.1	70.5	76.7	75.8
Atherosclerotic cardiovascular dis. (I25.0).....	6.5	8.1	18.3	15.9
Heart failure (I50).....	15.8	28.4	24.1	22.9
Cerebrovascular disease (I60-I69).....	63.9	66.2	50.0	54.4
Arteriosclerosis (I70).....	4.9	*	*	3.2
Aortic aneurysm & dissection (I71).....	*	*	*	4.6
Influenza & pneumonia (J10-J18).....	17.9	18.1	24.5	19.6
Chronic lower respiratory disease (J40-J47).....	34.7	68.5	69.5	54.2
Emphysema (J43).....	*	*	13.4	9.2
Other CLRD (J44, J47).....	30.3	62.4	53.6	42.9
Chronic liver disease (K70, K73-K74).....	8.5	14.9	15.0	9.9
Alcoholic liver disease (K70).....	7.2	13.5	13.0	7.3
Symptoms & signs NEC (R00-R99).....	9.2	20.4	20.4	20.8
Accidents (V01-X59, Y85-Y86).....	34.9	57.5	51.6	40.3
Transport accidents (V01-V99, Y85).....	14.9	28.5	30.6	18.6
Motor vehicle accidents (Many codes)**.....	13.3	25.6	29.4	16.8
Nontransport accidents (W00-X59, Y86).....	20.1	29.0	21.0	21.7
Falls (W00-W19).....	8.1	9.8	*	9.7
Poisonings & overdoses (X40-X49).....	*	*	*	3.9
Suicide (X60-X84, Y87.0).....	11.5	10.3	18.5	17.7
Homicide (X85-Y09, Y87.1).....	*	*	*	5.1
Injury by firearms (Many codes)***.....	6.6	10.0	14.5	14.6

† The rate is gender-specific.

* Indicates number of deaths less than 20; rate would be unreliable.

** Includes ICD-10 codes V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-87.8, V88.0-V88.8, V89.0, V89.2.

***Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0

Table 6-44m. Age-adjusted Death Rates for Selected Causes by County/geographic Region, Oregon Resident Males, 2002-2004

Cause of Death	State	Clackamas	Deschutes	Douglas	Jackson
Total Males	1002.5	953.5	938.1	1166.9	1014.1
Infectious & parasitic disease (A00-B99).....	18.4	14.5	*	22.1	18.8
Septicemia (A40-A41).....	5.3	6.5	*	*	*
Malignant neoplasms (C00-C97).....	238.9	230.0	206.7	271.8	243.2
Esophagus (C15).....	9.2	9.4	11.3	*	9.0
Colon, rectum & anus (C18-C21).....	21.9	21.4	19.9	22.8	24.7
Pancreas (C25).....	12.7	10.3	14.1	15.4	13.4
Trachea, bronchus & lung (C33-C34).....	69.4	62.0	60.6	79.7	74.0
Breast (C50).....	*	*	*	*	*
Cervical or uterine (C53-C55).....	*	*	*	*	*
Ovary (C61).....	*	*	*	*	*
Prostate (C61).....	29.6	29.9	27.3	33.5	28.9
Brain, etc. (C70-C72).....	6.9	8.1	*	*	*
Lymphoid & hematopoietic (C81-C96).....	27.5	27.4	20.6	31.4	26.7
Non-Hodgkin's lymphoma (C82-C85).....	11.0	9.5	*	*	9.8
Leukemia (C91-C95).....	10.3	10.0	*	*	9.1
Diabetes mellitus (E10-E14).....	33.8	32.8	19.8	48.8	27.8
Parkinson's disease (G20-G21).....	12.6	15.9	*	*	16.3
Alzheimer's disease (G30).....	27.2	27.3	24.4	39.3	35.4
Major cardiovascular diseases (I00-I78).....	342.6	343.0	349.0	365.9	339.9
Heart disease (I00-I09, I11, I13, I20-I51).....	246.2	240.7	256.5	262.1	240.6
Hypertensive heart disease (I11).....	4.4	5.1	*	*	*
Ischemic heart diseases (I20-I25).....	175.5	169.5	183.1	197.1	171.5
Myocardial infarction (I21-I22).....	58.7	56.0	61.8	59.9	41.4
Chronic ischemic heart disease (I20, I25).....	116.4	113.1	120.7	137.1	130.1
Atherosclerotic cardiovascular dis. (I25.0).....	13.1	11.4	21.9	14.9	11.5
Heart failure (I50).....	22.2	24.5	31.2	15.8	24.4
Cerebrovascular disease (I60-I69).....	68.8	75.2	66.8	66.5	71.5
Arteriosclerosis (I70).....	6.1	6.6	*	*	*
Aortic aneurysm & dissection (I71).....	8.0	8.7	*	14.8	11.0
Influenza & pneumonia (J10-J18).....	19.6	17.9	19.4	28.3	18.7
Chronic lower respiratory disease (J40-J47).....	61.1	55.0	56.0	79.8	61.6
Emphysema (J43).....	8.7	10.0	*	*	8.6
Other CLRD (J44, J47).....	50.9	43.3	43.9	69.9	51.8
Chronic liver disease (K70, K73-K74).....	13.5	10.4	10.6	14.2	17.2
Alcoholic liver disease (K70).....	11.1	8.9	10.0	11.2	14.3
Symptoms & signs NEC (R00-R99).....	15.5	11.3	*	17.7	16.1
Accidents (V01-X59, Y85-Y86).....	51.0	41.5	50.9	81.3	59.4
Transport accidents (V01-V99, Y85).....	21.3	15.5	25.9	45.4	26.3
Motor vehicle accidents (Many codes)**.....	18.6	13.5	23.8	39.6	23.9
Nontransport accidents (W00-X59, Y86).....	29.7	26.0	25.1	35.9	33.1
Falls (W00-W19).....	11.3	11.2	*	*	13.5
Poisonings & overdoses (X40-X49).....	7.4	5.0	*	*	9.7
Suicide (X60-X84, Y87.0).....	25.7	24.6	29.5	24.7	38.3
Homicide (X85-Y09, Y87.1).....	4.0	*	*	*	*
Injury by firearms (Many codes)***.....	19.5	16.0	23.3	22.4	28.4

* Indicates number of deaths less than 20; rate would be unreliable.

** Includes ICD-10 codes V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-87.8, V88.0-V88.8, V89.0, V89.2.

***Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0.

Table 6-44m. Age-adjusted Death Rates for Selected Causes by County/geographic Region, Oregon Resident Males, 2002-2004

Cause of Death	Josephine	Lane	Linn	Marion	Multnomah
Total Males	1178.5	1006.0	1039.1	997.1	1024.4
Infectious & parasitic disease (A00-B99).....	20.0	14.3	23.9	16.9	28.2
Septicemia (A40-A41).....	*	*	*	5.5	6.1
Malignant neoplasms (C00-C97).....	293.1	235.9	252.8	244.0	244.6
Esophagus (C15).....	*	10.3	*	8.7	9.4
Colon, rectum & anus (C18-C21).....	25.4	21.0	23.9	25.9	21.7
Pancreas (C25).....	14.0	13.8	15.1	11.9	13.6
Trachea, bronchus & lung (C33-C34).....	91.9	70.9	70.4	73.5	69.6
Breast (C50).....	*	*	*	*	*
Cervical or uterine (C53-C55).....	*	*	*	*	*
Ovary (C61).....	*	*	*	*	*
Prostate (C61).....	42.6	25.4	30.0	30.1	31.9
Brain, etc. (C70-C72).....	*	8.6	*	5.8	6.9
Lymphoid & hematopoietic (C81-C96).....	36.6	26.9	31.5	29.2	26.2
Non-Hodgkin's lymphoma (C82-C85).....	16.5	11.0	*	12.0	9.8
Leukemia (C91-C95).....	*	10.9	13.0	10.5	9.9
Diabetes mellitus (E10-E14).....	32.8	36.2	35.2	39.7	32.5
Parkinson's disease (G20-G21).....	*	14.4	*	12.7	12.4
Alzheimer's disease (G30).....	20.2	31.4	27.2	21.0	25.2
Major cardiovascular diseases (I00-I78).....	402.0	334.4	344.2	341.5	340.9
Heart disease (I00-I09, I11, I13, I20-I51).....	304.6	238.6	260.0	238.0	242.1
Hypertensive heart disease (I11).....	*	6.5	*	*	3.5
Ischemic heart diseases (I20-I25).....	219.8	158.3	193.9	171.4	168.2
Myocardial infarction (I21-I22).....	69.5	53.3	91.8	60.3	49.3
Chronic ischemic heart disease (I20, I25).....	150.3	104.7	102.1	110.8	118.3
Atherosclerotic cardiovascular dis. (I25.0).....	24.8	8.0	15.6	16.9	8.9
Heart failure (I50).....	29.2	24.1	15.5	17.9	22.6
Cerebrovascular disease (I60-I69).....	69.9	68.9	61.4	71.4	73.5
Arteriosclerosis (I70).....	*	5.9	*	*	5.5
Aortic aneurysm & dissection (I71).....	*	6.3	*	11.8	5.7
Influenza & pneumonia (J10-J18).....	*	15.1	20.5	22.4	18.0
Chronic lower respiratory disease (J40-J47).....	72.8	64.9	56.4	62.7	58.1
Emphysema (J43).....	*	12.5	*	10.0	7.1
Other CLRD (J44, J47).....	65.5	51.0	49.2	50.1	49.4
Chronic liver disease (K70, K73-K74).....	21.6	12.2	16.9	12.3	16.3
Alcoholic liver disease (K70).....	18.4	9.9	15.7	10.8	13.0
Symptoms & signs NEC (R00-R99).....	20.8	20.8	*	13.9	16.4
Accidents (V01-X59, Y85-Y86).....	78.6	49.8	62.6	48.9	50.1
Transport accidents (V01-V99, Y85).....	33.9	19.9	31.0	24.6	16.0
Motor vehicle accidents (Many codes)**.....	28.7	15.4	30.4	21.8	13.6
Nontransport accidents (W00-X59, Y86).....	44.8	29.9	31.6	24.3	34.1
Falls (W00-W19).....	14.8	10.2	*	8.6	13.0
Poisonings & overdoses (X40-X49).....	*	8.8	*	6.8	12.7
Suicide (X60-X84, Y87.0).....	30.7	24.9	29.1	24.2	21.5
Homicide (X85-Y09, Y87.1).....	*	*	*	5.3	5.6
Injury by firearms (Many codes)***.....	28.9	18.8	17.9	20.2	16.1

* Indicates number of deaths less than 20; rate would be unreliable.

** Includes ICD-10 codes V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-87.8, V88.0-V88.8, V89.0, V89.2.

***Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0.

Table 6-44m. Age-adjusted Death Rates for Selected Causes by County/geographic Region, Oregon Resident Males, 2002-2004

Cause of Death	Washington	Yamhill	North Coast: Clatsop, Columbia, Tillamook, Lincoln	South Coast: Coos, Curry
Total Males	855.7	1011.6	1081.3	1194.8
Infectious & parasitic disease (A00-B99).....	13.9	17.1	14.6	19.2
Septicemia (A40-A41).....	*	*	*	*
Malignant neoplasms (C00-C97).....	213.9	241.1	246.9	286.0
Esophagus (C15).....	8.2	*	11.4	*
Colon, rectum & anus (C18-C21).....	17.4	*	24.2	22.3
Pancreas (C25).....	13.8	*	12.5	*
Trachea, bronchus & lung (C33-C34).....	51.1	70.6	73.9	93.1
Breast (C50).....	*	*	*	*
Cervical or uterine (C53-C55).....	*	*	*	*
Ovary (C61).....	*	*	*	*
Prostate (C61).....	28.2	30.6	24.2	31.4
Brain, etc. (C70-C72).....	9.3	*	*	*
Lymphoid & hematopoietic (C81-C96).....	29.0	28.2	24.9	34.9
Non-Hodgkin's lymphoma (C82-C85).....	12.7	*	10.3	13.2
Leukemia (C91-C95).....	10.6	*	*	15.8
Diabetes mellitus (E10-E14).....	30.6	36.3	34.1	36.0
Parkinson's disease (G20-G21).....	13.8	*	11.8	*
Alzheimer's disease (G30).....	27.0	28.2	27.5	24.5
Major cardiovascular diseases (I00-I78).....	298.8	373.8	395.3	408.7
Heart disease (I00-I09, I11, I13, I20-I51).....	213.6	272.9	281.8	316.9
Hypertensive heart disease (I11).....	5.5	*	*	*
Ischemic heart diseases (I20-I25).....	148.9	196.6	204.4	256.6
Myocardial infarction (I21-I22).....	54.0	49.5	81.7	80.8
Chronic ischemic heart disease (I20, I25).....	94.3	147.1	122.7	174.8
Atherosclerotic cardiovascular dis. (I25.0).....	5.9	*	11.0	26.5
Heart failure (I50).....	19.3	*	21.4	17.0
Cerebrovascular disease (I60-I69).....	62.8	78.3	83.9	59.2
Arteriosclerosis (I70).....	6.2	*	9.3	*
Aortic aneurysm & dissection (I71).....	8.2	*	*	*
Influenza & pneumonia (J10-J18).....	18.9	*	24.2	18.0
Chronic lower respiratory disease (J40-J47).....	44.1	53.4	67.2	74.0
Emphysema (J43).....	4.8	*	12.2	*
Other CLRD (J44, J47).....	38.6	46.7	53.0	63.3
Chronic liver disease (K70, K73-K74).....	8.0	*	16.6	15.9
Alcoholic liver disease (K70).....	6.8	*	11.8	13.5
Symptoms & signs NEC (R00-R99).....	11.4	*	17.3	14.9
Accidents (V01-X59, Y85-Y86).....	34.6	54.2	64.0	66.2
Transport accidents (V01-V99, Y85).....	11.1	22.6	29.4	32.7
Motor vehicle accidents (Many codes)**.....	10.3	21.7	23.8	29.3
Nontransport accidents (W00-X59, Y86).....	23.5	31.6	34.6	33.6
Falls (W00-W19).....	12.0	*	15.4	*
Poisonings & overdoses (X40-X49).....	4.8	*	*	*
Suicide (X60-X84, Y87.0).....	20.3	25.0	32.2	41.4
Homicide (X85-Y09, Y87.1).....	*	*	*	*
Injury by firearms (Many codes)***.....	16.0	15.7	20.3	28.4

* Indicates number of deaths less than 20; rate would be unreliable.

** Includes ICD-10 codes V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

***Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0

**Table 6-44m. Age-adjusted Death Rates for Selected Causes by
County/geographic Region, Oregon Resident Males, 2002-2004**

Cause of Death	Mid Valley: Benton, Polk	North Central: Gilliam, Hood River, Wasco, Sherman, Wheeler, Jef-	South Central: Klamath, Lake	Eastern Oregon: Baker, Grant, Harney, Malheur, Morrow, Umatilla, Union, Wallowa
Total Males	816.4	1101.3	1156.9	1009.9
Infectious & parasitic disease (A00-B99).....	13.6	*	24.5	17.1
Septicemia (A40-A41).....	*	*	*	*
Malignant neoplasms (C00-C97).....	201.3	244.6	254.3	223.4
Esophagus (C15).....	*	*	*	*
Colon, rectum & anus (C18-C21).....	16.3	22.0	23.5	24.9
Pancreas (C25).....	*	19.2	*	12.2
Trachea, bronchus & lung (C33-C34).....	64.7	77.0	77.5	63.2
Breast (C50).....	*	*	*	*
Cervical or uterine (C53-C55).....	*	*	*	*
Ovary (C61).....	*	*	*	*
Prostate (C61).....	24.6	*	32.2	32.1
Brain, etc. (C70-C72).....	*	*	*	*
Lymphoid & hematopoietic (C81-C96).....	22.2	30.5	32.7	25.0
Non-Hodgkin's lymphoma (C82-C85).....	11.0	*	*	9.7
Leukemia (C91-C95).....	*	*	*	9.5
Diabetes mellitus (E10-E14).....	26.9	44.1	55.9	31.2
Parkinson's disease (G20-G21).....	*	*	*	9.3
Alzheimer's disease (G30).....	23.2	37.6	37.6	23.0
Major cardiovascular diseases (I00-I78).....	290.9	356.4	331.7	332.6
Heart disease (I00-I09, I11, I13, I20-I51).....	203.9	259.3	253.1	247.5
Hypertensive heart disease (I11).....	*	*	*	*
Ischemic heart diseases (I20-I25).....	152.0	168.9	178.6	176.1
Myocardial infarction (I21-I22).....	52.3	71.5	78.2	67.0
Chronic ischemic heart disease (I20, I25).....	99.7	97.5	100.4	107.8
Atherosclerotic cardiovascular dis. (I25.0).....	12.3	*	*	21.7
Heart failure (I50).....	18.1	33.5	24.4	26.7
Cerebrovascular disease (I60-I69).....	63.5	66.0	52.8	61.6
Arteriosclerosis (I70).....	*	*	*	*
Aortic aneurysm & dissection (I71).....	*	*	*	*
Influenza & pneumonia (J10-J18).....	19.7	27.7	31.2	22.1
Chronic lower respiratory disease (J40-J47).....	39.6	84.4	99.9	63.6
Emphysema (J43).....	*	*	*	12.6
Other CLRD (J44, J47).....	35.9	77.1	79.3	49.9
Chronic liver disease (K70, K73-K74).....	10.7	*	18.9	14.4
Alcoholic liver disease (K70).....	10.1	*	18.1	11.0
Symptoms & signs NEC (R00-R99).....	*	*	19.4	30.0
Accidents (V01-X59, Y85-Y86).....	45.0	85.4	59.8	50.8
Transport accidents (V01-V99, Y85).....	17.5	37.9	35.3	25.2
Motor vehicle accidents (Many codes)**.....	15.2	34.0	32.9	22.3
Nontransport accidents (W00-X59, Y86).....	27.5	47.5	24.4	25.6
Falls (W00-W19).....	*	*	*	9.8
Poisonings & overdoses (X40-X49).....	*	*	*	*
Suicide (X60-X84, Y87.0).....	17.9	*	34.0	32.4
Homicide (X85-Y09, Y87.1).....	*	*	*	*
Injury by firearms (Many codes)***.....	12.0	20.1	26.2	26.9

* Indicates number of deaths less than 20; rate would be unreliable.

** Includes ICD-10 codes V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-87.8, V88.0-V88.8, V89.0, V89.2.

***Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0

**Table 6-44f. Age-adjusted Death Rates for Selected Causes by
County/geographic Region, Oregon Resident Females, 2002-2004**

Cause of Death	State	Clackamas	Deschutes	Douglas	Jackson
Total Females	711.8	720.9	655.8	748.1	700.3
Infectious & parasitic disease (A00-B99).....	10.9	10.2	*	18.4	10.0
Septicemia (A40-A41).....	4.5	6.0	*	*	*
Malignant neoplasms (C00-C97).....	172.3	168.4	158.0	181.0	169.2
Esophagus (C15).....	2.0	*	*	*	*
Colon, rectum & anus (C18-C21).....	15.5	14.6	13.4	18.2	15.4
Pancreas (C25).....	9.7	7.3	11.1	11.9	9.3
Trachea, bronchus & lung (C33-C34)	48.5	46.9	48.1	50.4	46.3
Breast (C50)	25.7	25.8	23.9	26.9	24.9
Cervical or uterine (C53-C55).....	2.1	*	*	*	*
Ovary (C61)	10.5	3.3	*	12.7	11.0
Prostate (C61)	*	*	*	*	*
Brain, etc. (C70-C72)	4.6	29.9	*	*	*
Lymphoid & hematopoietic (C81-C96).....	16.3	4.8	16.4	17.7	13.8
Non-Hodgkin's lymphoma (C82-C85)	6.8	17.0	*	*	6.0
Leukemia (C91-C95).....	5.5	8.3	*	*	5.4
Diabetes mellitus (E10-E14).....	24.8	4.7	22.2	23.7	23.8
Parkinson's disease (G20-G21).....	5.8	21.2	*	*	5.7
Alzheimer's disease (G30)	33.6	6.8	31.9	27.9	53.4
Major cardiovascular diseases (I00-I78).....	234.0	36.9	213.5	240.1	221.3
Heart disease (I00-I09, I11, I13, I20-I51).....	147.1	246.2	135.0	157.8	134.7
Hypertensive heart disease (I11)	5.7	157.0	*	*	4.2
Ischemic heart diseases (I20-I25).....	85.9	5.5	81.1	98.5	81.9
Myocardial infarction (I21-I22)	33.1	91.9	30.7	34.4	23.9
Chronic ischemic heart disease (I20, I25)	52.5	34.0	49.5	64.0	58.0
Atherosclerotic cardiovascular dis. (I25.0).....	7.4	56.9	17.0	11.4	7.2
Heart failure (I50).....	19.3	24.4	15.5	23.2	18.9
Cerebrovascular disease (I60-I69).....	65.8	70.0	61.7	60.0	67.2
Arteriosclerosis (I70).....	4.7	4.8	*	*	*
Aortic aneurysm & dissection (I71).....	3.5	*	*	*	*
Influenza & pneumonia (J10-J18).....	14.8	15.8	*	16.7	12.4
Chronic lower respiratory disease (J40-J47)	42.8	43.8	39.5	51.8	46.0
Emphysema (J43).....	6.6	7.9	*	*	4.6
Other CLRD (J44, J47)	34.3	34.0	31.5	47.0	38.8
Chronic liver disease (K70, K73-K74)	7.5	7.1	*	*	8.5
Alcoholic liver disease (K70).....	5.4	5.1	*	*	*
Symptoms & signs NEC (R00-R99)	12.4	8.0	*	14.7	14.4
Accidents (V01-X59, Y85-Y86).....	27.3	13.1	31.9	35.3	28.4
Transport accidents (V01-V99, Y85)	9.7	24.7	14.9	12.5	9.2
Motor vehicle accidents (Many codes)**	9.1	7.5	14.4	10.6	8.9
Nontransport accidents (W00-X59, Y86)	17.5	8.1	17.0	22.8	19.1
Falls (W00-W19)	8.1	16.6	*	*	8.9
Poisonings & overdoses (X40-X49).....	4.6	*	*	*	*
Suicide (X60-X84, Y87.0)	6.1	3.9	*	*	7.2
Homicide (X85-Y09, Y87.1)	1.8	*	*	*	*
Injury by firearms (Many codes)***	2.8	*	*	*	*

* Indicates number of deaths less than 20; rate would be unreliable.

** Includes ICD-10 codes V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-87.8, V88.0-V88.8, V89.0, V89.2.

***Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0.

**Table 6-44f. Age-adjusted Death Rates for Selected Causes by
County/geographic Region, Oregon Resident Females, 2002-2004**

Cause of Death	Josephine	Lane	Linn	Marion	Multnomah
Total Females	723.5	698.6	713.5	740.9	762.1
Infectious & parasitic disease (A00-B99).....	*	9.2	*	14.0	13.9
Septicemia (A40-A41).....	*	4.3	*	4.4	5.2
Malignant neoplasms (C00-C97).....	183.2	177.8	197.6	181.3	182.4
Esophagus (C15).....	*	*	*	*	2.0
Colon, rectum & anus (C18-C21).....	12.1	12.7	18.3	22.2	16.1
Pancreas (C25).....	*	11.2	13.1	9.0	9.8
Trachea, bronchus & lung (C33-C34)	62.9	52.9	56.4	47.2	52.0
Breast (C50)	29.7	26.7	25.4	28.0	26.1
Cervical or uterine (C53-C55).....	*	*	*	*	*
Ovary (C61)	10.3	12.0	15.8	11.7	10.7
Prostate (C61)	*	*	*	*	*
Brain, etc. (C70-C72)	*	4.3	*	4.5	5.1
Lymphoid & hematopoietic (C81-C96).....	12.0	18.1	17.5	16.6	18.0
Non-Hodgkin's lymphoma (C82-C85)	*	6.4	*	6.9	7.1
Leukemia (C91-C95).....	*	6.8	*	5.3	6.9
Diabetes mellitus (E10-E14).....	14.5	27.1	22.6	31.2	27.4
Parkinson's disease (G20-G21).....	*	6.4	*	7.8	5.7
Alzheimer's disease (G30)	22.0	31.4	24.2	24.5	35.6
Major cardiovascular diseases (I00-I78).....	248.2	216.8	246.5	245.6	255.5
Heart disease (I00-I09, I11, I13, I20-I51).....	171.8	132.7	148.4	148.4	158.7
Hypertensive heart disease (I11)	*	5.5	*	6.1	6.7
Ischemic heart diseases (I20-I25).....	106.7	68.0	91.9	88.2	89.2
Myocardial infarction (I21-I22)	31.4	24.0	44.7	38.9	34.4
Chronic ischemic heart disease (I20, I25)	75.3	43.3	46.6	49.3	54.7
Atherosclerotic cardiovascular dis. (I25.0).....	16.0	3.5	*	12.5	4.8
Heart failure (I50).....	22.9	20.5	13.4	16.2	21.7
Cerebrovascular disease (I60-I69).....	60.8	62.3	77.9	76.5	72.9
Arteriosclerosis (I70).....	*	4.5	*	*	5.6
Aortic aneurysm & dissection (I71)	*	3.1	*	3.8	4.4
Influenza & pneumonia (J10-J18).....	17.7	12.7	13.3	16.1	13.6
Chronic lower respiratory disease (J40-J47)	39.0	45.4	36.6	43.5	42.2
Emphysema (J43).....	*	10.5	*	7.6	6.4
Other CLRD (J44, J47)	31.9	32.9	30.0	32.9	33.6
Chronic liver disease (K70, K73-K74)	*	8.2	*	7.2	6.8
Alcoholic liver disease (K70).....	*	5.8	*	*	5.8
Symptoms & signs NEC (R00-R99)	18.7	11.7	14.0	10.0	13.4
Accidents (V01-X59, Y85-Y86).....	37.2	22.5	29.1	23.4	27.6
Transport accidents (V01-V99, Y85)	17.4	8.1	*	10.4	5.8
Motor vehicle accidents (Many codes)**	17.4	7.4	*	9.4	5.4
Nontransport accidents (W00-X59, Y86)	19.8	14.4	19.7	13.0	21.8
Falls (W00-W19)	8.7	6.9	*	6.3	9.4
Poisonings & overdoses (X40-X49).....	*	3.9	*	*	7.3
Suicide (X60-X84, Y87.0)	*	7.7	*	7.3	7.2
Homicide (X85-Y09, Y87.1)	*	*	*	*	2.1
Injury by firearms (Many codes)***	*	*	*	4.7	2.1

* Indicates number of deaths less than 20; rate would be unreliable.

** Includes ICD-10 codes V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-87.8, V88.0-V88.8, V89.0, V89.2.

***Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0.

**Table 6-44f. Age-adjusted Death Rates for Selected Causes by
County/geographic Region, Oregon Resident Females, 2002-2004**

Cause of Death	Washington	Yamhill	North Coast: Clatsop, Columbia, Tillamook, Lincoln	South Coast: Coos, Curry
Total Females	685.3	720.1	714.3	733.6
Infectious & parasitic disease (A00-B99).....	8.3	*	10.2	17.3
Septicemia (A40-A41).....	3.7	*	*	*
Malignant neoplasms (C00-C97).....	162.4	183.3	176.0	181.8
Esophagus (C15).....	*	*	*	*
Colon, rectum & anus (C18-C21).....	13.9	15.2	15.9	16.7
Pancreas (C25).....	10.0	*	9.2	12.2
Trachea, bronchus & lung (C33-C34)	43.4	52.1	47.6	66.6
Breast (C50)	28.5	28.0	28.4	17.2
Cervical or uterine (C53-C55).....	*	*	*	*
Ovary (C61)	6.8	*	8.6	*
Prostate (C61)	*	*	*	*
Brain, etc. (C70-C72)	3.6	*	*	*
Lymphoid & hematopoietic (C81-C96).....	15.8	17.6	15.3	11.1
Non-Hodgkin's lymphoma (C82-C85)	6.1	*	6.4	*
Leukemia (C91-C95).....	5.9	*	*	*
Diabetes mellitus (E10-E14).....	22.9	29.0	21.8	24.9
Parkinson's disease (G20-G21).....	5.8	*	*	*
Alzheimer's disease (G30)	42.3	33.6	29.0	34.6
Major cardiovascular diseases (I00-I78).....	227.7	218.9	222.1	235.5
Heart disease (I00-I09, I11, I13, I20-I51).....	140.2	142.0	140.5	151.2
Hypertensive heart disease (I11)	5.1	*	6.9	*
Ischemic heart diseases (I20-I25).....	81.0	75.6	88.7	102.7
Myocardial infarction (I21-I22)	32.8	28.2	34.8	40.6
Chronic ischemic heart disease (I20, I25)	48.2	46.9	53.9	61.2
Atherosclerotic cardiovascular dis. (I25.0).....	4.7	*	*	10.6
Heart failure (I50).....	18.9	13.9	13.7	12.2
Cerebrovascular disease (I60-I69).....	65.3	63.3	59.5	63.5
Arteriosclerosis (I70).....	5.3	*	*	*
Aortic aneurysm & dissection (I71).....	4.2	*	5.9	*
Influenza & pneumonia (J10-J18).....	12.8	20.9	24.0	14.3
Chronic lower respiratory disease (J40-J47).....	34.5	41.4	46.5	41.4
Emphysema (J43).....	5.8	*	6.2	*
Other CLRD (J44, J47)	26.9	30.7	38.5	37.5
Chronic liver disease (K70, K73-K74)	6.7	*	11.5	*
Alcoholic liver disease (K70).....	4.1	*	9.7	*
Symptoms & signs NEC (R00-R99)	9.6	*	14.3	11.7
Accidents (V01-X59, Y85-Y86).....	23.2	23.9	34.4	36.6
Transport accidents (V01-V99, Y85)	7.0	*	10.9	15.9
Motor vehicle accidents (Many codes)**	6.8	8.4	10.9	*
Nontransport accidents (W00-X59, Y86)	16.2	14.1	23.5	20.8
Falls (W00-W19)	9.7	*	9.6	*
Poisonings & overdoses (X40-X49).....	*	*	8.4	*
Suicide (X60-X84, Y87.0)	4.8	*	7.7	*
Homicide (X85-Y09, Y87.1)	*	*	*	*
Injury by firearms (Many codes)***	*	*	*	*

* Indicates number of deaths less than 20; rate would be unreliable.

** Includes ICD-10 codes V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

***Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0

**Table 6-44f. Age-adjusted Death Rates for Selected Causes by
County/geographic Region, Oregon Resident Females, 2002-2004**

Cause of Death	Mid Valley: Benton, Polk	North Central: Gilliam, Hood River, Wasco, Sherman, Wheeler, Jef-	South Central: Klamath, Lake	Eastern Oregon: Baker, Grant, Harney, Malheur, Morrow, Umatilla, Union, Wallowa
Total Females	614.0	723.5	794.5	672.4
Infectious & parasitic disease (A00-B99)	10.3	*	*	9.8
Septicemia (A40-A41)	*	*	*	*
Malignant neoplasms (C00-C97)	146.5	164.7	176.0	150.6
Esophagus (C15)	*	*	*	*
Colon, rectum & anus (C18-C21)	14.7	*	17.3	15.3
Pancreas (C25)	7.5	*	13.4	7.0
Trachea, bronchus & lung (C33-C34)	30.8	42.0	42.2	43.5
Breast (C50)	25.0	27.1	26.8	19.6
Cervical or uterine (C53-C55)†	*	*	*	*
Ovary (C61)†	9.0	*	*	9.3
Prostate (C61)†	*	*	*	*
Brain, etc. (C70-C72)	*	*	*	*
Lymphoid & hematopoietic (C81-C96)	16.3	21.2	16.0	13.8
Non-Hodgkin's lymphoma (C82-C85)	9.1	*	*	*
Leukemia (C91-C95)	*	*	*	7.0
Diabetes mellitus (E10-E14)	26.4	26.3	21.7	26.1
Parkinson's disease (G20-G21)	*	*	*	*
Alzheimer's disease (G30)	25.5	32.8	39.6	27.7
Major cardiovascular diseases (I00-I78)	209.1	229.0	256.0	211.2
Heart disease (I00-I09, I11, I13, I20-I51)	122.5	146.9	182.1	146.6
Hypertensive heart disease (I11)	*	*	*	8.1
Ischemic heart diseases (I20-I25)	69.8	88.6	112.1	83.3
Myocardial infarction (I21-I22)	35.9	36.7	51.5	29.2
Chronic ischemic heart disease (I20, I25)	33.9	51.9	59.9	53.5
Atherosclerotic cardiovascular dis. (I25.0)	*	*	18.1	12.1
Heart failure (I50)	13.8	25.2	24.0	20.2
Cerebrovascular disease (I60-I69)	63.5	65.5	47.7	49.9
Arteriosclerosis (I70)	*	*	*	*
Aortic aneurysm & dissection (I71)	*	*	*	*
Influenza & pneumonia (J10-J18)	16.7	12.5	19.3	18.6
Chronic lower respiratory disease (J40-J47)	32.5	59.6	49.0	49.5
Emphysema (J43)	*	*	*	7.4
Other CLRD (J44, J47)	27.7	53.9	36.1	39.5
Chronic liver disease (K70, K73-K74)	*	*	*	*
Alcoholic liver disease (K70)	*	*	*	*
Symptoms & signs NEC (R00-R99)	8.5	20.2	20.2	13.4
Accidents (V01-X59, Y85-Y86)	26.7	32.8	42.9	30.3
Transport accidents (V01-V99, Y85)	12.1	20.2	26.1	12.3
Motor vehicle accidents (Many codes)**	11.2	*	26.1	11.5
Nontransport accidents (W00-X59, Y86)	14.5	*	16.9	18.1
Falls (W00-W19)	7.8	*	*	9.3
Poisonings & overdoses (X40-X49)	*	*	*	*
Suicide (X60-X84, Y87.0)	*	*	*	*
Homicide (X85-Y09, Y87.1)	*	*	*	*
Injury by firearms (Many codes)***	*	*	*	*

* Indicates number of deaths less than 20; rate would be unreliable.

** Includes ICD-10 codes V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-87.8, V88.0-V88.8, V89.0, V89.2.

***Includes ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0

TABLE 6-45. Selected Causes of Death for the Residents of Oregon's Largest Cities, 2004

City of Residence	Population	Total Deaths	Selected Causes of Death									
			Cancr	Heart	CeVD	CLRD	Un Inj	Alz	Dia	Sui	Pne	Alc
State Total	3,582,600	30,201	7,227	6,687	2,322	1,770	1,423	1,263	1,072	555	554	510
Albany	44,030	442	107	104	32	28	17	16	17	5	12	10
Ashland	20,590	174	39	35	19	4	8	17	8	—	3	—
Beaverton	79,350	721	178	152	56	33	28	41	28	11	12	10
Bend	65,210	473	116	92	33	22	24	17	11	15	10	14
Canby	14,110	130	27	31	16	4	8	6	3	1	5	3
Central Point ..	14,950	149	42	36	12	11	10	5	6	2	4	—
Coos Bay	15,700	228	44	49	14	11	11	12	15	7	7	2
Corvallis	52,590	339	56	77	26	18	17	27	16	2	12	5
Dallas	13,500	167	42	36	16	9	7	7	4	4	1	1
Eugene	144,640	1,273	304	256	105	74	50	71	37	25	13	26
Forest Grove ..	19,200	225	47	50	22	20	11	8	10	2	4	3
Gladstone	12,140	112	26	19	11	9	8	2	4	1	3	2
Grants Pass ...	24,790	389	83	109	24	16	25	17	10	2	4	2
Gresham	94,250	552	124	120	43	25	22	24	23	8	11	11
Hermiston	14,700	141	36	30	9	5	7	5	7	3	2	1
Hillsboro	79,940	379	86	97	35	13	17	14	12	11	5	3
Keizer	34,380	232	58	40	22	15	6	7	8	3	6	6
Klamath Falls	20,220	235	53	60	11	10	9	15	6	5	8	7
La Grande	12,510	137	31	26	5	6	6	8	2	1	2	2
Lake Oswego	35,930	247	65	57	24	15	12	7	4	3	3	4
Lebanon	13,550	158	39	34	17	6	4	9	7	—	7	3
McMinnville	29,200	289	66	58	29	17	10	16	18	5	13	—
Medford	69,220	806	181	155	82	58	33	69	22	17	8	12
Milwaukie	20,590	386	89	82	32	27	11	23	8	4	7	5
Newberg	19,910	158	25	45	13	10	10	9	5	1	2	1
Oregon City ...	28,370	273	52	69	17	17	9	13	18	6	10	6
Pendleton	16,850	141	31	26	10	9	4	6	6	8	2	3
Portland	550,560	4,727	1,059	1,078	385	217	226	169	171	85	73	87
Redmond	18,100	164	33	44	12	9	8	12	3	2	3	3
Roseburg	20,530	348	75	89	26	32	12	14	12	2	8	2
Salem	143,700	1,413	360	272	125	102	61	47	53	29	19	24
Sherwood	14,190	69	17	11	7	2	9	4	3	1	—	—
Springfield	55,350	500	117	99	33	36	29	24	14	8	12	8
The Dalles	12,410	193	46	36	16	21	4	17	9	1	5	3
Tigard	44,650	367	106	90	15	14	14	11	15	6	9	4
Troutdale	14,380	96	16	26	9	5	3	9	4	1	3	—
Tualatin	24,940	136	25	27	12	4	11	13	3	3	1	2
West Linn	23,970	143	31	32	10	7	5	14	5	2	1	—
Wilsonville	16,250	137	29	30	22	10	6	12	2	1	—	2
Woodburn	21,790	233	57	65	24	8	13	7	9	3	3	2

— Quantity is zero.

Abbreviations: Cancr = Malignant Neoplasms; CeVD = Cerebrovascular Disease; CLRD = Chronic Lower Respiratory Disease; Un Inj = Unintentional Injuries; Alz = Alzheimer's Disease; Dia = Diabetes Mellitus; Pne = Pneumonia and Influenza; Sui = Suicide; Alc = Alcohol-induced deaths.

TABLE 6-46. Deaths Resulting from Injuries Occurring While at Work in Oregon by Sex, Age, Manner, Place, Weekday, and Time, 2004

Manner, Type of Injury, Place, Weekday, and Time	Total	Sex		Age Groups					
		M	F	≤24	25-34	35-44	45-54	55-64	65+
Total	53	46	7	4	8	10	12	8	11
Type of Injury									
Accident	48	41	7	4	7	9	12	8	8
Motor Vehicle	16	13	3	1	2	3	2	6	2
Watercraft & Drowning	1	1	—	—	—	—	1	—	—
Aircraft	2	2	—	—	—	2	—	—	—
Falls	10	7	3	—	1	1	2	1	5
Struck by Projected/Falling Object	7	7	—	1	1	2	1	1	1
Smoke & Fire	—	—	—	—	—	—	—	—	—
Agricultural Machinery	—	—	—	—	—	—	—	—	—
Other Machinery	9	8	1	2	2	—	5	—	—
Suicide	3	3	—	—	1	—	—	—	2
Homicide	1	1	—	—	—	—	—	—	1
Firearms	1	1	—	—	—	—	—	—	1
Undetermined Intent	1	1	—	—	—	1	—	—	—
Place of Injury									
Home	1	1	—	—	1	—	—	—	—
Residential Institution	—	—	—	—	—	—	—	—	—
Other Institution	—	—	—	—	—	—	—	—	—
Sports & Recreation Area	—	—	—	—	—	—	—	—	—
Street or Highway	14	12	2	—	2	4	2	3	3
Warehouse, Trade & Service Area	7	4	3	—	—	—	2	2	3
Industrial & Construction Area ..	18	16	2	2	4	3	4	2	3
Farm	1	1	—	—	1	—	—	—	—
Other Specified Place	11	11	—	1	—	3	4	1	2
Unspecified Place	1	1	—	1	—	—	—	—	—
Weekday of Injury									
Sunday	3	3	—	—	1	—	1	—	1
Monday	6	5	1	—	—	1	2	1	2
Tuesday	10	8	2	—	2	4	—	3	1
Wednesday	8	7	1	1	1	4	1	—	1
Thursday	9	8	1	2	1	—	4	1	1
Friday	8	7	1	—	—	—	2	2	4
Saturday	9	8	1	1	3	1	2	1	1
Not Stated	—	—	—	—	—	—	—	—	—
Time of Injury									
12:00-3:59 AM	3	2	1	—	—	1	—	2	—
4:00-7:59 AM	4	4	—	—	1	2	1	—	—
8:00-11:59 AM	20	19	1	3	3	2	6	3	3
12:00-3:59 PM	13	11	2	1	1	4	4	1	2
4:00-7:59 PM	6	4	2	—	1	1	1	2	1
8:00-11:59 PM	2	1	1	—	1	—	—	—	1
Not Stated	5	5	—	—	1	—	—	—	4

Excluded are residents of other states who were injured in Oregon but died outside of Oregon.

— Quantity is zero.

TABLE 6-47. Causes Mentioned on the Death Certificate but Which Were Not the Underlying Cause of Death, by County of Residence, Oregon, 2004

Sex and Age	Cancer	Heart Dis	CeVD	CLRD	Unint Injur	Alzheimer's	Diabetes	Flu & Pneumonia	Alcohol Induc	Orgnc Dementia
Total	822	4,361	1,449	1,869	613	465	2,235	1,606	387	1,687
Baker	2	13	7	9	2	3	13	3	3	4
Benton	17	80	30	17	4	11	35	26	5	21
Clackamas	72	387	128	130	77	44	203	167	27	181
Clatsop	8	48	11	24	7	6	29	29	3	15
Columbia	5	59	17	31	4	2	35	18	7	13
Coos	37	149	41	79	13	12	58	50	7	47
Crook	2	27	8	9	3	1	14	8	3	7
Curry	9	36	13	17	3	3	13	7	1	5
Deschutes	34	112	53	60	10	7	58	38	11	41
Douglas	42	247	71	124	22	26	96	84	26	66
Gilliam	1	5	1	4	0	3	1	2	0	1
Grant	0	12	4	8	1	1	5	6	1	8
Harney	2	18	2	4	0	1	6	6	3	5
Hood River	4	14	11	2	6	2	13	13	2	11
Jackson	47	252	87	105	25	27	127	75	20	80
Jefferson	4	24	6	12	2	2	14	9	7	17
Josephine	23	152	62	94	16	15	78	53	6	44
Klamath	22	96	28	55	14	7	59	43	12	23
Lake	0	9	5	5	1	2	1	2	0	2
Lane	72	428	143	199	53	40	214	124	39	164
Lincoln	10	64	28	25	9	16	42	33	8	35
Linn	26	141	54	72	25	9	80	67	13	59
Malheur	7	37	18	15	7	9	12	11	5	9
Marion	83	351	109	150	41	27	217	122	34	131
Morrow	3	21	1	10	1	0	8	2	1	3
Multnomah	141	760	255	282	146	94	391	292	83	333
Polk	16	74	25	33	11	14	39	29	5	41
Sherman	0	3	1	3	0	0	4	1	0	0
Tillamook	8	38	10	15	12	5	17	15	4	13
Umatilla	14	121	23	56	13	10	59	28	5	33
Union	4	21	12	16	4	1	14	24	3	17
Wallowa	5	12	6	7	2	2	4	5	1	3
Wasco	6	43	12	20	1	5	37	20	7	18
Washington	71	413	130	126	60	45	174	152	22	191
Wheeler	2	2	1	2	0	0	0	1	0	1
Yamhill	23	92	36	49	18	13	65	41	13	45

Note: Causes mentioned are not counted more than once per certificate.

Abbreviations: Cancer = Malignant Neoplasms; CeVD = Cerebrovascular Disease; CLRD = Chronic Lower Respiratory Disease; Unint Injur = Unintentional Injuries; Alcohol Induc = Alcohol-induced deaths; Orgnc Dementia = Organic Dementia.

TABLE 6-48. Causes Mentioned on the Death Certificate but Which Were Not the Underlying Cause of Death, by Sex and Age, Oregon, 2004

Sex and Age	Cancer	Heart Dis	CeVD	CLRD	Unint Injur	Alzheimer's	Diabetes	Flu & Pneumonia	Alcohol Induc	Orgnc Dementia
Both Sexes										
Total	822	4,361	1,449	1,869	613	465	2,235	1,606	387	1,687
< 1	0	9	0	0	8	0	0	0	0	0
1-4	0	1	1	0	1	0	0	1	0	0
5-14	1	3	2	0	1	0	1	3	0	0
15-24	0	7	2	2	8	0	0	5	9	0
25-34	2	13	4	2	16	0	3	6	11	0
35-44	12	58	15	9	32	0	28	19	51	2
45-54	32	172	35	61	35	1	110	47	104	3
55-64	59	361	76	182	34	0	245	101	98	12
65-74	136	703	201	449	48	22	457	232	60	90
75-84	284	1,494	522	736	177	161	824	558	46	541
85+	296	1,540	591	428	253	281	567	634	8	1,039
Male										
Total	473	2,223	631	975	313	179	1,121	828	293	644
< 1	0	7	0	0	3	0	0	0	0	0
1-4	0	1	0	0	1	0	0	0	0	0
5-14	1	2	2	0	0	0	1	1	0	0
15-24	0	4	2	2	4	0	0	3	8	0
25-34	2	7	0	1	12	0	1	5	11	0
35-44	9	40	10	6	27	0	15	13	41	0
45-54	26	115	24	33	24	1	76	33	78	1
55-64	38	220	39	95	21	0	137	66	71	8
65-74	73	382	112	238	26	9	235	130	43	51
75-84	176	805	231	388	91	75	410	303	35	255
85+	148	640	211	212	104	94	246	274	6	329
Female										
Total	349	2,138	818	894	300	286	1,114	778	94	1,043
< 1	0	2	0	0	5	0	0	0	0	0
1-4	0	0	1	0	0	0	0	1	0	0
5-14	0	1	0	0	1	0	0	2	0	0
15-24	0	3	0	0	4	0	0	2	1	0
25-34	0	6	4	1	4	0	2	1	0	0
35-44	3	18	5	3	5	0	13	6	10	2
45-54	6	57	11	28	11	0	34	14	26	2
55-64	21	141	37	87	13	0	108	35	27	4
65-74	63	321	89	211	22	13	222	102	17	39
75-84	108	689	291	348	86	86	414	255	11	286
85+	148	900	380	216	149	187	321	360	2	710

Note: Causes mentioned are not counted more than once per certificate.

Abbreviations: Cancer = Malignant Neoplasms; CeVD = Cerebrovascular Disease; CLRD = Chronic Lower Respiratory Disease; Unint Injur = Unintentional Injuries; Alcohol Induc = Alcohol-induced deaths; Orgnc Dementia = Organic Dementia.

**TABLE 6-49. Place of Death by Sex, Age, and Selected Causes of Death,
Oregon Residents, 2004**

Characteristics	Total	Hospital		Gov't Inst.	Nursing Home	Resid. Inst. ¹	Home ²	Jail/ Prison	Other
		Inpa- tient	ER/ DOA						
Total	30,201	7,802	1,269	254	5,188	3,472	10,324	39	1,853
Sex									
Male	14,876	3,974	754	246	2,100	1,163	5,462	37	1,140
Female	15,325	3,828	515	8	3,088	2,309	4,862	2	713
Age Group									
< 1	252	193	30	—	—	1	24	—	4
1-4	51	15	13	—	—	—	13	—	10
5-14	76	21	18	—	1	1	16	—	19
15-24	350	64	51	—	1	6	90	3	135
25-34	388	65	32	—	4	4	141	4	138
35-44	937	245	80	1	25	17	386	8	175
45-54	2,123	585	155	21	95	39	957	13	258
55-64	3,140	917	200	41	234	70	1,421	5	252
65-74	4,766	1,463	201	57	556	210	2,025	6	248
75-84	8,794	2,355	302	90	1,738	1,010	2,924	—	375
85-94	7,938	1,674	176	44	2,099	1,727	2,010	—	208
95+	1,386	205	11	—	435	387	317	—	31
Cause of Death									
Cancer	7,227	1,349	91	78	914	532	3,802	10	451
Heart Disease	6,687	1,789	490	38	1,027	810	2,232	3	298
Myocardial Infarction	1,468	558	164	14	158	101	421	—	52
Cerebrovascular Disease	2,322	753	79	16	713	318	385	1	57
CLRD ³	1,770	529	57	17	270	190	665	—	42
Asthma	49	12	10	—	3	6	18	—	—
Unintentional Injuries	1,423	357	150	3	108	48	248	2	507
Motor vehicle	489	75	66	—	1	9	8	—	330
Water transport	14	—	1	—	—	—	—	—	13
Poisoning	224	15	16	—	1	1	136	2	53
Suffocation	62	21	12	—	4	3	18	—	4
Falls	381	196	28	1	76	26	34	—	20
Drowning	59	1	13	—	—	—	10	—	35
Fire, flames & smoke	34	8	2	—	1	—	20	—	3
Alzheimer's Disease	1,263	60	5	17	483	477	195	—	26
Diabetes Mellitus	1,072	227	64	8	235	129	379	2	28
Suicide	555	32	20	—	6	5	359	7	126
Flu & Pneumonia	554	275	10	10	139	58	51	—	11
Alcohol-induced ⁴	510	151	15	3	56	14	227	5	39
Homicide	112	19	11	—	2	—	36	—	44
AIDS	65	26	2	2	4	4	19	1	7
SIDS	19	4	9	—	—	—	5	—	1
Gunshot (Any Manner)	383	23	20	—	3	2	234	—	101

¹ Residential institution includes adult foster care, residential care facilities, and assisted living.

² Patient's own home or apartment.

³ CLRD = Chronic Lower Respiratory Disease.

⁴ See Table 6-6, footnotes 35-36, for list of included conditions and their ICD codes.

— Quantity is 0.

**TABLE 6-50. Death Rates for Selected Leading Causes of Mortality,
United States, 1990-2004**

Year	Total	Heart Disease	Cancer	Cerebrovascular Disease	Chronic Lower Respiratory Disease ¹	Unintentional Injuries	Pneumonia and Influenza	Suicide	Diabetes
1990.....	863.8	285.2	205.1	60.8	36.3	37.9	22.3	12.4	19.6
1991.....	860.3	281.6	206.0	59.8	37.4	36.3	21.5	12.2	19.8
1992.....	852.9	277.2	206.0	59.2	37.5	34.9	20.7	12.0	20.0
1993.....	880.0	284.1	207.5	61.1	40.8	36.0	22.4	12.1	21.3
1994.....	875.4	277.1	207.1	61.9	40.6	36.0	21.8	12.0	22.2
1995.....	880.0	276.5	206.8	63.1	40.8	36.4	22.3	11.9	23.0
1996.....	872.5	272.4	205.3	63.3	41.6	36.7	22.3	11.6	23.7
1997.....	864.7	267.6	203.5	62.7	42.4	36.6	22.5	11.4	23.9
1998.....	864.2	263.7	202.1	58.9	43.1	37.1	23.7	11.3	24.4
1999.....	877.0	265.9	201.6	61.4	45.5	35.9	23.4	10.7	25.1
2000.....	873.6	257.9	200.5	60.3	44.9	34.0	24.3	10.3	24.9
2001.....	848.5	245.8	196.0	57.9	43.7	35.7	22.0	10.8	25.1
2002.....	847.3	241.7	193.2	56.4	43.3	37.0	22.8	11.0	25.4
2003.....	841.9	235.6	191.5	54.2	43.5	37.6	22.4	10.8	25.5
2004.....	816.7	222.7	187.4	51.1	42.2	37.0	20.9	10.8	24.8
Year	Arteriosclerosis	Alzheimer's Disease	Alcohol-induced ²	Homicide (excluding legal intervention)	Hypertension	Acquired Immune Deficiency Syndrome	Parkinson's Disease	Congenital Anomalies	Amyotrophic Lateral Sclerosis
1990.....	7.1	10.2	7.8	9.9	4.1	10.9	2.9	4.7	1.4
1991.....	6.7	10.2	7.5	10.4	4.2	12.7	3.0	4.5	1.5
1992.....	6.4	10.2	7.5	9.9	4.5	14.3	3.0	4.4	1.5
1993.....	6.5	11.4	7.5	9.9	4.9	15.7	3.5	4.3	1.4
1994.....	6.4	12.3	7.6	9.4	5.0	17.5	3.8	4.1	1.5
1995.....	6.2	13.3	7.6	8.6	5.2	17.7	4.1	4.1	1.5
1996.....	6.1	13.4	7.3	7.8	5.5	12.7	4.5	4.0	1.6
1997.....	5.8	13.8	7.2	7.3	5.7	6.7	4.6	3.9	1.6
1998.....	5.5	13.8	7.1	6.6	5.9	5.4	4.9	3.9	1.6
1999.....	5.5	16.3	7.1	6.2	6.2	5.4	5.4	3.8	1.9
2000.....	5.2	17.8	7.0	5.9	6.5	5.2	5.7	3.8	1.9
2001.....	4.9	18.9	7.0	7.1	6.8	5.0	5.8	3.7	1.9
2002.....	4.8	20.4	6.9	6.1	7.0	4.9	5.9	3.7	2.0
2003.....	4.5	21.8	7.0	6.1	7.5	4.7	6.2	3.6	2.0
2004.....	4.1	22.4	6.9	3.8	7.8	4.4	6.1	3.6	-

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

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

2. Includes the alcohol-linked disorders represented by ICD-9 codes 291.0-291.9, 303, 305.0, 357.5, 425.5, 535.3 and 571.0-571.3, prior to 1999. For current ICD-10 components, see Table 6-6, footnotes 35-36.

NOTE: Beginning in 1999, causes of death were classified using the rubrics and methodology of the tenth revision of the International Classification of Disease (which supplanted the ninth revision). Final ICD-9/ICD-10 comparability ratios have been applied to all rates prior to 1999, except ALS and alcohol-induced deaths, where ratios were not calculated. See Appendix B.

TABLE 6-51. Age-adjusted Death Rates for Residents of Oregon and the United States for the Leading Causes of Death, 2003*

Cause	Age-adjusted Rate ¹		Percent Difference	State Rank ²	ICD-10 Codes ³
	U.S.	Oregon			
All Causes	832.3	808.4	-2.9	30	A00-Y89.9
Malignant Neoplasms	190.0	192.7	1.4	26	C00-C97
Diseases of the Heart	239.6	190.5	-25.5	46	I00-I09, I11, I13, I20-I51
Cerebrovascular Disease	53.5	65.4	22.2	7	I60-I69
Chronic Lower Respiratory Disease	43.3	48.4	11.8	17	J40-J47
Unintended Injuries	36.0	37.1	3.1	28	V01-X59, Y85-Y86
Alzheimer's Disease	21.4	28.8	34.1	7	G30
Diabetes Mellitus	25.3	27.2	7.5	21	E10-E14
Suicide	10.8	16.1	49.1	8	X60-X84, Y87.0
Influenza and Pneumonia	22.0	15.9	-27.7	46	J10-J18
Alcohol-induced Deaths	7.0	13.5	92.9	4	E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K86.0, R78.0, X45, X65, Y15
Hypertension with/without Renal Disease	7.4	8.9	20.3	8	I10, I12
Parkinson's Disease	6.2	8.1	30.6	5	G20-G21
Nephritis and Nephrosis	14.4	8.0	-44.4	45	N00-N07, N17-N19, N25-N27
Aortic Aneurysm and Dissection	5.1	5.2	2.0	28	I71
Septicemia	11.6	4.7	-59.5	48	A40-A41
Arteriosclerosis	4.4	5.2	18.2	12	I70
Congenital Anomalies	3.6	3.6	0.0	30	Q00-Q99
Perinatal Conditions	4.9	3.5	-28.6	45	P00-P96
Homicide	6.1	2.5	-59.0	45	X85-Y09, Y87.1
Amyotrophic Lateral Sclerosis	2.0	3.0	50.0	6	G12.2
Viral Hepatitis	1.8	2.5	38.9	8	B15-B19
HIV/AIDS	4.7	2.6	-44.7	26	B20-B24

1 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. U.S. rates in this table were calculated using the federal Center for Disease Control and Prevention's WONDER (Wide-ranging Online Data for Epidemiological Research) system (<http://wonder.cdc.gov>). These rates may vary slightly from rates published by the National Center for Health Statistics and the Oregon Center for Health Statistics due to different file closure dates and different population estimate methodologies.

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

3 From the World Health Organization's International Classification of Disease, Tenth Edition.

* Most recent available data.

TABLE 6-52. Highest and Lowest Age-adjusted Death Rates by State, 2003

Cause	Lowest		Highest	
	State	Rate	State	Rate
All Causes	Hawaii	639.9	Mississippi	1,028.9
Malignant Neoplasms	Utah	144.4	Kentucky	223.6
Diseases of the Heart	Minnesota	161.2	Mississippi	330.1
Cerebrovascular Disease	New York	35.0	Arkansas	70.7
Chronic Lower Respiratory Disease	Hawaii	20.3	Nevada	62.4
Unintended Injuries	Massachusetts	19.3	New Mexico	65.7
Alzheimer's Disease	New York	8.7	Washington	39.7
Diabetes Mellitus	Hawaii	14.4	Louisiana	41.0
Suicide	New York	5.9	Wyoming	21.7
Influenza and Pneumonia	Florida	13.3	Tennessee	32.4
Alcohol-induced Deaths	Hawaii	2.3	Alaska	21.1
Hypertension with/without Renal Disease	Rhode Island	3.8	Mississippi	13.4
Parkinson's Disease	New York	3.5	Utah	11.6
Nephritis and Nephrosis	Washington	5.2	Louisiana	25.4
Aortic Aneurysm and Dissection	Alaska	3.8	Montana	7.3
Septicemia	California	3.1	Nevada	22.1
Arteriosclerosis	Delaware	1.0*	Alaska	16.5
Congenital Anomalies	Connecticut	2.5	South Dakota	6.3
Perinatal Conditions	South Dakota	2.3*	District of Columbia	8.1
Homicide	Maine	1.3*	District of Columbia	32.5
Amyotrophic Lateral Sclerosis	Hawaii	1.4	Vermont	3.5
Viral Hepatitis	Vermont	0.5*	District of Columbia	4.4
HIV/AIDS	South Dakota**	0.4*	District of Columbia	43.7

* The age-adjusted death rate is based on less than 20 cases and is, therefore, considered unreliable.

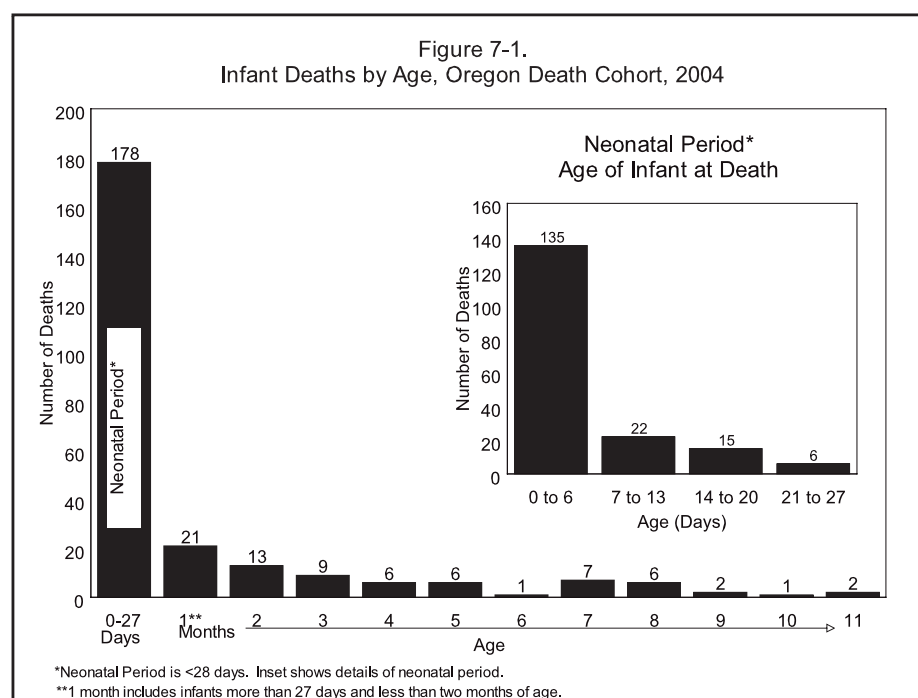
** Tied with North Dakota.

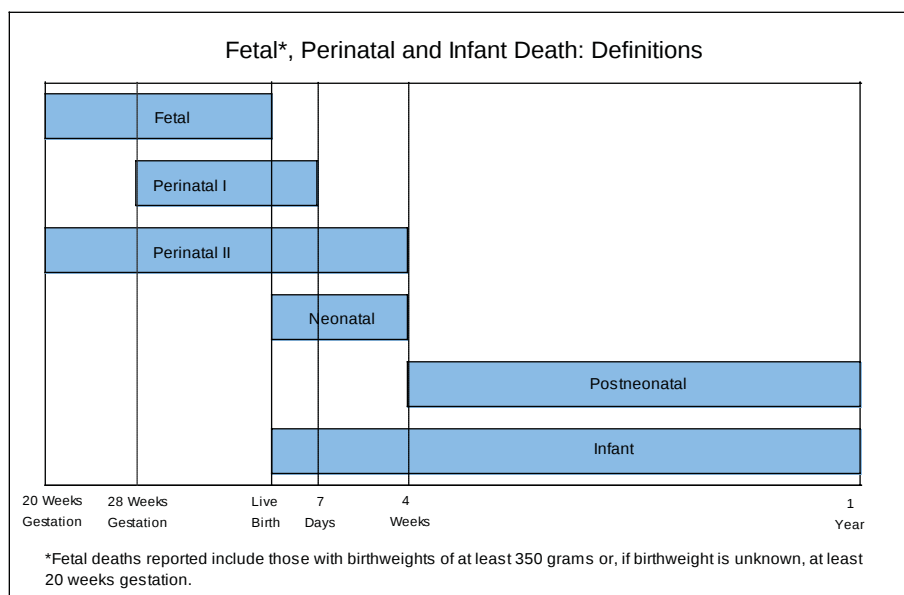
Fetal and Infant Mortality

INTRODUCTION

This report presents fetal and infant mortality data. Infant deaths are deaths that occur within one year of birth. Fetal deaths included in this report are of fetuses whose birth weight was at least 350 grams or, if birth weight was unknown, 20 weeks gestation or more. This definition applies to data after 1998. 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, next page).

This report analyzes the above categories using three databases: (1) fetal deaths, (2) infant deaths and (3) births. 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. Rates and ratios based on fewer than five events are unreliable; 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 to fetuses whose birth weight is at least 350 grams or, if birth weight was unknown, 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.¹
- **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.
- The **death cohort** for infant death 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 2004.
- The **birth cohort** for matched infant death 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 2003, and died in either 2003 or 2004.

USE OF THE 2004 DEATH COHORT

This report uses data from the 2004 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.

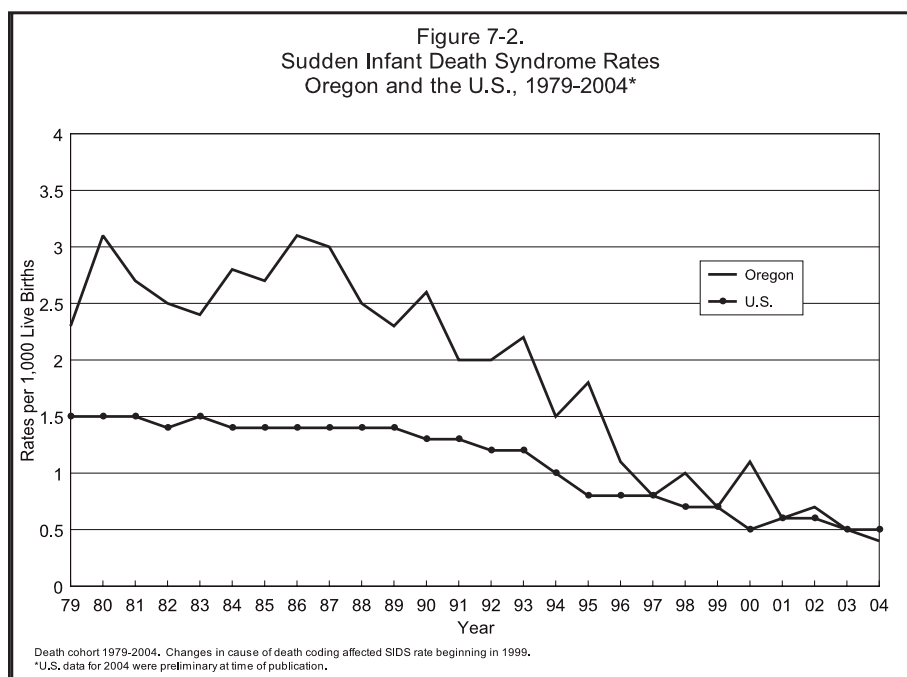
Infant characteristics at the time of death are derived from death certificates. The characteristics of most interest are age at death, county of residence at death and underlying cause of death. Total age-specific and cause-specific mortality ratios are computed by dividing the number of infant deaths 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 2004:

- 252 infants under age one died.
- The infant death rate was 5.5 deaths per 1,000 births, a decrease of 1.8 percent from the previous year. The decrease was not statistically significant.
- Oregon's 2004 infant death rate is nearly 19 percent lower than the preliminary 2004 U.S. rate of 6.8 per 1,000 births.² [Table 5-1].
- As in previous years, most infants who died during 2004 were less than 28 days old. [Figure 7-1]. More than three out of four (75.8%) of these neonatal deaths occurred within the first week of life.

***During 2004,
252 infants under age
one died.***



***There were
19 SIDS deaths
in 2004.***

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 usually during the postneonatal period. Historically, Oregon's SIDS rate has been higher than the national rate and SIDS has been a leading cause of death among Oregon infants. [Figure 7-2].

The number of SIDS deaths decreased slightly from 23 deaths in 2003 to 19 in 2004. In 2004, SIDS accounted for 7.5 percent of the state's total infant deaths and 24.3 percent of all postneonatal deaths. The 2004 Oregon SIDS death rate was 0.4 deaths per 1,000 live births, a slight decrease from the 2003 rate of 0.5. [Figure 7-2].

The 2004 rate of SIDS deaths in Oregon was nearly the same as the preliminary 2004 U.S. rate (0.5 per 1,000 live births). [Figure 7-2]. Nationally, SIDS was responsible for 2,109 deaths in 2004 making it the third leading cause of infant mortality.²

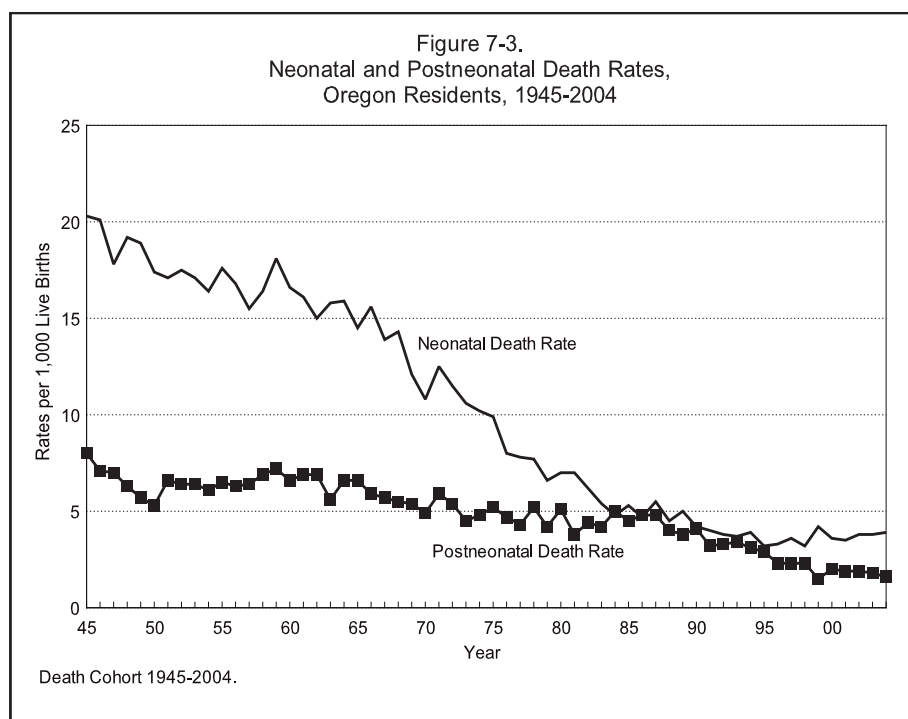
NEONATAL DEATH

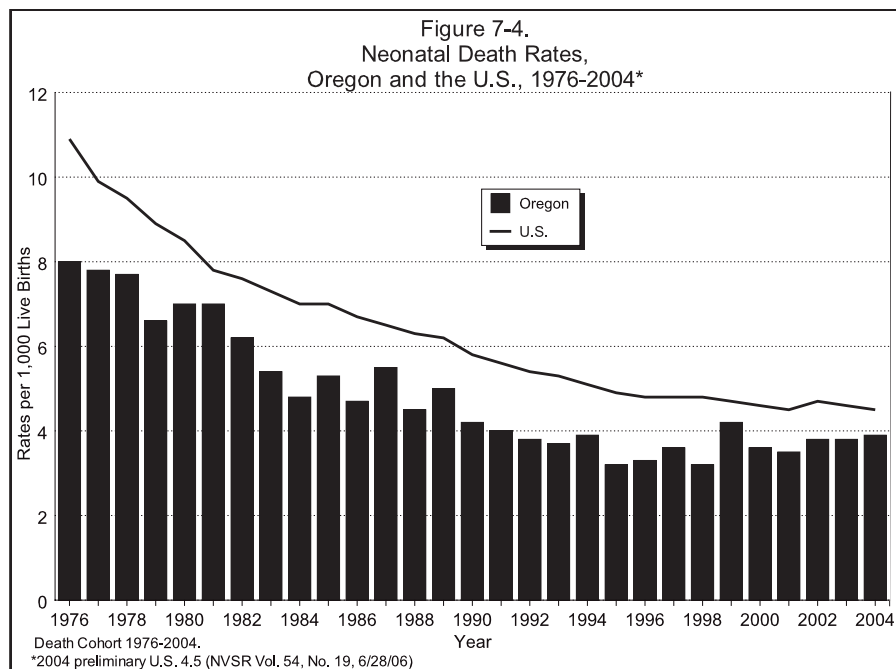
Neonatal and postneonatal death rates have been declining since 1945, when the neonatal death rate was 20.0 per 1,000 births and the postneonatal death rate was 8.0 per 1,000 births. In 2004, the neonatal death rate was 3.9 per 1,000 births and the postneonatal death rate was 1.6 per 1,000 births. [Figure 7-3, Table 7-1].

In 2004, 178 infants died during the neonatal period, nearly the same number as in 2003, 173 deaths. Oregon's neonatal death rate has consistently been below that of the U.S. [Figure 7-4] (last available data, preliminary 2004). The 2004 rate is 13.3 percent

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
1997	2	1.3	4.6
1998	8	5.6	17.7
1999	7	3.1	13.3
2000	6	3.6	13.1
2001	5	3.2	11.0
2002	4	2.3	8.9
2003	3	1.7	6.5
2004	6	3.4	13.1

- Quantity is zero.
* Percent of neonatal deaths due to RDS.
**Per 100,000 live births.





lower than the 2004 national rate of 4.5. [Tables 5-1 and 5-2]. As in previous years, congenital anomalies were responsible for more neonatal deaths (30.3%) than any other cause, followed closely by short gestation and fetal growth (24.2%), and maternal factors (18.5%). [Table 7-2]. In the last decade the number of neo-natal deaths due to Respiratory Distress Syndrome (RDS) decreased from 32 in 1989 to 6 in 2004 [see sidebar, previous page].

POSTNEONATAL DEATH

In 2004, 74 infants died during the postneonatal period, representing 29.4 percent of all infant deaths. The postneonatal death rate (1.6 per 1,000 live births) is an 11.1 percent decrease from 2003 (1.8 per 1,000). [Figure 7-3]. External causes, including accidents and assaults were the most frequent cause of death with more than one-third of postneonatal deaths (26). SIDS was the second most frequent cause of death and accounted for 24.3 percent of postneonatal deaths. [Table 7-2]. Historically, Oregon's postneonatal death rate has been higher than the U.S. rate; however, in 2004 for the sixth consecutive year the state rate was lower than that of the preliminary national postneonatal rate (2.3 per 1,000 live births in 2004).

FETAL DEATH

In 2004, there were 184 Oregon resident fetal deaths, exactly the same number of fetal deaths as in the preceding year. 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 has remained under 6.0 since 1992. [Figure 7-5].

Cause of Death

Causes of Oregon's 184 fetal deaths in 2004 are shown in Table 7-4. The most frequently reported cause of fetal death in 2004 (74 deaths) was "fetal death of unspecified cause." "Complications of the placenta, cord and membranes" was the second highest cause of death (52 deaths). Congenital anomalies was third with 19 deaths. These three causes of death represented 75 percent of all 2004 Oregon fetal deaths. "Fetal death of unspecified cause" has increased from 39 (18.4% in 1999, the first year Oregon used ICD-10 codes) to 74 (40.2%) in 2004. Frequencies of other causes were not too dissimilar from previous years.

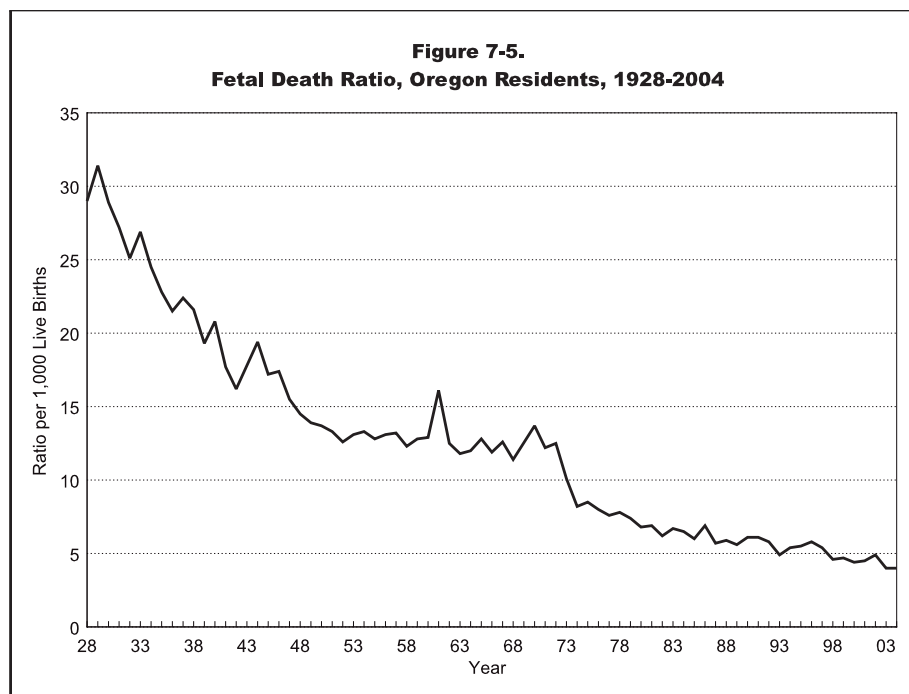
Fetal Death Ratios Per 1,000 Live Births By Mother's Age					
AGE	YEAR				
	2004	2003	2002	2001	2000
Total	4.0	4.0	4.9	4.5	4.4
15-44	4.0	4.0	4.9	4.5	4.3
15-19	4.8	4.1	4.5	5.0	5.1
20-24	4.1	4.0	5.3	3.9	3.8
25-29	2.9	3.8	3.2	4.0	4.2
30-34	4.0	3.1	5.5	4.3	4.1
35-39	5.0	5.2	6.4	6.1	5.4
40-44	8.2	7.5	7.7	10.9	6.0

USE OF THE 2003 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 2003. 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 2004 death data in the report on the 2003 birth cohort. For illustration, of the 236 deaths to infants born in 1998, 206 died in calendar year 1998 and 30 died in the calendar year 1999; only the 30 infants who died during 1999 are represented in the 1999 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 2003 may have a matched postneonatal death that occurred up to one year later, at the end of December 2004.

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. The characteristics of interest are 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

Perinatal deaths, reported in Tables 7-13 through 7-16, combine fetal deaths of specific gestation and neonatal deaths. (Please refer to Page 7-2 for definitions.) These tables present a more comprehensive picture of late gestation fetal deaths and neonatal deaths. As shown in Figure 7-6, there is a statistically significant negative correlation between fetal and neonatal deaths, although both have declined overall. While patterns among groups (race, ethnicity, age, and marital status) are similar to neonatal and postneonatal, researchers and educators may find a time period inclusive of the period shortly before and after birth useful. This information also allows comparisons with national and international data using the standard definitions.

NEONATAL DEATHS: 2001-2003 BIRTH COHORT

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 2001-2003

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

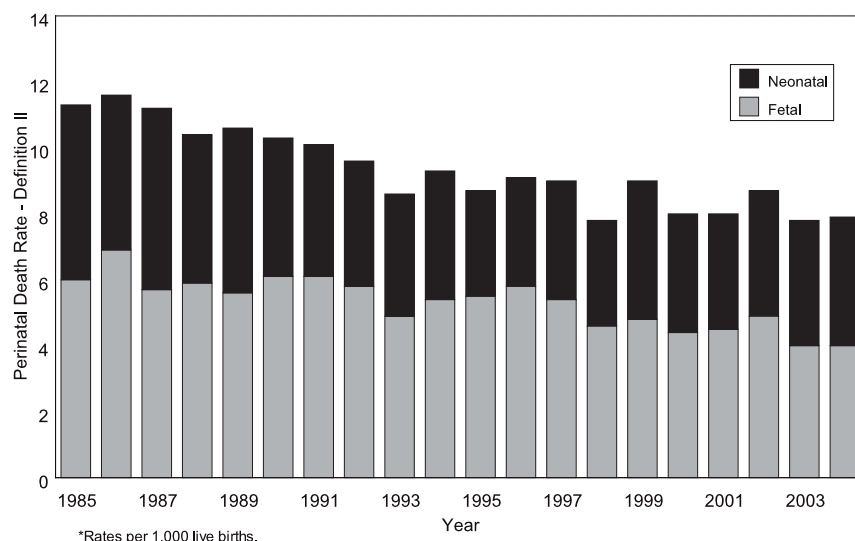
the neonatal death rate generally decreased by one-half or more for each subsequent 250 to 500-gram increase in weight for infants weighing less than 3000 grams at birth. [Table 7-12]. Nearly all the infants weighing less than 500 grams died. The death rate for infants weighing less than 500 grams was 939.6 per 1,000 live births, decreasing to 1.0 per 1,000 live births for infants weighing more than 2,500 grams. [Figure 7-7].

Many of the same behavioral, social and medical conditions associated with higher rates of infant deaths are also associated with lower birthweights. Some conditions are highly associated with one another and have confounding or mitigating effects on each other. 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.

Maternal Characteristics

Though most women reported being married at the time of birth, the neonatal death rate was statistically significantly higher for unmarried women (4.4 versus 3.3 per 1,000). [Table 7-18]. Both women with a high school diploma or GED (4.0 per 1,000) and women without a high school diploma or GED (4.1) had a statistically significantly higher neonatal death rate than women with some college (2.9). [Table 7-18]. The neonatal death rate for infants of African American mothers (4.7 per 1,000) and American Indian mothers (6.3) were higher than the neonatal death rate for infants of White Non-Hispanic mothers (3.7) and this difference was statistically significant. [Table 7-18].

Figure 7-6.
Fetal, Neonatal and Perinatal Death Definition II Rates*,
Oregon, 1985-2004



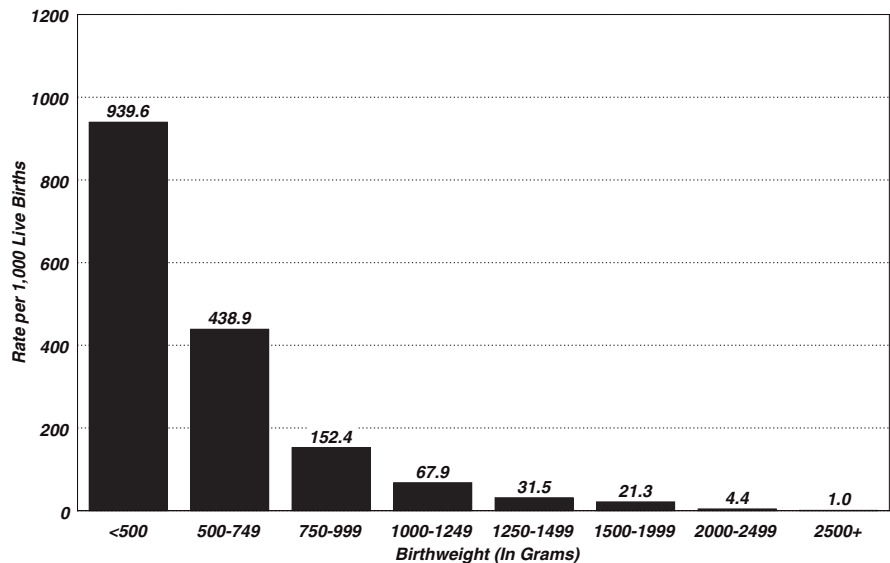
Prenatal Care

Women who received any prenatal care had a statistically significantly lower neonatal death rate than women who received no prenatal care (3.4 versus 22.7 per 1,000). Among women who received prenatal care, those who began care in the first or second trimester displayed higher death rates (3.5 per 1,000 births) than those receiving care beginning in the third trimester (2.3 per 1,000), probably due to the effect of increased gestational age. [Table 7-18].

Tobacco/Alcohol Use

Among women whose infants died during the neonatal period, 16.9 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 (5.0 versus 3.3 per 1,000). Less than two percent (1.9%) of the mothers whose infants died during the neonatal period reported using alcohol during their pregnancy. 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.

Figure 7-7.
Neonatal Death Rates by Birthweight,
Oregon Birth Cohort, 2001-2003



POSTNEONATAL DEATHS: 2001-2003 BIRTH COHORT

Higher postneonatal death rates were found among the children of mothers who were unwed, without a high school diploma or GED, or used tobacco during pregnancy. These rates were statistically significant. Although the children of non-hispanic American Indians and non-hispanic African Americans had higher rates of postneonatal mortality, neither rate was statistically significant. [Table 7-18].

REFERENCES

- 1 Prior to November 10, 1998, fetal deaths occurring at 20 weeks of gestation or more were reported. Effective November 10, 1998, the Oregon Legislature amended ORS 432.333 to read, "Each fetal death of 350 grams or more, or, if weight is unknown, of 20 completed weeks gestation or more, calculated from the date last normal menstrual period began to the date of delivery, that occurs in this state shall be reported within 5 days after delivery to the county registrar of the county in which the fetal death occurred or to the Center for Health Statistics or as otherwise directed by the Center for Health Statistics."
- 2 Hoyert DL, Heron MP, Murphy SL, Kung HC. Deaths: Final data for 2003. National Vital Statistics Reports; Vol. 54, No. 13. Hyattsville, Maryland: National Center for Health Statistics. 2006.
- 3 Miniño AM, Heron M, Smith BL. Deaths: Preliminary data for 2004. Health E-Stats. Released April 19, 2006.

TABLE 7-1. Infant Deaths by Age and County of Residence, Oregon, 2004

County of Residence	Total Infant Deaths ¹	Infant Death Rate ²	Neonatal Deaths ³ (Age <28 Days)				Neonatal Rate ²	Post-Neonatal Deaths ⁴	Post-Neonatal Rate ²
			Total Neonatal	Under 1 Day	1-6 Days	7-27 Days			
Total	252	5.5	178	107	28	43	3.9	74	1.6
Baker	2	13.2	1	1	—	—	6.6	1	6.6
Benton	2	2.7	1	1	—	—	1.3	1	1.3
Clackamas	17	4.1	12	7	3	2	2.9	5	1.2
Clatsop	2	5.0	2	—	1	1	5.0	—	—
Columbia	2	4.2	1	1	—	—	2.1	1	2.1
Coos	4	6.3	3	3	—	—	4.7	1	1.6
Crook	—	—	—	—	—	—	—	—	—
Curry	2	12.8	1	1	—	—	6.4	1	6.4
Deschutes	10	6.0	7	3	1	3	4.2	3	1.8
Douglas	6	5.4	3	1	2	—	2.7	3	2.7
Gilliam	—	—	—	—	—	—	—	—	—
Grant	1	14.5	1	—	—	1	14.5	—	—
Harney	1	13.2	1	1	—	—	13.2	—	—
Hood River	4	12.8	3	—	1	2	9.6	1	3.2
Jackson	13	6.1	7	3	2	2	3.3	6	2.8
Jefferson	1	3.2	1	—	1	—	3.2	—	—
Josephine	5	6.2	3	3	—	—	3.8	2	2.5
Klamath	5	6.8	4	2	—	2	5.4	1	1.4
Lake	1	17.5	—	—	—	—	—	1	17.5
Lane	18	5.2	14	11	3	—	4.0	4	1.1
Lincoln	5	10.8	5	3	—	2	10.8	—	—
Linn	8	5.7	8	4	1	3	5.7	—	—
Malheur	2	4.4	1	—	—	1	2.2	1	2.2
Marion	22	4.7	13	10	1	2	2.8	9	1.9
Morrow	1	5.6	1	1	—	—	5.6	—	—
Multnomah	54	5.8	39	21	8	10	4.2	15	1.6
Polk	10	12.1	5	3	1	1	6.1	5	6.1
Sherman	—	—	—	—	—	—	—	—	—
Tillamook	—	—	—	—	—	—	—	—	—
Umatilla	4	3.7	3	3	—	—	2.8	1	0.9
Union	—	—	—	—	—	—	—	—	—
Wallowa	—	—	—	—	—	—	—	—	—
Wasco	4	15.1	4	1	1	2	15.1	—	—
Washington	43	5.6	32	21	2	9	4.2	11	1.4
Wheeler	—	—	—	—	—	—	—	—	—
Yamhill	3	2.6	2	2	—	—	1.7	1	0.9

— Quantity is zero.

¹ Infant death is the death of a child prior to its first birthday.

² Rates per 1,000 live births. Rates based on less than 5 events are unreliable.

³ Neonatal deaths occur during the first 27 days of life.

⁴ Postneonatal deaths occur from day 28 through 364 after birth.

TABLE 7-2. Infant Deaths by Cause and Age, Oregon Residents, Death Cohort 2004

Selected Causes of Death (and their ICD-10 codes)	Total Infant Deaths ¹	Neonatal Deaths ²				Post- Neonatal Deaths ³
		Under 1 Day	1-6 Days	7-27 Days	Total Neonatal	
Total	252	107	28	43	178	74
Rate ⁴	5.5	2.3	0.6	0.9	3.9	1.6
Infections & parasitic disease (A00-B99)	2	—	—	—	—	2
Malignant neoplasms (C00-C97)	1	—	—	1	1	—
Diseases of the Blood, Blood-Forming Organs & Disorders Involving the Immune Mechanism (D50-D89)	2	—	—	—	—	2
Diseases of the Nervous System (G00-G99)	1	—	—	—	—	1
Diseases of the Circulatory System (I00-I99)	12	1	2	3	6	6
Diseases of the heart (I00-I09, I11, I13, I20-I51)	10	1	2	3	6	4
Diseases of the Respiratory System (J00-J99)	3	—	—	—	—	3
Diseases of the Genitourinary System (N00-N99) ..	1	—	—	1	1	—
Certain Conditions Originating in the Perinatal Period (P00-P96)	112	75	12	20	107	5
Fetus & newborn affected by maternal factors (P00-P04)	33	27	4	2	33	—
Gestation & fetal growth (P05-P08)	43	41	—	2	43	—
Intrauterine hypoxia & asphyxia (P20-P21)	4	2	1	1	4	—
Respiratory Distress (P22)	6	1	2	3	6	—
Bacterial sepsis of newborn (P36)	6	1	1	4	6	—
Haemorrhagic disorders of newborn (P50-P61)	4	—	2	1	3	1
Congenital Malformations, Deformations & Chromosomal Abnormalities (Q00-Q99)	64	30	13	11	54	10
Anencephaly (Q000)	3	2	1	—	3	—
Congenital hydrocephalus & spina bifida (Q03, Q05)	1	—	1	—	1	—
Malformation of the heart (Q20-Q24)	17	4	2	5	11	6
Down's syndrome & other chromosomal (Q90-Q99)	7	4	1	1	6	1
Symptoms, Signs Not Elsewhere Classified (R00-R99)	20	—	—	1	1	19
Sudden infant death syndrome (R95)	19	—	—	1	1	18
Other ill-defined and unspecified causes (R99)	1	—	—	—	—	1
External Causes of Death (V01-Y89)	34	1	1	6	8	26
Accidents (V01-X59, Y85-Y86)	20	—	—	3	3	17
Transport accidents (V01-V99, Y85)	2	—	—	—	—	2
Nontransport accidents (W00-X59, Y86)	18	—	—	3	3	15
Falls (W00-W19)	1	—	—	—	—	1
Accidental suffocation and strangulation in bed (W75)	12	—	—	3	3	9
Assault (homicide) (X85-Y09, Y87.1)	3	—	—	—	—	3
Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	11	1	1	3	5	6
Hanging, strangulation and suffocation, undetermined intent (Y20)	8	—	1	2	3	5

— Quantity is zero.

¹ Infant death is the death of a child prior to its first birthday.

⁴ Rates per 1,000 live births.

² Neonatal deaths occur during the first 27 days of live.

³ Postneonatal deaths occur from day 28 through 364 after birth.

**TABLE 7-3. Fetal Deaths by Age of Mother and County of Residence,
Oregon, 2004**

County of Residence	Total	Age of Mother								
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
Total	184	1	19	48	38	43	25	9	—	1
Ratio to Births ¹ ...	4.0	*	4.8	4.1	2.9	4.0	5.0	8.2	—	*
Baker	2	—	1	—	1	—	—	—	—	—
Benton	3	—	—	1	1	1	—	—	—	—
Clackamas	11	—	1	4	1	1	3	—	—	1
Clatsop	1	—	—	1	—	—	—	—	—	—
Columbia	1	—	—	1	—	—	—	—	—	—
Coos	3	—	1	1	—	—	—	1	—	—
Crook	1	—	—	1	—	—	—	—	—	—
Curry	—	—	—	—	—	—	—	—	—	—
Deschutes	2	—	—	1	—	—	1	—	—	—
Douglas	4	—	—	1	2	1	—	—	—	—
Gilliam	—	—	—	—	—	—	—	—	—	—
Grant	—	—	—	—	—	—	—	—	—	—
Harney	—	—	—	—	—	—	—	—	—	—
Hood River	—	—	—	—	—	—	—	—	—	—
Jackson	10	—	3	1	1	3	1	1	—	—
Jefferson	3	—	1	1	1	—	—	—	—	—
Josephine	3	—	—	1	1	—	1	—	—	—
Klamath	3	—	1	1	—	1	—	—	—	—
Lake	1	—	—	—	1	—	—	—	—	—
Lane	14	—	1	6	2	1	2	2	—	—
Lincoln	2	—	—	1	1	—	—	—	—	—
Linn	5	—	2	1	—	1	1	—	—	—
Malheur	3	—	—	2	1	—	—	—	—	—
Marion	21	—	2	5	6	4	3	1	—	—
Morrow	1	—	—	1	—	—	—	—	—	—
Multnomah	42	—	3	9	9	16	5	—	—	—
Polk	—	—	—	—	—	—	—	—	—	—
Sherman	1	—	—	1	—	—	—	—	—	—
Tillamook	2	—	1	—	1	—	—	—	—	—
Umatilla	4	—	1	2	1	—	—	—	—	—
Union	2	—	—	—	1	1	—	—	—	—
Wallowa	1	—	—	—	—	—	1	—	—	—
Wasco	—	—	—	—	—	—	—	—	—	—
Washington	32	1	1	3	5	11	7	4	—	—
Wheeler	—	—	—	—	—	—	—	—	—	—
Yamhill	6	—	—	2	2	2	—	—	—	—

— Quantity is zero.

¹ All ratios per 1,000 live births.

* Ratios are not calculated for fewer than five events.

TABLE 7-4. Fetal Deaths by Weeks of Gestation and Cause of Death, Oregon, 2004

Selected Causes of Death (and their ICD-10 codes)	Total	Weeks of Gestation								
		<20	20-23	24-27	28-31	32-35	36	37-39	40	41+
Total	184	1	30	31	24	27	13	42	5	11
Certain conditions originating in the perinatal period (P00-P96)	164	1	28	26	21	23	10	39	5	11
Due to maternal conditions unrelated to present pregnancy (P00)	5	—	—	3	—	—	—	2	—	—
Due to maternal complications of pregnancy (P01)	14	1	8	1	2	—	1	—	1	—
Due to complications of placenta, cord and membranes (P02) ..	52	—	4	4	7	8	4	16	2	7
Due to other complications of labor and delivery (P03)	2	—	1	—	—	—	—	—	—	1
Due to noxious influences transmitted via placenta (P04)	1	—	1	—	—	—	—	—	—	—
Slow fetal growth and fetal malnutrition (P05)	3	—	—	—	1	1	—	—	—	1
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	3	—	1	2	—	—	—	—	—	—
Intrauterine hypoxia and birth asphyxia (P20-P21)	3	—	1	—	—	—	—	2	—	—
Transitory endocrine and metabolic disorders specific to fetus (P70-P74)	3	—	—	—	1	1	—	1	—	—
Other conditions originating in the perinatal period (P80-P96) ...	76	—	12	16	10	13	5	18	1	1
Fetal death of unspecified cause (P95)	74	—	11	15	10	13	5	18	1	1
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	19	—	2	5	2	4	3	3	—	—
Of the nervous system (Q00-Q07)	4	—	—	—	—	3	—	1	—	—
Anencephaly and similar malformations (Q00)	3	—	—	—	—	2	—	1	—	—
Encephalocele (Q01)	1	—	—	—	—	1	—	—	—	—
Of the heart (Q20-Q24)	3	—	—	1	1	—	—	1	—	—
Of musculoskeletal system, limbs and integument (Q65-Q85) ..	1	—	—	1	—	—	—	—	—	—
Other congenital malformations (Q86-Q89)	5	—	2	1	—	1	1	—	—	—
Chromosomal abnormalities, not elsewhere classified (Q90-Q99)	6	—	—	2	1	—	2	1	—	—
Edward's syndrome (Q91.0-Q91.3)	3	—	—	1	—	—	1	1	—	—
Patau's syndrome (Q91.4-Q91.7)	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 7-5. Fetal Deaths by Weeks of Gestation and Age of Mother, Oregon, 2004

Age of Mother	Total	Weeks of Gestation									
		<20	20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total	184	1	30	31	24	27	13	42	5	11	—
<15	1	—	1	—	—	—	—	—	—	—	—
15-19	19	1	4	2	2	5	2	3	—	—	—
20-24	48	—	8	6	6	12	—	9	1	6	—
25-29	38	—	5	10	3	2	—	14	1	3	—
30-34	43	—	8	7	8	3	5	10	1	1	—
35-39	25	—	3	5	4	4	2	4	2	1	—
40-44	9	—	1	—	1	1	4	2	—	—	—
45+	—	—	—	—	—	—	—	—	—	—	—
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.

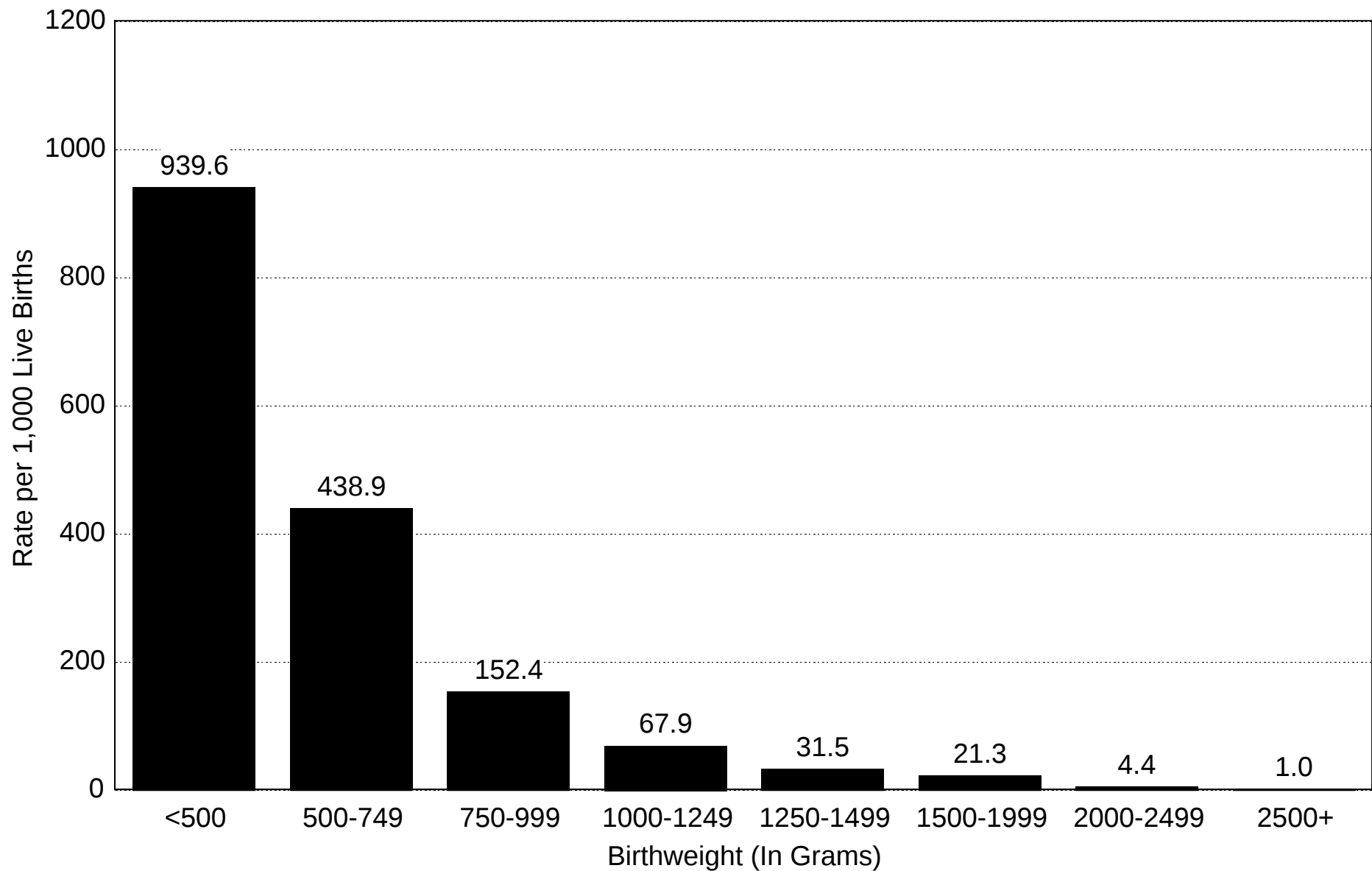
TABLE 7-6. Births by Weeks of Gestation and Weight, Oregon Residents, 2003

Birthweight (In Grams)	Total	Weeks of Gestation									
		<20	20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total	45,935	5	65	142	317	1,692	1,625	23,527	12,941	5,547	74
349 and less	20	3	17	—	—	—	—	—	—	—	—
350-499	33	1	28	4	—	—	—	—	—	—	—
499 and less	53	4	45	4	—	—	—	—	—	—	—
500-749	66	—	18	38	8	1	—	—	1	—	—
750-999	94	1	1	69	19	1	—	2	1	—	—
1000-1249	103	—	—	25	61	15	1	—	1	—	—
1250-1499	150	—	—	4	88	50	4	3	1	—	—
1500-1999	570	—	—	1	110	360	46	45	4	3	1
2000-2499	1,786	—	—	—	19	679	352	664	50	19	3
<2500	2,822	5	64	141	305	1,106	403	714	58	22	4
2500-2999	6,554	—	—	—	4	427	687	4,246	952	233	5
3000-3499	16,936	—	—	—	2	126	428	10,080	4,695	1,577	28
3500-3999	14,341	—	—	—	5	28	88	6,587	5,238	2,369	26
4000-4499	4,385	—	—	—	1	5	13	1,584	1,695	1,078	9
4500+	891	—	—	—	—	—	5	314	302	268	2
Unknown	6	—	1	1	—	—	1	2	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.

Figure 7-7.
Neonatal Death Rates by Birthweight,
Oregon Birth Cohort, 2001-2003



**TABLE 7-8. Early Neonatal Deaths¹ by Weeks of Gestation and Weight
Oregon Residents, Birth Cohort 2003**

Birthweight (In Grams)	Total	Weeks of Gestation								
		<20	20-23	24-27	28-31	32-35	36	37-39	40	41+
Total	130	6	54	19	11	14	5	13	4	4
001-349	19	4	14	1	—	—	—	—	—	—
350-499	30	2	23	3	2	—	—	—	—	—
<500	49	6	37	4	2	—	—	—	—	—
500-749	25	—	15	7	3	—	—	—	—	—
750-999	9	—	1	6	—	2	—	—	—	—
1000-1249	5	—	—	1	1	2	—	—	—	1
1250-1499	3	—	—	1	1	1	—	—	—	—
1500-1999	10	—	—	—	2	7	1	—	—	—
2000-2499	7	—	—	—	1	1	2	3	—	—
<2500	108	6	53	19	10	13	3	3	—	1
2500-2999	11	—	—	—	1	1	1	5	2	1
3000-3499	3	—	—	—	—	—	—	3	—	—
3500-3999	6	—	—	—	—	—	1	2	2	1
4000-4499	1	—	—	—	—	—	—	—	—	1
4500+	—	—	—	—	—	—	—	—	—	—

— Quantity is zero.

¹ Early neonatal death is defined as less than 7 days old.

NOTE: Calculated gestation from reported date of last menses. If calculated gestation is unknown, the clinical estimate of gestation is used. Total includes reports with unknown birthweight and/or gestation.

**TABLE 7-9. Late Neonatal Deaths by Weeks of Gestation and Weight,
Oregon Residents, Birth Cohort 2003**

Birthweight (In Grams)	Total	Weeks of Gestation								
		<20	20-23	24-27	28-31	32-35	36	37-39	40	41+
Total	41	—	1	7	7	3	—	13	7	3
001-349	—	—	—	—	—	—	—	—	—	—
350-499	2	—	—	1	1	—	—	—	—	—
<500	2	—	—	1	1	—	—	—	—	—
500-749	3	—	—	2	1	—	—	—	—	—
750-999	6	—	1	3	2	—	—	—	—	—
1000-1249	3	—	—	1	1	1	—	—	—	—
1250-1499	3	—	—	—	2	1	—	—	—	—
1500-1999	2	—	—	—	—	1	—	1	—	—
2000-2499	4	—	—	—	—	—	—	4	—	—
<2500	23	—	1	7	7	3	—	5	—	—
2500-2999	2	—	—	—	—	—	—	2	—	—
3000-3499	9	—	—	—	—	—	—	3	5	1
3500-3999	4	—	—	—	—	—	—	3	1	—
4000-4499	—	—	—	—	—	—	—	—	—	—
4500-4999	2	—	—	—	—	—	—	—	1	1

— Quantity is zero.

Late neonatal death is defined as death at 7 to 27 days old.

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

**TABLE 7-10. Postneonatal Deaths by Weeks of Gestation and Weight,
Oregon Residents, Birth Cohort 2003**

Birthweight (In Grams)	Total	Weeks of Gestation									
		<20	20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total	80	—	—	3	5	8	4	28	18	14	—
001-349	—	—	—	—	—	—	—	—	—	—	—
350-499	—	—	—	—	—	—	—	—	—	—	—
<500	—	—	—	—	—	—	—	—	—	—	—
500-749	1	—	—	1	—	—	—	—	—	—	—
750-999	2	—	—	2	—	—	—	—	—	—	—
1000-1249	1	—	—	—	1	—	—	—	—	—	—
1250-1499	3	—	—	—	2	1	—	—	—	—	—
1500-1999	7	—	—	—	2	4	—	1	—	—	—
2000-2499	4	—	—	—	—	1	1	2	—	—	—
<2500	18	—	—	3	5	6	1	3	—	—	—
2500-2999	19	—	—	—	—	2	2	10	4	1	—
3000-3499	23	—	—	—	—	—	1	10	6	6	—
3500-3999	14	—	—	—	—	—	—	4	4	6	—
4000-4499	5	—	—	—	—	—	—	1	4	—	—
4500-4999	—	—	—	—	—	—	—	—	—	—	—
Unknown	1	—	—	—	—	—	—	—	—	1	—

— Quantity is zero.

Postneonatal deaths occur from day 28 through 364 after birth.

NOTE: Calculated gestation 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 2003**

Birthweight (In Grams)	Deaths	Rate ¹
Total	171	3.7
001-349	19	950.0
350-499	32	969.7
<500	51	962.3
500-749	28	424.2
750-999	15	159.6
1000-1249	8	77.7
1250-1499	6	40.0
1500-1999	12	21.1
2000-2499	11	6.2
<2500	131	46.4
2500-2999	13	2.0
3000-3499	12	0.7
3500-3999	10	0.7
4000-4499	1	—
4500-4999	2	—
2500+	38	0.9
Unknown	2	—

— Quantity is zero or rate is based on less than five events.
¹ Rate per 1,000 live births.

**TABLE 7-12. Neonatal Deaths by
Birthweight, Oregon Residents,
Birth Cohort 2001-2003**

Birthweight (In Grams)	Deaths	Rate ¹
Total	497	3.6
001-349	60	967.7
350-499	80	919.5
<500	140	939.6
500-749	97	438.9
750-999	41	152.4
1000-1249	22	67.9
1250-1499	13	31.5
1500-1999	34	21.3
2000-2499	22	4.4
<2500	369	46.4
2500-2999	37	2.0
3000-3499	45	0.9
3500-3999	27	0.6
4000-4499	9	0.7
4500-4999	5	1.9
2500+	123	1.0
Unknown	5	454.5

¹ Rate per 1,000 live births.

**Table 7-13. Perinatal Death Rates by County of Residence,
Oregon Residents, Birth Cohort 2003**

County of Residence	Perinatal I ¹			Perinatal II ²			Neonatal ³	
	No.	Rate	Ratio	No.	Rate	Ratio	No.	Rate
Total	257	5.6	5.6	350	7.6	7.6	171	3.7
Baker	3	—	—	3	—	—	3	—
Benton	4	—	—	5	6.5	6.5	4	—
Clackamas	23	5.7	5.7	29	7.2	7.2	12	3.0
Clatsop	3	—	—	5	13.5	13.6	1	—
Columbia	3	—	—	4	—	—	2	—
Coos	5	7.9	7.9	7	11.0	11.1	3	—
Crook	—	—	—	—	—	—	—	—
Curry	—	—	—	—	—	—	—	—
Deschutes	9	5.7	5.7	12	7.6	7.6	8	5.1
Douglas	9	8.1	8.1	9	8.1	8.1	5	4.5
Gilliam	—	—	—	—	—	—	—	—
Grant	1	—	—	1	—	—	1	—
Harney	2	—	—	2	—	—	2	—
Hood River	1	—	—	1	—	—	—	—
Jackson	12	5.6	5.6	17	7.9	8.0	8	3.7
Jefferson	2	—	—	3	—	—	1	—
Josephine	7	8.7	8.7	11	13.6	13.7	4	—
Klamath	9	10.7	10.8	11	13.0	13.2	4	—
Lake	1	—	—	1	—	—	1	—
Lane	25	6.6	6.7	30	8.0	8.0	17	4.5
Lincoln	1	—	—	2	—	—	—	—
Linn	7	5.1	5.2	12	8.8	8.8	7	5.2
Malheur	7	15.3	15.4	11	23.9	24.2	6	13.2
Marion	27	5.8	5.8	39	8.4	8.4	18	3.9
Morrow	4	—	—	5	26.3	26.9	1	—
Multnomah	37	4.0	4.0	54	5.8	5.8	29	3.1
Polk	2	—	—	4	—	—	2	—
Sherman	—	—	—	—	—	—	—	—
Tillamook	1	—	—	1	—	—	—	—
Umatilla	8	7.1	7.1	11	9.8	9.8	6	5.4
Union	1	—	—	1	—	—	—	—
Wallowa	—	—	—	—	—	—	—	—
Wasco	2	—	—	4	—	—	3	—
Washington	37	4.8	4.8	49	6.4	6.4	19	2.5
Wheeler	—	—	—	—	—	—	—	—
Yamhill	4	—	—	6	5.1	5.1	4	—
Not Stated	—	—	—	—	—	—	—	—

— Quantity is zero or rate/ratio is based on fewer than five occurrences.

¹ Perinatal Definition I 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 include infant deaths of less than 28 days.

Perinatal I and Perinatal II ratios and Neonatal rates are per 1,000 births. Perinatal I rates include all live births and fetal deaths at 28 weeks gestation or more. Perinatal II rates include all live births and fetal deaths at 20 weeks of gestation or more.

**TABLE 7-14. Perinatal Death Rates by County of Residence,
Oregon Residents, Birth Cohort 2001-2003**

County of Residence	Perinatal I ¹			Perinatal II ²			Neonatal ³	
	No.	Rate	Ratio	No.	Rate	Ratio	No.	Rate
Total	786	5.7	5.8	1,093	8.0	8.0	497	3.6
Baker	4	—	—	4	—	—	3	—
Benton	10	4.2	4.2	13	5.5	5.5	5	2.1
Clackamas	60	4.9	4.9	77	6.3	6.3	32	2.6
Clatsop	10	8.4	8.5	13	11.0	11.0	5	4.2
Columbia	8	5.1	5.1	12	7.6	7.6	4	—
Coos	13	7.0	7.1	18	9.7	9.8	6	3.3
Crook	5	7.2	7.2	8	11.5	11.6	3	—
Curry	2	—	—	3	—	—	2	—
Deschutes	27	5.9	5.9	34	7.5	7.5	19	4.2
Douglas	27	8.3	8.4	35	10.8	10.8	21	6.5
Gilliam	—	—	—	—	—	—	—	—
Grant	3	—	—	3	—	—	3	—
Harney	2	—	—	3	—	—	2	—
Hood River	3	—	—	4	—	—	2	—
Jackson	45	7.0	7.0	62	9.7	9.7	31	4.9
Jefferson	7	7.5	7.6	9	9.7	9.7	5	5.4
Josephine	18	7.8	7.9	27	11.7	11.8	10	4.4
Klamath	21	8.6	8.7	27	11.1	11.2	10	4.1
Lake	2	—	—	3	—	—	2	—
Lane	70	6.4	6.5	88	8.1	8.1	48	4.4
Lincoln	3	—	—	7	5.5	5.5	4	—
Linn	18	4.4	4.4	31	7.5	7.6	15	3.7
Malheur	17	12.0	12.1	23	16.2	16.3	11	7.8
Marion	85	6.2	6.2	118	8.6	8.7	49	3.6
Morrow	7	13.3	13.4	9	17.1	17.3	4	—
Multnomah	150	5.4	5.4	219	7.8	7.8	86	3.1
Polk	6	2.6	2.6	13	5.6	5.7	10	4.4
Sherman	—	—	—	—	—	—	—	—
Tillamook	1	—	—	2	—	—	—	—
Umatilla	14	4.3	4.3	20	6.2	6.2	10	3.1
Union	3	—	—	6	6.5	6.5	2	—
Wallowa	—	—	—	—	—	—	—	—
Wasco	4	—	—	8	9.5	9.5	4	—
Washington	118	5.2	5.2	163	7.1	7.2	72	3.2
Wheeler	—	—	—	—	—	—	—	—
Yamhill	23	6.5	6.5	31	8.7	8.7	17	4.8
Not Stated	—	—	—	—	—	—	—	—

— Quantity is zero or rate/ratio is based on fewer than five occurrences.

¹ Perinatal Definition I 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 include infant deaths of less than 28 days.

Perinatal I and Perinatal II ratios and Neonatal rates are per 1,000 births. Perinatal I rates include all live births and fetal deaths at 28 weeks gestation or more. Perinatal II rates include all live births and fetal deaths at 20 weeks of gestation or more.

**TABLE 7-15. Perinatal Death Rates by Mother's Risk Factors,
Oregon Residents, Birth Cohort 2003**

Risk Factor	Perinatal I ¹			Perinatal II ²			Neonatal ³	
	No.	Rate	Ratio	No.	Rate	Ratio	No.	Rate
Total	257	5.6	5.6	350	7.6	7.6	171	3.7
Marital Status								
Married	160	5.1	5.1	219	7.0	7.0	104	3.3
Unmarried	97	6.6	6.7	131	9.0	9.0	67	4.6
Mother's Age								
10-14	1	—	—	1	—	—	—	—
15-19	29	7.0	7.0	35	8.5	8.5	21	5.1
20-24	67	5.6	5.6	96	8.0	8.1	49	4.1
25-29	66	5.1	5.1	93	7.1	7.1	44	3.4
30-34	55	5.1	5.1	71	6.5	6.5	37	3.4
35-39	30	6.2	6.2	42	8.6	8.7	17	3.5
40-44	9	8.4	8.4	11	10.2	10.3	3	—
45+	—	—	—	—	—	—	0	—
Non-Hispanic								
White	172	5.2	5.2	231	7.0	7.0	116	3.5
African American	4	—	—	7	7.2	7.2	6	6.1
American Indian	10	14.0	14.2	14	19.6	19.8	6	8.5
Asian ⁴	16	6.6	6.6	21	8.6	8.7	8	3.3
Total Hispanic	52	6.1	6.2	74	8.7	8.8	33	3.9
Mother's Education								
8 th Grade or Less	19	6.8	6.8	29	10.4	10.5	18	6.5
Some High School	42	6.7	6.7	52	8.3	8.3	28	4.5
HS diploma/GED	71	4.9	4.9	105	7.3	7.3	64	4.5
More than High School	103	4.7	4.7	130	6.0	6.0	53	2.4
Start of Prenatal Care								
1 st Trimester	194	5.2	5.2	258	6.9	6.9	132	3.5
2 nd Trimester	37	5.4	5.4	48	7.0	7.0	20	2.9
3 rd Trimester	6	4.6	4.6	7	5.3	5.3	3	—
No Care	20	34.2	34.7	37	61.9	64.1	16	27.7
Tobacco Use								
Yes	38	7.0	7.0	53	9.7	9.7	31	5.7
No	203	5.1	5.1	276	6.9	6.9	126	3.1
Alcohol Use								
Yes	4	—	—	9	12.7	12.8	4	—
No	235	5.3	5.3	318	7.2	7.2	152	3.4
Multiple Birth								
Yes	44	29.4	29.7	52	34.7	35.1	34	22.9
No	213	4.8	4.8	298	6.7	6.7	137	3.1

— Quantity is zero or rate/ratio is based on fewer than five occurrences.

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

¹ Perinatal Definition I 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 include infant deaths of less than 28 days.

⁴ Includes Chinese, Japanese, Filipino, and Other Asian & Pacific Islander.

Perinatal I and Perinatal II ratios and Neonatal rates are per 1,000 births. Perinatal I rates include all live births and fetal deaths at 28 weeks gestation or more. Perinatal II rates include all live births and fetal deaths at 20 weeks of gestation or more.

**TABLE 7-16. Perinatal Death Rates by Mother's Risk Factors,
Oregon Residents, Birth Cohort 2001-2003**

Risk Factor	Perinatal I ¹			Perinatal II ²			Neonatal ³	
	No.	Rate	Ratio	No.	Rate	Ratio	No.	Rate
Total	786	5.7	5.8	1,093	8.0	8.0	497	3.6
Marital Status								
Married	504	5.3	5.4	697	7.4	7.4	311	3.3
Unmarried	282	6.7	6.7	396	9.3	9.4	186	4.4
Mother's Age								
10-14	1	—	—	1	—	—	0	—
15-19	81	6.1	6.1	113	8.4	8.5	57	4.3
20-24	209	5.8	5.8	296	8.2	8.2	137	3.8
25-29	197	5.2	5.2	264	6.9	6.9	127	3.3
30-34	162	5.2	5.2	231	7.4	7.4	100	3.2
35-39	108	7.6	7.6	145	10.2	10.3	62	4.4
40-44	25	8.0	8.0	37	11.8	11.9	11	3.5
45+	2	—	—	4	—	—	2	—
Non-Hispanic								
White	562	5.6	5.7	785	7.9	7.9	364	3.7
African American	19	6.8	6.8	31	11.1	11.2	13	4.7
American Indian	21	10.1	10.1	31	14.8	15.0	13	6.3
Asian ⁴	36	5.2	5.2	51	7.3	7.3	22	3.2
Total Hispanic	142	5.8	5.8	189	7.7	7.8	81	3.3
Mother's Education								
8 th Grade or Less	51	5.8	5.8	74	8.4	8.4	33	3.7
Some High School	124	6.6	6.7	162	8.7	8.7	79	4.2
HS diploma/GED	243	5.7	5.7	358	8.4	8.4	172	4.0
More than High School	311	4.8	4.8	417	6.4	6.5	187	2.9
Start of Prenatal Care								
1 st Trimester	598	5.4	5.4	836	7.5	7.5	393	3.5
2 nd Trimester	118	5.8	5.9	154	7.6	7.7	62	3.1
3 rd Trimester	18	4.6	4.6	25	6.4	6.4	9	2.3
No Care	52	35.3	35.8	78	52.1	53.7	33	22.7
Tobacco Use								
Yes	132	7.8	7.8	191	11.3	11.4	84	5.0
No	615	5.2	5.2	856	7.2	7.2	387	3.3
Alcohol Use								
Yes	14	8.1	8.1	24	13.8	13.9	9	5.2
No	728	5.5	5.5	1,018	7.7	7.7	460	3.5
Multiple Birth								
Yes	103	25.0	25.2	134	32.4	32.7	87	21.3
No	683	5.1	5.2	959	7.2	7.2	410	3.1

— Quantity is zero or rate/ratio is based on fewer than five occurrences.

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

¹ Perinatal Definition I 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 include infant deaths of less than 28 days.

⁴ Includes Chinese, Japanese, Filipino, and Other Asian & Pacific Islander.

Perinatal I and Perinatal II ratios and Neonatal rates are per 1,000 births. Perinatal I rates include all live births and fetal deaths at 28 weeks gestation or more. Perinatal II rates include all live births and fetal deaths at 20 weeks of gestation or more.

**TABLE 7-17. Neonatal, Postneonatal, and Infant Death Rates by
Mother's Risk Factors, Oregon Residents, Birth Cohort 2003**

Risk Factor	Neonatal ¹		Post- Neonatal ²		Infant ³	
	No.	Rate	No.	Rate	No.	Rate
Total	171	3.7	80	1.7	251	5.5
Marital Status						
Married	104	3.3	32	1.0	136	4.3
Unmarried	67	4.6	48	3.3	115	7.9
Mother's Age						
10-14	—	—	—	—	—	—
15-19	21	5.1	19	4.6	40	9.7
20-24	49	4.1	30	2.5	79	6.6
25-29	44	3.4	10	0.8	54	4.1
30-34	37	3.4	14	1.3	51	4.7
35-39	17	3.5	4	—	21	4.3
40-44	3	—	3	—	6	5.6
45+	—	—	—	—	—	—
Non-Hispanic						
White	116	3.5	55	1.7	171	5.2
African American	6	6.1	3	—	9	9.2
American Indian	6	8.5	8	11.3	14	19.8
Asian ⁴	8	3.3	3	—	11	4.5
Total Hispanic	33	3.9	11	1.3	44	5.2
Mother's Education						
8 th Grade or Less	18	6.5	4	—	22	7.9
Some High School	28	4.5	21	3.3	49	7.8
HS diploma/GED	64	4.5	33	2.3	97	6.8
More than High School	53	2.4	20	0.9	73	3.4
Start of Prenatal Care						
1 st Trimester	132	3.5	63	1.7	195	5.2
2 nd Trimester	20	2.9	13	1.9	33	4.8
3 rd Trimester	3	—	3	—	6	4.6
No Care	16	27.7	1	—	17	29.5
Tobacco Use						
Yes	31	5.7	23	4.2	54	9.9
No	126	3.1	57	1.4	183	4.6
Alcohol Use						
Yes	4	—	4	—	8	11.4
No	152	3.4	76	1.7	228	5.2
Multiple Birth						
Yes	34	22.9	6	4.0	40	27.0
No	137	3.1	74	1.7	211	4.7

— Quantity is zero or rate is based on fewer than five occurrences.

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

All rates per 1,000 live births.

¹ Neonatal deaths include infant deaths of less than 28 days.

² Postneonatal deaths occur from day 28 through 364 after birth.

³ Infant death is the death of a child prior to its first birthday.

⁴ Includes Chinese, Japanese, Filipino, and Other Asian & Pacific Islander.

TABLE 7-18. Neonatal, Postneonatal, and Infant Death Rates by Mother's Risk Factors, Oregon Residents, Birth Cohort 2001-2003

Risk Factor	Neonatal ¹		Post-Neonatal ²		Infant ³	
	No.	Rate	No.	Rate	No.	Rate
Total	497	3.6	242	1.8	739	5.4
Marital Status						
Married	311	3.3	105	1.1	416	4.4
Unmarried	186	4.4	137	3.2	323	7.6
Mother's Age						
10-14	—	—	—	—	—	—
15-19	57	4.3	54	4.0	111	8.3
20-24	137	3.8	79	2.2	216	6.0
25-29	127	3.3	48	1.3	175	4.6
30-34	100	3.2	36	1.2	136	4.4
35-39	62	4.4	21	1.5	83	5.9
40-44	11	3.5	4	—	15	4.8
45+	2	—	—	—	2	—
Non-Hispanic						
White	364	3.7	172	1.7	536	5.4
African American	13	4.7	14	5.0	27	9.7
American Indian	13	6.3	10	4.8	23	11.1
Asian ⁴	22	3.2	11	1.6	33	4.7
Total Hispanic	81	3.3	33	1.4	114	4.7
Mother's Education						
8 th Grade or Less	33	3.7	12	1.4	45	5.1
Some High School	79	4.2	71	3.8	150	8.1
HS diploma/GED	172	4.0	82	1.9	254	6.0
More than High School	187	2.9	70	1.1	257	4.0
Start of Prenatal Care						
1 st Trimester	393	3.5	175	1.6	568	5.1
2 nd Trimester	62	3.1	43	2.1	105	5.2
3 rd Trimester	9	2.3	18	4.6	27	6.9
No Care	33	22.7	6	4.1	39	26.9
Tobacco Use						
Yes	84	5.0	67	4.0	151	9.0
No	387	3.3	171	1.4	558	4.7
Alcohol Use						
Yes	9	5.2	5	2.9	14	8.1
No	460	3.5	231	1.8	691	5.2
Multiple Birth						
Yes	87	21.3	12	2.9	99	24.2
No	410	3.1	230	1.7	640	4.8

— Quantity is zero or rate is based on fewer than five occurrences.

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

All rates per 1,000 live births.

¹ Neonatal deaths include infant deaths of less than 28 days.

² Postneonatal deaths occur from day 28 through 364 after birth.

³ Infant death is the death of a child prior to its first birthday.

⁴ Includes Chinese, Japanese, Filipino, and Other Asian & Pacific Islander.

Youth Suicide Attempts

The risk of suicide increases dramatically during the teen years. During 2004, 920 nonfatal suicide attempts by Oregon youths ages 17 or younger were reported by Oregon hospitals, or about five every two days.

The Oregon reporting system identifies only attempts by youth with injuries severe enough to require emergency care at a hospital; consequently, the number of attempts reported must be considered a minimum. The proportion of youth described with a specific characteristic is based on only those cases with known values; that is, attempts in the “not stated” categories are excluded before the percentages are calculated. The Technical Notes section in Appendix B describes the methodology and limitations of the data.

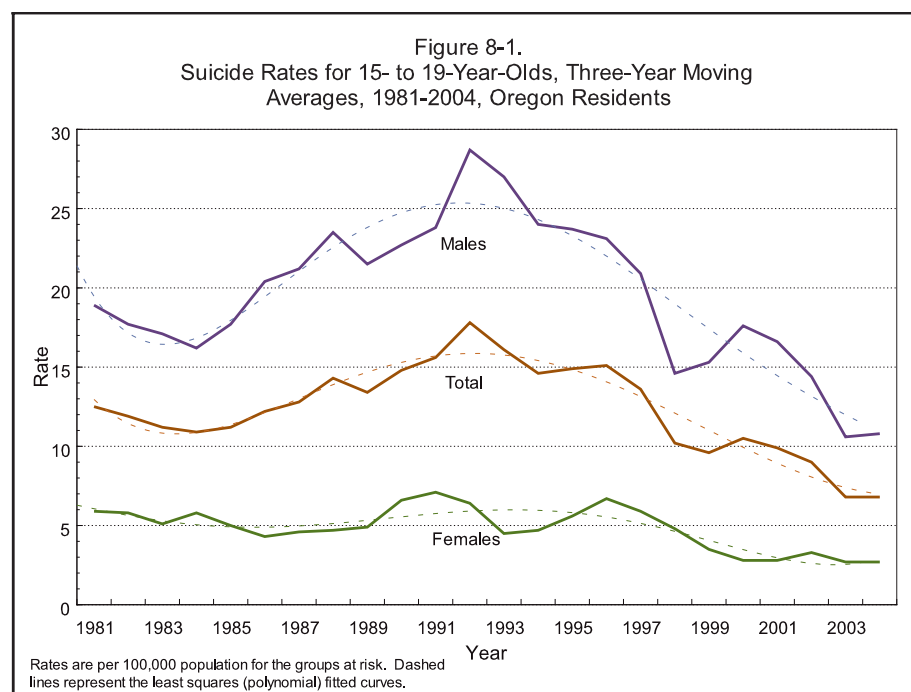
During the past decade, the suicide rate for Oregonians ages 15-19 has fallen to a level not seen since the 1970s.

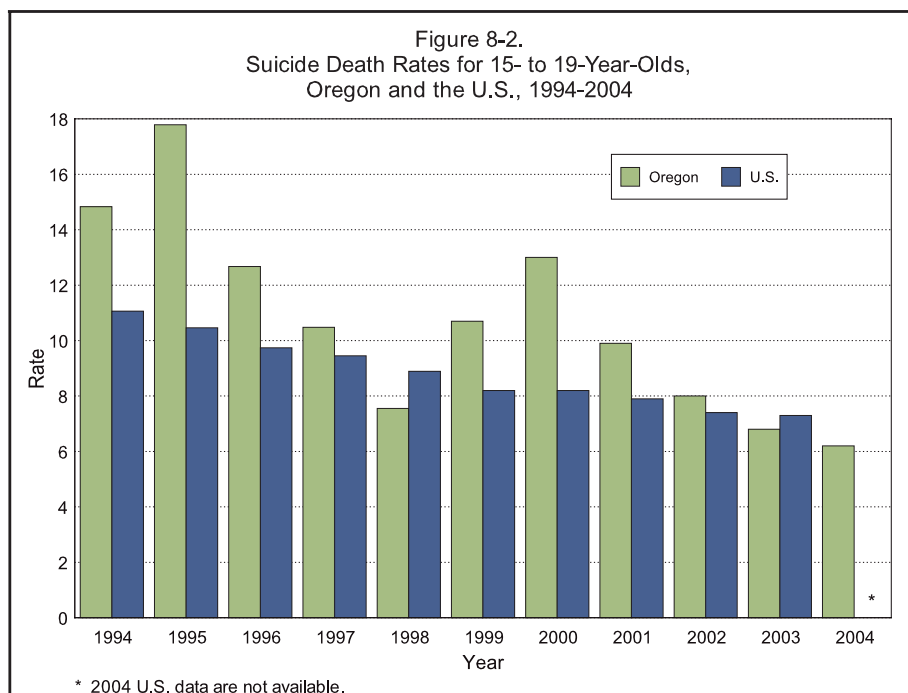
SUICIDE DEATHS

Temporal Trends

During 2004, 18 Oregonians 19 or younger died by suicide, two more than the previous year, but still one of lowest counts during the past quarter century. [Tables 8-1 and 8-2]. A decade earlier, there were 37 attempts that resulted in death. Because the number of events in any one year is small and subject to considerable random statistical variation, a better measure of the risk of suicide among teens are three-year moving rates, commonly expressed as the number of deaths among 15- to 19-year-olds per 100,000 population.¹ At 6.8 per 100,000 population, the 2002-2004 suicide rate was lowest in the last quarter-century.

Oregon's suicide rate for 15- to 19-year-olds was the 11th lowest nationally.





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
1997	736	151	585
1998	761	190	571
1999	738	180	558
2000	802	178	624
2001	865	202	663
2002	876	221	655
2003	922	207	715
2004	920	209	711

Attempters of unknown sex are included in the total. Ideators are excluded beginning in 1999.

During 1959-1961, the teen suicide rate was 2.8 per 100,000 population, but during the ensuing years it increased inexorably reaching a record high of 17.8 during 1990-1992.^{2,3} Since then, the rate has fallen dramatically declining 61.8 percent by 2002-2004. At its peak during 1990-1992, the suicide rate for males was 28.7 while that for females was 6.4, but by 2002-2004, the rates fallen to 10.8 and 2.7, respectively.

While most suicide deaths occurred at home, some youths who were transported to emergency departments died in the hospital. The risk of death is affected by the locality of the attempt, the degree of injury, and the time elapsed between injury and treatment.

Oregon Compared to the Nation

Oregon's youth suicide rate had historically been higher than the nation's, but in recent years has shown considerable improvement. [Figure 8-2]. During the three-year period 2001-2003 (the most recent available data), the national suicide death rate for 15- to 19-year-olds was 7.5 per 100,000 population. By comparison, the state's rate was 6.8 per 100,000 population, or 9.3 percent lower. Oregon's rate vis-a-vis other states (and District of Columbia) has declined in recent years, falling from the 14th highest during 1991-1993 to 41st highest (i.e., 11th lowest) during 2001-2003.

SUICIDE ATTEMPTS

Most attempts are probably not made with death as the goal. Rather, they are cries for help motivated by a desire to resolve interpersonal conflicts — especially in the case of medically non-serious attempts.

Data Caveats

The Adolescent Suicide Attempt Data System (ASADS) identifies only those nonfatal attempts among youth 17 or younger who sought care at a hospital and for whom a report was filed. Because reporting by hospitals can vary from year to year, caution should be used when interpreting youth suicide attempts over time, particularly by county. See the Technical Notes section in Appendix B for additional information on methodology.

Gender

In recent decades, girls have consistently been more likely to attempt suicide than boys; this pattern persisted in 2004 when more than three-fourths (77.3%) of all reported attempts were by girls. [Table 8-3].

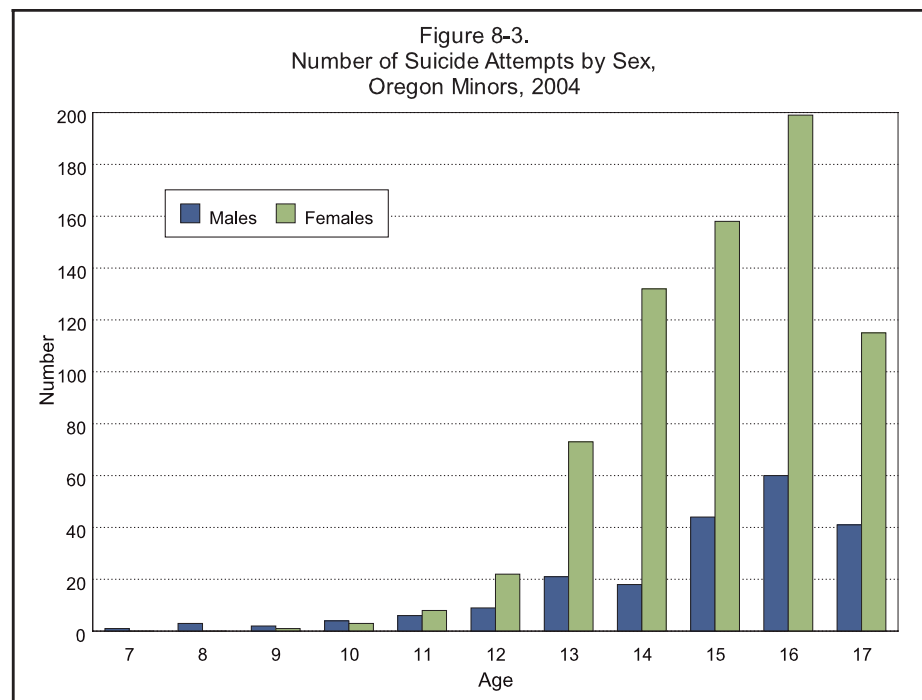
Age

During 2004, seven children under the age of 10 attempted suicide, with the youngest a 7-year-old who attempted to jump to his death in response to family discord. (The youngest child ever reported to have attempted suicide in Oregon was a 5-year-old in 2001.) Fifty-nine attempts by preteens were reported. [Table 8-3]. Attempts by 13- and 14-year-olds numbered 244 and those by 15- to 17-year-olds totaled 617. As in years past, 15- to 17-year-olds accounted for about two-thirds (67.1%) of all reported attempts.

Race

Reflecting the racial/ethnic composition of the state, most attempts were made by white youth. Beginning in 2002, more detailed race information was collected permitting more than one race to be listed on the attempt report form for each youth who

Number of Attempts by Age and Sex, 2004			
Age	Total	Male	Female
7	1	1	0
8	3	3	0
9	3	2	1
10	7	4	3
11	14	6	8
12	31	9	22
13	94	21	73
14	150	18	132
15	202	44	158
16	259	60	199
17	156	41	115



Number of Attempts by Race/Ethnicity		
Race	2004	2003
Total	920	922
White	770	740
African American	28	23
Indian	13	15
Chinese	1	0
Japanese	0	0
Asian Indian	2	1
Korean	1	0
Vietnamese	0	1
Other Asian	8	13
Hawaiian	0	0
Samoan	0	1
Other Pacific Islander	2	0
Other Races	2	3
Multiple Races	5	7
Hispanic	55	59
Not Stated	33	59

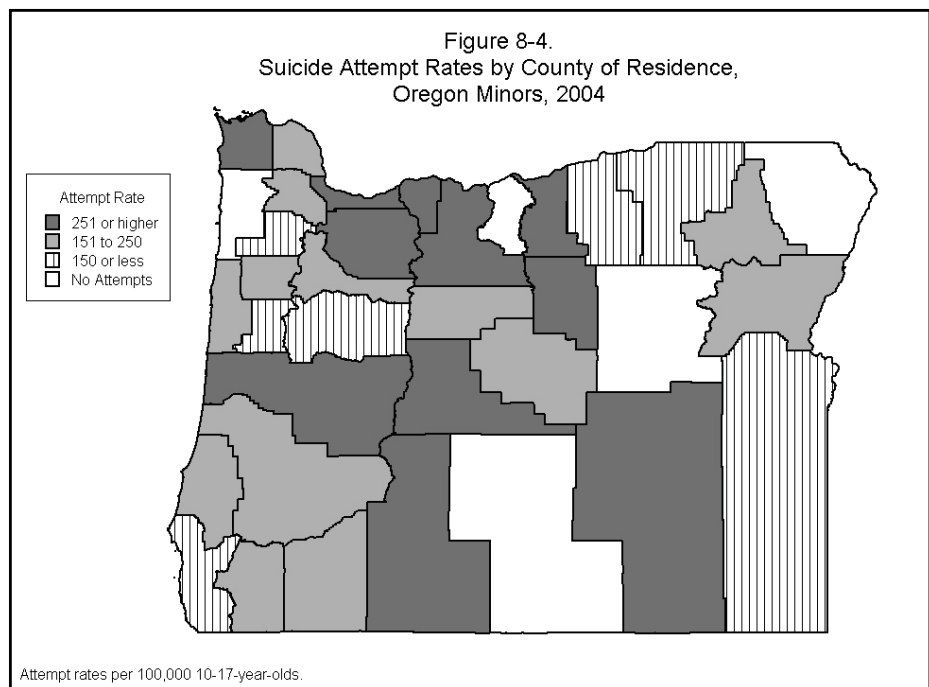
attempted suicide. Hispanics may be of any race; in the sidebar to the right, Hispanic ethnicity takes precedence over any race. Attempt rates by race during 2002-2004 were: White, 238.4 per 100,000 population; African American, 180.1; American Indian, 146.0; Hispanic, 111.7; and Asian and Pacific Islander, 85.9. (All specified races are non-Hispanic.)

Household Situation

Among youth reported to have attempted suicide, the largest group (27.9%) lived with their mother only, followed closely by youth who lived with both parents (26.5%).⁴ A smaller proportion lived with a parent and stepparent (15.4%). About one in 25 (4.3%) of the attempts were made by adolescents living in a juvenile facility. [Table 8-4].

Geographic Distribution

While the suicide attempt rate for the state was 223.1 per 100,000 (10- to 17-year-olds) during 2004, the rates for individual counties varied widely. [Figure 8-4]. Among the counties with 10 or more attempts, the three with the highest rates were: Hood River, 413.1; Wasco; 344.1; and, Lane, 336.6. [Table 8-5]. No attempts were reported for adolescents in five counties, all but one of which were east of the Cascades: Grant, Lake, Sherman, Tillamook, and Wallowa. (Every year since 1988, when reporting first began, at least one and as many as 11 attempts were reported annually by Tillamook County Hospital.) Table 8-19 lists the number of attempts reported by individual Oregon hospitals for the past 11 years. Because of incomplete reporting by some hospitals, attempt rates by county should be interpreted with caution. Data from death certificates are less susceptible to reporting bias. See the sidebar on the next page for the number of suicides (and rate) by county.



Place of Attempt

Attempts were most commonly made in a home, either the adolescent's own home (77.1%), another's home (5.0%), or a foster home (2.5%). [Table 8-6]. Fewer than one in 25 were made at school (4.6%) or juvenile facilities (4.2%).

Month and Date of Attempt

The summer school vacation months are consistently the season of lowest risk and spring the season of greatest risk; 18.0 percent of all attempts occurred from June through August compared to 33.0 percent during March through May. About one in four attempts occurred during the winter (26.5%) and fall (22.4%).

More attempts occurred on Monday than any other day of the week. Just 9.3 percent of the attempts occurred on Saturday compared to 18.0 percent on Monday, a nearly two-fold difference. Sunday accounted for 12.4 percent of all attempts, a lower proportion than that for any school day.

Past Attempts

About one-half (48.2%) of all attempts were made by youth who had made previous attempts, but females were more likely than males to do so (50.7% vs. 39.6%). [Table 8-7]. The youngest child to make repeat attempts was just eight years old. Adolescents living with both natural parents were least apt to have made prior attempts (37.1%) while those living with their father were most likely (58.6%). Those living with their mother or a parent and step-parent were similar in their likelihood of having made previous attempts (48.3% and 46.2%, respectively). Youth living east of the Cascade Range more often made repeated attempts than did their counterparts to the west (57.0% vs. 44.1% for Tri-County youth and 50.8% for youth living elsewhere in western Oregon).

Because a single adolescent may make multiple attempts during any one year, it should be remembered that references to the number or proportion of attempts with a given characteristic may be influenced by the repeated attempts of a single individual.

Stated Intent

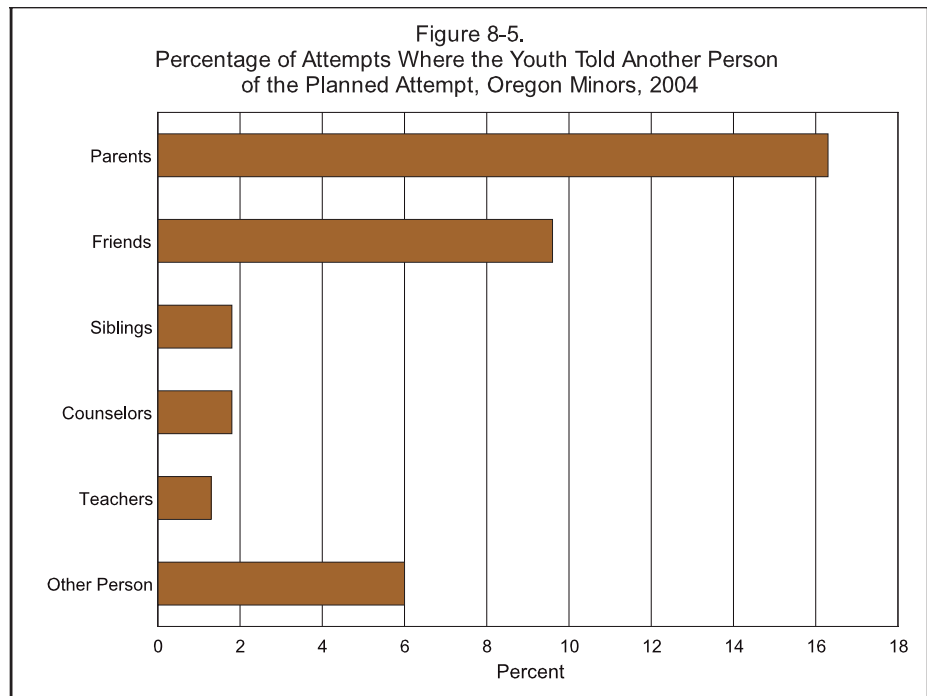
About one in three youth (35.4%) told another person of their plan to attempt suicide prior to the act, warnings that could, and should, have led to intervention. There was little difference by gender or age in the likelihood of a youth telling another person of his or her plan. [Table 8-8]. In about one of every six occurrences (16.3%), youths told their parents of their plan for self-harm prior to doing so. One in 10 (9.6%) had told their friends ahead of time. Siblings, counselors, and teachers were also told, but much less frequently. The category "other persons" in Table 8-8 most commonly included grandparents and residential staff at institutions.

**Suicide Rates by County,
Oregon Residents
Ages 10-24, 1990-2004**

County	Rate	Number
State Total	10.5	1063
<i>Baker</i>	18.8	9
Benton	6.6	23
Clackamas	8.9	90
<i>Clatsop</i>	16.7	18
Columbia	5.9	8
Coos	12.2	22
Crook	13.1	7
Curry	14.0	7
Deschutes	8.8	27
<i>Douglas</i>	17.1	52
Gilliam	18.4	1
Grant	12.6	3
<i>Harney</i>	35.6	8
Hood River	16.8	10
Jackson	9.8	51
Jefferson	25.6	14
Josephine	7.5	15
Klamath	14.6	29
Lake	17.9	4
Lane	9.9	104
Lincoln	12.5	14
Linn	11.8	37
Malheur	8.8	9
Marion	10.8	93
Morrow	3.0	1
Multnomah	11.5	210
Polk	6.0	12
Sherman	17.4	1
Tillamook	9.3	6
Umatilla	12.8	28
Union	6.9	6
Wallowa	18.9	4
Wasco	20.1	14
Washington	8.1	98
Wheeler	24.4	1
Yamhill	10.6	29

Rates per 100,000 population.

Italics denote counties with statistically significant high rates. None were statistically significantly lower.



***Drugs were used in two
of every three attempts.***

Method

Up to three different attempt methods can be recorded for each attempt, although nearly all (90.3%) involved a single method. Oregon adolescents used a variety of methods in their attempts, but ingestion of drugs alone accounted for the majority (59.3%). Overall, 18.6 percent of all attempts involved acetaminophen, a substance of particular concern because of its potential lethality and long-term toxic effects, consequences not commonly known by adolescents. Other recurring drugs included aspirin, Benadryl, ibuprofen, Naprosyn, Seroquel, trazodone, Vicodin, Wellbutrin, and Zoloft. Females were more likely than boys to ingest drugs, 62.9 percent vs. 47.4 percent, while preteens were less likely than teens. [Table 8-9]. Youths living east of the Cascade Range more often used drugs in their attempts than those living in the Tri-County area or elsewhere in western Oregon: 67.7 percent, 55.6 percent, and 60.5 percent, respectively.

Cutting and piercing injuries alone ranked second, accounting for 23.0 percent of the cases, with lacerations of the wrists and arms accounting for nearly all of the injuries. Knives and razor blades were most commonly used. There was little difference by gender or age in the proportion of attempts involving cutting/piercing.

Hanging and suffocation alone ranked third and was used by 3.8 percent of the youth who attempted suicide; males were far more likely to use this method, 12.0 percent vs. 1.4 percent of females. Attempts involving hanging and/or suffocation are second only to gunshots in the risk of death.

Ranking fourth, at 1.7 percent, was ingestion of substances other than drugs. Among those used were: bleach, ethanol, hy-

***All attempts with guns
ended in death.***

drogen peroxide, Pine-Sol, and a sugar overdose (by a diabetic). There was little difference by gender or age in the likelihood of using non-drug substances.

About one in 10 (9.7%) of the attempts involved multiple methods, most commonly drugs and/or other substances combined with cutting (5.5%). Drugs combined with other substances accounted for 2.4 percent of the attempts.

The categories “other single method” and “other multiple methods” in Table 8-9 include actions such as ingestion of sharp objects, running into traffic, and striking the head with a blunt object. No attempts with firearms are shown in the table because all such attempts resulted in death.

Table 8-10 shows that youth making repeated attempts were more likely to use more violent methods (although not necessarily more lethal methods). Those who had made prior attempts were more likely to use cutting/piercing and multiple methods.

Hospital Admission Status

One-half (50.1%) of all youth who attempted suicide were admitted by hospitals as inpatients. Reflecting their propensity to use more violent/lethal methods, males were somewhat more likely to be admitted as inpatients, 53.1 percent vs. 49.2 percent of females. There was no clear trend in admission status by age.

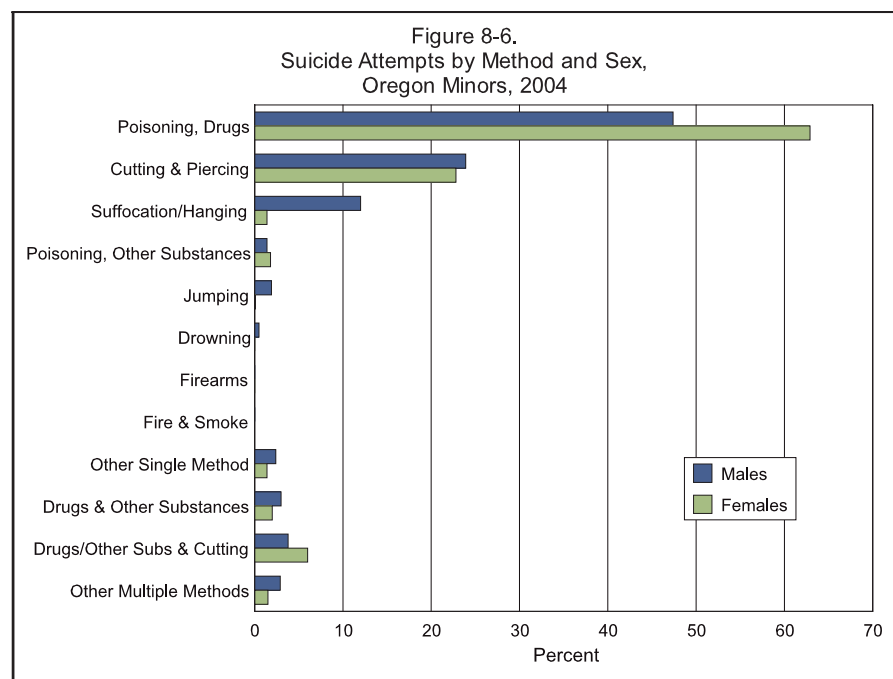
Striking differences exist by region where 61.5 percent of Tri-County youth who attempted suicide were admitted for treatment as inpatients compared to 25.2 percent of youth living east of the Cascade Range. Elsewhere west of the Cascades, 46.4 percent of youth who attempted suicide were admitted.

Youth admitted as inpatients

Tri-county - 61.5%

Other Western - 46.4%

Eastern - 25.2%



As the number of risk factors increased, so did the likelihood of admission as an inpatient.

Among the categories with at least 10 attempts reported, youth who attempted to hang or suffocate themselves were most likely to be admitted as inpatients; more than three-fourths (77.1%) were admitted compared to about one-third (36.8%) of those who cut themselves, the group least likely to be admitted. [Table 8-12].

The likelihood of inpatient admission increased with the number of risk factors reported by the youth (see Recent Personal Events, below). While 34.5 percent of those reporting one risk factor were admitted as inpatients, 49.3 percent of those reporting two factors, 76.7 percent of those reporting three factors, and 85.2 percent of those reporting four or more factors were admitted as inpatients.

Children living with a parent and stepparent were markedly more likely to be admitted as inpatients than were those living with both natural parents (64.6% vs. 47.8%).

Psychological Conditions

Nearly all (84.6%) youth who intentionally injured themselves were reported by their caregivers to be suffering one or more psychological conditions. By far, the most commonly reported condition was major depression (52.3%). It was diagnosed somewhat more often among females than males (53.5% vs. 48.2%) and more often among 15- to 17-year-olds than younger youth (54.4% vs. 47.9%). Depression was reported more often for youth living east of the Cascades than those living west of the mountains (58.3% vs. 47.3%). Youth who had made prior attempts were half-again as likely to be diagnosed with depression as were those who had not been (59.3% vs. 38.9%).

Ranking second and third were attention deficit (hyperactivity) disorder (13.7%) and conduct disorder (10.5%). Among the conditions reported in at least one of every 20 cases were adjustment disorder (9.3%) and bipolar disorder (6.8%). Besides the disorders shown in Table 8-13, other recurring diagnoses included: anxiety disorder, mood disorder, and oppositional defiant disorder. Other notable conditions included Asperger's syndrome, autism, fetal alcohol syndrome, fire-setting syndrome, mental retardation, and sleeping disorder.

Mental disorders were least often reported for youth living with both parents (78.9 percent) and most often for those living with a father (90.6%) or grandparents (94.7%). Previous suicide attempts were far more common among patients diagnosed with mental disorders (54.7%) than those who were not (13.3%).

Recent Personal Events

Suicidal behavior is a consequence of a complex interaction of factors, not a single event, although a single event may act as a trigger. [Figure 8-7]. The report form allows one or more events/factors leading to the attempt to be recorded.

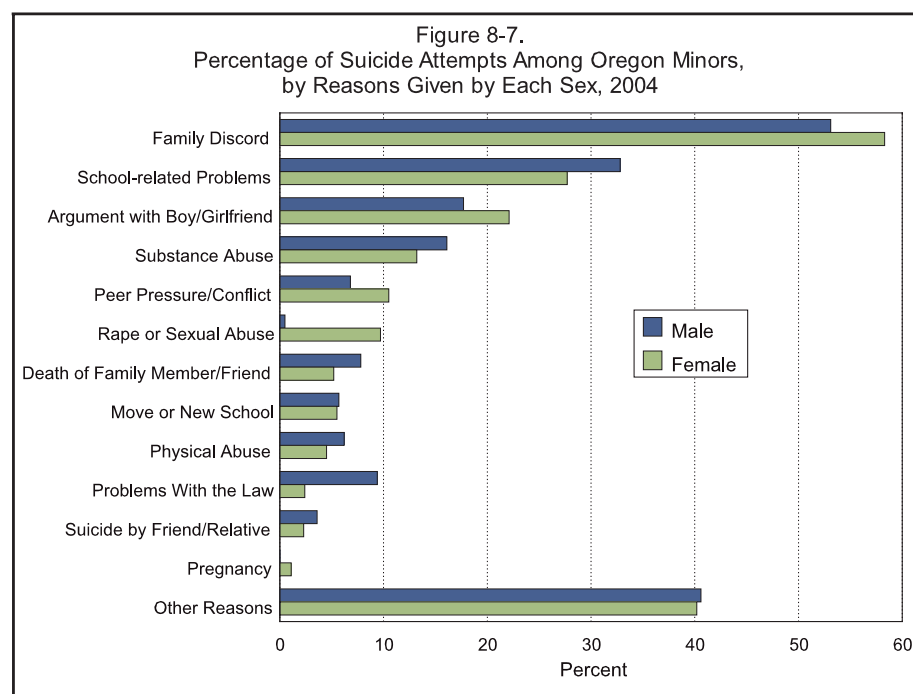
Lack of social support is a common thread among adolescents who attempt suicide, especially among those who cite multiple reasons. For example, an 11-year-old boy who had a mother who worked the graveyard shift and a father who was in prison reported family discord, problems at school, peer pressure and physical abuse.

Youth admitted as inpatients were over five times as likely to be identified with four or more of the following risk factors than were those who were discharged from the emergency room (21.1% vs. 3.9%). As the number of risk factors increased, so did the likelihood of an individual being diagnosed with a psychological disorder. For example, 5.1 percent of adolescents with one risk factor were diagnosed with a conduct disorder compared to 12.4 percent of those with two factors, 15.8 percent of those with three factors and 19.4 percent of those with four or more factors.

Family discord was, by far, the most common factor associated with suicide attempts.⁵ More than half (57.2%) of Oregon minors reported discord as a precipitating event. [Table 8-14]. It was reported a little more often among females than males (58.3% vs. 53.1%). Two-thirds of preteens (69.6%) reported discord compared to about half (53.8%) of 15- to 17-year-olds, the age groups most likely and least likely to report this situation. The likelihood of family discord was related to the parental makeup of a household; while 50.0 percent of youth living with both parents reported this problem, 72.7 percent of those living with a parent and stepparent did so.

School-related problems were cited by more than one in four (28.9%) youth who attempted suicide, but were more common

Family discord was the most common factor reported.



***"I feel like everyone
hates me."
A 17-year-old girl***

among males, 32.8 percent vs. 27.7 percent of females. There was an inverse relationship between the prevalence of school-related problems and age with 41.1 percent of preteens reporting them compared to 25.0 percent of 15- to 17-year-olds. These types of problems were about twice as prevalent among Tri-County youth (37.5%) than those living in other areas of western Oregon (19.9%) or east of the Cascades (17.2%).

An **argument with a boyfriend or girlfriend** was reported by one in five youth (21.1%), making it the third most frequently cited factor. It was more common among females than males (22.1% vs. 17.7%). As age increased, so did the likelihood of this type of argument precipitating an attempt; just 5.4 percent of preteens reported arguments with their boyfriend/girlfriend compared to 24.1 percent of 15- to 17-year-olds.

Substance abuse was linked to about one in seven attempts (13.8%), with males slightly more likely to do so than females (16.1% vs. 13.2%). Like arguments with boyfriends and girlfriends, substance abuse was reported more frequently by older youth (16.1% vs. 1.8% of preteens).

Peer Pressure/conflict was cited by about one in 10 adolescents (9.6%). Females were more likely to do so than males (10.5% vs. 6.8%) and younger youth more likely than older youth (16.1% of preteens vs. 8.4% of 15- to 17-year-olds). Peer pressure/conflict was reported twice as often by Tri-County youth (12.8%) than those living in other western counties (6.4%) or east of the Cascades (5.7%).

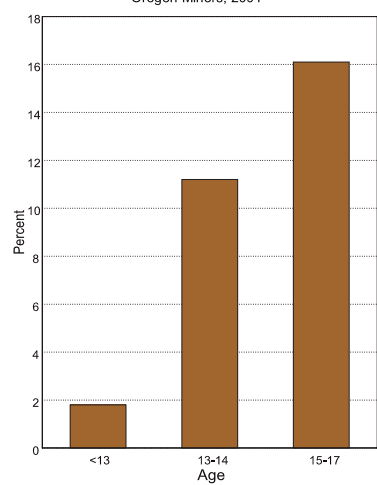
Rape or sexual abuse was linked to 7.6 percent of youth suicide attempts, but was cited almost exclusively by females (9.7% vs. 0.5% of males). There was no clear pattern by age. Rape/sexual abuse was reported about twice as often among Tri-County youth (9.8%) than those living elsewhere in western Oregon (5.0%) or east of the Cascade Range (5.7%). Youth citing rape or sexual abuse were most likely to have made previous attempts; 55.9 percent had done so. Eight in 10 (83.1%) were admitted for treatment as inpatients, the highest proportion for any of the reasons shown in Table 8-16. Fathers, stepsisters, and stepbrothers were most often identified as the perpetrator.

The **death of a family member or friend** was reported by 5.8 percent of youth who attempted suicide, but was cited more often by males than females, 7.8 percent versus 5.2 percent. There was little difference in the frequency by age.

A **move or new school** was a factor in 5.5 percent of the attempts, with little difference by gender. There was no clear pattern by age.

Physical abuse was reported by about one in 20 youth (4.9%), with boys somewhat more likely to do so than girls (6.2% vs. 4.5%). There was no clear trend by age. Physical and sexual abuse may be

Figure 8-8.
Percentage of Attempts Linked to Substance Abuse by Age,
Oregon Minors, 2004



***Youth citing rape/
sexual abuse were most
likely to have made
prior attempts.***

much more common than would appear from the hospital report forms. When responding to statewide surveys, only two-thirds of high school students said they had been neither physically nor sexually abused. Children both physically and sexually abused were 10 times more likely to report having attempted suicide than were nonabused children.⁶

Problems with the law were linked to one in 25 attempts (4.0%). Males were far more likely to mention this than were females (9.4% vs. 2.4%) and older youth were more likely to do so than were younger youth.

Suicide by a friend or relative was reported by 2.6 percent of youth as a factor in their own attempts, with males more likely to do so than females (3.6% vs. 2.3%). Three percent of 15- to 17-year-olds said a suicide by a friend or relative triggered their own attempt compared to 1.8 percent of younger youth.

Pregnancy was a factor in about one in 100 attempts and was cited exclusively by females.

Other reasons not classified above were associated with two-fifths of all attempts (40.3%). The reasons were wide-ranging, including: parental (terminal) illness, caught cheating at school, chronic illness, parental abandonment, parental substance abuse, causing a motor vehicle crash, learning disability, parent being sent to prison, family financial problems, and obesity.

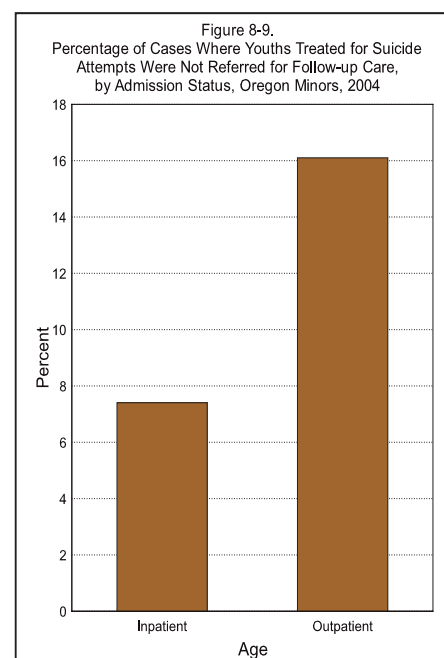
Same-sex sexual orientation is generally accepted as a related underlying cause of teen suicide. The issue is difficult to study under the current reporting system because of lack of comparison data. Moreover, even if information on sexual orientation were requested on the reporting form, its validity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

Referral

Oregon law requires hospitals that treat an adolescent for a suicide attempt to also refer that adolescent for follow-up care.⁷ Nonetheless, hospitals failed to do so 11.7 percent of the time. Of the 54 hospitals that reported treating youth for suicide attempts, 11 referred youth for follow-up treatment in 80-89 percent of the cases; seven made referrals in 70-79 percent of the cases; and six made referrals in fewer than 70 percent of the cases. The lowest referral rate among hospitals reporting at least 10 attempts was 58.6 percent (at Rogue Valley Medical Center).

There was little difference by gender (12.1% of males vs. 11.6% of females) and no clear trend by age. Adolescents treated on an outpatient basis, however, were especially unlikely to receive a referral (16.1% vs. 7.4% of inpatients).

Although required by law, hospitals failed to refer one in eight youth for follow-up care.



ENDNOTES

1. Moving (rolling) rates are often used when rates are based on rare events that are tracked over time. This method dampens the random statistical variation that occurs when the number of events is relatively small by averaging the data for a group of years. That is, the sum of the deaths for a given period is divided by the sum of the population for the same period. In Figure 8-1, for example, the data point for 2000 consists of a three-year average, 1998-2000. The next data point, for 2001, consists of data for 1999-2001.
2. The following rates were recorded for earlier years: 1989-1991, 15.6 per 100,000 population; 1979-1981, 11.7 per 100,000; 1969-1971, 7.0; and 1959-1961, 2.8.
3. During 1959-1961, the suicide rates were 4.6 per 100,000 for males and 1.0 for females.
4. Among living situations reported by at least 10 youth.
5. Among reasons cited by at least 10 youth.
6. Oregon Center for Health Statistics. Suicidal Behavior: A Survey of Oregon High School Students. Health Division. Oregon Department of Human Resources. September 1998. 64 pp.
7. ORS 441.750 states that "Any hospital which treats as a patient a person under 18 years of age because the person has attempted to commit suicide: Shall cause that person to be provided with information and referral to inpatient or outpatient community resources, crisis intervention or appropriate intervention by the patient's attending physician, hospital social work staff or other appropriate staff."

TABLE 8-1. Number of Suicides among Oregon Youth by Age and Sex, 1992-2004

Year & Sex	Age													
	10-19	10-17	15-19	10	11	12	13	14	15	16	17	18	19	20-24
1992	40	25	34	—	1	1	1	3	6	7	6	7	8	40
Male	34	21	31	—	1	—	1	1	6	6	6	6	7	29
Female ..	6	4	3	—	—	1	—	2	—	1	—	1	1	11
1993	33	24	24	—	1	—	4	4	1	5	9	3	6	32
Male	30	23	22	—	1	—	3	4	1	5	9	3	4	27
Female ..	3	1	2	—	—	—	1	—	—	—	—	—	2	5
1994	37	21	31	—	—	—	3	3	1	6	8	8	8	40
Male	24	11	22	—	—	—	2	—	—	2	7	6	7	31
Female ..	13	10	9	—	—	—	1	3	1	4	1	2	1	9
1995	43	27	38	—	—	1	1	3	8	2	12	8	8	47
Male	35	22	32	—	—	1	1	1	6	2	11	8	5	41
Female ..	8	5	6	—	—	—	—	2	2	—	1	—	3	6
1996	38	23	28	2	1	1	1	5	3	7	3	5	10	41
Male	31	18	22	2	1	1	—	5	3	6	—	5	8	39
Female ..	7	5	6	—	—	—	1	—	—	1	3	—	2	2
1997	31	18	24	—	—	2	1	4	2	3	6	7	6	37
Male	21	10	17	—	—	1	1	2	—	1	5	6	5	31
Female ..	10	8	7	—	—	1	—	2	2	2	1	1	1	6
1998	26	18	18	—	1	—	2	5	2	2	6	4	4	46
Male	22	14	16	—	1	—	2	3	2	1	5	4	4	41
Female ..	4	4	2	—	—	—	—	2	—	1	1	—	—	5
1999	29	15	26	—	—	—	2	1	2	5	5	6	8	29
Male	26	14	23	—	—	—	2	1	2	5	4	5	7	25
Female ..	3	1	3	—	—	—	—	—	—	—	1	1	1	4
2000	37	17	32	1	1	—	2	1	5	1	6	15	5	44
Male	29	12	27	—	1	—	1	—	4	1	5	13	4	39
Female ..	8	5	5	1	—	—	1	1	1	—	1	2	1	5
2001	20	13	15	—	—	—	1	4	1	2	5	2	5	31
Male	15	10	13	—	—	—	1	1	1	2	5	1	4	25
Female ..	5	3	2	—	—	—	—	3	—	—	—	1	1	6
2002	23	13	20	—	—	—	2	1	2	5	3	4	6	37
Male	17	9	15	—	—	—	1	1	1	5	1	3	5	36
Female ..	6	4	5	—	—	—	1	—	1	—	2	1	1	1
2003	16	8	16	—	—	—	—	—	2	4	2	3	5	46
Male	13	7	13	—	—	—	—	—	1	4	2	2	4	40
Female ..	3	1	3	—	—	—	—	—	1	—	—	1	1	6
2004	18	10	16	—	—	—	1	1	2	3	3	1	7	52
Male	15	7	14	—	—	—	1	—	1	2	3	1	7	42
Female ..	3	3	2	—	—	—	—	1	1	1	—	—	—	10

— Quantity is zero.

TABLE 8-2. Number of Suicides among Oregon Youth by County of Residence and Age, 2000-2004

County of Residence	Total		2000		2001		2002		2003		2004	
	≤19	20-24	≤19	20-24	≤19	20-24	≤19	20-24	≤19	20-24	≤19	20-24
Total	114	210	37	44	20	31	23	37	16	46	18	52
Baker	—	2	—	—	—	1	—	1	—	—	—	—
Benton	3	3	1	1	—	—	1	1	1	1	—	—
Clackamas	8	21	3	4	—	2	3	2	1	9	1	4
Clatsop	3	2	1	1	1	—	1	1	—	—	—	—
Columbia	—	2	—	1	—	1	—	—	—	—	—	—
Coos	1	11	—	1	—	2	—	2	—	1	1	5
Crook	1	—	—	—	1	—	—	—	—	—	—	—
Curry	2	—	—	—	—	—	1	—	1	—	—	—
Deschutes	2	6	—	2	—	1	2	2	—	—	—	1
Douglas	5	6	1	3	2	1	1	—	—	—	1	2
Gilliam	—	—	—	—	—	—	—	—	—	—	—	—
Grant	2	—	1	—	—	—	—	—	1	—	—	—
Harney	1	1	1	1	—	—	—	—	—	—	—	—
Hood River	1	1	—	1	1	—	—	—	—	—	—	—
Jackson	8	14	4	1	2	—	—	4	—	6	2	3
Jefferson	2	3	1	—	1	2	—	1	—	—	—	—
Josephine	5	—	1	—	1	—	—	—	2	—	1	—
Klamath	5	4	3	—	2	1	—	2	—	—	—	1
Lake	—	—	—	—	—	—	—	—	—	—	—	—
Lane	8	26	3	7	2	5	1	4	1	6	1	4
Lincoln	1	2	1	1	—	—	—	—	—	1	—	—
Linn	4	8	—	1	1	1	2	2	—	3	1	1
Malheur	1	4	—	—	—	1	—	1	1	1	—	1
Marion	8	16	3	3	1	6	3	—	1	1	—	6
Morrow	1	—	1	—	—	—	—	—	—	—	—	—
Multnomah	17	32	3	8	1	5	5	3	4	6	4	10
Polk	2	2	1	—	—	—	—	2	1	—	—	—
Sherman	—	—	—	—	—	—	—	—	—	—	—	—
Tillamook	1	—	1	—	—	—	—	—	—	—	—	—
Umatilla	2	8	2	1	—	—	—	1	—	3	—	3
Union	2	1	1	—	—	1	—	—	—	—	1	—
Wallowa	1	2	—	2	—	—	—	—	—	—	1	—
Wasco	2	3	1	—	—	—	1	3	—	—	—	—
Washington ...	11	24	3	4	3	1	1	2	2	8	2	9
Wheeler	—	—	—	—	—	—	—	—	—	—	—	—
Yamhill	4	6	—	1	1	—	1	3	—	—	2	2

— Quantity is zero.

**TABLE 8-3. Suicide Attempts by Sex and Age,
Oregon Minors, 2004**

Sex	Total	Age		
		≤12	13-14	15-17
Total	920	59	244	617
Male	209	25	39	145
Female	711	34	205	472
Row Percent				
Total	100.0	6.4	26.5	67.1
Male	100.0	12.0	18.7	69.4
Female	100.0	4.8	28.8	66.4
Column Percent				
Total	100.0	100.0	100.0	100.0
Male	22.7	42.4	16.0	23.5
Female	77.3	57.6	84.0	76.5

**TABLE 8-4. Suicide Attempts by Sex, Age, and Living Situation,
Oregon Minors, 2004**

Living Situation	Total	Sex		Age		
		Male	Female	≤12	13-14	15-17
Total	920	209	711	59	244	617
Both Parents	224	54	170	15	63	146
Parent & Stepparent	130	25	105	7	40	83
Father Only	33	11	22	1	3	29
Mother Only	236	54	182	18	62	156
Grandparent(s)	19	3	16	2	3	14
Other Relatives	11	3	8	2	2	7
Foster Parents	33	9	24	2	10	21
Juvenile Facility	36	6	30	—	4	32
Friends	12	1	11	—	2	10
Other	104	25	79	9	32	63
Not Stated	75	17	58	2	22	51
Row Percent						
Total	100.0	22.7	77.3	6.4	26.5	67.1
Both Parents	100.0	24.1	75.9	6.7	28.1	65.2
Parent & Stepparent	100.0	19.2	80.8	5.4	30.8	63.8
Father Only	100.0	33.3	66.7	3.0	9.1	87.9
Mother Only	100.0	22.9	77.1	7.6	26.3	66.1
Grandparent(s)	100.0	15.8	84.2	10.5	15.8	73.7
Other Relatives	100.0	27.3	72.7	18.2	18.2	63.6
Foster Parents	100.0	27.3	72.7	6.1	30.3	63.6
Juvenile Facility	100.0	16.7	83.3	—	11.1	88.9
Friends	100.0	8.3	91.7	—	16.7	83.3
Other	100.0	23.4	76.6	9.0	29.7	61.3
Not Stated	—	—	—	—	—	—
Column Percent						
Total	100.0	100.0	100.0	100.0	100.0	100.0
Both Parents	26.5	28.1	26.0	26.3	28.4	25.8
Parent & Stepparent	15.4	13.0	16.1	12.3	18.0	14.7
Father Only	3.9	5.7	3.4	1.8	1.4	5.1
Mother Only	27.9	28.1	27.9	31.6	27.9	27.6
Grandparent(s)	2.2	1.6	2.5	3.5	1.4	2.5
Other Relatives	1.3	1.6	1.2	3.5	0.9	1.2
Foster Parents	3.9	4.7	3.7	3.5	4.5	3.7
Juvenile Facility	4.3	3.1	4.6	—	1.8	5.7
Friends	1.4	0.5	1.7	—	0.9	1.8
Other	12.3	13.0	12.1	15.8	14.4	11.1
Not Stated	—	—	—	—	—	—

* Note: Percentages exclude cases with missing data.

— Quantity is zero.

TABLE 8-5. Suicide Attempts by Sex, Age, and County of Residence, Oregon Minors, 2004

County of Residence	Total	Attempt Rate	Sex		Age		
			Male	Female	≤12	13-14	15-17
Total	920	223.1	209	711	59	244	617
Baker	5	239.3	*	*	*	*	*
Benton	10	113.9	2	8	—	4	6
Clackamas	118	266.8	25	93	5	34	79
Clatsop	14	321.5	3	11	—	8	6
Columbia	12	193.9	3	9	3	3	6
Coos	15	213.7	1	14	1	2	12
Crook	6	186.9	*	*	*	*	*
Curry	3	145.3	*	*	*	*	*
Deschutes	42	258.3	4	38	3	13	26
Douglas	26	197.2	11	15	2	3	21
Gilliam	1	440.5	*	*	*	*	*
Grant	—	—	—	—	—	—	—
Harney	4	404.0	*	*	*	*	*
Hood River	11	413.1	4	7	1	2	8
Jackson	40	176.3	11	29	3	7	30
Jefferson	5	184.0	*	*	*	*	*
Josephine	14	154.9	4	10	—	2	12
Klamath	21	267.9	6	15	2	6	13
Lake	—	—	—	—	—	—	—
Lane	124	336.6	28	96	8	37	79
Lincoln	8	164.8	*	*	*	*	*
Linn	17	132.2	3	14	1	4	12
Malheur	5	128.5	*	*	*	*	*
Marion	77	213.4	16	61	2	25	50
Morrow	1	64.1	*	*	*	*	*
Multnomah	177	262.0	47	130	17	39	121
Polk	15	184.7	2	13	2	6	7
Sherman	—	—	—	—	—	—	—
Tillamook	—	—	—	—	—	—	—
Umatilla	8	89.0	*	*	*	*	*
Union	7	227.5	*	*	*	*	*
Wallowa	—	—	—	—	—	—	—
Wasco	10	344.1	4	6	—	4	6
Washington	108	197.5	23	85	5	31	72
Wheeler	1	492.6	*	*	*	*	*
Yamhill	15	133.0	4	11	1	—	14

Note: Rates are per 100,000 10- to 17-year-olds; that is, attempts by children nine or younger are excluded from the rate calculation. Because some rates are based on few events and are unstable, they should be used with caution.

* These data are not shown to avoid breaching confidentiality.

— Quantity is zero.

TABLE 8-6. Suicide Attempts by Sex and Place of Attempt, Oregon Minors, 2004

Sex	Total	Place of Attempt								
		Own Home	Foster Home	Other Home	School	Juvenile Facility	Jail	Public Place	Other	N.S.
Total	920	623	20	40	37	34	—	6	48	112
Male	209	145	4	8	11	4	—	4	13	20
Female	711	478	16	32	26	30	—	2	35	92
Row Percent										
Total	100.0	77.1	2.5	5.0	4.6	4.2	—	0.7	5.9	(*)
Male	100.0	76.7	2.1	4.2	5.8	2.1	—	2.1	6.9	(*)
Female	100.0	77.2	2.6	5.2	4.2	4.8	—	0.3	5.7	(*)
Column Percent										
Total	100.0	100.0	100.0	100.0	100.0	100.0	—	100.0	100.0	(*)
Male	23.4	23.3	20.0	20.0	29.7	11.8	—	66.7	27.1	(*)
Female	76.6	76.7	80.0	80.0	70.3	88.2	—	33.3	72.9	(*)

* Note: Percentages exclude cases with missing data.

— Quantity is zero.

TABLE 8-7. Prior Suicide Attempts during the Previous Five Years by Sex and Number of Attempts, Oregon Minors, 2004

Sex	Total	Number of Previous Attempts						
		0	1	2	3	4+	Yes, But # Unk.	N.S.
Total	920	393	163	33	16	19	135	161
Male	209	102	36	6	—	1	24	40
Female	711	291	127	27	16	18	111	121
Row Percent								
Total	100.0	51.8	21.5	4.3	2.1	2.5	17.8	(*)
Male	100.0	60.4	21.3	3.6	—	0.6	14.2	(*)
Female	100.0	49.3	21.5	4.6	2.7	3.1	18.8	(*)
Column Percent								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	(*)
Male	22.3	26.0	22.1	18.2	—	5.3	17.8	(*)
Female	77.7	74.0	77.9	81.8	100.0	94.7	82.2	(*)

* Note: Percentages exclude cases with missing data.

— Quantity is zero.

TABLE 8-8. Suicide Attempts by Sex, Age, and Whether Another Person Was Told of the Planned Attempt, Oregon Minors, 2004

Did Youth Tell Another Person of Planned Attempt?	Total	Sex		Age		
		Male	Female	≤12	13-14	15-17
Total	920	209	711	59	244	617
Did Not Tell	431	108	323	31	104	296
Did Tell	236	52	184	16	65	155
Parents	109	30	79	11	27	71
Siblings	12	3	9	–	1	11
Friends	64	12	52	–	19	45
Teachers	9	3	6	2	3	4
Counselors	12	1	11	1	5	6
Other Persons	40	6	34	4	14	22
Person Not Stated	1	–	1	–	–	1
Not Stated	253	49	204	12	75	166
Column Percent						
Total	100.0	100.0	100.0	100.0	100.0	100.0
Did Not Tell	64.6	67.5	63.7	66.0	61.5	65.6
Did Tell	35.4	32.5	36.3	34.0	38.5	34.4
Parents	16.3	18.8	15.6	23.4	16.0	15.7
Siblings	1.8	1.9	1.8	–	0.6	2.4
Friends	9.6	7.5	10.3	–	11.2	10.0
Teachers	1.3	1.9	1.2	4.3	1.8	0.9
Counselors	1.8	0.6	2.2	2.1	3.0	1.3
Other Persons	6.0	3.8	6.7	8.5	8.3	4.9
Person Not Stated	0.1	–	0.2	–	–	0.2
Not Stated	(*)	(*)	(*)	(*)	(*)	(*)

* Note: Percentages exclude cases with missing data. The sum of the persons told categories may exceed the total shown in the 'Did Tell' rows because youths may have told more than one person of the planned attempt.

– Quantity is zero.

**TABLE 8-9. Suicide Attempts by Sex, Age, and Method,
Oregon Minors, 2004**

Method of Attempt	Total	Sex		Age		
		Male	Female	≤12	13-14	15-17
Total	920	209	711	59	244	617
Poisoning, Drugs	546	99	447	31	150	365
Poisoning, Other Substances	16	3	13	1	4	11
Hanging & Suffocation	35	25	10	7	10	18
Drowning	1	1	—	—	1	—
Firearms	—	—	—	—	—	—
Fire & Smoke	—	—	—	—	—	—
Cutting & Piercing	212	50	162	14	60	138
Jumping from a High Place	5	4	1	1	1	3
Other Single Method	15	5	10	2	1	12
Drugs & Other Substances	22	8	14	—	3	19
Drugs/Other Subs & Cutting	51	8	43	1	7	43
Other Multiple Methods	17	6	11	2	7	8
Row Percent						
Total	100.0	22.7	77.3	6.4	26.5	67.1
Poisoning, Drugs	100.0	18.1	81.9	5.7	27.5	66.8
Poisoning, Other Substances ...	100.0	18.8	81.2	6.2	25.0	68.8
Hanging & Suffocation	100.0	71.4	28.6	20.0	28.6	51.4
Drowning	100.0	100.0	—	—	100.0	—
Firearms	—	—	—	—	—	—
Fire & Smoke	—	—	—	—	—	—
Cutting & Piercing	100.0	23.6	76.4	6.6	28.3	65.1
Jumping from a High Place	100.0	80.0	20.0	20.0	20.0	60.0
Other Single Method	100.0	33.3	66.7	13.3	6.7	80.0
Drugs & Other Substances	100.0	36.4	63.6	—	13.6	86.4
Drugs/Other Subs & Cutting	100.0	15.7	84.3	2.0	13.7	84.3
Other Multiple Methods	100.0	35.3	64.7	11.8	41.2	47.1
Column Percent						
Total	100.0	100.0	100.0	100.0	100.0	100.0
Poisoning, Drugs	59.3	47.4	62.9	52.5	61.5	59.2
Poisoning, Other Substances ...	1.7	1.4	1.8	1.7	1.6	1.8
Hanging & Suffocation	3.8	12.0	1.4	11.9	4.1	2.9
Drowning	0.1	0.5	—	—	0.4	—
Firearms	—	—	—	—	—	—
Fire & Smoke	—	—	—	—	—	—
Cutting & Piercing	23.0	23.9	22.8	23.7	24.6	22.4
Jumping from a High Place	0.5	1.9	0.1	1.7	0.4	0.5
Other Single Method	1.6	2.4	1.4	3.4	0.4	1.9
Drugs & Other Substances	2.4	3.8	2.0	—	1.2	3.1
Drugs/Other Subs & Cutting	5.5	3.8	6.0	1.7	2.9	7.0
Other Multiple Methods	1.8	2.9	1.5	3.4	2.9	1.3

— Quantity is zero.

TABLE 8-10. Suicide Attempts by Presence of Previous Attempts and Method, Oregon Minors, 2004

Method of Attempt	Total	Previous Attempts		
		No Previous Attempts	Previous Attempts	Not Stated
Total	920	393	366	161
Poisoning, Drugs	546	246	198	102
Poisoning, Other Substances	16	5	8	3
Hanging & Suffocation	35	19	13	3
Drowning	1	1	—	—
Firearms	—	—	—	—
Fire & Smoke	—	—	—	—
Cutting & Piercing	212	82	91	39
Jumping from a High Place	5	2	3	—
Other Single Method	15	4	10	1
Drugs & Other Substances	22	7	12	3
Drugs/Other Subs & Cutting	51	20	24	7
Other Multiple Methods	17	7	7	3
Row Percent				
Total	100.0	51.8	48.2	(*)
Poisoning, Drugs	100.0	55.4	44.6	(*)
Poisoning, Other Substances ...	100.0	38.5	61.5	(*)
Hanging & Suffocation	100.0	59.4	40.6	(*)
Drowning	100.0	100.0	—	(*)
Firearms	—	—	—	(*)
Fire & Smoke	—	—	—	(*)
Cutting & Piercing	100.0	47.4	52.6	(*)
Jumping from a High Place	100.0	40.0	60.0	(*)
Other Single Method	100.0	28.6	71.4	(*)
Drugs & Other Substances	100.0	36.8	63.2	(*)
Drug/Other Subs & Cutting	100.0	45.5	54.5	(*)
Other Multiple Methods	100.0	50.0	50.0	(*)
Column Percent				
Poisoning, Drugs	58.5	62.6	54.1	(*)
Poisoning, Other Substances ...	1.7	1.3	2.2	(*)
Hanging & Suffocation	4.2	4.8	3.6	(*)
Drowning	0.1	0.3	—	(*)
Firearms	—	—	—	(*)
Fire & Smoke	—	—	—	(*)
Cutting & Piercing	22.8	20.9	24.9	(*)
Jumping from a High Place	0.7	0.5	0.8	(*)
Other Single Method	1.8	1.0	2.7	(*)
Drugs & Other Substances	2.5	1.8	3.3	(*)
Drug/Other Subs & Cutting	5.8	5.1	6.6	(*)
Other Multiple Methods	1.8	1.8	1.9	(*)

* Note: Percentages exclude cases with missing data.

— Quantity is zero.

TABLE 8-11. Suicide Attempts by Sex, Age and Hospital Admission Status, Oregon Minors, 2004

Sex and Age	Total	Hospital Admission Status		
		In-patient	Out-patient	N.S.
Total Both Sexes				
All Ages	920	461	459	—
≤12	59	31	28	—
13-14	244	109	135	—
15-17	617	321	296	—
Male				
All Ages	209	111	98	—
≤12	25	18	7	—
13-14	39	18	21	—
15-17	145	75	70	—
Female				
All Ages	711	350	361	—
≤12	34	13	21	—
13-14	205	91	114	—
15-17	472	246	226	—
Row Percent				
Total Both Sexes				
All Ages	100.0	50.1	49.9	(*)
≤12	100.0	52.5	47.5	(*)
13-14	100.0	44.7	55.3	(*)
15-17	100.0	52.0	48.0	(*)
Male				
All Ages	100.0	53.1	46.9	(*)
≤12	100.0	72.0	28.0	(*)
13-14	100.0	46.2	53.8	(*)
15-17	100.0	51.7	48.3	(*)
Female				
All Ages	100.0	49.2	50.8	(*)
≤12	100.0	38.2	61.8	(*)
13-14	100.0	44.4	55.6	(*)
15-17	100.0	52.1	47.9	(*)

* Note: Percentages exclude cases with missing data.

— Quantity is zero.

TABLE 8-12. Suicide Attempts by Method and Hospital Admission Status, Oregon Minors, 2004

Method of Attempt	Total	Hospital Admission Status		
		In-patient	Out-patient	N.S.
Total	920	461	459	—
Poisoning, Drugs	546	278	268	—
Poisoning, Other Substances	16	7	9	—
Hanging & Suffocation	35	27	8	—
Drowning	1	1	—	—
Firearms	—	—	—	—
Fire & Smoke	—	—	—	—
Cutting & Piercing	212	78	134	—
Jumping from a High Place	5	5	—	—
Other Single Method	15	7	8	—
Drugs & Other Substances	22	15	7	—
Drugs/Other Subs & Cutting	51	31	20	—
Other Multiple Methods	17	12	5	—
Row Percent				
Total	100.0	50.1	49.9	(*)
Poisoning, Drugs	100.0	50.9	49.1	(*)
Poisoning, Other Substances ...	100.0	43.8	56.2	(*)
Hanging & Suffocation	100.0	77.1	22.9	(*)
Drowning	100.0	100.0	—	(*)
Firearms	—	—	—	(*)
Fire & Smoke	—	—	—	(*)
Cutting & Piercing	100.0	36.8	63.2	(*)
Jumping from a High Place	100.0	100.0	—	(*)
Other Single Method	100.0	46.7	53.3	(*)
Drugs & Other Substances	100.0	68.2	31.8	(*)
Drugs/Other Subs & Cutting	100.0	60.8	39.2	(*)
Other Multiple Methods	100.0	70.6	29.4	(*)
Column Percent				
Total	100.0	100.0	100.0	(*)
Poisoning, Drugs	59.3	60.3	58.4	(*)
Poisoning, Other Substances ...	1.7	1.5	2.0	(*)
Hanging & Suffocation	3.8	5.9	1.7	(*)
Drowning	0.1	0.2	—	(*)
Firearms	—	—	—	(*)
Fire & Smoke	—	—	—	(*)
Cutting & Piercing	23.0	16.9	29.2	(*)
Jumping from a High Place	0.5	1.1	—	(*)
Other Single Method	1.6	1.5	1.7	(*)
Drugs & Other Substances	2.4	3.3	1.5	(*)
Drugs/Other Subs & Cutting	5.5	6.7	4.4	(*)
Other Multiple Methods	1.8	2.6	1.1	(*)

* Note: Percentages exclude cases with missing data.

— Quantity is zero.

TABLE 8-13. Reported Psychological Conditions among Youth Attempting Suicide by Age and Sex, Oregon Minors, 2004

Psychological Conditions	Total	Sex		Age		
		Male	Female	≤12	13-14	15-17
Total						
Number	859	193	666	54	226	579
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Any Condition						
Number	727	172	555	45	184	498
Percent	84.6	89.1	83.3	83.3	81.4	86.0
Major Depression						
Number	449	93	356	18	116	315
Percent	52.3	48.2	53.5	33.3	51.3	54.4
Attention Deficit (Hyperactivity) Disorder						
Number	118	61	57	11	34	73
Percent	13.7	31.6	8.6	20.4	15.0	12.6
Conduct Disorder						
Number	90	27	63	8	26	56
Percent	10.5	14.0	9.5	14.8	11.5	9.7
Adjustment Disorder						
Number	80	13	67	8	23	49
Percent	9.3	6.7	10.1	14.8	10.2	8.5
Bipolar Disorder						
Number	58	16	42	4	14	40
Percent	6.8	8.3	6.3	7.4	6.2	6.9
Post-traumatic Stress Disorder						
Number	41	8	33	1	7	33
Percent	4.8	4.1	5.0	1.9	3.1	5.7
Eating Disorder						
Number	32	1	31	1	10	21
Percent	3.7	0.5	4.7	1.9	4.4	3.6
Dysthymia						
Number	25	5	20	2	5	18
Percent	2.9	2.6	3.0	3.7	2.2	3.1
Schizophrenia						
Number	2	1	1	1	—	1
Percent	0.2	0.5	0.2	1.9	—	0.2
Other Psychological Conditions						
Number	192	50	142	14	40	138
Percent	22.4	25.9	21.3	25.9	17.7	23.8

Note: Cases where conditions were reported as unknown are not included in this table. Percentages do not total 100 because more than one condition may have been given. The category "Major Depression" includes cases where depression was reported, but not otherwise specified.

— Quantity is zero.

**TABLE 8-14. Reasons Given for Suicide Attempts by Age and Sex,
Oregon Minors, 2004**

Reasons	Total	Sex		Age		
		Male	Female	≤12	13-14	15-17
Total						
Number	852	192	660	56	224	572
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Family Discord						
Number	487	102	385	39	140	308
Percent	57.2	53.1	58.3	69.6	62.5	53.8
School-Related Problems						
Number	246	63	183	23	80	143
Percent	28.9	32.8	27.7	41.1	35.7	25.0
Argument with Boy/Girlfriend						
Number	180	34	146	3	39	138
Percent	21.1	17.7	22.1	5.4	17.4	24.1
Substance Abuse						
Number	118	31	87	1	25	92
Percent	13.8	16.1	13.2	1.8	11.2	16.1
Peer Pressure/Conflict						
Number	82	13	69	9	25	48
Percent	9.6	6.8	10.5	16.1	11.2	8.4
Rape or Sexual Abuse						
Number	65	1	64	4	20	41
Percent	7.6	0.5	9.7	7.1	8.9	7.2
Death of Family Member/Friend						
Number	49	15	34	3	12	34
Percent	5.8	7.8	5.2	5.4	5.4	5.9
Move or New School						
Number	47	11	36	2	21	24
Percent	5.5	5.7	5.5	3.6	9.4	4.2
Physical Abuse						
Number	42	12	30	3	18	21
Percent	4.9	6.2	4.5	5.4	8.0	3.7
Problems with the Law						
Number	34	18	16	—	6	28
Percent	4.0	9.4	2.4	—	2.7	4.9
Suicide by Friend/Relative						
Number	22	7	15	1	4	17
Percent	2.6	3.6	2.3	1.8	1.8	3.0
Pregnancy						
Number	7	—	7	—	2	5
Percent	0.8	—	1.1	—	0.9	0.9
Other Reasons						
Number	343	78	265	23	93	227
Percent	40.3	40.6	40.2	41.1	41.5	39.7

Note: Reports with unknown reasons for suicide attempts are not included in this table. Percentages do not sum to 100 because more than one reason may have been given. The category "Suicide by Friend/Relative" includes suicide attempts.

— Quantity is zero.

**TABLE 8-15. Reasons Given for Suicide Attempts
by History of Previous Attempts, Oregon Minors, 2004**

Reasons	Total	Previous Attempts		
		Yes	No	N.S.
Total	852	333	377	142
Family Discord	487	181	229	77
School-Related Problems	246	85	144	17
Argument with Boy/Girlfriend	180	69	80	31
Substance Abuse	118	49	52	17
Peer Pressure/Conflict	82	31	44	7
Rape or Sexual Abuse	65	33	26	6
Death of Family Member/Friend	49	15	27	7
Move or New School	47	19	25	3
Physical Abuse	42	19	22	1
Problems with the Law	34	13	17	4
Suicide by Friend/Relative	22	6	15	1
Pregnancy	7	1	5	1
Other Reasons	343	147	154	42
Row Percent				
Total	100.0	46.9	53.1	(*)
Family Discord	100.0	44.1	55.9	(*)
School-Related Problems	100.0	37.1	62.9	(*)
Argument with Boy/Girlfriend	100.0	46.3	53.7	(*)
Substance Abuse	100.0	48.5	51.5	(*)
Peer Pressure/Conflict	100.0	41.3	58.7	(*)
Rape or Sexual Abuse	100.0	55.9	44.1	(*)
Death of Family Member/Friend	100.0	35.7	64.3	(*)
Move or New School	100.0	43.2	56.8	(*)
Physical Abuse	100.0	46.3	53.7	(*)
Problems with the Law	100.0	43.3	56.7	(*)
Suicide by Friend/Relative	100.0	28.6	71.4	(*)
Pregnancy	100.0	16.7	83.3	(*)
Other Reasons	100.0	48.8	51.2	(*)

* Note: Percentages exclude cases with missing data. Cases lacking reason information are excluded from this table.

**TABLE 8-16. Reasons Given for Suicide Attempts
by Hospital Admission Status, Oregon Minors, 2004**

Reasons	Total	Patient Status		
		In-Patient	Out-Patient	N.S
Total	852	437	415	—
Family Discord	487	271	216	—
School-Related Problems	246	160	86	—
Argument with Boy/Girlfriend	180	95	85	—
Substance Abuse	118	82	36	—
Rape or Sexual Abuse	65	54	11	—
Peer Pressure/Conflict	82	62	20	—
Move or New School	47	29	18	—
Physical Abuse	42	34	8	—
Death of Family Member/Friend	49	32	17	—
Problems with the Law	34	22	12	—
Suicide by Friend/Relative	22	18	4	—
Pregnancy	7	4	3	—
Other Reasons	343	219	124	—
Row Percent				
Total	100.0	51.3	48.7	(*)
Family Discord	100.0	55.6	44.4	(*)
School-Related Problems	100.0	65.0	35.0	(*)
Argument with Boy/Girlfriend	100.0	52.8	47.2	(*)
Substance Abuse	100.0	69.5	30.5	(*)
Rape or Sexual Abuse	100.0	83.1	16.9	(*)
Peer Pressure/Conflict	100.0	75.6	24.4	(*)
Move or New School	100.0	61.7	38.3	(*)
Physical Abuse	100.0	81.0	19.0	(*)
Death of Family Member/Friend	100.0	65.3	34.7	(*)
Problems with the Law	100.0	64.7	35.3	(*)
Suicide by Friend/Relative	100.0	81.8	18.2	(*)
Pregnancy	100.0	57.1	42.9	(*)
Other Reasons	100.0	63.8	36.2	(*)

* Note: Percentages exclude cases with missing data. Cases lacking reason information are excluded from this table.

— Quantity is zero.

Table 8-17. Suicide Attempts by City of Residence, Oregon Occurrence, Oregon Minors, 2004

Albany	3	Dallas	5	Lafayette	1	Roseburg	16
Aloha	17	Deer Island	1	LaGrande	4	Salem	60
Amity	1	Dexter	1	Lake Oswego	20	Sandy	6
Arlington	1	Drain	1	Lebanon	10	Scappoose	4
Ashland	5	Eagle Creek	1	Marcola	1	Scott Mills	1
Astoria	6	Eagle Point	1	Marylhurst	10	Seaside	4
Aurora	1	Elgin	1	McMinnville	4	Selma	1
Baker City	5	Elkton	1	Medford	22	Shady Grove	1
Bandon	1	Elmira	1	Merlin	3	Sheridan	3
Banks	1	Estacada	3	Metolius	1	Sherwood	6
Beaverton	28	Eugene	70	Mill City	1	Siletz	3
Bend	30	Fairview	5	Milo	1	Silverton	3
Bly	1	Fall Creek	1	Milwaukee	11	Springfield	23
Bonanza	1	Florence	6	Molalla	11	St. Helens	5
Boring	1	Forest Grove	2	Monmouth	2	Stanfield	1
Brookings	1	Fossil	2	Mt Angel	1	Stayton	2
Burns	3	Gladstone	3	Mulino	3	Sutherlin	3
Canby	5	Gold Beach	1	Myrtle Creek	2	Sweet Home	1
Carlton	1	Gold Hill	2	Newberg	5	Talent	1
Cascade Locks	1	Grants Pass	10	Newport	4	The Dalles	10
Central Point	6	Gresham	19	North Bend	5	Tigard	10
Cheshire	1	Hammond	2	Nyssa	1	Troutdale	14
Chiloquin	1	Harrisburg	3	Ontario	3	Tualatin	19
Clackamas	13	Hermiston	3	Oregon City	10	Union	1
Colton	4	Hillsboro	14	Pendleton	4	Vale	1
Columbia City	1	Hines	1	Philomath	2	Veneta	1
Coos Bay	6	Hood River	10	Pleasant Hill	1	Waldport	1
Coquille	2	Hubard	1	Port Orford	1	Warm Springs	3
Corbett	1	Independence	3	Portland	150	Warren	1
Cornelius	2	Irrigon	1	Prineville	6	Warrenton	2
Corvallis	8	Jefferson	1	Redmond	12	West Linn	9
Cottage Grove	6	Junction City	8	Reedsport	1	Westfir	1
Cove	1	Kaiser	9	Rhododendron	1	Wilsonville	4
Creswell	2	Keno	1	Rickreall	1	Woodburn	2

TABLE 8-18. Suicide Ideators by Sex, Age, Medical History and Reasons for Threatening an Attempt, Oregon Minors, 2004

Characteristic	Total	Sex		Age		
		Male	Female	≤12	13-14	15-17
<u>Total</u>	78	35	43	11	20	47
<u>Medical History</u>						
Made Previous Attempts	26	9	17	1	7	18
Admitted as In-patient	27	13	14	3	6	18
<u>Reasons for Attempt</u>						
Family Discord	49	24	25	7	14	28
School-Related Problems	29	16	13	6	6	17
Argument with Boy/Girlfriend	16	6	10	1	2	13
Substance Abuse	7	3	4	—	—	7
Rape or Sexual Abuse	7	—	7	1	2	4
Peer Pressure/Conflict	4	3	1	3	—	1
Move or New School	6	5	1	1	4	1
Physical Abuse	4	2	2	—	1	3
Death of Family Member/Friend ...	3	1	2	1	1	1
Problems with the Law	3	2	1	—	—	3
Suicide by Friend/Relative	1	1	—	—	—	1
Pregnancy	—	—	—	—	—	—
Other Reasons	28	11	17	4	9	15

— Quantity is zero.

Table 8-19. Reported Adolescent Suicide Attempts by Hospital and County, Oregon, 1994-2004

County	Hospital	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Oregon	Total	743	772	813	815	797	854	897	970	1,071	1,135	1,134
Baker	St. Elizabeth	2	2	3	5	5	5	4	5	2	5	6
Benton	Good Samaritan - Corvallis	19	20	19	21	22	10	20	30	46	31	10
Clackamas	Kaiser Sunnyside	19	17	25	15	51	22	17	54	86	82	91
Clackamas	Legacy Meridian Park	23	13	15	12	12	17	22	17	32	38	48
Clackamas	Providence Milwaukie	4	3	8	5	4	1	6	1	3	16	9
Clackamas	Willamette Falls	9	14	11	16	18	15	19	29	24	26	18
Clatsop	Columbia Memorial	11	7	17	10	4	5	8	10	3	13	11
Clatsop	Providence Seaside	8	6	4	1	0	3	7	5	8	2	5
Coos	Bay Area	25	18	10	7	9	11	7	10	13	14	15
Coos	Coquille Valley	3	4	4	1	2	11	3	1	0	0	4
Coos	Southern Coos	4	2	0	1	0	1	4	0	2	0	1
Crook	Pioneer Memorial - Prineville	3	0	2	0	1	5	16	20	12	7	8
Curry	Curry General	5	4	1	1	2	0	8	6	7	8	2
Deschutes	St. Charles - Redmond	7	3	4	9	8	3	4	8	1	11	8
Deschutes	St. Charles - Bend	26	26	18	16	25	15	34	32	50	56	43
Douglas	Lower Umpqua	2	4	2	0	2	0	0	5	4	3	1
Douglas	Mercy Medical	15	22	8	33	38	54	33	66	67	56	41
Grant	Blue Mountain	3	1	5	5	1	3	6	1	0	2	0
Harney	Harney District	2	3	2	0	1	6	2	0	1	3	4
Hood River	Providence Hood River	5	7	4	11	8	8	7	5	5	9	15
Jackson	Ashland Community	7	3	6	2	4	8	7	5	9	1	2
Jackson	Providence - Medford	15	8	11	8	6	11	10	16	13	9	5
Jackson	Rogue Valley	22	29	28	17	41	29	26	12	36	29	32
Jefferson	Mountain View	4	1	3	4	2	0	9	17	6	5	6
Josephine	Three Rivers Community	17	11	15	20	14	20	39	35	36	60	32
Klamath	Merle West	16	21	20	25	37	23	21	31	26	30	21
Lake	Lake District	0	1	2	3	2	1	1	1	1	1	0
Lane	Cottage Grove Community	5	4	4	6	1	1	4	1	5	7	2
Lane	McKenzie-Willamette	13	14	12	23	23	20	10	9	15	15	16
Lane	Peace Harbor	3	4	3	3	2	1	0	0	3	1	7
Lane	Sacred Heart	38	35	73	69	61	72	72	108	108	89	109
Lincoln	Samaritan North Lincoln	2	2	2	2	6	0	1	0	0	0	0
Lincoln	Pacific Communities	8	6	6	7	5	6	4	9	6	4	7
Linn	Albany General	16	13	8	17	12	9	2	3	0	5	2
Linn	Lebanon Community	6	4	10	6	3	5	4	5	9	11	8
Malheur	Holy Rosary	9	15	18	7	4	7	5	7	10	4	6
Marion	Oregon State	17	10	4	12	3	1	2	2	0	5	3
Marion	Salem	59	89	85	71	64	63	61	70	52	39	63
Marion	Santiam Memorial	1	3	1	7	2	4	7	2	0	0	0
Marion	Silverton	7	7	3	4	3	3	4	4	13	11	12
Morrow	Pioneer Memorial - Heppner	3	0	0	0	0	0	2	0	1	0	0
Multnomah	Legacy Emanuel	79	101	65	88	124	167	172	108	163	177	202
Multnomah	Legacy Good Samaritan	5	11	4	4	2	8	8	10	11	15	16
Multnomah	Legacy Mount Hood	13	24	25	11	12	4	5	1	13	16	24
Multnomah	OHSU	10	6	21	14	9	8	6	6	9	9	24
Multnomah	Portland Adventist	4	5	10	12	25	19	13	14	24	14	14
Multnomah	Providence Portland	26	28	33	11	5	10	50	72	17	36	40
Polk	West Valley Community	6	6	6	6	8	5	10	7	5	5	8
Tillamook	Tillamook County	6	7	6	2	7	4	2	7	7	2	4
Umatilla	Good Shepherd	2	5	6	7	2	15	4	11	5	10	5
Umatilla	St. Anthony	5	8	7	8	12	8	12	6	2	7	5
Union	Grande Ronde	3	10	4	5	4	2	2	6	10	5	6
Wallowa	Wallowa Memorial	1	2	0	2	0	1	0	1	2	1	0
Wasco	Mid-Columbia	4	7	7	3	8	10	11	9	8	11	21
Washington	Providence St. Vincent	36	16	57	75	29	28	36	34	35	80	61
Washington	Tuality Community	16	13	22	17	12	21	19	14	17	16	14
Washington	Tuality Forest Grove	3	5	2	2	2	2	2	1	4	6	3
Yamhill	Willamette Valley	7	23	9	22	7	5	8	9	11	12	8
Yamhill	Providence Newberg	6	13	11	11	10	11	11	6	8	2	4

NOTE: Totals in the table include reports for attempters 18 or older, out-of-state residents, ideators treated by hospital staff, and duplicate reports. Therefore, these figures are higher than the final numbers reported elsewhere in this chapter. Included in the totals, but not shown, are the number of reports from hospitals that have since closed.

TABLE A-1. Population Distribution by Age and Sex, Oregon, 1950, 1960, 1970, 1975, 1980, 1985, 1990-2004

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	75+
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	41,471
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	20,144
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	21,327
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	61,436
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	28,180
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	33,256
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	90,877
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	37,361
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	53,516
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	97,597
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	38,407
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	59,190
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	118,752
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	44,406
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	74,346
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	142,117
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	53,098
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	89,019
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	99,641	178,413
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	43,473	65,870
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	56,168	112,543
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	104,389	176,568
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	46,435	66,823
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	57,954	109,745
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	108,014	177,137
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	48,097	67,551
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	59,917	109,586
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	111,552	183,740
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	49,604	70,630
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	61,948	113,110

Source: 1950, 1960, 1970, 1980, 1990, and 2000 data are U.S. Census. All other years' data are estimates provided by Center for Population Research and Census, Portland State University.

TABLE A-1. Population Distribution by Age and Sex, Oregon, 1950, 1960, 1970, 1975, 1980, 1985, 1990-2004 (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	70-74	75+
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	113,874	190,035
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	50,587	72,668
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	62,287	117,367
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	113,812	194,602
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	50,528	75,093
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	63,284	119,509
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	113,338	200,375
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	50,378	76,689
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	62,960	123,686
1997	3,217,000	231,023	229,318	223,940	229,066	216,134	206,595	219,687	255,281	269,136	249,316	192,710	142,154	115,901	118,342	113,382	205,015
M	1,585,778	118,672	117,666	114,812	117,278	110,995	104,822	110,989	126,785	133,109	124,192	96,123	70,037	55,565	54,885	50,545	79,303
F	1,631,222	112,351	111,652	109,128	111,788	105,139	101,773	108,698	128,496	136,027	125,124	96,587	72,117	60,336	63,457	62,837	125,712
1998	3,267,550	216,270	225,755	233,772	238,498	205,409	208,599	227,758	264,229	278,458	254,656	201,902	149,998	123,399	117,429	110,808	210,610
M	1,616,250	110,610	115,817	120,141	123,211	105,811	105,501	113,540	132,531	140,697	128,089	100,799	72,906	59,060	54,968	49,739	82,830
F	1,651,300	105,660	109,938	113,631	115,287	99,598	103,098	114,218	131,698	137,761	126,567	101,103	77,092	64,339	62,461	61,069	127,780
1999	3,300,800	219,527	226,789	235,796	243,007	209,296	206,740	222,194	259,743	276,330	259,973	211,826	160,646	128,037	115,151	110,524	215,221
M	1,629,897	112,126	116,290	121,080	125,200	107,042	103,662	110,184	129,946	139,523	130,560	105,568	78,041	61,304	53,926	50,053	85,393
F	1,670,903	107,401	110,499	114,716	117,807	102,255	103,077	112,010	129,797	136,807	129,413	106,258	82,606	66,733	61,225	60,471	129,828
2000	3,421,399	223,005	234,474	242,098	244,427	230,406	233,850	236,845	255,751	270,823	271,315	235,840	173,008	131,380	112,614	106,728	218,835
M	1,696,550	114,006	120,115	124,235	125,429	118,100	121,031	122,237	129,083	134,072	134,761	117,417	85,369	64,218	53,193	48,510	84,774
F	1,724,849	108,999	114,359	117,863	118,998	112,306	112,819	114,608	126,668	136,751	136,554	118,423	87,639	67,162	59,421	58,218	134,061
2001	3,471,700	226,401	238,102	245,858	248,078	233,672	237,225	240,353	259,636	274,967	275,401	239,420	175,643	133,350	114,046	108,064	221,484
M	1,721,063	115,854	122,068	126,161	127,300	119,797	122,845	123,903	131,103	136,095	136,730	119,229	86,575	65,245	53,832	49,142	85,186
F	1,750,637	110,547	116,034	119,697	120,778	113,875	114,380	116,450	128,533	138,872	138,671	120,191	89,069	68,105	60,214	58,923	136,297
2002	3,504,700	227,668	240,525	248,332	250,518	235,989	239,632	242,805	262,277	277,752	278,150	241,802	177,357	134,599	115,039	108,983	223,273
M	1,737,468	116,502	123,310	127,431	128,552	120,984	124,091	125,167	132,437	137,473	138,095	120,415	87,420	65,856	54,300	49,559	85,876
F	1,767,232	111,166	117,215	120,902	121,965	115,004	115,541	117,638	129,840	140,279	140,055	121,387	89,938	68,743	60,739	59,423	137,397
2003	3,541,500	228,681	243,209	251,015	253,202	238,586	242,417	245,610	265,216	280,796	281,125	244,359	179,190	135,956	116,295	110,163	225,680
M	1,755,699	117,020	124,686	128,807	129,929	122,316	125,533	126,613	133,921	138,980	139,572	121,689	88,323	66,520	54,893	50,096	86,801
F	1,785,801	111,661	118,523	122,208	123,273	116,270	116,884	118,997	131,295	141,816	141,553	122,670	90,867	69,436	61,402	60,067	138,879
2004	3,582,600	228,294	246,477	254,338	256,544	241,877	245,808	249,010	268,821	284,559	284,837	247,540	181,472	137,643	117,189	110,983	227,206
M	1,776,238	116,822	126,362	130,512	131,644	124,003	127,289	128,366	135,741	140,843	141,415	123,273	89,448	67,345	55,315	50,469	87,391
F	1,806,362	111,472	120,116	123,826	124,900	117,874	118,519	120,644	133,080	143,717	143,422	124,267	92,024	70,298	61,874	60,514	139,816

Source: 1950, 1960, 1970, 1980, 1990, and 2000 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 by Age and Sex for Oregon and Its Counties: July 1, 2004

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	65-69	70-74	75-79	80-84	85+
Oregon	3,582,600	228,294	246,477	254,338	154,889	101,655	241,877	245,808	249,010	268,821	284,559	284,837	247,540	181,472	137,643	117,189	110,983	98,736	68,882	59,589
Baker	16,550	794	1,011	1,284	804	377	593	650	837	1,104	1,291	1,317	1,175	1,035	956	874	824	657	507	460
Benton	81,750	3,918	4,641	5,279	3,504	4,922	11,577	5,733	4,875	5,270	6,063	6,464	5,208	3,508	2,433	2,140	2,001	1,811	1,295	1,108
Clackamas	356,250	20,510	26,286	28,045	16,188	9,326	19,769	20,597	23,036	28,007	31,583	31,580	28,078	20,441	13,552	10,355	9,478	8,543	5,753	5,122
Clatsop	36,400	1,960	2,223	2,574	1,781	1,156	2,055	1,860	1,977	2,521	2,839	3,210	2,740	2,023	1,710	1,532	1,439	1,207	857	734
Columbia	45,650	2,491	3,447	3,903	2,285	1,106	2,149	2,380	2,986	3,633	3,950	3,917	3,448	2,701	1,887	1,519	1,360	1,128	792	569
Coos	62,700	3,121	3,545	4,303	2,716	1,693	2,771	2,818	3,166	4,094	4,840	5,080	4,724	3,982	3,532	3,347	3,109	2,548	1,777	1,535
Crook	20,650	1,146	1,490	1,609	1,066	466	1,102	1,164	1,193	1,359	1,580	1,498	1,540	1,213	1,098	912	840	602	444	328
Curry	21,150	727	1,075	1,318	747	388	642	675	852	1,184	1,486	1,617	1,564	1,496	1,486	1,560	1,586	1,385	779	582
Deschutes	135,450	7,509	9,360	10,279	5,980	3,355	7,433	8,466	8,962	10,351	11,523	11,493	10,067	7,548	6,219	4,905	4,393	3,490	2,256	1,862
Douglas	102,350	5,447	6,492	7,543	4,626	2,695	5,038	4,848	5,412	6,636	7,787	8,013	7,481	6,103	5,366	5,337	4,824	3,989	2,666	2,046
Gilliam	1,900	88	118	140	87	40	66	84	98	126	171	153	132	103	107	98	96	99	45	50
Grant	7,750	349	555	583	407	192	252	345	379	523	621	642	590	497	436	386	323	248	217	203
Harney	7,650	409	555	637	353	157	319	361	421	583	646	601	542	432	401	388	297	244	172	131
Hood River	21,050	1,605	1,675	1,680	983	559	1,214	1,385	1,444	1,651	1,748	1,651	1,255	938	720	647	588	521	397	389
Jackson	191,200	10,586	13,048	13,984	8,709	5,154	11,562	10,603	11,092	13,023	14,667	15,581	14,284	10,899	8,375	7,419	7,177	6,604	4,560	3,872
Jefferson	20,250	1,561	1,650	1,770	946	468	1,063	1,215	1,299	1,417	1,365	1,309	1,230	1,052	999	965	800	489	368	284
Josephine	78,600	3,890	5,004	5,661	3,379	1,790	3,278	3,529	4,043	4,974	5,759	6,134	5,932	5,099	4,326	4,150	3,868	3,634	2,250	1,902
Klamath	64,800	4,052	4,674	4,965	2,875	1,751	3,803	3,687	3,685	4,390	4,730	5,074	4,602	3,583	3,037	2,847	2,544	2,054	1,347	1,100
Lake	7,500	362	485	595	387	126	254	347	353	479	616	630	558	471	424	415	363	301	182	151
Lane	333,350	18,319	20,708	22,516	14,317	11,154	28,531	22,353	21,157	23,181	25,297	27,401	23,912	17,135	13,002	11,024	10,933	9,884	6,799	5,726
Lincoln	44,400	2,192	2,421	2,922	1,934	953	1,872	1,887	2,245	2,790	3,384	3,802	3,548	2,826	2,552	2,647	2,324	1,944	1,266	891
Linn	106,350	6,988	7,579	7,989	4,873	2,895	6,028	6,365	6,759	7,643	7,999	8,033	7,240	5,836	4,561	3,954	3,774	3,382	2,416	2,034
Malheur	31,850	2,373	2,449	2,412	1,479	1,033	2,352	2,023	2,112	2,264	2,208	2,185	1,770	1,482	1,221	1,131	1,107	913	718	619
Marion	298,450	22,929	22,817	22,248	13,836	9,327	21,587	21,300	21,028	21,796	21,913	21,055	18,430	13,584	10,545	8,950	8,621	7,953	5,553	4,979
Morrow	11,750	828	1,058	981	580	389	707	747	714	830	957	869	734	589	483	422	341	252	143	127
Multnomah	685,950	47,026	42,774	41,210	25,207	18,121	51,690	61,526	58,395	55,887	55,583	55,281	46,072	30,569	21,707	17,496	17,614	16,563	12,259	10,970
Polk	64,950	3,814	4,512	4,967	3,155	2,291	5,198	3,514	3,703	4,254	4,706	5,084	4,443	3,320	2,492	2,270	2,088	2,058	1,460	1,621
Sherman	1,900	80	123	180	91	51	69	61	81	133	162	151	131	114	96	94	118	77	48	41
Tillamook	24,950	1,222	1,520	1,673	1,072	607	1,051	1,100	1,256	1,572	1,888	1,980	1,918	1,587	1,448	1,449	1,417	1,025	656	509
Umatilla	72,250	4,920	5,683	5,508	3,482	2,186	4,727	4,848	4,829	5,419	5,425	5,397	4,488	3,423	2,814	2,318	2,289	1,981	1,377	1,138
Union	24,850	1,502	1,597	1,827	1,250	932	2,032	1,305	1,213	1,494	1,803	2,022	1,772	1,311	1,079	990	846	707	576	590
Wallowa	7,150	304	411	599	369	133	214	259	269	455	562	722	559	463	397	386	375	292	213	168
Wasco	23,900	1,431	1,644	1,767	1,140	560	1,213	1,236	1,339	1,599	1,884	1,873	1,793	1,321	1,120	994	956	909	602	520
Washington	480,200	37,830	37,093	34,300	19,888	12,033	32,689	40,937	41,662	41,271	40,271	36,255	30,050	20,491	13,962	10,602	9,650	8,944	6,488	5,785
Wheeler	1,550	47	77	110	93	19	31	50	75	84	88	124	108	139	121	117	109	76	43	38
Yamhill	89,200	5,965	6,682	6,978	4,300	3,252	6,944	5,548	6,061	6,823	7,162	6,640	5,421	4,159	2,977	2,548	2,512	2,222	1,600	1,407

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

Table A-2. Population by Age and Sex for Oregon and Its Counties: July 1, 2004 (Continued)

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	65-69	70-74	75-79	80-84	85+
Oregon	1,776,238	116,822	126,362	130,512	79,481	52,164	124,003	127,289	128,366	135,741	140,843	141,415	123,273	89,448	67,345	55,315	50,469	41,860	27,085	18,446
Baker	8,083	406	518	659	413	193	304	337	431	557	639	654	585	510	468	413	375	278	199	142
Benton	40,758	2,005	2,379	2,709	1,798	2,526	5,935	2,969	2,513	2,661	3,001	3,209	2,594	1,729	1,190	1,010	910	768	509	343
Clackamas	176,940	10,495	13,476	14,391	8,307	4,785	10,135	10,666	11,875	14,142	15,632	15,679	13,983	10,076	6,630	4,888	4,310	3,622	2,262	1,585
Clatsop	17,931	1,003	1,140	1,321	914	593	1,054	963	1,019	1,273	1,405	1,594	1,365	997	837	723	655	512	337	227
Columbia	22,665	1,275	1,767	2,003	1,173	567	1,102	1,232	1,539	1,834	1,955	1,944	1,717	1,331	923	717	618	478	311	176
Coos	30,673	1,597	1,817	2,208	1,394	869	1,421	1,459	1,632	2,067	2,395	2,522	2,352	1,963	1,728	1,580	1,414	1,080	699	475
Crook	10,203	587	764	826	547	239	565	603	615	686	782	744	767	598	537	430	382	255	174	102
Curry	10,211	372	551	676	383	199	329	349	439	598	736	803	779	738	727	736	721	587	306	180
Deschutes	67,189	3,843	4,799	5,274	3,069	1,721	3,811	4,384	4,620	5,227	5,703	5,706	5,013	3,720	3,043	2,315	1,998	1,479	887	576
Douglas	50,255	2,787	3,328	3,871	2,374	1,383	2,583	2,510	2,790	3,351	3,854	3,978	3,725	3,008	2,625	2,519	2,194	1,691	1,048	633
Gilliam	928	45	60	72	45	20	34	43	51	63	85	76	65	51	52	46	44	42	18	15
Grant	3,799	179	284	299	209	98	129	179	195	264	308	319	294	245	214	182	147	105	85	63
Harney	3,772	209	284	327	181	80	163	187	217	295	320	299	270	213	196	183	135	103	68	41
Hood River	10,446	821	859	862	505	287	622	717	744	833	865	819	625	462	352	305	268	221	156	120
Jackson	94,244	5,417	6,689	7,176	4,469	2,645	5,928	5,490	5,718	6,576	7,260	7,736	7,113	5,372	4,098	3,502	3,264	2,800	1,793	1,199
Jefferson	10,042	799	846	908	486	240	545	629	670	715	676	650	612	518	489	456	364	207	145	88
Josephine	38,428	1,990	2,565	2,905	1,734	918	1,680	1,828	2,084	2,512	2,850	3,045	2,954	2,513	2,117	1,959	1,759	1,541	885	589
Klamath	32,012	2,073	2,396	2,548	1,476	899	1,950	1,909	1,900	2,217	2,341	2,519	2,292	1,766	1,486	1,344	1,157	871	530	340
Lake	3,679	185	249	305	198	64	130	180	182	242	305	313	278	232	208	196	165	128	71	47
Lane	165,081	9,374	10,616	11,554	7,347	5,724	14,627	11,575	10,907	11,705	12,521	13,604	11,908	8,446	6,362	5,203	4,972	4,191	2,673	1,773
Lincoln	21,722	1,122	1,241	1,499	992	489	960	977	1,158	1,409	1,675	1,887	1,767	1,393	1,249	1,249	1,057	824	498	276
Linn	52,535	3,576	3,885	4,100	2,500	1,486	3,091	3,296	3,484	3,859	3,959	3,988	3,605	2,877	2,232	1,866	1,716	1,434	950	630
Malheur	15,767	1,214	1,256	1,238	759	530	1,206	1,048	1,089	1,143	1,093	1,085	882	731	597	534	503	387	282	192
Marion	148,249	11,733	11,698	11,416	7,100	4,786	11,067	11,030	10,840	11,006	10,846	10,453	9,178	6,696	5,159	4,225	3,920	3,372	2,184	1,541
Morrow	5,857	424	542	503	298	199	363	387	368	419	474	431	366	290	236	199	155	107	56	39
Multnomah	341,151	24,064	21,929	21,147	12,935	9,299	26,500	31,861	30,103	28,220	27,511	27,446	22,943	15,067	10,621	8,258	8,010	7,022	4,820	3,396
Polk	32,041	1,952	2,313	2,549	1,619	1,176	2,665	1,820	1,909	2,148	2,329	2,524	2,212	1,636	1,219	1,071	950	873	574	502
Sherman	930	41	63	92	47	26	35	32	42	67	80	75	65	56	47	44	53	33	19	13
Tillamook	12,216	625	779	859	550	311	539	570	648	794	934	983	955	782	708	684	644	434	258	158
Umatilla	35,857	2,518	2,913	2,826	1,787	1,122	2,423	2,510	2,490	2,736	2,685	2,679	2,235	1,687	1,377	1,094	1,041	840	541	352
Union	12,256	769	819	938	641	478	1,042	676	626	754	892	1,004	882	646	528	467	385	300	227	183
Wallowa	3,493	155	211	307	190	68	110	134	139	230	278	358	279	228	194	182	170	124	84	52
Wasco	11,755	732	843	907	585	287	622	640	690	807	932	930	893	651	548	469	435	386	237	161
Washington	239,984	19,358	19,016	17,601	10,205	6,175	16,759	21,199	21,477	20,840	19,932	18,000	14,965	10,100	6,831	5,004	4,388	3,792	2,551	1,791
Wheeler	753	24	39	56	48	10	16	26	39	42	44	62	54	69	59	55	49	32	17	12

Table A-2. Population by Age and Sex for Oregon and Its Counties: July 1, 2004 (Continued)

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	65-69	70-74	75-79	80-84	85+
Oregon	1,806,362	111,472	120,116	123,826	75,409	49,491	117,874	118,519	120,644	133,080	143,717	143,422	124,267	92,024	70,298	61,874	60,514	56,876	41,797	41,143
Baker	8,467	388	493	625	392	184	289	313	405	546	652	663	590	525	488	461	449	378	307	318
Benton	40,992	1,913	2,262	2,570	1,706	2,396	5,642	2,764	2,362	2,609	3,062	3,255	2,615	1,779	1,243	1,130	1,091	1,043	786	765
Clackamas	179,310	10,014	12,810	13,654	7,881	4,540	9,634	9,931	11,161	13,865	15,951	15,901	14,096	10,366	6,921	5,467	5,168	4,921	3,491	3,536
Clatsop	18,469	957	1,083	1,253	867	563	1,002	897	958	1,248	1,434	1,616	1,376	1,026	873	809	785	695	520	507
Columbia	22,985	1,216	1,680	1,900	1,112	538	1,047	1,148	1,447	1,798	1,995	1,972	1,731	1,369	964	802	742	650	480	393
Coos	32,027	1,524	1,727	2,095	1,322	824	1,350	1,359	1,534	2,027	2,444	2,558	2,371	2,019	1,804	1,767	1,695	1,468	1,078	1,060
Crook	10,447	560	726	783	519	227	537	561	578	673	798	755	773	615	561	481	458	347	269	227
Curry	10,939	355	524	642	364	189	313	325	413	586	751	814	785	759	759	824	865	798	472	402
Deschutes	68,261	3,667	4,561	5,004	2,912	1,633	3,622	4,082	4,342	5,124	5,820	5,787	5,054	3,827	3,176	2,590	2,395	2,010	1,369	1,286
Douglas	52,095	2,660	3,164	3,672	2,252	1,312	2,455	2,337	2,622	3,285	3,933	4,035	3,755	3,095	2,740	2,818	2,630	2,298	1,618	1,413
Gilliam	972	43	57	68	42	19	32	40	48	62	87	77	66	52	55	52	53	57	27	34
Grant	3,951	171	270	284	198	93	123	167	183	259	314	323	296	252	223	204	176	143	132	140
Harney	3,878	200	270	310	172	76	155	174	204	289	326	303	272	219	205	205	162	141	105	91
Hood River	10,604	784	817	818	479	272	592	668	700	817	883	831	630	476	368	341	321	300	241	268
Jackson	96,956	5,169	6,358	6,808	4,240	2,509	5,635	5,112	5,374	6,447	7,408	7,846	7,171	5,527	4,277	3,917	3,913	3,804	2,767	2,673
Jefferson	10,208	762	804	862	461	228	518	586	630	701	689	659	617	533	510	510	436	282	224	196
Josephine	40,172	1,899	2,438	2,756	1,645	871	1,597	1,702	1,959	2,463	2,909	3,088	2,978	2,585	2,210	2,191	2,109	2,094	1,365	1,313
Klamath	32,788	1,978	2,278	2,417	1,400	853	1,853	1,778	1,785	2,173	2,389	2,555	2,310	1,817	1,551	1,503	1,387	1,183	817	759
Lake	3,821	177	236	290	188	61	124	168	171	237	311	317	280	239	217	219	198	173	110	104
Lane	168,269	8,945	10,092	10,962	6,970	5,430	13,904	10,778	10,251	11,476	12,776	13,797	12,004	8,689	6,641	5,820	5,961	5,694	4,125	3,954
Lincoln	22,678	1,070	1,180	1,422	941	464	912	910	1,088	1,381	1,709	1,914	1,781	1,433	1,303	1,397	1,267	1,120	768	615
Linn	53,815	3,412	3,693	3,889	2,372	1,409	2,938	3,069	3,275	3,784	4,040	4,045	3,634	2,960	2,329	2,088	2,058	1,948	1,466	1,405
Malheur	16,083	1,159	1,194	1,174	720	503	1,146	976	1,023	1,121	1,115	1,100	889	752	624	597	604	526	435	427
Marion	150,201	11,196	11,119	10,832	6,736	4,541	10,520	10,270	10,188	10,790	11,067	10,602	9,252	6,888	5,386	4,725	4,701	4,581	3,370	3,438
Morrow	5,893	404	515	477	282	189	345	360	346	411	483	437	369	299	247	223	186	145	87	88
Multnomah	344,799	22,962	20,845	20,063	12,272	8,823	25,190	29,665	28,292	27,667	28,072	27,835	23,128	15,501	11,087	9,238	9,604	9,541	7,439	7,574
Polk	32,909	1,862	2,199	2,418	1,536	1,115	2,533	1,694	1,794	2,106	2,377	2,560	2,230	1,684	1,273	1,199	1,139	1,186	886	1,119
Sherman	970	39	60	88	44	25	34	30	39	66	82	76	66	58	49	50	64	44	29	28
Tillamook	12,734	596	741	815	522	295	512	531	609	778	953	997	963	805	740	765	772	590	398	352
Umatilla	36,393	2,402	2,769	2,681	1,695	1,064	2,303	2,338	2,340	2,683	2,740	2,717	2,253	1,736	1,437	1,224	1,248	1,141	835	786
Union	12,594	734	778	890	609	454	990	629	588	740	911	1,018	889	665	551	523	461	407	350	407
Wallowa	3,657	148	200	292	180	65	104	125	131	225	284	363	281	235	203	204	204	168	129	116
Wasco	12,145	699	801	860	555	273	591	596	649	791	951	943	900	670	572	525	521	524	365	359
Washington	240,216	18,471	18,076	16,699	9,683	5,858	15,930	19,738	20,185	20,431	20,339	18,255	15,085	10,391	7,131	5,598	5,262	5,152	3,937	3,994
Wheeler	797	23	38	54	45	9	15	24	36	42	44	62	54	71	62	62	59	44	26	26
Yamhill	44,865	2,912	3,256	3,397	2,093	1,583	3,384	2,675	2,936	3,378	3,617	3,344	2,722	2,109	1,520	1,345	1,370	1,280	971	972

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

Table A-3. Forecasts of Oregon's County Populations and Components of Change, 2005 - 2040

Area Name	2005	2010	2015	2020	2025	2030	2035	2040
Oregon	3,618,200	3,843,900	4,095,708	4,359,258	4,626,015	4,891,225	5,154,793	5,425,408
Baker	16,471	16,498	16,717	16,957	17,135	17,221	17,304	17,460
Benton	82,138	85,721	88,995	91,982	94,549	96,517	98,235	99,886
Clackamas	363,240	391,536	424,648	460,323	497,926	536,123	576,231	620,703
Clatsop	36,734	37,162	37,652	37,939	38,290	38,643	38,983	39,368
Columbia	45,977	48,292	50,882	53,562	56,354	59,024	61,623	64,411
Coos	63,112	63,386	63,897	64,259	64,634	64,929	64,919	64,839
Crook	21,035	23,051	25,249	27,590	30,125	32,796	35,569	38,553
Curry	21,115	21,530	22,112	22,671	23,057	23,225	23,299	23,432
Deschutes	139,994	158,792	178,418	197,150	214,479	229,933	244,069	257,088
Douglas	102,958	106,379	112,043	117,632	123,341	129,062	134,713	140,619
Gilliam	1,917	1,946	2,016	2,101	2,187	2,275	2,366	2,464
Grant	7,578	7,553	7,562	7,583	7,610	7,637	7,646	7,678
Harney	7,203	7,454	7,779	8,098	8,415	8,745	9,120	9,584
Hood River	20,698	21,998	23,485	25,027	26,667	28,404	30,310	32,498
Jackson	194,005	208,370	223,464	238,865	253,881	268,385	282,669	297,496
Jefferson	20,491	22,168	24,079	26,065	28,298	30,831	33,390	36,094
Josephine	79,956	84,186	89,211	94,385	100,001	105,552	111,133	117,216
Klamath	65,330	66,968	68,851	70,595	72,631	74,924	77,366	80,159
Lake	7,411	7,428	7,468	7,525	7,543	7,559	7,576	7,614
Lane	333,855	347,494	365,639	387,574	409,159	430,454	451,038	471,511
Lincoln	45,365	46,945	48,776	50,379	52,039	53,710	55,364	57,247
Linn	106,023	110,123	115,156	120,465	126,140	132,133	138,717	146,260
Malheur	32,328	33,826	35,552	37,312	39,122	40,854	42,629	44,519
Marion	302,913	323,128	344,443	367,018	388,898	410,022	429,824	448,671
Morrow	12,286	13,581	15,011	16,520	18,101	19,703	21,358	23,122
Multnomah	687,073	711,909	735,445	756,390	778,028	800,565	821,768	842,009
Polk	65,434	72,845	83,338	95,594	107,118	117,557	127,019	135,937
Sherman	1,893	1,933	1,986	2,043	2,081	2,102	2,127	2,165
Tillamook	25,401	26,589	27,897	29,097	30,094	30,887	31,538	32,146
Umatilla	71,495	75,271	79,701	85,242	90,660	95,844	101,001	106,149
Union	24,804	25,596	26,545	27,551	28,535	29,525	30,586	31,793
Wallowa	7,147	7,315	7,611	7,892	8,112	8,232	8,431	8,783
Wasco	23,420	23,753	24,297	24,896	25,670	26,563	27,522	28,653
Washington	489,742	542,678	599,377	660,367	723,669	788,162	854,164	920,852
Wheeler	1,557	1,563	1,591	1,597	1,614	1,622	1,636	1,652
Yamhill	90,098	98,932	108,812	119,011	129,850	141,505	153,549	166,755

Note: Total population estimates for July 1 of each time period. Release date: April 2004. This information is from the Office of Economic Analysis, Department of Administrative Services, State of Oregon. Additional statewide population projections are also available on the Office of Economic analysis website.

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 of less than 5 pounds, 8 ounces (2,500 grams) as reported on the birth certificate.

Birth rate per 1,000 men is the number of births per 1,000 males in Oregon. In computing birth rates by age of father, the NCHS method of distributing births where age of father was not stated in the same proportion as births where age of father was stated within each 5-year age interval of mother was used to facilitate national comparisons. NCHS uses this procedure to avoid distortion in rates that would result if the relationship between age of mother and age of father were disregarded.

DEATHS

Crude Death Rate—is the number of deaths per 1,000 or 100,000 total population. The crude death rate represents the average chance of dying during a specified period for persons in the entire population.

Age Specific Death Rate—deaths per 100,000 population in a specified age group, such as 1–4 years or 5–9 years for a specified period.

Age adjusted death rate—The death rate used to make comparisons of relative mortality risks across groups and over time. This rate should be viewed as a construct or an index rather than as direct or actual measure of mortality risk. Statistically, it is a weighted average of the age-specified death rates, where the weights represent the fixed population proportions by age.

Fetal Death is death prior to the complete expulsion or extraction from its mother of a product of conception whose birthweight is at least 350 grams or, if birth weight was unknown, after 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 includes fetal deaths at 28 weeks gestation or more and infant deaths of less than 7 days (definition I) or fetal deaths at 20 weeks gestation or more and deaths of infants less than 28 days (definition II).

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.

ENDNOTE

- 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

"That, sir, is the good of counting; it brings everything to a certainty, which before floated in the mind indefinitely."

—Samuel Johnson

MORTALITY

Comparability Between ICD-9 and ICD-10 Codes

The *International Classification of Diseases* (ICD) codes are periodically revised to reflect progress in the identification of diseases.¹ This practice began in 1900 and occurs every 10 to 20 years. Each of these revisions has produced some breaks in the comparability of cause of death statistics.

ICD-10 has many changes from ICD-9, including: considerably greater detail for some causes (and less detail for others); shifts of inclusion in terms and titles from one category, section, or chapter to another; regrouping of diseases; new titles and sections; and modifications in coding rules. As a result, serious breaks occur in comparability for a number of causes of death. Measures of this discontinuity are essential to the interpretation of mortality trends. Comparability ratios between ICD-9 and ICD-10 have been computed for this purpose (please see the table at the end of Appendix B).

Studies of the comparability between revisions of the ICD have been carried out and published since at least the fifth revision. Comparability studies, also called bridge-coding studies, involve the dual classification of a single year of mortality data, that is classifying the underlying cause of death on mortality records by the new revision and the previous revision. The key element of the comparability study is the comparability ratio, which is derived from the dual classification. It is calculated by dividing the number of deaths for a selected cause of death classified by the new revision by the number of deaths classified to the most nearly comparable cause of death using the previous revision (in this case the number of deaths identified as being attributable to a particular cause using ICD-10 codes and rules divided by the number of deaths attributed to the same cause using ICD-9 codes and rules). The resulting ratio represents the net effect of the new revision on statistics for this cause and can be used as a factor to adjust previously calculated mortality statistics.

A comparability ratio of 1.00 indicates that the same number of deaths was assigned to a particular cause or combination of causes, regardless of the revision used. A ratio showing perfect correspondence (1.00) between the two revisions does not necessarily indicate that the cause was unaffected by changes in classification and coding procedures but merely that there was no net change.

A ratio less than 1.00 results from a decrease in assignments of death to a cause in ICD-10 compared with ICD-9. A ratio of more than 1.00 results from an increase in assignments of deaths to a cause in ICD-10 compared to the corresponding ICD-9 cause.

In regard to the magnitude of coding effects produced by rule changes, that of Rule 3 is among the most prominent. This rule is used to determine the direct sequels of causes. It states "If the conditions selected by the general principle or by Rule I or by Rule 2 is obviously a direct consequence of another reported condition, whether in Part I or Part II [of the medical certification portion of the death certificate], select this primary condition." The cause of death most affected by Rule 3 is pneumonia, which is often the consequence of another condition or injury. In ICD-10 the applicability of Rule 3 to pneumonia is broader than in ICD-9, so pneumonia is considered a consequence of a much wider range of conditions. As a result, pneumonia is much less likely to be selected as the underlying cause of death under ICD-10 than under ICD-9.

Comparability ratios have been applied to Tables 6-3 and 6-50. The following describes selected leading causes of death affected by changes in classification and underlying cause of death rules.

Heart Disease. The comparability ratio (CR) for this cause is 0.9852, indicating a net decrease of nearly 1.5 percent in the allocation of heart disease as the underlying cause of death when using the ICD-10 classification scheme. This net decrease is a result primarily of shifts away from heart disease to other causes of death due to Rule A; under this rule, certain disorders are considered ill-defined and not reflecting the true underlying cause of death. Cardiac arrest is one such disorder. Thus, it is ignored in the selection of underlying cause of death if another more specific cause is listed on the death certificate.

Malignant Neoplasms. The CR for cancer is 1.0093, indicating considerable comparability in numbers and rates between revisions. Nevertheless, a substantial number of deaths are classified under malignant neoplasms in ICD-10 that were not classified as such under ICD-9. Most of these were classified as pneumonia in ICD-9 and were affected by the change in Rule 3 (described above). In ICD-10, the applicability of Rule 3 to pneumonia is broader than in ICD-9; that is, pneumonia is considered a consequence of a much wider range of conditions. As a result, pneumonia is much less likely to be selected as the underlying cause of death under ICD-10 than under ICD-9. In addition, some deaths shifted out of the malignant neoplasm category due to the revision. Most of these are classified in ICD-10 as HIV or, *in situ* neoplasms, benign neoplasms, and neoplasms of uncertain or unknown behavior.

Nearly all of the specified malignant neoplasm categories show some shifts of deaths into and out of the specified category. For example, because of changes in the rule governing the selection of the primary site, deaths involving cancer of the trachea, bronchus, and lung are a little less likely to be attributed to this

cause. (The comparability ratio is 0.9844.) This occurred because ICD-10, in contrast to ICD-9, classifies malignant neoplasms of the lung as secondary to many other cancers. Further, when classifying deaths according to ICD-10, unlike ICD-9, selection of the primary site is not determined by order of entry on the death certificate. Thus, when two primary sites from different organ systems are listed, the deaths are classified to C97, the category for independent (primary) multiple sites.

Alzheimer's Disease. The CR published in the previously described NCHS publication should not be applied to Oregon data. Unlike the nation, deaths assigned to this category have included both Alzheimer's disease (ICD-9 331.0) and presenile dementia (ICD-9 290.1). A study of deaths coded to ICD-9 290.1 showed that 99 out of 100 were attributable to Alzheimer's dementia and that physicians were using the terms "Alzheimer's disease" and "Alzheimer's dementia" essentially interchangeably. To provide a more realistic measure of the impact of Alzheimer's disease, both diseases were included in Oregon's "Alzheimer's Disease" category. ICD-10 eliminated the separate category for "Alzheimer's dementia"; just one code (G30) is present in the current revision.

Unintentional Injuries. With a comparability ratio of 1.0251, deaths were slightly more likely to be attributed to unintentional injuries than previously. Virtually all of this increase involves shifts from natural causes in ICD-9 to unintentional injuries in ICD-10. Most of these deaths were classified as pneumonia or cardiac arrest in ICD-9 but were coded to unintentional injuries as a consequence of the changes in Rule 3 and Rule A, respectively. The CR for the largest subset in this group, motor vehicles, is 0.9527, but the specific category with the largest difference (CR = 0.7720) is falls. This 23 percent decrease is the result of the change in the classification of unspecified fractures. In ICD-9, if the term "fracture" was listed on the death certificate without mention of an external cause, the death was classified to "Fracture, cause unspecified" (E887) within the greater "Accidental Falls" (E880-888) category. In ICD-10, a fall is not assumed to be responsible for an unspecified fracture, and the death is classified to "Exposure to Unspecified Factor," (X59), which is classified as an unintentional injury, but in a residual category, not a fall.

Intentional Self-Harm. This category has a comparability ratio of 1.0022, indicating little change in the overall number of deaths attributed to suicide. Some changes in coding categories have resulted in less specific data. For example, the type of firearm used in suicide (and all other external cause categories) is no longer distinguished other than handgun vs. long gun; previously, rifles, shotguns, and military (assault) weapons were categorized individually. Further, suffocation suicides involving plastic bags are no longer identified (The number of deaths in this category was typically about the same as the number resulting from cutting and piercing injuries).

Table 1. Final and preliminary comparability ratios for 113 selected causes of death

List number	Cause of death	Number of deaths allocated according to		Final comparability ratio	Standard error of ratio	Relative standard error of ratio	Preliminary comparability ratio, as published	Percent difference preliminary vs. final
		ICD-10	ICD-9					
001	Salmonella infections.....	52	58	0.897	0.069	7.7	0.811	10.6
002	Shigellosis and amebiasis.....	7	8	*	*	*	*	*
003	Certain other intestinal infections.....	704	819	0.860	0.028	3.2	*	*
004	Tuberculosis.....	1,058	1,201	0.881	0.015	1.7	0.855	3.1
005	Respiratory tuberculosis.....	857	912	0.940	0.017	1.8	0.906	3.8
006	Other tuberculosis.....	201	289	0.696	0.036	5.1	0.703	-1.1
007	Whooping cough.....	6	4	*	*	*	*	*
008	Scarlet fever and erysipelas.....	1	3	*	*	*	*	*
009	Meningococcal infection.....	285	288	0.990	0.020	2.0	0.996	-0.6
010	Septicemia.....	25,390	21,336	1.190	0.004	0.3	1.195	-0.4
011	Syphilis.....	57	73	0.781	0.087	11.2	0.636	22.7
012	Acute poliomyelitis.....	1	—	*	*	*	*	*
013	Arthropod-borne viral encephalitis.....	2	3	*	*	*	*	*
014	Measles.....	1	1	*	*	*	*	*
015	Viral hepatitis.....	2,693	3,769	0.715	0.008	1.1	0.834	-14.4
016	Human immunodeficiency virus (HIV) disease.....	33,441	30,904	1.082	0.002	0.2	1.064	1.7
017	Malaria.....	5	5	*	*	*	*	*
018	Other and unspecified infectious and parasitic diseases and their sequelae.....	5,716	6,278	0.910	0.011	1.2	1.099	-17.2
019	Malignant neoplasms.....	542,914	537,906	1.009	0.000	0.0	1.007	0.2
020	Malignant neoplasms of lip, oral cavity and pharynx.....	7,519	7,835	0.960	0.004	0.4	0.960	-0.1
021	Malignant neoplasm of esophagus.....	11,139	11,199	0.995	0.002	0.2	0.997	-0.2
022	Malignant neoplasm of stomach.....	13,385	13,292	1.007	0.002	0.2	1.006	0.1
023	Malignant neoplasms of colon, rectum and anus.....	56,221	56,291	0.999	0.001	0.1	0.999	-0.1
024	Malignant neoplasms of liver and intrahepatic bile ducts.....	11,126	11,542	0.964	0.002	0.3	0.963	0.1
025	Malignant neoplasm of pancreas.....	27,089	27,168	0.997	0.001	0.1	0.998	-0.1
026	Malignant neoplasm of larynx.....	3,927	3,907	1.005	0.005	0.5	1.005	0.0
027	Malignant neoplasms of trachea, bronchus and lung.....	149,206	151,573	0.984	0.001	0.1	0.984	0.1
028	Malignant melanoma of skin.....	6,892	7,259	0.949	0.004	0.4	0.968	-1.9
029	Malignant neoplasm of breast.....	43,644	43,327	1.007	0.001	0.1	1.006	0.2
030	Malignant neoplasm of cervix uteri.....	4,517	4,534	0.996	0.004	0.4	0.987	0.9
031	Malignant neoplasms of corpus uteri and uterus, part unspecified.....	6,444	6,292	1.024	0.004	0.4	1.026	-0.2
032	Malignant neoplasm of ovary.....	13,043	13,125	0.994	0.002	0.2	0.995	-0.2
033	Malignant neoplasm of prostate.....	34,497	34,008	1.014	0.001	0.1	1.013	0.1
034	Malignant neoplasms of kidney and renal pelvis.....	11,028	11,068	0.996	0.002	0.2	1	-0.4
035	Malignant neoplasm of bladder.....	11,350	11,406	0.995	0.003	0.3	0.997	-0.2
036	Malignant neoplasms of meninges, brain and other parts of central nervous system.....	12,052	12,331	0.977	0.003	0.3	0.969	0.9
037	Malignant neoplasms of lymphoid, hematopoietic and related tissue.....	55,029	54,788	1.004	0.001	0.1	1.004	0.0
038	Hodgkin's disease.....	1,408	1,404	1.003	0.010	1.0	0.986	1.8
039	Non-Hodgkin's lymphoma.....	22,377	22,865	0.979	0.002	0.2	0.978	0.1
040	Leukemia.....	20,507	20,296	1.010	0.002	0.2	1.012	-0.1
041	Multiple myeloma and immunoproliferative neoplasms.....	10,665	10,223	1.043	0.003	0.3	1.038	0.5
042	Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue.....	72	—	*	*	*	*	*
043	All other and unspecified malignant neoplasms.....	64,806	56,961	1.138	0.002	0.2	1.125	1.1
044	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior.....	12,411	7,607	1.632	0.014	0.9	1.674	-2.6
045	Anemias.....	4,071	4,317	0.943	0.008	0.8	0.956	-1.3
046	Diabetes mellitus.....	62,673	61,485	1.019	0.001	0.1	1.008	1.1
047	Nutritional deficiencies.....	3,839	3,678	1.044	0.013	1.2	1.164	-10.3
048	Malnutrition.....	3,535	3,507	1.008	0.013	1.3	0.978	3.0
049	Other nutritional deficiencies.....	304	171	1.778	0.121	6.8	6.204	-71.3
050	Meningitis.....	754	745	1.012	0.016	1.6	1.014	-0.2

Table 1. Final and preliminary comparability ratios for 113 selected causes of death

List number	Cause of death	Number of deaths allocated according to		Final comparability ratio	Standard error of ratio	Relative standard error of ratio	Preliminary comparability ratio, as published	Percent difference preliminary vs. final
		ICD-10	ICD-9					
051	Parkinson's disease.....	11,916	11,797	1.010	0.003	0.3	1.001	0.9
052	Alzheimer's disease.....	33,667	21,292	1.581	0.007	0.4	1.554	1.8
053	Major cardiovascular diseases	942,439	945,945	0.996	0.000	0.0	0.998	-0.2
054	Diseases of heart	719,631	730,444	0.985	0.000	0.0	0.986	-0.1
055	Acute rheumatic fever and chronic rheumatic heart diseases	4,387	4,976	0.882	0.007	0.8	0.821	7.4
056	Hypertensive heart disease.....	20,739	25,973	0.798	0.003	0.3	0.803	-0.5
057	Hypertensive heart and renal disease.....	2,806	2,490	1.127	0.015	1.3	1.071	5.3
058	Ischemic heart diseases.....	543,063	542,728	1.001	0.000	0.0	0.999	0.2
059	Acute myocardial infarction.....	209,916	212,992	0.986	0.000	0.0	0.989	-0.3
060	Other acute ischemic heart diseases	3,084	2,876	1.072	0.013	1.2	1.011	6.1
061	Other forms of chronic ischemic heart disease ..	330,063	326,860	1.010	0.000	0.0	1.005	0.4
062	Atherosclerotic cardiovascular disease, so described	72,231	68,150	1.060	0.002	0.2	1.049	1.1
063	All other forms of chronic ischemic heart disease	257,832	258,710	0.997	0.000	0.0	0.994	0.3
064	Other heart diseases.....	148,636	154,277	0.963	0.001	0.1	0.972	-0.8
065	Acute and subacute endocarditis	864	838	1.031	0.018	1.8	0.996	3.5
066	Diseases of pericardium and acute myocarditis ..	750	714	1.050	0.018	1.8	1.030	2.0
067	Heart failure.....	48,876	47,052	1.039	0.001	0.1	1.041	-0.2
068	All other forms of heart disease.....	98,146	105,673	0.929	0.001	0.2	0.937	-0.9
069	Essential (primary) hypertension and hypertensive renal disease	14,381	12,884	1.116	0.005	0.4	1.119	-0.3
070	Cerebrovascular diseases	166,837	158,855	1.050	0.001	0.1	1.059	-0.8
071	Atherosclerosis.....	16,086	16,655	0.966	0.003	0.3	0.964	0.2
072	Other diseases of circulatory system	25,504	27,107	0.941	0.002	0.2	0.946	-0.5
073	Aortic aneurysm and dissection	16,371	16,361	1.001	0.002	0.2	1.001	-0.1
074	Other diseases of arteries, arterioles and capillaries ...	9,133	10,746	0.850	0.005	0.6	0.850	0.0
075	Other disorders of circulatory system.....	4,105	4,207	0.976	0.014	1.4	1.029	-5.2
076	Influenza and pneumonia	57,915	83,045	0.697	0.002	0.2	0.698	-0.1
077	Influenza	743	743	1.000	0.011	1.1	1.009	-0.9
078	Pneumonia	57,172	82,302	0.695	0.002	0.2	0.696	-0.1
079	Other acute lower respiratory infections	461	474	0.973	0.038	3.9	0.975	-0.2
080	Acute bronchitis and bronchiolitis.....	342	474	0.722	0.026	3.6	0.747	-3.3
081	Unspecified acute lower respiratory infection	119	—	*	*	*	*	*
082	Chronic lower respiratory diseases	109,746	105,411	1.041	0.001	0.1	1.048	-0.6
083	Bronchitis, chronic and unspecified.....	1,207	3,127	0.386	0.009	2.4	0.394	-1.9
084	Emphysema.....	16,521	17,179	0.962	0.003	0.3	0.973	-1.1
085	Asthma	4,971	5,614	0.885	0.006	0.7	0.894	-0.9
086	Other chronic lower respiratory diseases	87,047	79,491	1.095	0.001	0.1	1.097	-0.2
087	Pneumoconioses and chemical effects	1,154	1,135	1.017	0.011	1.0	1.018	-0.1
088	Pneumonitis due to solids and liquids	11,338	10,264	1.105	0.005	0.4	1.119	-1.2
089	Other diseases of respiratory system.....	20,676	18,621	1.110	0.005	0.4	1.167	-4.9
090	Peptic ulcer.....	4,979	5,127	0.971	0.005	0.5	0.970	0.2
091	Diseases of appendix	410	421	0.974	0.023	2.4	1.035	-5.9
092	Hernia.....	1,408	1,391	1.012	0.012	1.2	1.040	-2.6
093	Chronic liver disease and cirrhosis.....	25,659	24,861	1.032	0.003	0.3	1.037	-0.4
094	Alcoholic liver disease	11,971	11,962	1.001	0.005	0.5	1.018	-1.7
095	Other chronic liver disease and cirrhosis.....	13,688	12,899	1.061	0.004	0.4	1.054	0.7
096	Cholelithiasis and other disorders of gallbladder.....	2,706	2,816	0.961	0.007	0.7	0.957	0.4
097	Nephritis, nephrotic syndrome and nephrosis	30,401	24,215	1.255	0.004	0.3	1.232	1.9
098	Acute and rapidly progressive nephritic and nephrotic syndrome.....	208	320	0.650	0.032	5.0	0.647	0.5
099	Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic and renal sclerosis unspecified	670	1,629	0.411	0.013	3.2	0.386	6.6
100	Renal failure	29,487	22,224	1.327	0.005	0.4	1.295	2.5

Table 1. Final and preliminary comparability ratios for 113 selected causes of death

List number	Cause of death	Number of deaths allocated according to		Final comparability ratio	Standard error of ratio	Relative standard error of ratio	Preliminary comparability ratio, as published	Percent difference preliminary vs. final
		ICD-10	ICD-9					
101	Other disorders of kidney	11,916	11,797	0.857	0.099	11.5	0.909	-5.7
102	Infections of kidney	905	885	1.023	0.016	1.6	1.007	1.6
103	Hyperplasia of prostate	462	455	1.015	0.017	1.7	0.997	1.9
104	Inflammatory diseases of female pelvic organs.....	100	112	0.893	0.046	5.2	0.984	-9.3
105	Pregnancy, childbirth and the puerperium.....	325	285	1.140	0.037	3.3	*	*
106	Pregnancy with abortive outcome	41	39	1.051	0.105	10.0	*	*
107	Other complications of pregnancy, childbirth and the puerperium	284	246	1.154	0.044	3.8	*	*
108	Certain conditions originating in the perinatal period	13,892	12,916	1.076	0.003	0.3	1.066	0.9
109	Congenital malformations, deformations and chromosomal abnormalities	10,514	11,740	0.896	0.005	0.5	0.847	5.7
110	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	24,877	25,506	0.975	0.003	0.3	0.955	2.1
111	All other diseases (Residual).....	146,846	160,672	0.914	0.001	0.1	0.900	1.6
112	Accidents (unintentional injuries).....	88,815	86,639	1.025	0.001	0.1	1.031	-0.5
113	Transport accidents	45,786	46,053	0.994	0.001	0.1	0.998	-0.4
114	Motor vehicle accidents	41,001	43,037	0.953	0.001	0.1	0.853	11.7
115	Other land transport accidents	2,610	729	3.580	0.116	3.2	*	*
116	Water, air and space, and other and unspecified transport accidents and their sequelae	2,175	2,287	0.951	0.010	1.0	1.012	-6.0
117	Nontransport accidents	43,029	40,586	1.060	0.001	0.1	1.076	-1.5
118	Falls	10,743	13,916	0.772	0.004	0.5	0.841	-8.2
119	Accidental discharge of firearms	1,049	1,032	1.016	0.005	0.5	1.058	-3.9
120	Accidental drowning and submersion	3,542	3,440	1.030	0.006	0.5	0.997	3.3
121	Accidental exposure to smoke, fire and flames	3,647	3,649	0.999	0.004	0.4	0.974	2.6
122	Accidental poisoning and exposure to noxious substances	8,236	7,953	1.036	0.003	0.3	*	*
123	Other and unspecified nontransport accidents and their sequelae	15,812	10,596	1.492	0.009	0.6	1.419	5.2
124	Intentional self-harm (suicide)	29,974	29,907	1.002	0.000	0.0	0.996	0.6
125	Intentional self-harm (suicide) by discharge of firearms.....	17,905	17,884	1.001	0.001	0.1	0.998	0.3
126	Intentional self-harm (suicide) by other and unspecified means and their sequelae	12,069	12,023	1.004	0.001	0.1	0.990	1.4
127	Assault (homicide)	20,180	20,140	1.002	0.001	0.1	0.998	0.4
128	Assault (homicide) by discharge of firearms.....	13,881	13,855	1.002	0.001	0.1	0.997	0.5
129	Assault (homicide) by other and unspecified means and their sequelae	6,299	6,285	1.002	0.002	0.2	1.002	0.1
130	Legal intervention	307	328	0.936	0.019	2.0	*	*
131	Events of undetermined intent.....	2,745	2,782	0.987	0.004	0.4	*	*
132	Discharge of firearms, undetermined intent	222	222	1.000	0.009	0.9	*	*
133	Other and unspecified events of undetermined intent and their sequelae	2,523	2,560	0.986	0.004	0.4	*	*
134	Operations of war and their sequelae.....	7	12	*	*	*	*	*
135	Complications of medical and surgical care	1,912	3,033	0.630	0.014	2.1	*	*

- Quantity zero

... Category not applicable

* Figure does not meet standards of reliability or precision

From: http://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/Comparability/icd9_icd10/

Assault. Like suicide, this category (i.e., homicide) showed little difference between ICD-9 and ICD-10 coding; the comparability ratio was 1.0020. The reader is cautioned that this CR is applicable only to prior years' categories based on ICD-9 codes E960-E969. Under the ICD-9 classification, legal intervention (E970-E979) deaths were included in the leading cause of death category "Homicide." They no longer are. Further, NCHS has not published a comparability ratio for legal intervention deaths because the figure calculated did not meet standards of reliability or precision.

Super MICAR

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.

This software is being used because the number of deaths among Oregonians has increased substantially during recent years, but has not been accompanied by an increase in staff. Consequently, data availability became increasingly untimely.

An advantage of the Super Micar system is that all causes recorded on the death certificate are now included in the data file. We can 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).

Age-adjusted Rates

Most of the death rates in this report are not age-adjusted. Tables 6-43, 44, 51 and 52 are exceptions to this rule. The descriptive narrative of Chapter 6 frequently makes reference to age-adjusted rates and age- or sex-specific rates in addition to mentioning crude death rates. Because age-adjusted rates should be viewed as relative indexes (rather than as actual measures of mortality risk), it is important not to compare them directly to crude rates.

Age-adjusted death rates permit the comparison of populations with disparate age structures as if the populations had similar distributions. They should be used when comparing subsets (e.g., counties and races). See the formulas section of this

Year 2000 United States standard population: Numbers and proportions (weights)					
Age	Number	Weights	Age	Number	Weights
All ages.....	1,000,000	1.000000	35-44 years.....	162,613	0.162613
Under 1 year.....	13,818	0.013818	45-54 years.....	134,834	0.134834
1-4 years.....	55,317	0.055317	55-64 years.....	87,247	0.087247
5-14 years.....	145,565	0.145565	65-74 years.....	66,037	0.066037
15-24 years.....	138,646	0.138646	75-84 years.....	44,842	0.044842
25-34 years.....	135,573	0.135573	85 years and over.....	15,508	0.015508
Minino AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: Final Data for 2000. National vital statistics reports; vol 50 no 15 Hyattsville, Maryland: National Center for Health Statistics. 2002. p117.					

Appendix for instructions on calculating age-adjusted rates. Rates may also be computed on-line at the federal Centers for Disease Control (CDC) site.

All of the age-adjusted rates of this report were computed by applying age-specific death rates to the U.S. standard population for the Year 2000 shown in the accompanying table:

Tobacco-linked Deaths

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.

YOUTH SUICIDE ATTEMPTS

Data in the youth suicide attempts section were compiled from teen suicide attempt reports and death certifications files with the Oregon Department of Human Services' 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 was the source of the population data. Methods of attempts are classified according to the International Classification of Diseases (ICD). The name of the attempter is not recorded on attempts reported to the Center for Health Statistics.

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.

ENDNOTE

1. This description is drawn from *National Vital Statistics Report*, Vol. 49, No. 2, June 26, 2001, which includes additional detail not included here. The document is available online at:
http://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/Comparability/icd9_icd10/

Technical Notes — Step-by-Step Instructions

"Through and through the world is infested with quantity: To talk sense is to talk quantities. It is no use saying the nation is large—How large? It is no use saying that radium is scarce—How scarce? You cannot evade quantity. You may fly to poetry and music, and quantity and number will face you in your rhythms and your octaves."

—Alfred North Whitehead

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

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

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

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.

Resident 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.

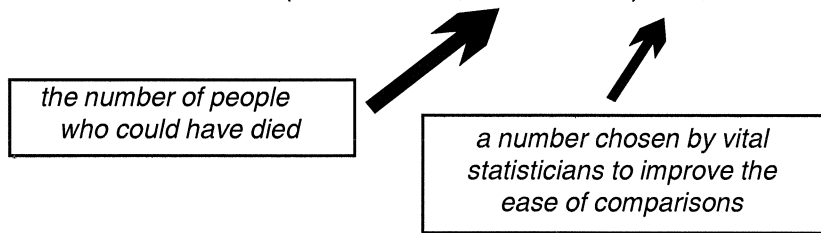
STEP 2: MAKING THE NUMBER MEANINGFUL WITH RATES AND RATIOS

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 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

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

number of births. This is easier and more accurate than trying to determine the true denominator, which is the total number of pregnant women.

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.

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

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 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.²

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.

	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

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.

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 lower respiratory 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 CLRD 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 this report to illustrate changes. And finally, the staff of the Center for Health Statistics are available for data users who need assistance.

ENDNOTE

- 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. Nevertheless, a measure which excludes these outcomes provides an adequate indicator of the number of pregnancies.
- 2 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.
<http://www.cdc.gov/nchs/data/statnthp/statnthp02acc.pdf>

Technical Notes — Formulas

GENERAL:

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

Birth rate, Oregon, 1993 = 13.7

Birth rate, Oregon, 1994 = 13.6

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

PREGNANCY:

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

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

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

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

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

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

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

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

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

$$5. \text{ FETAL DEATH RATIO} = \frac{\text{Resident Fetal Deaths (350+ grams Birthweight)}}{\text{Resident Live Births}} \times 1,000$$

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

$$\text{FETAL DEATH RATE} = \frac{\text{Resident Fetal Deaths (350+ grams Birthweight)}}{\text{Resident Live Births} + \text{Resident Fetal Deaths}} \times 1,000$$

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

$$\text{PERINATAL DEATH RATE} = \frac{\text{Resident Neonatal Deaths} + \text{Resident Fetal Deaths (350+ grams Birthweight)}}{\text{Resident Live Births} + \text{Resident Fetal Deaths}} \times 1,000$$

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

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

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

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

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

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

DEATHS:

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

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

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

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

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

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

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

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

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

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

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

$$\text{Oregon, 1994, Males Aged 5-14} = \frac{63}{225,880} \times 100,000 = 27.9$$

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:

Beginning with 1998 data, the following methodology is being used for calculating confidence intervals and statistical significance. This explanation is paraphrased from *"Public Health Data: Our Silent Partner"*, a training manual from the Public Health Practice Program Office of the National Center for Health Statistics.¹

Confidence limits for rates based on less than 100 events

When the number of events in the numerator is less than 100, the confidence interval for a rate can be estimated using the two formulas which follow and the values in Table B-1.

Lower Limit = $R \times L$

Upper Limit = $R \times U$

where:

R = the rate

L = the value in Table B-1 that corresponds to the number N in the numerator of the rate

U = the value in Table B-1 that corresponds to the number N in the numerator of the rate

Example: Confidence limits for rates based on less than 100 events

In Baker County, the teen pregnancy rate for 10- to 17-year-old teens in 1998 was 13.0 per thousand, based on 12 live births in the numerator. Using Table B-1:

Lower Limit = $13.0 \times 0.51671 = 6.7$

Upper Limit = $13.0 \times 1.7468 = 22.7$

This means that the chances are 95 out of 100 that the pregnancy rate in Baker County for teens 10-17 lies between 6.7 and 22.7 per 1,000. So if there were 100 counties like Baker County, the teen pregnancy rate would be expected to lie between 6.7 and 22.7 per 1,000 in 95 of these counties.

Confidence limits for rates based on 100 or more events

In this case, use the following formula for the rate (R) based on the number of events (N):

$$\text{Lower Limit} = R - [1.96 \times R / \sqrt{N}]$$

$$\text{Upper Limit} = R + [1.96 \times R / \sqrt{N}]$$

where:

R = the rate (birth rate, mortality rate, teen pregnancy rate, etc.)

N = the number of events (births, deaths, teen pregnancy, etc.)

TABLE B-1.

Values of L and U for calculating 95% confidence limits for the numbers of events
and rates when the number of events is less than 100.

N	L	U	N	L	U	N	L	U
1	0.02532	5.57164	34	0.69253	1.3974	67	0.77499	1.26996
2	0.1211	3.61234	35	0.69654	1.39076	68	0.77654	1.26774
3	0.20622	2.92242	36	0.70039	1.38442	69	0.77806	1.26556
4	0.27247	2.5604	37	0.70409	1.37837	70	0.77955	1.26344
5	0.3247	2.33367	38	0.70766	1.37258	71	0.78101	1.26136
6	0.36698	2.17658	39	0.7111	1.36703	72	0.78244	1.25933
7	0.40205	2.06038	40	0.71441	1.36172	73	0.78384	1.25735
8	0.43173	1.9704	41	0.71762	1.35661	74	0.78522	1.25541
9	0.45726	1.89831	42	0.72071	1.35171	75	0.78656	1.25351
10	0.47954	1.83904	43	0.7237	1.34699	76	0.78789	1.25165
11	0.4992	1.78928	44	0.7266	1.34245	77	0.78918	1.24983
12	0.51671	1.7468	45	0.72941	1.33808	78	0.79046	1.24805
13	0.53246	1.71003	46	0.73213	1.33386	79	0.79171	1.2463
14	0.54671	1.67783	47	0.73476	1.32979	80	0.79294	1.24459
15	0.55969	1.64935	48	0.73732	1.32585	81	0.79414	1.24291
16	0.57159	1.62394	49	0.73981	1.32205	82	0.79533	1.24126
17	0.58254	1.6011	50	0.74222	1.31838	83	0.79649	1.23965
18	0.59266	1.58043	51	0.74457	1.31482	84	0.79764	1.23807
19	0.60207	1.56162	52	0.74685	1.31137	85	0.79876	1.23652
20	0.61083	1.54442	53	0.74907	1.30802	86	0.79987	1.23499
21	0.61902	1.52861	54	0.75123	1.30478	87	0.80096	1.2335
22	0.62669	1.51401	55	0.75334	1.30164	88	0.80203	1.23203
23	0.63391	1.50049	56	0.75539	1.29858	89	0.80308	1.23059
24	0.64072	1.48792	57	0.75739	1.29562	90	0.80412	1.22917
25	0.64715	1.4762	58	0.75934	1.29273	91	0.80514	1.22778
26	0.65323	1.46523	59	0.76125	1.28993	92	0.80614	1.22641
27	0.65901	1.45495	60	0.76311	1.2872	93	0.80713	1.22507
28	0.66449	1.44528	61	0.76492	1.28454	94	0.8081	1.22375
29	0.66972	1.43617	62	0.76669	1.28195	95	0.80906	1.22245
30	0.6747	1.42756	63	0.76843	1.27943	96	0.81	1.22117
31	0.67945	1.41942	64	0.77012	1.27698	97	0.81093	1.21992
32	0.684	1.4117	65	0.77178	1.27458	98	0.81185	1.21868
33	0.68835	1.40437	66	0.7734	1.27225	99	0.81275	1.21746

Example: Confidence limits for rates based on 100 or more events

In Jackson County, the teen pregnancy rate for teens 10-17 was 13.7 in 1998 based on 143 pregnancies. Therefore, the confidence interval would be:

$$\begin{aligned}
 \text{Lower Limit} &= 13.7 - [1.96 \times (13.7 / \sqrt{143})] \\
 &= 13.7 - [1.96 \times 1.15] \\
 &= 13.7 - 2.25 \\
 &= 11.5
 \end{aligned}
 \qquad
 \begin{aligned}
 &= 13.7 - [1.96 \times (13.7 / 11.96)] \\
 &= 13.7 + [1.96 \times 1.15] \\
 &= 13.7 + 2.25 \\
 &= 16.0
 \end{aligned}$$

$$\begin{aligned}
 \text{Upper Limit} &= 13.7 + [1.96 \times (13.7 / \sqrt{143})] \\
 &= 13.7 + [1.96 \times 1.15] \\
 &= 13.7 + 2.25 \\
 &= 16.0
 \end{aligned}
 \qquad
 \begin{aligned}
 &= 13.7 + [1.96 \times (13.7 / 11.96)] \\
 &= 13.7 + [1.96 \times 1.15] \\
 &= 13.7 + 2.25 \\
 &= 16.0
 \end{aligned}$$

So if there were 100 counties like Jackson County with similar populations, the teen pregnancy rate would be expected to lie between 11.5 and 16.0 per 1,000 in 95 of these counties.

DETERMINING STATISTICAL SIGNIFICANCE FOR RATES:

If the difference between two rates would occur due to random variability less than 5 times out of 100, then we say that the difference is statistically significant at the 95% level. Otherwise the difference is not statistically significant.

Computing statistical significance when at least one of the rates is based on fewer than 100 events

To compare two rates, when one or both rates are based on fewer than 100 events, compute the confidence intervals for both rates. If the intervals overlap, the difference is not statistically significant.

Example: comparing rates when one is based on fewer than 100 events

Baker County teen pregnancy rate for age 10-17

Lower Limit = 6.7

Upper Limit = 22.7

Jackson County teen pregnancy rate for age 10-17

Lower Limit = 11.5

Upper Limit = 16.0

The confidence intervals overlap - the interval for Jackson County is entirely within the range of the interval for Baker County. Therefore, the difference between the teen pregnancy rate for age 10-17 in Baker County and the rate for Jackson County is not statistically significant.

Computing statistical significance when both rates are based on 100 or more events

When both rates are based on 100 or more events, calculate the difference between the two rates by subtracting the lower rate from the higher rate. The difference is considered statistically significant if it exceeds 1.96 times the standard error for the difference between the two rates.

$$1.96 \sqrt{\frac{R_1^2}{N_1} + \frac{R_2^2}{N_2}}$$

where:

R_1 = the first rate

R_2 = the second rate

N_1 = the first number

N_2 = the second number

If the difference is greater than the statistic, the difference would occur by chance less than 5 times out of 100. The difference is statistically significant at the 95 percent confidence level.

If the difference is less than the statistic, the difference might occur by chance more than 5 times out of 100. The difference is not statistically significant at the 95 percent confidence level.

Example: comparing rates when both are based on 100 or more events

The teen pregnancy rate for Oregon teens age 10-17 in 1997 was 18.0 and the comparable rate for 1998 was 17.2. Both rates are based on more than 100 pregnancies (3,197 in 1997 and 3,176 in 1998). The difference between the rates is $18.0 - 17.2 = 0.8$. The statistic is calculated as follows:

$$1.96 \sqrt{\frac{18.0^2}{3,197} + \frac{17.2^2}{3,176}} =$$

$$1.96 \sqrt{\left(\frac{324}{3,197} + \frac{295.84}{3,176}\right)} =$$

$$1.96 \sqrt{(0.101 + 0.093)} =$$

$$1.96 \sqrt{0.194} =$$

$$1.96 \times .44 =$$

$$0.86$$

The difference between the rates (0.8) is less than this statistic (0.9). Therefore, the difference is not statistically significant. A difference of 0.8 between these two rates might occur by chance more than 5 times out of 100.

CALCULATING AGE-ADJUSTED DEATH RATES

To avoid false conclusions regarding mortality risks, caution must be used in comparing groups in terms of crude death rates. While these are accurate measures of the number of deaths per unit of population, they can be affected by the age distribution within subsets (e.g., counties). An apparent difference could simply be the result of different age compositions. One solution is to make comparisons based on individual age-specific rates for each subset, however, this can be time-consuming. A less cumbersome method of making comparisons is the age-adjusted death rate, a summary measure based on all of the age-specific death rates of a subset.² Age-adjusted rates are useful in comparing relative risks over time, across geographic areas, or among other subsets (e.g., race) of the population that have different age compositions. Age-adjusted death rates eliminate differences that would be caused because one population is older relative to another. It is a hypothetical rate for a subset as if its age composition was that of the standard population.

Beginning with mortality data for 1999, the standard population used by the National Center for Health Statistics (NCHS), and Oregon Center for Health Statistics (OCHS), to calculate age-adjusted death rates is based on the Year 2000 estimated population distribution, replacing that of 1940, used previously. When subsets with small populations are compared, it is preferable to base rates on multiple years to reduce the random statistical variation that can occur with annual rates. In this report, age-adjusted death rates for counties are based on three-year periods. Age-adjusting results in theoretical rates that should be compared only to rates calculated using the same age groups and standard population. Rates may also be adjusted for other factors (e.g., sex, race) using the same methodology shown below.

The age-adjusted death rates in this annual report were computed using the direct method, that is, by applying age-specific death rates to the Year 2000 U.S. Standard Population.^{3,4} These rates may differ slightly from federally published age-adjusted rates due to different population estimate sources, different cut-off dates employed in determining the number of

Counties	Age Groups						
	<1	1-4	5-14	15-24	25-34	35-44	45-54
Standard Proportion	0.013818	0.055317	0.145565	0.138646	0.135573	0.162613	0.134834
<u>Josephine County</u>							
Deaths	20	2	5	16	26	89	163
Population	2,242	9,680	31,211	24,718	22,159	31,412	35,312
Age-specific Rate	892.1	20.7	16.0	64.7	117.3	283.3	461.6
<u>Multnomah County</u>							
Deaths	148	24	36	151	327	694	1,353
Population	28,061	107,767	244,468	276,591	349,078	324,477	295,029
Age-specific Rate	527.4	22.3	14.7	54.6	93.7	213.9	458.6

deaths for a particular year, and correction of miscoded underlying causes of death. The formula used to calculate age-adjusted death rates using the direct method is as follows:

$$AADR = 3w_i \times ((d_i/p_i) \times 100,000) = 3w_i \times R_i$$

where

w_i = proportion of each age group of the standard population (see below).

d_i = the number of deaths in the subset.

p_i = the (estimated) population of the subset.

R_i = age-specific death rate, usually expressed per 100,000 population.

An Example

Assessing the risk of death using crude death rates for residents of Josephine County and Multnomah County would indicate that the former were at an elevated risk of death relative to the latter. The crude death rate for Josephine County during 2000-2002 was 1,289.1 per 100,000 population while the rate for Multnomah County was 866.4, a 48.8 percent difference. But it would be a mistake to conclude that the risk of death was greater for Josephine County residents than for Multnomah County residents. Calculation of age-adjusted rates show that the risk was actually greater for Multnomah County residents (with a rate of 908.0) than for Josephine County residents (with a rate of 882.3), so that instead of being 48.8 percent more likely to die during the three-year period, Josephine residents actually enjoyed a 2.8 percent lower risk.

The age-adjusted death rates controlled for the age distribution of residents within each county and reflected the age-specific death rates of those groups. Josephine County residents were far more likely to be 55 or older (32.0 percent of the population) than were Multnomah County residents (18.7 percent) while age-specific rates were higher for Multnomah County residents ages 55-84 (54.2 percent of the deaths) than for their counterparts living in Josephine County.

Age Groups				Crude Rate	Age-adjusted Rate	Counties
55-64	65-74	75-84	85+			
0.087247	0.066037	0.044842	0.015508	-	-	Standard Proportion
272	538	949	892	2,972	-	<u>Josephine County</u> Deaths
27,593	23,454	17,213	5,565	230,559	-	Population
985.8	2,293.9	5,513.3	16,028.8	1,289.1	882.3	Age-specific Rate
1,617	2,717	5,059	5,194	17,320	-	<u>Multnomah County</u> Deaths
152,171	103,760	85,178	32,420	1,999,000	-	Population
1,062.6	2,618.5	5,939.3	16,021.0	866.4	908.0	Age-specific Rate

The following shows how the rates were calculated using the data in the table on the previous two pages:

Josephine County

$$\text{AADR} = (0.013818 \times 892.1) + (0.055317 \times 20.7) + (0.145565 \times 16.0) + (0.138646 \times 64.7) + (0.135573 \times 117.3) + (0.162613 \times 283.3) + (0.134834 \times 461.6) + (0.087247 \times 985.6) + (0.066037 \times 2293.9) + (0.044842 \times 5513.3) + (0.015508 \times 16,028.8) = 882.3$$

Multnomah County

$$\text{AADR} = (0.013818 \times 527.4) + (0.055317 \times 22.3) + (0.145565 \times 14.7) + (0.138646 \times 54.6) + (0.135573 \times 93.7) + (0.162613 \times 213.9) + (0.134834 \times 458.6) + (0.087247 \times 1062.6) + (0.066037 \times 2618.5) + (0.044842 \times 5939.3) + (0.015508 \times 16021.0) = 908.0$$

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Appendix C: List of Figures and Tables

FIGURES

Section 6.

Figure 6-1.	Total Death Rates, Oregon and the U.S., 1965-2004.....	6-1
Figure 6-2.	Age-Specific Death Rates, Oregon Residents, 1980-2004.....	6-2
Figure 6-3.	Proportion of Deaths by Selected Age Groups, Oregon Residents, 1920-2004 ...	6-4
Figure 6-4.	Cancer Death Rates, Oregon and the U.S., 1965-2004.....	6-6
Figure 6-5.	Leading Causes of Years of Potential Life Lost and Corresponding Death Rates, Oregon Residents, 2004	6-7
Figure 6-6.	Distribution of Malignant Neoplasms by Sex and Site, Oregon Residents, 2004	6-8
Figure 6-7.	Heart Disease Death Rates, Oregon and the U.S., 1965-2004	6-8
Figure 6-8.	Cerebrovascular Disease Death Rates, Oregon and the U.S., 1965-2004	6-9
Figure 6-9.	CLRD Death Rates, Oregon and the U.S., 1965-2004.....	6-10
Figure 6-10.	Unintentional Injury Death Rates, Oregon and the U.S., 1965-2004	6-11
Figure 6-11.	Percentage of Deaths by Cause and Age, Oregon Residents, 2004.....	6-11
Figure 6-12.	Unintentional Injury Death Rates by Age and Type of Injury, Oregon Residents, 2004	6-12
Figure 6-13.	Percentage Change in the Mortality Rate for Selected Causes of Death Between 1994 and 2004, Oregon Residents	6-15
Figure 6-14.	Median Age at Death for Selected Causes of Death, Oregon Residents, 2004 ..	6-16
Figure 6-15.	Suicide Death Rates by Method, Sex, and Age Group, Oregon Residents, 2004.....	6-17
Figure 6-16.	Age-specific Alcohol-induced Death Rates, by Sex, Oregon Residents, 2004 ...	6-19
Figure 6-17.	Alzheimer's Disease and Parkinson's Disease Age-adjusted Death Rates, Oregon and the U.S., 1990-2004	6-20
Figure 6-18.	Age-specific Homicide Rates, Oregon Residents, 1990-1994 and 2000-2004.....	6-22
Figure 6-19.	Number of AIDS Deaths by Age During 2004 and by Year During 1984-2004, Oregon Residents.....	6-23

Section 7.

Figure 7-1.	Infant Deaths by Age, Oregon Death Cohort, 2004	7-1
Figure 7-2.	Sudden Infant Death Syndrome Rates, Oregon and the U.S., 1979-2004.....	7-3
Figure 7-3.	Neonatal and Postneonatal Death Rates, Oregon Residents, 1945-2004	7-4
Figure 7-4.	Neonatal Death Rates, Oregon and the U.S., 1976-2004.....	7-5
Figure 7-5.	Fetal Death Ratio, Oregon Residents, 1928-2004.....	7-6
Figure 7-6.	Fetal, Neonatal and Perinatal Death Definition II Rates, Oregon 1985-2004.....	7-8
Figure 7-7.	Neonatal Death Rates by Birthweight, Oregon Birth Cohort, 2001-2003.....	7-9

Section 8.

Figure 8-1.	Suicide Rates for 15- to 19-Year-Olds, Three-Year Moving Averages, 1981-2004, Oregon Residents.....	8-1
Figure 8-2.	Suicide Death Rates for 15- to 19-Year Olds, Oregon and the U.S., 1994-2004 ...	8-2
Figure 8-3.	Number of Suicide Attempts by Sex, Oregon Minors, 2004	8-3
Figure 8-4.	Suicide Attempt Rates by County of Residence, Oregon Minors, 2004.....	8-4
Figure 8-5.	Percentage of Attempts Where the Youth Told Another Person of the Planned Attempt, Oregon Minors, 2004	8-6
Figure 8-6.	Suicide Attempts by Method and Sex, Oregon Minors, 2004.....	8-7
Figure 8-7.	Percentage of Suicide Attempts Among Oregon Minors, by Reasons Given by Each Sex, 2004.....	8-9
Figure 8-8.	Percentage of Attempts Linked to Substance Abuse by Age, Oregon Minors, 2004	8-10
Figure 8-9.	Percentage of Cases Where Youths Treated for Suicide Attempts Were Not Referred for Follow-up Care, by Admission Status, Oregon Minors, 2004	8-11

TABLES**Section 5.**

	Summary of Oregon Vital Events, 2004.....	5-1
Table 5-1.	Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, U.S., 1945-2004.....	5-2
Table 5-2.	Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, Oregon, 1910, 1915, 1920, 1925, 1930, 1935-2004.....	5-4
Table 5-3.	Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, by County of Residence, Oregon, 2004.....	5-6

Section 6.

Table 6-1.	Age-specific Death Rates by Sex, Oregon Residents, 1940, 1950, 1960, 1970, 1980, 1990, 1995, 2000-2004.....	6-28
Table 6-2.	Leading Causes of Death by Rank Order for Resident Males and Females by Number, Rate, Percent, and Median Age at Death, Oregon, 2004	6-29
Table 6-3.	Selected Leading Causes of Death with Rates, Oregon Residents, 1985-2004...	6-30
Table 6-4.	Leading Causes of Death by Age Group and Sex, Oregon Residents, 2004	6-32
Table 6-5.	Deaths by Marital Status, Sex, and Age, Oregon Residents, 2004	6-34
Table 6-6.	Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2004.....	6-35
Table 6-7t.	Total Death Rates for Selected Causes by Age, Oregon Residents, 2004	6-50
Table 6-7m.	Male Death Rates for Selected Causes by Age, Oregon Residents, 2004	6-56

Table 6-7f.	Female Death Rates for Selected Causes by Age, Oregon Residents, 2004	6-62
Table 6-8.	Number of Deaths by Cause and Month of Death, Oregon Residents, 2004	6-68
Table 6-9.	Deaths by Age, Race, and Ethnicity, Oregon Residents, 2004	6-69
Table 6-10.	Deaths by Cause, Race, and Ethnicity, Oregon Residents, 2004.....	6-70
Table 6-11.	Years of Potential Life Lost before Age 65 from the Leading Causes of Death, by Year, Oregon Residents, 1990-2004.....	6-71
Table 6-12.	Years of Potential Life Lost by Cause and Sex, Oregon Residents, 2004	6-72
Table 6-13.	Median Age at Death by Year and Cause, Oregon Residents, 1990-2004	6-73
Table 6-14.	Selected Causes of Death among Infants, Children, and Adolescents, by Age, Oregon Residents Less Than 20 Years Old, 2004.....	6-74
Table 6-15.	Deaths Due to Alcohol or Drugs by Sex, Age, Race/Ethnicity, and Educational Attainment, Oregon Residents, 2004.....	6-75
Table 6-16.	Deaths Due to Alcohol or Drugs by County of Residence, Oregon, 2004	6-76
Table 6-17.	Tobacco-linked Deaths by Sex, Age, and Education, Oregon Residents, 2004 .	6-77
Table 6-18.	Tobacco-linked Deaths by Cause of Death, Oregon Residents, 2004	6-78
Table 6-19.	Tobacco-linked Deaths by County of Residence, Oregon 2004	6-79
Table 6-20.	Number of Injury Deaths by Intent, Mechanism of Injury, and Age, Oregon Residents, 2004.....	6-80
Table 6-21.	Injury Death Rates by Intent, Mechanism of Injury, and Age, Oregon Residents, 2004	6-82
Table 6-22.	Number of Injury Deaths and Crude Death Rate by Mechanism and Intent, Oregon Residents, 2004.....	6-84
Table 6-23.	Unintentional Deaths by Type or Source of Injury, Age Groups, and Sex, Oregon Residents, 2004.....	6-85
Table 6-24.	Unintentional Fatal Falls by Type or Source, Age Groups, and Sex, Oregon Residents, 2004.....	6-86
Table 6-25.	Decedent's Mode of Travel by Collision Type for Land Transport-related Deaths in which the Injury Occurred in Oregon, 2004	6-87
Table 6-26.	Fatal Motor Vehicle Injuries Occurring in Oregon by Age, Sex, and Occupant and Traffic Status, 2004.....	6-88
Table 6-27.	Traffic Accidents in which the Injury Occurred in Oregon by Victim's Mode of Transport, Sex, and Age, 2004.....	6-89
Table 6-28.	Unintentional Deaths Due to Drowning which Occurred in Oregon, by Sex, Age, County of Injury, and Circumstances of Drowning, 2004.....	6-90
Table 6-29.	Deaths from Suicide, Homicide, Legal Intervention, and External Causes Undetermined Whether Unintentionally or Purposely Inflicted, by Age, Sex, and Method, Oregon Residents, 2004.....	6-91
Table 6-30.	Deaths Due to Firearms by Manner, Sex, Age, Race/Ethnicity, County of Residence, and Weapon Type, Oregon Residents, 2004	6-92

Table 6-31.	Fatal Overdoses and Poisonings by Manner, Type, Sex, Age Groups, Race/ethnicity, and Selected Counties of Residence, Oregon Residents, 2004.....	6-94
Table 6-32.	Leading Causes of Death by County of Residence, Oregon, 2004.....	6-96
Table 6-33.	Deaths by Age, Sex, and County of Residence, Oregon, 2004.....	6-98
Table 6-34.	Years of Potential Life Lost Before Age 65 by Cause and County of Residence, Oregon, 2004	6-100
Table 6-35.	Median Age at Death by Sex and County of Residence, Oregon, 2004	6-102
Table 6-36.	Deaths by Race, Ethnicity, and County of Residence, Oregon, 2004	6-103
Table 6-37.	Selected Causes of Death for Portland, Eugene, and Salem, Oregon Residents, 2004.....	6-104
Table 6-38.	Selected Causes of Death by County, Oregon Residents, 2004.....	6-105
Table 6-39.	All Deaths and Medical Examiner's Cases by County of Occurrence, Autopsy Status, and Manner of Death, Oregon, 2004	6-114
Table 6-40.	Deaths Occurring in Oregon by Disposal of Remains and County of Residence, 2004	6-115
Table 6-41.	Unintentional Injury Deaths for Selected Causes, by County of Residence, Oregon, 2004	6-116
Table 6-42.	Unintentional Injury Deaths for Selected Causes by County of Injury, Oregon, 2004.....	6-117
Table 6-43t.	Age-adjusted Death Rates for Selected Causes, Oregon Residents, Both Genders, 1999-2004.....	6-118
Table 6-43m.	Age-adjusted Death Rates for Selected Causes, Oregon Residents, Males, 1999-2004.....	6-120
Table 6-43f.	Age-adjusted Death Rates for Selected Causes, Oregon Residents, Females, 1999-2004	6-122
Table 6-44t.	Age-adjusted Death Rates for Selected Causes by County/geographic Region, Oregon Residents, 2002-2004	6-124
Table 6-44m.	Age-adjusted Death Rates for Selected Causes by County/geographic Region, Oregon Resident Males, 2002-2004.....	6-128
Table 6-44f.	Age-adjusted Death Rates for Selected Causes by County/geographic Region, Oregon Resident Females, 2002-2004.....	6-132
Table 6-45.	Selected Causes of Death for the Residents of Oregon's Largest Cities, 2004	6-136
Table 6-46.	Deaths Resulting from Injuries Occurring While at Work in Oregon by Sex, Age, Manner, Place, Weekday, and Time, 2004	6-137
Table 6-47.	Causes Mentioned on the Death Certificate but Which Were Not the Underlying Cause of Death, by County of Residence, Oregon, 2004.....	6-138
Table 6-48.	Causes Mentioned on the Death Certificate but Which Were Not the Underlying Cause of Death, by Sex and Age, Oregon, 2004.....	6-139
Table 6-49.	Place of Death by Sex, Age, and Selected Causes of Death, Oregon Residents, 2004	6-140

Table 6-50.	Death Rates for Selected Leading Causes of Mortality, United States, 1990-2004.....	6-141
Table 6-51.	Age-Adjusted Death Rates for Residents of Oregon and the United States for the Leading Causes of Death, 2003	6-142
Table 6-52.	Highest and Lowest Age-adjusted Death Rates by State, United States, 2003	6-143

Section 7.

Table 7-1.	Infant Deaths by Age and County of Residence, Oregon, 2004.....	7-11
Table 7-2.	Infant Deaths by Cause and Age, Oregon Residents, Death Cohort, 2004	7-12
Table 7-3.	Fetal Deaths by Age of Mother and County of Residence, Oregon, 2004	7-13
Table 7-4.	Fetal Deaths by Weeks of Gestation and Cause of Death, Oregon, 2004	7-14
Table 7-5.	Fetal Deaths by Weeks of Gestation and Age of Mother, Oregon Residents, 2004.....	7-15
Table 7-6.	Births by Weeks of Gestation and Weight, Oregon Residents, 2003	7-15
Table 7-7.	Fetal Deaths by Weeks of Gestation and Weight, Oregon Residents, 2003	7-16
Table 7-8.	Early Neonatal Deaths by Weeks of Gestation and Weight, Oregon Residents, Birth Cohort 2003	7-17
Table 7-9.	Late Neonatal Deaths by Weeks of Gestation and Weight, Oregon Residents, Birth Cohort 2003	7-18
Table 7-10.	Postneonatal Deaths by Weeks of Gestation and Weight, Oregon Residents, Birth Cohort 2003	7-19
Table 7-11.	Neonatal Deaths by Birthweight, Oregon Residents, Birth Cohort 2003	7-20
Table 7-12.	Neonatal Deaths by Birthweight, Oregon Residents, Birth Cohort, 2001-2003.....	7-21
Table 7-13.	Perinatal Death Rates by County of Residence, Oregon Residents, Birth Cohort, 2003.....	7-22
Table 7-14.	Perinatal Death Rates by County of Residence, Oregon Residents, Birth Cohort, 2001-2003	7-23
Table 7-15.	Perinatal Death Rates by Mother's Risk Factors, Oregon Residents, Birth Cohort, 2003.....	7-24
Table 7-16.	Perinatal Death Rates by Mother's Risk Factors, Oregon Residents, Birth Cohort, 2001-2003	7-25
Table 7-17.	Neonatal, Postneonatal, and Infant Death Rates by Mother's Risk Factors, Oregon Residents, Birth Cohort, 2003.....	7-26
Table 7-18.	Neonatal, Postneonatal, and Infant Death Rates by Mother's Risk Factors, Oregon Residents, Birth Cohort, 2001-2003	7-27

Section 8.

Table 8-1.	Number of Suicides Among Oregon Youth by Age and Sex, 1992-2004.....	8-13
------------	--	------

Table 8-2.	Number of Suicides among Oregon Youth by County of Residence and Age, 2000-2004	8-14
Table 8-3.	Suicide Attempts by Sex and Age, Oregon Minors, 2004	8-15
Table 8-4.	Suicide Attempts by Sex, Age and Living Situation, Oregon Minors, 2004.....	8-16
Table 8-5.	Suicide Attempts by Sex, Age, and County of Residence, Oregon Minors, 2004	8-17
Table 8-6.	Suicide Attempts by Sex and Place of Attempt, Oregon Minors, 2004.....	8-18
Table 8-7.	Prior Suicide Attempts During the Previous Five Years by Sex and Number of Attempts, Oregon Minors, 2004	8-18
Table 8-8.	Suicide Attempts by Sex, Age, and Whether Another Person Was Told of the Planned Attempt, Oregon Minors, 2004	8-19
Table 8-9.	Suicide Attempts by Sex, Age, and Method, Oregon Minors, 2004.....	8-20
Table 8-10.	Suicide Attempts by Presence of Previous Attempts and Method, Oregon Minors, 2004	8-21
Table 8-11.	Suicide Attempts by Sex, Age, and Hospital Admission Status, Oregon Minors, 2004	8-22
Table 8-12.	Suicide Attempts by Method and Hospital Admission Status, Oregon Minors, 2004	8-23
Table 8-13.	Reported Psychological Conditions among Youth Attempting Suicide by Age and Sex, Oregon Minors, 2004	8-24
Table 8-14.	Reasons Given for Suicide Attempts by Age and Sex, Oregon Minors, 2004	8-25
Table 8-15.	Reasons Given for Suicide Attempts by History of Previous Attempts, Oregon Minors, 2004	8-26
Table 8-16.	Reasons Given for Suicide Attempts by Hospital Admission Status, Oregon Minors, 2004	8-27
Table 8-17.	Suicide Attempts by City of Residence, Oregon Occurrence, Oregon Minors, 2004	8-28
Table 8-18.	Suicide Ideators by Sex, Age, Medical History and Reasons for Threatening an Attempt, Oregon Minors, 2004.....	8-29
Table 8-19.	Reported Adolescent Suicide Attempts by Hospital And County, Oregon 1994-2004	8-30

APPENDICES

Section A.

Table A-1.	Population Distribution by Age and Sex, Oregon, 1950, 1960, 1970, 1975, 1980, 1985, 1990-2004.....	A-1
Table A-2.	Population Estimates for Oregon and Its Counties by Age and Sex: July 1, 2004	A-3
Table A-3.	Forecasts of Oregon's County Populations, 2005-2040	A-6

TYPE OR
PRINT IN
PERMANENT
BLACK INK.

OREGON DEPARTMENT OF HUMAN SERVICES
CENTER FOR HEALTH STATISTICS

I.D. TAG NO.

CERTIFICATE OF DEATH

136-

Local File Number

State File Number

DECEDENT

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1. DECEDENT'S NAME First Middle Last			2. SEX		3. DATE OF DEATH (Month, Day, Year)						
4. SOCIAL SECURITY NUMBER		5a. AGE-Last Birthday (Years)		5b. Under 1 Year Mos. Days		5c. Under 1 Day Hours Mins.		6. BIRTHPLACE (City and State or Foreign Country)		7. DATE OF BIRTH (Month, Day, Year)	
8. WAS DECEDENT EVER IN U.S. ARMED FORCES? ☐ Yes ☐ No		9a. PLACE OF DEATH (Check one only.) ☐ HOSPITAL ☐ Inpatient ☐ ER/Outpatient ☐ DOA ☐ OTHER ☐ Nursing Home ☐ Decedent's Home ☐ Other (Specify) _____									
9b. FACILITY NAME (If not an institution, give street and number.)						9c. CITY, TOWN, OR LOCATION OF DEATH				9d. COUNTY OF DEATH	
10a. DECEDENT'S USUAL OCCUPATION (Give kind of work done during most of working life. Do <u>not</u> use retired.)				10b. KIND OF BUSINESS/INDUSTRY				11. MARITAL STATUS - Married, Never Married, Widowed, Divorced. (Specify)		12. SPOUSE (If Married, Widowed)	
13a. RESIDENCE - STATE		13b. COUNTY		13c. CITY, TOWN OR LOCATION				13d. STREET AND NUMBER			
13e. INSIDE CITY LIMITS? ☐ Yes ☐ No		13f. ZIP CODE		14. WAS DECEDENT OF HISPANIC ORIGIN? (Specify No or Yes) ☐ No ☐ Yes				15. RACE American Indian, Black, White, etc. (Specify)		16. DECEDENT'S EDUCATION (Specify only highest grade completed.) Elementary/Secondary (0-12) College (1-4 or 5+)	

PARENTS

DISPOSITION

REGISTRAR

17. FATHER'S NAME First Middle Last			18. MOTHER'S NAME First Middle Maiden			19. INFORMANT'S NAME and relationship to deceased		
20a. METHOD OF DISPOSITION ☐ Burial ☐ Cremation ☐ Mausoleum ☐ Removal from State ☐ Donation ☐ Other (Specify) _____			20b. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place.)			20c. LOCATION (City or Town, State)		
21a. SIGNATURE OF OREGON FUNERAL SERVICE LICENSEE OR PERSON ACTING AS SUCH			21b. OREGON LICENSE NO. (Of Licensee)			22. NAME, ADDRESS AND ZIP CODE OF FACILITY		
23. DATE FILED (Month, Day, Year)						24. REGISTRAR'S SIGNATURE		

RESERVED FOR REGISTRAR'S USE

CERTIFIER

CAUSE OF DEATH

DESIGNATE CONDITIONS, IF ANY, WHICH GAVE RISE TO IMMEDIATE CAUSE, STATING THE UNDERLYING CAUSE LAST.

CAUSE OF DEATH

CAUSE OF DEATH INSTRUCTIONS ARE ON REVERSE SIDE OF GREEN AND PINK COPY.

TO BE COMPLETED BY MEDICAL CERTIFIER				TO BE COMPLETED ONLY BY MEDICAL EXAMINER			
27. TIME OF DEATH M		28. WAS MEDICAL EXAMINER NOTIFIED? (The Medical Examiner MUST be notified of all injury and poisoning deaths.) ☐ Yes ☐ No		30a. TIME OF DEATH M		31b. DATE PRONOUNCED DEAD (Month, Day, Year, Hour)	
29. To the best of my knowledge, death occurred at the time, date, place, and due to the cause(s) and manner stated. (Signature)				On the examination and/or investigation, in my opinion death occurred at the time, date, place, and due to the cause(s) and manner stated. (Signature)			
30. DATE SIGNED (Month, Day, Year)				33. DATE SIGNED (Month, Day, Year) COUNTY			
34. NAME, TITLE, ADDRESS AND ZIP CODE OF CERTIFIER/MEDICAL EXAMINER (Type or Print)							
35. NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print)							
36. IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c). Do not enter mode of dying (e.g., Cardiac or Respiratory Arrest). PART I (a) _____ DUE TO, OR AS A CONSEQUENCE OF: (b) _____ DUE TO, OR AS A CONSEQUENCE OF: (c) _____						Interval between onset and death	
PART II OTHER SIGNIFICANT CONDITIONS - Conditions contributing to death but not resulting in the underlying cause given in PART I.						37. Did tobacco use contribute to the death? ☐ Yes ☐ Probably ☐ No ☐ Unknown	
40. MANNER OF DEATH ☐ Natural ☐ Investigation Pending ☐ Accident ☐ Undetermined Manner ☐ Suicide ☐ Legal Intervention ☐ Homicide						38. AUTOPSY ☐ Yes ☐ No	
41a. DATE OF INJURY (Month, Day, Year)						41b. TIME OF INJURY M	
41c. INJURY AT WORK? ☐ Yes ☐ No						39. IF YES, were findings considered in determining cause of death? ☐ Yes ☐ No ☐ N/A	
41d. DESCRIBE HOW INJURY OCCURRED						41f. LOCATION (Street and Number or Rural Route Number, City or Town, State)	
41e. PLACE OF INJURY - At home, farm, street, factory, office building, etc. (Specify)							

RESERVED FOR REGISTRAR'S USE

OREGON DEPARTMENT OF HUMAN SERVICES
CENTER FOR HEALTH STATISTICS
REPORT OF FETAL DEATH

136-

Local File Number		State File Number	
1a. FACILITY NAME (If not institution, give street and number)		1b. CITY, TOWN OR LOCATION OF DELIVERY	
1c. COUNTY OF DELIVERY	2a. DATE OF DELIVERY (Month, Day, Year)	2b. HOUR	3. SEX OF FETUS
MOTHER -- NAME First Middle Last		4b. MAIDEN SURNAME	5. DATE OF BIRTH
4a. RESIDENCE - STATE	6b. COUNTY	6c. CITY, TOWN, OR LOCATION	
6a. STREET AND NUMBER	6e. ☐ Yes ☐ No INSIDE CITY LIMITS?		6f. ZIP CODE
6d. FATHER -- NAME First Middle Last		7. DATE OF BIRTH	
7. PART I Fetal or maternal condition directly causing fetal death. Fetal and/or maternal conditions, if any, giving rise to the immediate cause (a), stating the underlying cause last.		8. IMMEDIATE CAUSE Enter only <u>one</u> cause <u>per line</u> for (a), (b), and (c). (a) DUE TO, OR AS A CONSEQUENCE OF: (b) DUE TO, OR AS A CONSEQUENCE OF: (c) DUE TO, OR AS A CONSEQUENCE OF:	
8. PART II OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER: (Indicate conditions contributing to fetal death but not related to cause given in PART I.)		9. FETUS DIED BEFORE LABOR, DURING LABOR OR DELIVERY, OR UNKNOWN (Specify) 10. AUTOPSY 11. ☐ Yes ☐ No	
12. NAME OF PHYSICIAN OR ATTENDANT (Type or print)		13. NAME OF PERSON COMPLETING REPORT (Type or print)	
14. IF SERVICES: FUNERAL DIRECTOR - FUNERAL HOME - Name and Address (Street, city or town, state, zip)		15. OPTIONAL Fetus - Name	

15. OF HISPANIC ORIGIN? (Specify No or Yes) If yes, specify origin(s) - Cuban, Mexican, Puerto Rican, etc.)		16. RACE- Specify all that apply below (White, Black, American Indian, Asian Indian, Asian Indian, Alaskan Native, Chinese, Filipino, Japanese, Korean, Vietnamese, Native Hawaiian, Guamanian or Chamorro, Samoan, Other Pacific Islander, Other Asian, Other - specify if tribe or Other reported.)		17. EDUCATION (Specify only highest grade completed.) Elementary or Secondary (0-12) College (1-4 or 5+)	
15a. ☐ Yes ☐ No Specify		16a.		17a.	
15b. ☐ Yes ☐ No Specify		16b.		17b.	
18. PREGNANCY HISTORY	LIVE BIRTHS		DATE OF LAST LIVE BIRTH (Month/Year)	OTHER TERMINATIONS (Spontaneous and induced)	
	Now living Number _____ ☐ None	Now dead Number _____ ☐ None		18a. Number _____ ☐ None	
19. CLINICAL ESTIMATE OF GESTATION (Weeks)		20. WEIGHT OF FETUS (Specify units)		21. MOTHER MARRIED? (At birth, conception, or any time between) ☐ Yes ☐ No	
23a. PLURALITY - Single, twin, triplet, etc. (Specify)		23b. IF NOT SINGLE BIRTH - Born first, second, third, etc. (Specify)		24. MONTH OF PREGNANCY THAT PRENATAL CARE BEGAN (Specify first, second, etc.)	
25. PRENATAL VISITS Total number (If none, so state)					
26. MEDICAL FACTORS FOR THIS PREGNANCY (Check all that apply)		28. OTHER FACTORS FOR THIS PREGNANCY (Complete all items)		32. CONGENITAL ANOMALIES (Check all that apply)	
01 ☐ Anemia (Hct.<30/Hgb<10).....		01. Tobacco use during pregnancy..... ☐ Yes ☐ No		01 ☐ Anencephalus.....	
02 ☐ Cardiac disease.....		02. Average number cigarettes per day _____		02 ☐ Spina bifida/Meningocele.....	
03 ☐ Acute or chronic lung disease.....		03. Alcohol use during pregnancy..... ☐ Yes ☐ No		03 ☐ Hydrocephalus.....	
04 ☐ Diabetes (Chronic).....		04. Average number drinks per week _____		04 ☐ Microcephalus.....	
05 ☐ Diabetes (Gestational)		05. Weight gained during pregnancy _____ lbs.		05 ☐ Other central nervous system anomalies.....	
06 ☐ Genital herpes.....		06. History available..... ☐ Yes ☐ No		(Specify) _____	
07 ☐ Hydramnios/Oligohydramnios.....		07. Other (Specify) _____		06 ☐ Heart malformations.....	
08 ☐ Hemoglobinopathy.....		29. ANTENATAL PROCEDURES (Check all that apply)		07 ☐ Other circulatory/respiratory anomalies.....	
09 ☐ Hypertension, chronic.....		01 ☐ Amniocentesis.....		(Specify) _____	
10 ☐ Hypertension, pregnancy associated.....		02 ☐ Toccolysis.....		08 ☐ Rectal atresia/stenosis.....	
11 ☐ Eclampsia.....		03 ☐ Ultrasound.....		09 ☐ Tracheo-esophageal fistula/Esoophageal atresia.....	
12 ☐ Incompetent cervix.....		04 ☐ No History available.....		10 ☐ Omphalocele/Gastroschisis.....	
13 ☐ Previous infant 4000+ grams.....		00 ☐ None.....		11 ☐ Other gastrointestinal anomalies	
14 ☐ Previous preterm or small for gestational age infant.....		05 ☐ Other.....		(Specify) _____	
15 ☐ Renal disease.....		(Specify) _____		12 ☐ Malformed genitalia.....	
16 ☐ Rh sensitization.....		30. INTRAPARTUM PROCEDURES (Check all that apply)		13 ☐ Renal agenesis.....	
17 ☐ Uterine bleeding.....		01 ☐ Electronic fetal monitoring.....		14 ☐ Other urogenital anomalies.....	
18 ☐ No history available.....		02 ☐ Induction of labor.....		(Specify) _____	
00 ☐ None.....		03 ☐ Stimulation of labor.....		15 ☐ Cleft lip/palate.....	
19 ☐ Other (Specify) _____		00 ☐ None.....		16 ☐ Polydactyly/Syndactyly/Adactyly.....	
27. COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply)		04 ☐ Other (Specify) _____		17 ☐ Club foot.....	
01 ☐ Febrile (>100° F or 38° C).....		31. METHOD OF DELIVERY (Check all that apply)		18 ☐ Diaphragmatic hernia.....	
02 ☐ Meconium, moderate/heavy.....		01 ☐ Vaginal.....		19 ☐ Other musculoskeletal/integumental anomalies.....	
03 ☐ Premature rupture of membrane(>12 hours).....		02 ☐ Vaginal birth after previous C-section.....		(Specify) _____	
04 ☐ Abruptio placenta		03 ☐ Primary C-section.....		20 ☐ Down Syndrome.....	
05 ☐ Placenta Previa		04 ☐ Repeat C-section.....		21 ☐ Other chromosomal anomalies.....	
06 ☐ Other excessive bleeding.....		05 ☐ Forceps.....		(Specify) _____	
07 ☐ Seizures during labor.....		06 ☐ Vacuum.....		00 ☐ None apparent.....	
08 ☐ Precipitous labor (<3 hours).....				22 ☐ Other.....	
09 ☐ Prolonged labor (>20 hours).....				(Specify) _____	
10 ☐ Dysfunctional labor.....					
11 ☐ Breech/Malpresentation.....					
12 ☐ Cephalopelvic disproportion.....					
13 ☐ Cord prolapse.....					
14 ☐ Anesthetic complications.....					
15 ☐ Fetal distress.....					
00 ☐ None.....					
16 ☐ Other (Specify) _____					

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I.D. TAG NO.

OREGON DEPARTMENT OF HUMAN SERVICES
CENTER FOR HEALTH STATISTICS

REPORT OF FETAL DEATH

136-

Local File Number

State File Number

FACILITY NAME (If not institution, give street and number)		CITY, TOWN OR LOCATION OF DELIVERY	
1a.		1b.	
COUNTY OF DELIVERY	DATE OF DELIVERY (Month, Day, Year)	HOUR	SEX OF FETUS
1c.	2a.	2b.	3.
MOTHER - NAME First Middle Last		MAIDEN SURNAME	DATE OF BIRTH
4a.		4b.	5.
RESIDENCE - STATE	COUNTY	CITY, TOWN, OR LOCATION	
6a.	6b.	6c.	
STREET AND NUMBER		INSIDE CITY LIMITS?	ZIP CODE
6d.		6e. ☐ Yes ☐ No	6f.
FATHER -- NAME First Middle Last			DATE OF BIRTH
7.			8.
CAUSE OF FETAL DEATH	PART I Fetal or maternal condition directly causing fetal death. Fetal and/or maternal conditions, if any, giving rise to the immediate cause (a), stating the underlying cause last.		IMMEDIATE CAUSE (Enter only <u>one</u> cause <u>per line</u> for (a), (b), and (c).)
	(a) DUE TO, OR AS A CONSEQUENCE OF:		Specify Fetal or Maternal
	(b) DUE TO, OR AS A CONSEQUENCE OF:		Specify Fetal or Maternal
	(c) DUE TO, OR AS A CONSEQUENCE OF:		Specify Fetal or Maternal
PART II OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER, Contributing to fetal death but not related to cause given in PART I.		FETUS DIED BEFORE LABOR, DURING LABOR OR DELIVERY, OR UNKNOWN (Specify)	AUTOPSY
12.		10.	11. ☐ Yes ☐ No
NAME OF PHYSICIAN OR ATTENDANT (Type or print)		TITLE	NAME OF PERSON COMPLETING REPORT (Type or print)
12.		13.	TITLE
IF SERVICES: FUNERAL DIRECTOR - FUNERAL HOME - Name and Address (Street, city or town, state and zip)			
14.			
OPTIONAL			
Fetus - Name			

If this fetus is going to be removed from the facility where delivery occurred, this permit must accompany the remains to the funeral home and/or the cemetery/crematorium. A burial/cremation tag is also required if the fetus is removed from the facility of delivery.

This form, when signed by the funeral service licensee or person acting as such, shall serve as a disposal-transit permit for these fetal remains.

INSTRUCTIONS: THE PERSON IN CHARGE OF THE PLACE OF FINAL DISPOSITION SHALL DATE AND SIGN THIS FORM BELOW AND RETURN IT TO THE REGISTRAR OF THE COUNTY WHERE THE DELIVERY OCCURRED WITHIN 10 DAYS AFTER THE DATE OF FINAL DISPOSITION.

DATE OF DISPOSITION _____

SEXTON'S SIGNATURE _____

Adolescent Suicide Attempt Report

1. Name of hospital: _____ County: _____
2. Date of attempt (Month/Day/Year): ____/____/____
3. Admitted as an in-patient? ☐ Yes ☐ No ☐ Transferred to another hospital (Specify): _____
4. Patient or hospital chart number: _____
5. Date of birth (Month/Day/Year): ____/____/____
6. Sex: ☐ Male ☐ Female
7. Race: ☐ White ☐ Black ☐ Am. Indian ☐ Other (Specify): _____ 8. Hispanic: ☐ Yes ☐ No
9. Residence City: _____ County: _____
10. Patient lives with:
- ☐ Both parents ☐ Parent and stepparent ☐ Father only ☐ Mother only ☐ Foster parents
- ☐ Juvenile facility ☐ Friends ☐ Homeless ☐ Unknown ☐ Other (Specify): _____
11. Place of attempt:
- ☐ Own home ☐ Other home ☐ Foster home ☐ School ☐ Juvenile facility ☐ Other (Specify): _____
12. Method or methods used in attempt:
- Poisoning by solid or liquid substance including drug or alcohol overdoses, and other potentially toxic substances – Specify substance(s): _____
- Hanging or suffocation – Specify method: _____
- Firearms and explosives – Specify type (hand gun, rifle, etc.) and body site: _____
- Cutting or piercing – Specify instrument and body site: _____
- Other means such as motor vehicle crash, drowning, fire, etc. – Specify: _____
13. History of mental health issues:
- ☐ Major depression ☐ Dysthymia ☐ Bipolar disorder ☐ ADHD or ADD ☐ Adjustment disorder
- ☐ Conduct disorder ☐ PTSD ☐ Eating disorder ☐ Other (Specify): _____ ☐ None ☐ Unk.
14. Number of previous suicide attempts made during lifetime:
- ☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6+ ☐ Attempts made, but unknown ☐ History unknown
15. Precipitating events and risk factors:
- ☐ Family discord ☐ Argument or breakup with boyfriend/girlfriend ☐ Peer pressure/argument
- ☐ School problems ☐ Suicide or attempt by friend/relative ☐ Pregnancy
- ☐ Death of friend/relative ☐ Move or new school ☐ None
- ☐ Physical abuse – Specify type and perpetrator, if known: _____
- ☐ Sexual abuse or rape – Specify type and perpetrator, if known: _____
- ☐ Alcohol and/or drug abuse – Specify substance(s): _____
- ☐ Prior arrests and/or convictions of a crime – Specify: _____
- ☐ Other – Specify: _____
16. Did the youth tell others of his or her plan to attempt/commit suicide? ☐ Yes ☐ No ☐ Unknown
- If yes, whom did the youth tell? ☐ Parent ☐ Friend ☐ Teacher ☐ Other (Specify): _____
17. Was the youth referred for intervention? ☐ No ☐ Yes – Specify to whom: _____
18. Name of person completing report (Print): _____ Dept.: _____

ORS 441.750 states that

"Any hospital which treats as a patient a person under 18 years of age because the person has attempted to commit suicide: Shall cause that person to be provided with information and referral to in-patient or out-patient community resources, crisis intervention or other appropriate intervention by the patient's attending physician, hospital social work staff or other appropriate staff." and

"Shall report statistical information to the Department of Human Services about the person. . . ."



Mail this form no later than the 15th of the month following the month of the attempt to: Center for Health Statistics

Telephone: 503-731-4474

Fax: 503-731-3076

P.O. Box 14050

Portland, Oregon 97293-0050

45-119 (01-04)

Adolescent Suicide Attempt Report Zero Attempts

1. Name of hospital _____
2. Hospital county _____
3. During (Month/Year) _____ / _____, no youth 17 or younger was treated here for a suicide attempt.

ORS 441.750 states that "Any hospital which treats as a patient a person under 18 years of age because the person has attempted to commit suicide: . . . Shall report statistical information to the Department of Human Services about that person. . . ."

Contact Person at this Facility	
<i>Please print</i>	
Name	_____
Title	_____
Department	_____
Telephone	_____

Mail this form to the address below no later than the 15th of the month following any month in which there were no youths treated at your hospital for a suicide attempt.

Adolescent Suicide Attempt Data System
Center for Health Statistics
P.O. Box 14050
Portland, Oregon 97293-0050

Telephone: 503-731-4474
Fax: 503-731-3076