

# Oregon Vital Statistics Annual Report 2011

## Volume 2

- Mortality
- Fetal and infant mortality



PUBLIC HEALTH DIVISION  
Center for Public Health Practice  
Center for Health Statistics



Oregon  
Vital Statistics  
Annual Report  
2011

Volume 2



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# Preface

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## “What’s past is prologue...”

Sometimes the best way to determine what direction to take is to look at where we are and back at where we have been. This is as true in matters of public health as it is in navigation. Vital events — births, deaths, marriage, divorce — chart the course Oregonians take throughout their lives. In today’s complex society, using this information for careful policy and resource planning is becoming more important than ever before.

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

## Structure of the report

To improve ease of use and timeliness, the Vital Statistics Annual Report is issued in two volumes.

- **Volume 1** presents data on births, abortions, and teen pregnancy.
- **Volume 2** presents data on deaths (all ages) and perinatal deaths.

The only marriage, divorce, domestic partnership, and dissolution of domestic partnership data in the report are statewide occurrences and rates. Information by county and by month of occurrence is available, as are a variety of year-to-date preliminary data on deaths, births, abortions, and teen pregnancy at the Center for Health Statistics (CHS) web site:

*<http://public.health.oregon.gov/BirthDeathCertificates/VitalStatistics/annualreports/Pages/index.aspx>*

Additional data are available in the form of simple cross-tabulations. For information on availability, or to request the data, call the Center for Health Statistics as listed on the previous credits page.

The more significant demographic and public health issues are discussed in the narrative sections that open each chapter. These narratives are accompanied by charts, graphs, and sidebar tables. Readers can research their own areas of interest by using the tables following the chapter narratives.

## **A cooperative effort**

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

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

## **The providers of services**

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

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

These service providers then file the completed certificates using a web-based system that transmits the records to the county and state registrar simultaneously.

Abortions are treated differently. The providers of induced abortion file the completed statistical data (which contain no identifying information) directly with the state registrar.

**County officials**

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

**Center for Health Statistics**

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

**Other states**

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

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

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## SECTION 5: QUICK REFERENCE (VOLUME 2)

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## Quick reference (Volume 2)

Summary of Oregon Vital Events, 2011		
<b>Population</b>	3,857,625	The population increased 13,430, or 0.3 percent since 2010.
<b>Death</b> Number Rate	<b>Residents</b> 32,731 8.5	The number of deaths increased by 832. The rate increased by 2.4 percent.
<b>Infant deaths</b> Number Rate	<b>Residents</b> 210 4.7	The number of infant death decreased by 15. The rate decreased by 4.1 percent.
<b>Neonatal deaths</b> Number Rate	<b>Residents</b> 141 3.1	The number of neonatal deaths decreased by 12. The rate decreased by 8.8 percent.
<b>Maternal deaths</b> Number Rate	<b>Residents</b> 10 22.2	Oregon's average maternal death rate 2007-2011 (14.8) was 27.7 percent lower than the average U.S. rate for 2007-2011 (20.8).
Crude death rates are per 1,000 population; infant and neonatal rates per 1,000 live resident births; maternal death rate per 100,000 live resident births. In 2006, the method of calculating maternal death changed to include a longer time frame after the birth.		

**TABLE 5-1. Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, U.S., 1945-2010<sup>1</sup>**

Year	Deaths		Maternal Deaths <sup>3</sup>		Infant Deaths <sup>5</sup>		Neonatal Deaths <sup>7</sup>		Fetal Deaths <sup>8</sup>	
	Number	Rate <sup>2</sup>	Number	Rate <sup>4</sup>	Number	Rate <sup>6</sup>	Number	Rate <sup>6</sup>	Number	Ratio <sup>6</sup>
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
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

See footnotes at end of table.

**TABLE 5-1. Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, U.S., 1945-2010<sup>1</sup> — Continued**

Year	Deaths		Maternal Deaths <sup>3</sup>		Infant Deaths <sup>5</sup>		Neonatal Deaths <sup>7</sup>		Fetal Deaths <sup>8</sup>	
	Number	Rate <sup>2</sup>	Number	Rate <sup>4</sup>	Number	Rate <sup>6</sup>	Number	Rate <sup>6</sup>	Number	Ratio <sup>6</sup>
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	25,653	6.2
2004 .....	2,397,615	8.2	540	13.1	27,936	6.8	18,593	4.5	25,655	6.2
2005 .....	2,448,017	8.3	623	15.1	28,440	6.9	18,770	4.5	25,894	6.2
2006 .....	2,426,264	8.1	760	17.8	28,527	6.7	18,989	4.5	25,972	6.1
2007 .....	2,423,712	8.0	769	17.8	29,138	6.8	19,058	4.4	**	**
2008 .....	2,471,984	8.1	795	18.7	28,059	6.6	18,211	4.3	**	**
2009 .....	2,437,163	7.9	960	23.2	26,412	6.4	17,255	4.2	**	**
2010 .....	2,468,435	8.0	825	20.6	24,586	6.1	16,188	4.0	**	**

<sup>1</sup> Most recent year for which final U.S. data available.

<sup>2</sup> Per 1,000 population.

<sup>3</sup> Prior to 2006, maternal deaths only included deaths that occurred during pregnancy or within 42 days of delivery. Since 2006, maternal deaths include deaths that occurred during pregnancy or within one year of delivery.

<sup>4</sup> Per 100,000 live births.

<sup>5</sup> Infant deaths occur in the first year of life.

<sup>6</sup> Per 1,000 live births.

<sup>7</sup> Neonatal deaths occur within the first 27 days of life.

<sup>8</sup> Includes fetuses with birthweight of at least 350 grams or, if birthweight is unknown, gestation of at least 20 weeks.

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>).

**TABLE 5-2. Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, Oregon Residents, 1910, 1915, 1920, 1925, 1930, 1935, 1940, 1945, 1950, 1955, 1960-2011**

Year	Deaths		Maternal Deaths <sup>1</sup>		Infant Deaths <sup>2</sup>		Neonatal Deaths <sup>3</sup>		Fetal Deaths <sup>4</sup>	
	Number	Rate <sup>5</sup>	Number	Rate <sup>6</sup>	Number	Rate <sup>7</sup>	Number	Rate <sup>7</sup>	Number	Ratio <sup>7</sup>
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
1940 .....	12,329	11.3	45	257.0	592	33.2	413	23.6	365	20.8
1945 .....	12,325	10.0	29	124.0	660	28.3	473	20.3	402	17.2
1950 .....	13,888	9.1	22	61.1	816	22.7	627	17.4	493	13.7
1955 .....	15,303	9.1	8	20.7	934	24.1	681	17.6	497	12.8
1960 .....	16,787	9.5	14	36.5	891	23.2	635	16.6	493	12.9
1961 .....	16,885	9.3	8	21.3	861	23.0	604	16.1	454	16.1
1962 .....	17,221	9.4	7	18.9	811	21.9	554	15.0	461	12.5
1963 .....	18,017	9.7	7	20.1	747	21.4	551	15.8	410	11.8
1964 .....	18,138	9.5	4	11.9	754	22.5	532	15.9	402	12.0
1965 .....	18,133	9.2	1	3.0	696	21.1	477	14.5	421	12.8
1966 .....	18,979	9.5	3	9.2	697	21.5	506	15.6	387	11.9
1967 .....	18,908	9.4	4	12.7	616	19.6	436	13.9	395	12.6
1968 .....	19,017	9.3	3	9.3	637	19.8	460	14.3	365	11.4
1969 .....	19,548	9.4	4	11.8	592	17.5	410	12.1	194	§
1970 .....	19,530	9.3	5	14.1	555	15.7	381	10.8	486	13.7
1971 .....	20,087	9.4	5	15.0	615	18.4	416	12.5	408	12.2
1972 .....	20,216	9.3	5	16.0	528	16.9	359	11.5	391	12.5
1973 .....	20,881	9.4	1	3.2	466	15.1	329	10.6	312	10.1
1974 .....	20,320	9.0	3	9.2	488	15.0	330	10.2	266	8.2
1975 .....	20,142	8.8	3	9.0	502	15.1	330	9.9	284	8.5
1976 .....	20,459	8.7	0	0.0	444	12.7	277	8.0	280	8.0
1977 .....	20,457	8.5	5	13.3	453	12.1	293	7.8	283	7.6
1978 .....	20,870	8.4	2	5.1	502	12.9	299	7.7	302	7.8
1979 .....	21,024	8.3	1	2.4	450	10.8	276	6.6	307	7.4
1980 .....	21,756	8.3	1	2.3	521	12.1	303	7.0	294	6.8
1981 .....	21,798	8.2	3	7.0	466	10.8	299	7.0	298	6.9
1982 .....	21,594	8.1	8	19.5	433	10.6	253	6.2	253	6.2
1983 .....	22,361	8.5	6	15.0	385	9.6	215	5.4	268	6.7
1984 .....	23,101	8.7	5	10.1	388	9.8	190	4.8	257	6.5
1985 .....	23,824	8.9	4	10.1	387	9.8	211	5.3	237	6.0
1986 .....	23,328	8.8	4	10.3	368	9.5	183	4.7	268	6.9
1987 .....	24,181	9.0	2	5.2	402	10.4	213	5.5	222	5.7
1988 .....	24,557	9.0	3	7.5	339	8.5	181	4.5	235	5.9
1989 .....	24,679	8.8	4	9.7	364	8.8	205	5.0	230	5.6
1990 .....	25,073	8.8	3	7.0	354	8.3	182	4.2	262	6.1
1991 .....	24,935	8.5	3	7.0	307	7.2	172	4.0	261	6.1
1992 .....	25,714	8.6	3	7.2	297	7.1	158	3.8	243	5.8
1993 .....	27,596	9.1	7	16.8	297	7.1	154	3.7	204	4.9
1994 .....	27,361	8.9	4	9.6	295	7.1	164	3.9	224	5.4
1995 .....	28,190	9.0	0	0.0	262	6.1	137	3.2	237	5.5

See footnotes at end of table.

**TABLE 5-2. Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, Oregon Residents, 1910, 1915, 1920, 1925, 1930, 1935, 1940, 1945, 1950, 1955, 1960-2011 — Continued**

Year	Deaths		Maternal Deaths <sup>1</sup>		Infant Deaths <sup>2</sup>		Neonatal Deaths <sup>3</sup>		Fetal Deaths <sup>4</sup>	
	Number	Rate <sup>5</sup>	Number	Rate <sup>6</sup>	Number	Rate <sup>7</sup>	Number	Rate <sup>7</sup>	Number	Ratio <sup>7</sup>
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
2005 .....	30,854	8.5	3	6.5	270	5.9	177	3.9	170	3.7
2006 .....	31,304	8.5	9	18.5	269	5.5	183	3.8	177	3.6
2007 .....	31,433	8.4	9	18.2	278	5.6	192	3.9	181	3.7
2008 .....	32,020	8.4	5	10.2	252	5.1	155	3.2	212	4.3
2009 .....	31,547	8.3	7	14.8	228	4.8	157	3.3	216	4.6
2010 .....	31,899	8.3	4	8.8	225	4.9	153	3.4	181	4.0
2011 .....	32,731	8.5	10	22.2	210	4.7	141	3.1	186	4.1

<sup>1</sup> Prior to 2006, maternal deaths only included deaths that occurred during pregnancy or within 42 days of delivery. Since 2006, maternal deaths include deaths that occurred during pregnancy or within one year of delivery.

<sup>2</sup> Infant deaths occur in the first year of life.

<sup>3</sup> Neonatal deaths occur within the first 27 days of life.

<sup>4</sup> Includes fetuses with birthweight of at least 350 grams or, if birthweight is unknown, gestation of at least 20 weeks.

<sup>5</sup> Per 1,000 population.

<sup>6</sup> Per 100,000 live births.

<sup>7</sup> Per 1,000 live births.

— Data not available.

§ Incomplete total; ratio not calculated.



**TABLE 5-3. Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths,  
by County of Residence, Oregon, 2011**

County of Residence	Deaths		Infant Deaths		Neonatal Deaths		Fetal Deaths	
	Number	Rate <sup>1</sup>	Number	Rate <sup>2</sup>	Number	Rate <sup>2</sup>	Number	Ratio <sup>3</sup>
Total <sup>4</sup> .....	32,731	8.5	210	4.7	141	3.1	186	4.1
Baker .....	197	*12.1	—	—	—	—	1	6.1
Benton .....	555	*6.5	2	2.6	2	2.6	4	5.3
Clackamas .....	2,987	*7.9	17	4.4	11	2.9	11	2.9
Clatsop .....	364	*9.8	2	4.7	2	4.7	3	7.0
Columbia .....	428	8.6	—	—	—	—	1	2.1
Coos .....	862	*13.7	3	5.2	1	1.7	3	5.2
Crook .....	227	*10.9	—	—	—	—	—	—
Curry .....	337	*15.1	2	10.8	2	10.8	2	10.8
Deschutes .....	1,255	*7.9	7	4.1	5	2.9	5	2.9
Douglas .....	1,401	*13.0	7	6.4	4	3.7	10	9.2
Gilliam .....	19	10.1	—	—	—	—	—	—
Grant .....	87	*11.7	—	—	—	—	—	—
Harney .....	83	*11.3	1	15.4	—	—	—	—
Hood River .....	184	8.1	1	3.6	1	3.6	—	—
Jackson .....	2,126	*10.4	8	3.4	5	2.1	10	4.2
Jefferson .....	190	8.7	4	12.7	2	6.4	1	3.2
Josephine .....	1,264	*15.3	3	3.9	1	1.3	3	3.9
Klamath .....	705	*10.6	7	8.5	3	3.6	6	7.3
Lake .....	76	9.6	—	—	—	—	—	—
Lane .....	3,279	*9.3	13	3.7	8	2.3	14	4.0
Lincoln .....	586	*12.7	1	2.4	—	—	2	4.8
Linn .....	1,142	*9.7	7	4.7	5	3.4	7	4.7
Malheur .....	317	*10.1	5	11.3	4	9.1	2	4.5
Marion .....	2,527	*7.9	27	6.2	19	4.3	17	3.9
Morrow .....	80	7.1	1	5.8	1	5.8	1	5.8
Multnomah .....	5,436	*7.3	35	3.7	22	2.3	26	2.7
Polk .....	605	8.0	1	1.2	—	—	4	4.7
Sherman .....	11	6.2	—	—	—	—	—	—
Tillamook .....	272	*10.8	3	12.4	2	8.3	1	4.1
Umatilla .....	636	8.3	3	2.8	2	1.9	7	6.6
Union .....	273	*10.5	3	9.4	2	6.3	1	3.1
Wallowa .....	90	*12.9	2	37.0	2	37.0	—	—
Wasco .....	312	*12.3	1	3.5	1	3.5	2	7.0
Washington .....	2,917	*5.4	37	5.2	30	4.2	35	4.9
Wheeler .....	21	*14.6	—	—	—	—	1	111.1
Yamhill .....	871	8.7	7	6.1	4	3.5	6	5.2

— Quantity is zero.

\* Indicates rate is statistically significantly different from the state rate.

<sup>1</sup> Rates per 1,000 population for deaths.

<sup>2</sup> Rates per 1,000 live births for infant and neonatal deaths.

<sup>3</sup> Ratios per 1,000 live births for fetal deaths.

<sup>4</sup> Total includes unknown county of residence.

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 with birthweight of 350 grams or more or, if birthweight was unknown, gestational age of 20 weeks or more.

**TABLE 5-4. Population and Deaths by City of Residence, Oregon, 2011**

City of Residence <sup>1</sup>	Estimated Population <sup>2</sup>	Deaths	
		Number <sup>3</sup>	Rate <sup>4</sup>
Albany (Linn, Benton) .....	50,520	499	9.9
Ashland (Jackson) .....	20,255	177	8.7
Astoria (Clatsop) .....	9,495	102	10.7
Baker City (Baker) .....	9,890	138	14.0
Beaverton (Washington) .....	90,835	732	8.1
Bend (Deschutes) .....	76,925	581	7.6
Canby (Clackamas) .....	15,830	122	7.7
Central Point (Jackson) .....	17,235	164	9.5
Coos Bay (Coos) .....	16,010	235	14.7
Corvallis (Benton) .....	54,520	358	6.6
Dallas (Polk) .....	14,620	144	9.8
Eugene (Lane) .....	157,010	1,399	8.9
Forest Grove (Washington) .....	21,275	209	9.8
Gladstone (Clackamas) .....	11,495	87	7.6
Grants Pass (Josephine) .....	34,660	541	15.6
Gresham (Multnomah) .....	105,795	601	5.7
Hermiston (Umatilla) .....	16,865	149	8.8
Hillsboro (Washington) .....	92,350	418	4.5
Keizer (Marion) .....	36,715	251	6.8
Klamath Falls (Klamath) .....	21,120	217	10.3
La Grande (Union) .....	13,095	141	10.8
Lake Oswego (Clackamas, Multnomah, Washington) ....	36,725	297	8.1
Lebanon (Linn) .....	15,565	210	13.5
McMinnville (Yamhill) .....	32,270	338	10.5
Medford (Jackson) .....	75,180	931	12.4
Milwaukie (Clackamas) .....	20,400	503	24.7
Newberg (Yamhill) .....	22,230	206	9.3
Newport (Lincoln) .....	10,065	125	12.4
Ontario (Malheur) .....	11,375	138	12.1
Oregon City (Clackamas) .....	32,220	268	8.3
Pendleton (Umatilla) .....	16,625	164	9.9
Portland (Clackamas, Multnomah, Washington) .....	585,845	4,865	8.3
Redmond (Deschutes) .....	26,305	199	7.6
Roseburg (Douglas) .....	21,690	326	15.0
Salem (Marion, Polk) .....	155,710	1,392	8.9
Springfield (Lane) .....	59,695	603	10.1
St. Helens (Columbia) .....	12,890	126	9.8
The Dalles (Wasco) .....	14,440	225	15.6
Tigard (Washington) .....	48,415	345	7.1
Troutdale (Multnomah) .....	16,000	103	6.4
Tualatin (Clackamas, Washington) .....	26,120	144	5.5
West Linn (Clackamas) .....	25,250	151	6.0
Wilsonville (Clackamas, Washington) .....	19,565	164	8.4
Woodburn (Marion) .....	24,090	221	9.2

<sup>1</sup> Selected cities of approximately 10,000 or more population. Counties listed in parentheses.

<sup>2</sup> Population source: Center for Population Research and Census, Portland State University.

<sup>3</sup> Death numbers only include decedents who resided within city limits.

<sup>4</sup> Rate per 1,000 population.

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## **SECTION 6: MORTALITY**

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# Mortality

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As Oregon's population both ages and increases, the annual number of deaths trends upwards. During 2011, the number of deaths increased to 32,731, up from 31,899.<sup>1</sup> The crude death rate increased from 829.8 per 100,000 population in 2010 to 848.5 in 2011. [Figure 6-1, Table 6-3]. (Unless otherwise specified, references to death rates mean crude death rates; see the Appendix for further discussion of crude and age-adjusted rates.) The age-adjusted death rate decreased from 735.0 to 730.0. Overall, the death rate has seen a somewhat uneven, but statistically significant, long-term downward trend since 1990.<sup>2</sup>

In 2010 (the most recent year for which final U.S. data are available)<sup>3</sup>, Oregon's age-adjusted death rate was 3.2 percent lower than the U.S. rate, and ranked 31st among the states and District of Columbia. [Table 6-54]. During the past 25 years, the greatest difference between the U.S. and Oregon rates occurred in 1986 when Oregon's rate was 7.3 percent lower than the U.S. rate (907.4 versus 978.4) and 38th among the states and District of Columbia.

Oregon's age-adjusted cause-specific death rates ranked among the top 10 highest rates in the states and District of Columbia for six causes: Amyotrophic Lateral Sclerosis (4th), viral hepatitis (4th), Parkinson's disease (6th), hypertension (6th), alcohol-induced deaths (8th) and suicide (9th). At the same time, Oregon was among the states with the 10 lowest rates for eight causes, excluding states with unreliable data for each cause: septicemia (4th lowest), heart disease (4th lowest), influenza and pneumonia (4th lowest), HIV/AIDS (6th lowest), atherosclerosis (6th lowest), nephritis and nephrosis (7th lowest), perinatal conditions (10th lowest) and homicide (10th lowest).

## 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 79.5 in 2011.

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***The age-adjusted death rate is at one of its lowest levels.<sup>2</sup>***

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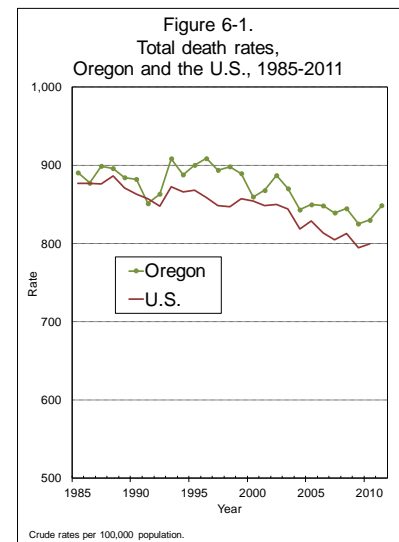
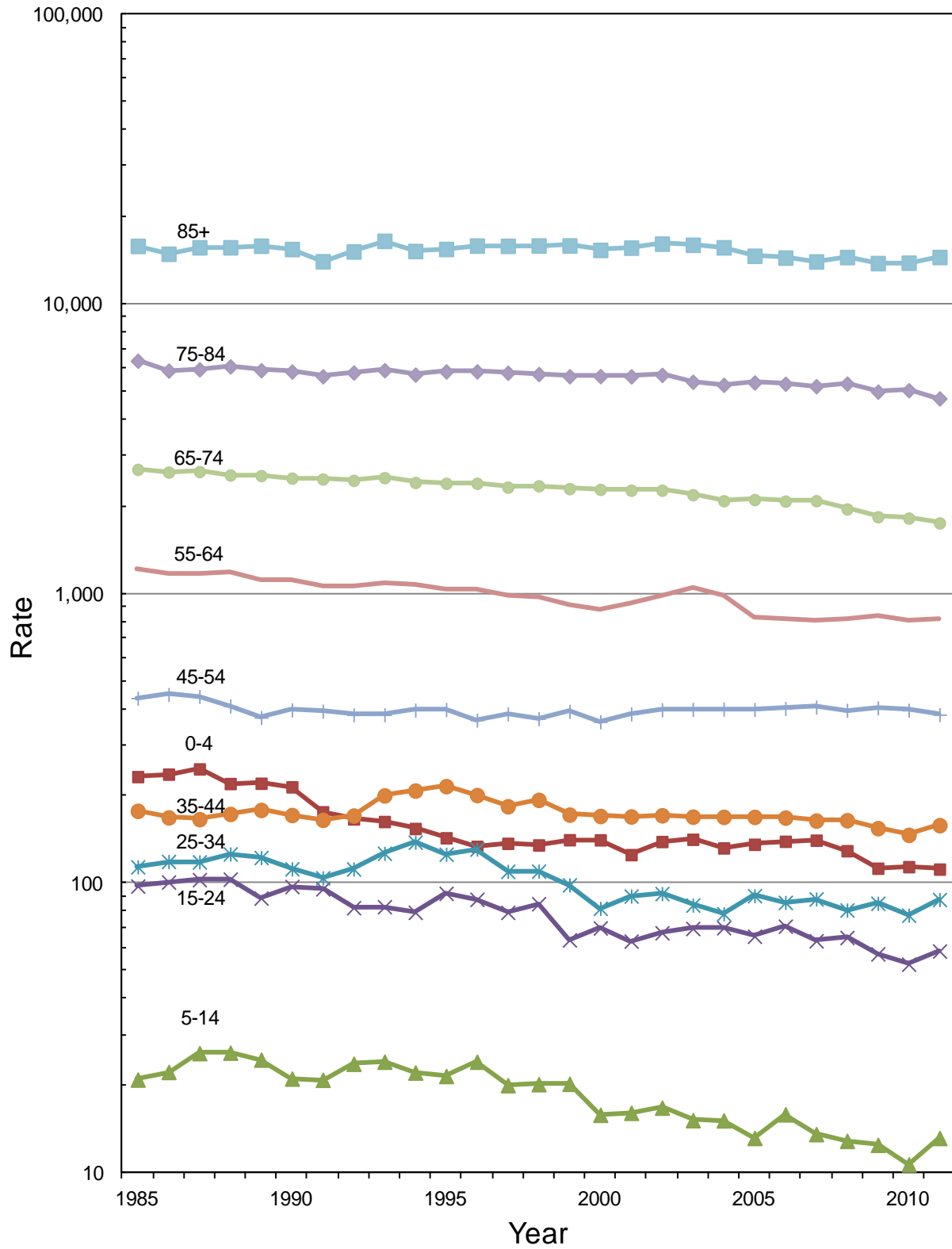


Figure 6-2.  
Age-specific death rates,  
Oregon residents, 1985-2011



Rates per 100,000 population.  
Note: A logarithmic scale is used for the vertical axis.

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	76.7	73.3	80.1	75.4	71.8	78.8
2000	78.0	75.6	80.4	76.8	74.1	79.3
2005	78.5	76.3	80.7	77.4	74.9	79.9
2010	79.5	77.4	81.6	78.7	76.2	81.0
2011	79.5	77.3	81.7	N/A	N/A	N/A

2010 is the most recent year for which final U.S. data are available. US data sources: National Center for Health Statistics. Hyattsville, MD. 2013. Murphy SL, Xu J, Kochanek KD. Deaths: Final Data for 2010. National Vital Statistics Reports, Vol 61 no 4. ([http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61\\_04.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61_04.pdf))

Life expectancy is a theoretical construct representing the average number of years a group of infants will live if they were to experience, throughout their lives, the age-specific death rates present at the time of their birth. It is affected by such factors as the environment, the economy, health behaviors and changing 110 medical technology.

Oregon's life expectancy remained unchanged from the previous year, at 79.5 years, a record high. Life expectancy increased slightly among females between 2010 and 2011 (from 81.6 to 81.7) and decreased slightly for males (from 77.4 to 77.3).

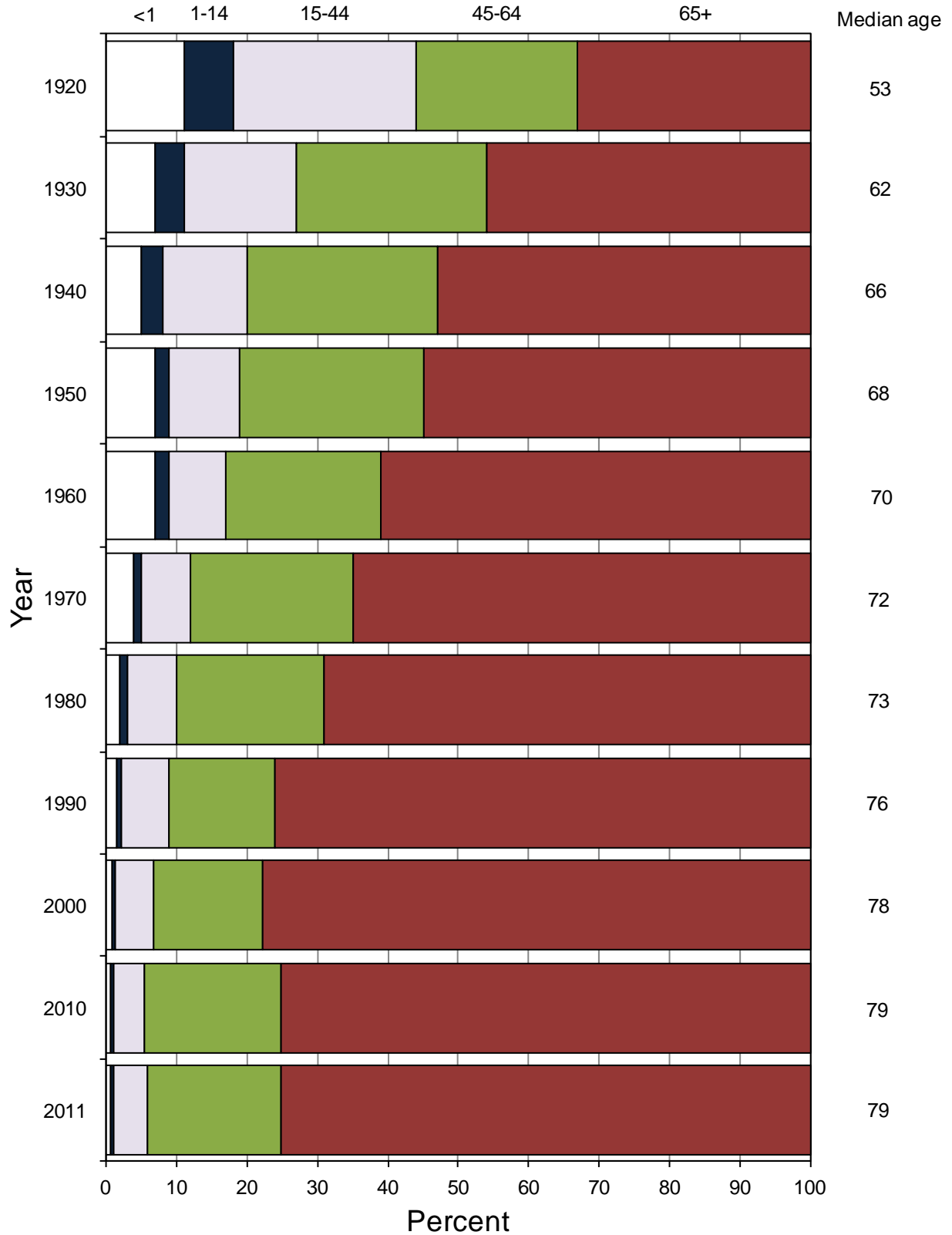
Life expectancy varied by 7.1 years among Oregon's counties, using a five-year average (2007 through 2011). [Table 6-56]. The eight counties where life expectancy was statistically significantly longer than the state average in 2007–2011 (79.2) were: Benton (82.3), Clackamas (79.7), Crook (80.3), Deschutes (81.2), Hood River (80.6), Polk (79.9), Washington (81.7) and Wheeler (82.8). The 13 counties with significantly shorter life expectancy were: Baker (77.9), Coos (76.8), Curry (76.8), Douglas (77.2), Jefferson (75.7), Josephine (77.0), Klamath (76.1), Lincoln (77.7), Linn (77.8), Marion (78.6), Multnomah (78.8), Umatilla (78.0) and Wasco (77.4).

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***The oldest Oregonian to die in 2011 was a 110-year-old female.***

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**Figure 6-3.**  
**Proportion of deaths by selected age groups,**  
**Oregon residents, 1920-2011**



## Demographic characteristics

### Gender

Between 2010 and 2011, mortality rates for both males and females increased, resulting in an increase in Oregon's crude rate. [Table 6-1]. The male rate increased 4.0 percent (828.5 per 100,000 population in 2010 compared to 862.0 in 2011), and the female rate increased 0.5 percent (831.1 compared to 835.3).

During 2011, the female crude death rate was lower than the male rate. While this was typical during the 20th century, the female rate has occasionally been higher than the male rate in recent years. [Table 6-1]. Increases in female crude death rates vis-à-vis male rates seen during the past decade are largely due to the changing age distribution within these two groups, rather than a decline in the health status of females. 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 their younger counterparts. Despite recent fluctuations in crude death rates, the age-adjusted death rates for males have consistently been higher than those for females. In the 2009–2011 time period, the male age-adjusted death rate was 34.9 percent higher than the female rate, 854.7 compared to 633.7. [Table 6-47m and Table 6-47f]. (See Appendix B for further information about age-specific and age-adjusted death rates.)

### Age

Compared with rates in 2000, age-specific death rates have declined for five of the six age groups shown in Table 6-1; the exception is Oregonians ages 45 through 64 where the rate increased. The greatest decline (20.8 %) was seen among those ages 0-4.

Table 6-1 shows the disparity in age-specific death rates by gender: male rates are higher than female rates across five of the six age categories. The age-specific death rate for males in the 15–24 year age group is 3.9 times higher than the rate for women in the same age group, 91.6 per 100,000 versus 23.7, a statistically significant difference. For both sexes combined, the median age at death remained unchanged in



<b>Table B - Age-adjusted death rates by county of residence, 2011</b>	
<b>County</b>	<b>RATE</b>
<b>Oregon Total</b>	<b>730.0</b>
Baker	735.0
Benton**	613.5
Clackamas**	671.4
Clatsop	762.1
Columbia	772.1
Coos*	881.2
Crook	759.1
Curry	790.9
Deschutes	687.3
Douglas*	821.5
Gilliam	603.3
Grant	642.8
Harney	792.9
Hood River	724.7
Jackson	732.1
Jefferson	826.8
Josephine*	898.0
Klamath*	828.9
Lake	667.0
Lane	744.7
Lincoln*	832.0
Linn*	795.8
Malheur*	828.4
Marion	729.3
Morrow	738.1
Multnomah*	762.6
Polk**	659.3
Sherman	460.2
Tillamook	735.5
Umatilla	789.1
Union	763.7
Wallowa	733.0
Wasco*	840.5
Washington**	599.4
Wheeler	702.4
Yamhill	759.6
Rates per 100,000 population.	
* Statistically significantly higher than the state rate.	
** Statistically significantly lower than the state rate.	

2011 at 79 years. The male and female median ages at death also remained unchanged at 75 years and 82 years, respectively.

### County of residence

In 2011, the state age-adjusted death rate was 730.0 per 100,000 population. Nine counties had statistically higher age-adjusted rates, while four counties were significantly lower. [Table B]. Simply residing in a particular county will not necessarily increase or decrease one's chance of dying in a given year. Mortality is a consequence of many factors, including: availability and quality of medical care, environmental exposure, smoking, and other personal health behaviors, socioeconomic status and heredity. Elevated age-adjusted death rates do not necessarily indicate that residing within one county will cause a reduction in longevity. For example, persons with chronic debilitating disease may move, in disproportionate numbers, to an area with a lower cost of living or to an area with specialized medical facilities.

### Hispanic ethnicity and race

Beginning in 2006, the state of Oregon changed its method of collecting race and Hispanic ethnicity information. Previously, the informant on the death certificate could report only one race for the decedent. Since most informants are immediate family members (parents, spouse or children of the decedent), it is assumed the informant would know best which race or ethnicity the decedent would have reported. The informant can report multiple race categories for the decedent on the death certificate.

There are three Hispanic ethnicity choices based on the country or countries of origin: Mexican, Cuban and Puerto Rican. A person of Hispanic ethnicity may belong to any race category. There are six major race categories: White, Black or African American, American Indian/ Alaska Native, Asian, Hawaiian or Pacific Islander and Other Specified.

The data collected for the Asian categories allow for differentiation by Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese and other Asian. Among Pacific Islanders the data collected allow for differentiation among Hawaiian, Guamanian, Samoan and other Pacific Islander. However, the counts in these more specific race categories are too small for reliable statistical reporting.

Most (93.6 %) decedents are reported as non-Hispanic White only. Multiple race categories were marked on the death certificates for 202 decedents in 2011. [Table 6-9]. A majority of those with multiple race categories (94.1 %) identified, in part, as White (in combination with one or two other races), and 71.8 percent of those selecting multiple race categories identified, in part, as American Indian. Allowing multiple race selections raises the mortality counts and rates for all race categories. For instance, when looking at single-mention race categories, the count of American Indian decedents in 2011 was 298. [Table 6-9]. This count increased by 48.7 percent to 443 when also including multiple race decedents identifying in part as American Indian, in combination with other races. [Table 6-10]. Other databases, such as birth, youth surveys, and adult telephone surveys, are now also collecting multiple race categories. The younger participants in those databases more frequently report multiple races.

## Leading causes of death<sup>4,5</sup>

### Overview

During the 20th century, with the notable exception of the great influenza pandemic of 1918–1919, heart disease was the leading cause of death among Oregonians. The 21st century, however, has been marked by the emergence of cancer as the leading cause of death. In 2001, for the first time, more Oregonians died from malignant neoplasms than diseases of the heart. During 2011, 7,768 Oregonians died from cancer while 6,215 died from heart disease.

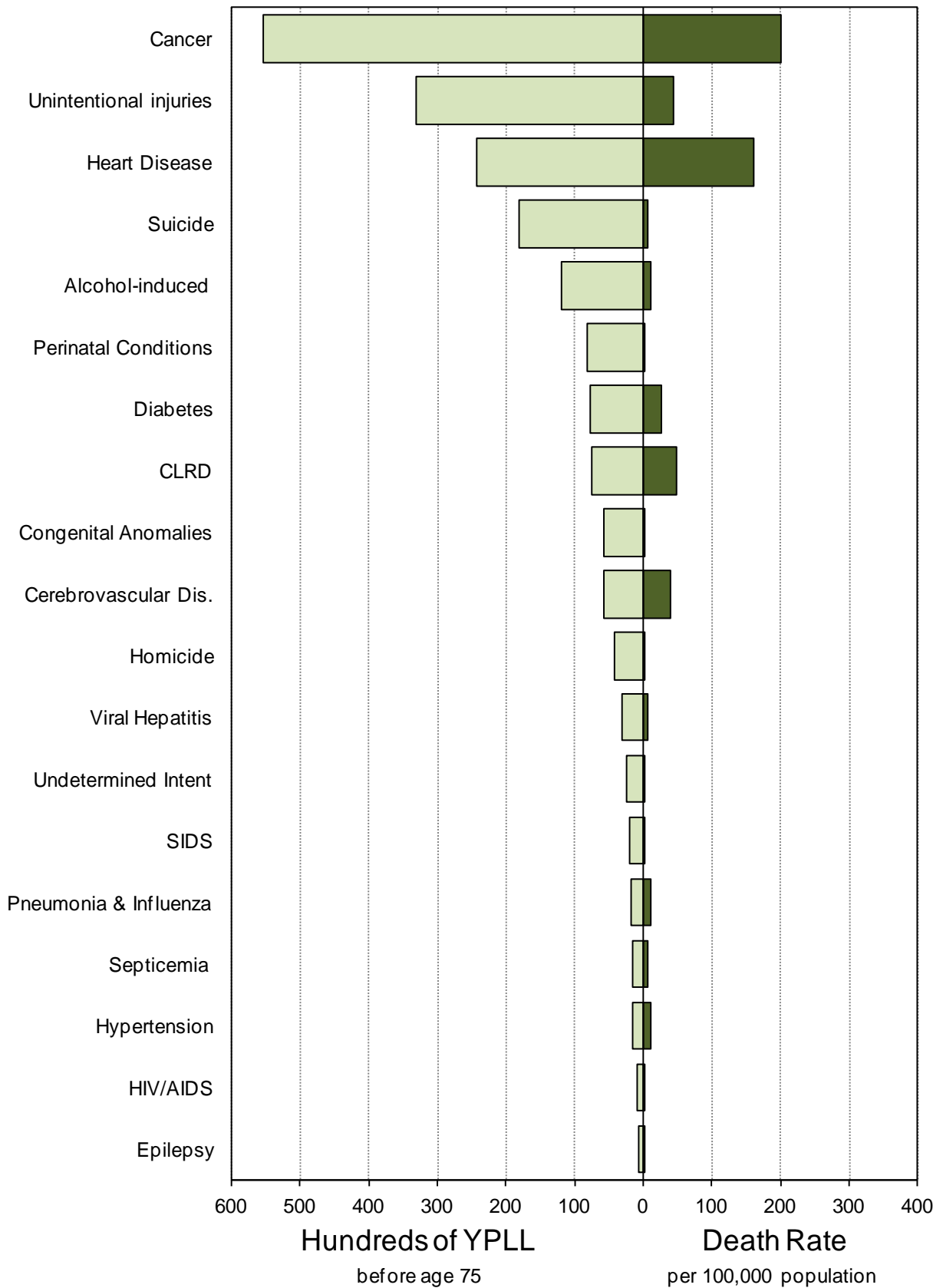
Together, malignant neoplasms and heart disease accounted for 42.7 percent of all deaths during 2011. Although the numbers of deaths resulting from these causes were similar, malignant neoplasms resulted in the loss of 2.3 times as many years of potential life as heart disease, a reflection of the younger ages of cancer's victims. [Figure 6-4 and Table 6-14]. The apparent increasing risk of cancer vis-à-vis heart disease during the 21st century is not the result of an increasing cancer death rate, but rather a declining heart disease death rate. In fact, the malignant neoplasm death rate has trended downwards in the past decade, but the heart disease death rate has fallen more rapidly.

Causes of death varied by age group. Among infants, perinatal conditions were most common. Unintentional injuries ranked first for Oregonians ages 1 through 44. From ages 45 through

Race Group*	Percent
White	<1
African American	5.2
American Indian	32.7
Asian <sup>1</sup>	8.3
Hawaiian & Pac. Isl. <sup>2</sup>	18.2

\* Decedents of Hispanic ethnicity may belong to any race.  
<sup>1</sup> Includes Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, and other Asian.  
<sup>2</sup> Includes Native Hawaiian, Guamanian, Samoan, and other Pacific Islander.

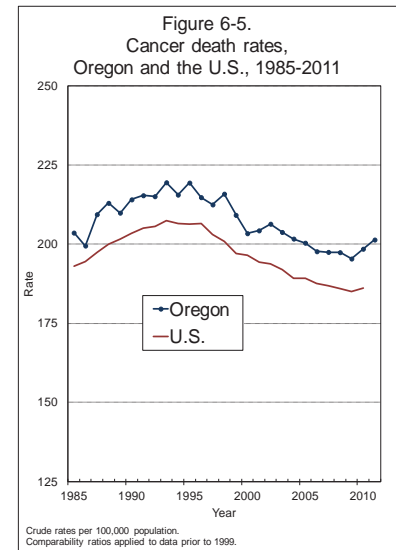
**Figure 6-4.**  
**Leading causes of years of potential life lost and**  
**corresponding death rates, Oregon residents, 2011**



84, cancer was the leading cause of death. Among residents 85 or older heart disease ranked first. [Table 6-4].

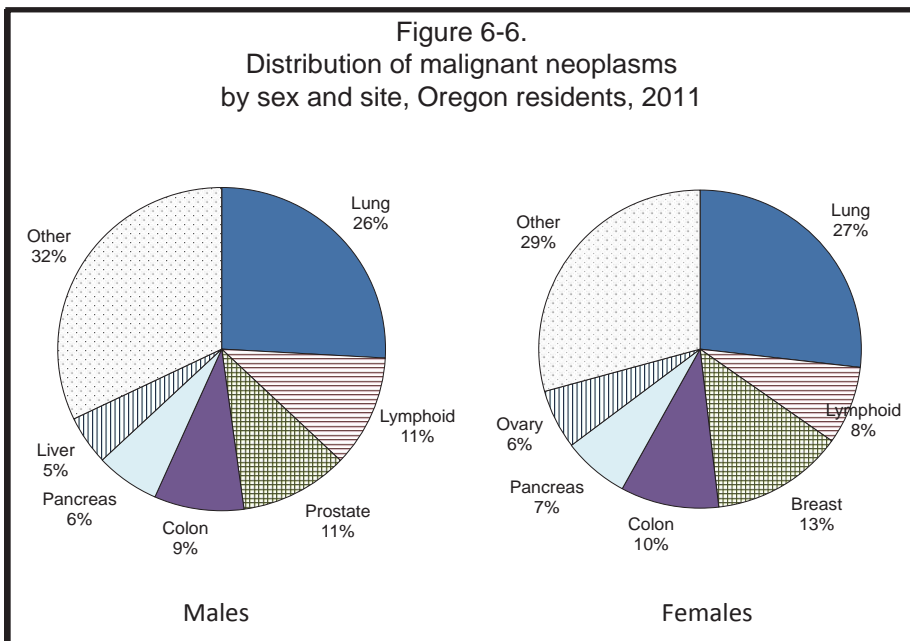
**Years of potential life lost**

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 the 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 age. With the standard set at 75 years, a death at age 21 results in 54 years lost. The numbers of YPLL for all decedents are then totaled. Figure 6-4 shows the disparity between death rates and the years of potential life lost. In all references to YPLL in this report, the standard is 75 years, unless otherwise noted. Use of YPLL measures in Figure 6-4 highlights the impact of death due to unintentional injuries. Injuries surpass any other cause for potential years of life lost before age 65 as younger people are more likely to die from injuries. Cancer is the leading cause of YPLL before age 75 [Tables 6-13 and 6-14].



**Cancer**

During 2011, cancer was the leading cause of death among Oregonians, claiming the lives of 7,768 Oregonians. Malignant neoplasms were also a contributing factor, but not the underlying cause, in another 939 deaths. For many decades, the cancer crude death rate increased inexorably, but in the



1965	5.5
1975	3.6
1985	2.0
1995	1.2
2005	1.2
2011	1.0

decade of the 1990s it hit a plateau; since then, the rate has trended downward. In 2011, the crude death rate increased to 201.4 per 100,000 population compared to 198.5 in 2010. [Table 6-3]. Age-adjusted death rates decreased lowering from 177.9 in 2010 to 172.7 in 2011. [Table 6-46t].

Malignant neoplasms were the leading cause of death for both sexes, but the difference in death rates between males and females has narrowed greatly during the past two decades. During 2011, the crude death rate for cancer was 11.0 percent higher for males than females, 212.0 versus 190.9. [Table 6-2]. Nonetheless, the disparity was far greater when age-adjusted death rates were compared, 203.0 versus 151.1, a 34.3 percent difference. [Table 6-46m and Table 6-46f].

Cancer was one of the top four leading causes of death among Oregonians of all ages, except infants, and was the leading cause of death for residents ages 45 through 84. The median age at death remained unchanged at 73 years. Malignant neoplasms were the leading cause of premature death and accounted for 55,353 years of potential life lost.

During the three-year period 2009–2011, five Oregon counties had age-adjusted rates statistically significantly higher than the state rate (175.7): Lincoln (213.7), Josephine (204.6), Coos (201.7), Douglas (199.7) and Linn (198.3). Three counties recorded statistically significantly lower rates: Washington (151.5), Deschutes (151.4) and Crook (142.0).

In the past, Oregon's age-adjusted cancer death rate was typically a little lower than the U.S. rate. However, since 2001, Oregon's rate has been slightly higher. In 2010, the rate was 0.6 percent higher than that of the nation and ranked 26th among the states and District of Columbia.<sup>3</sup> [Table 6-54].

The most common fatal cancer for both sexes is bronchus and lung cancer, a cause that would be rare in the absence of smoking. [Figure 6-6]. The increasing prevalence of smoking drove the decades-long increase in the overall malignant neoplasm death rate, especially among women. In 1960, there were 5.7 male deaths due to lung cancer for every female death, but by 2011 there was 1.0 male death for every female death. Although breast cancer is more often in the public eye, lung cancer claimed the lives of two times as many women as did breast cancer: 998 versus 497, respectively.

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***Lung cancer claimed the lives of 2.0 times as many women as did breast cancer.***

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## Heart disease

Despite brief occasional breaks in the long-term downward trend in its crude death rate, heart disease was the leading cause of death in Oregon during most of the 20th century. In 2001, for the first time, more deaths (five) resulted from cancer than from heart disease. During 2011, heart disease was the second leading cause of death, and 6,215 Oregonians succumbed to heart disease, 1,553 fewer than from malignant neoplasms. The crude death rate increased slightly from 161.0 in 2010 to 161.1 in 2011, while the age-adjusted death rate decreased from 139.7 per 100,000 population to 136.2, a record low. By comparison, the age-adjusted death rate was 264.2 in 1990, 94.0 percent higher than the 2011 rate. Heart disease was listed on 6,090 death certificates as a contributing factor in the decedent's death, but not the underlying cause.

The 2011 crude death rate for heart disease was 20.2 percent higher for males than females (176.1 versus 146.5). The 2011 age-adjusted death rate for heart disease was 72.7 percent higher for males than females (178.2 versus 103.2). [Table 6-46m and Table 6-46f].

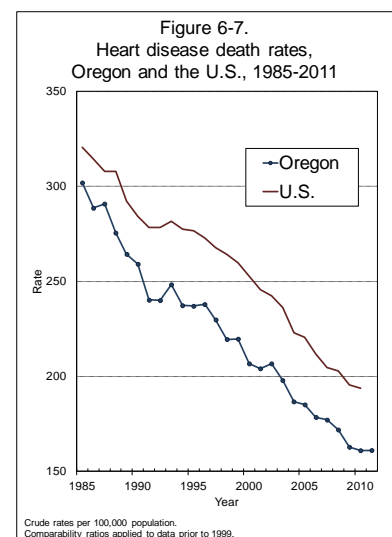
Heart disease was the leading cause of death for Oregonians age 85 or older and one of the top-five causes among all Oregonians, except infants and 5–14 year olds. It was the second leading cause of death for residents ages 45–84. [Table 6-4]. The median age at death remained unchanged at 83 years in 2011. [Table 6-15]. The relatively older ages at which Oregonians died from heart disease suppress this cause's rank among the causes of premature death; 24,368 years of potential life were lost, making it the third leading cause of premature death following cancer and unintentional injuries. [Table 6-13].

The age-adjusted death rates for 11 Oregon counties during 2009–2011 were statistically significantly higher than the state rate (139.5): Malheur (181.5), Wasco (177.8), Curry (168.5), Coos (167.3), Douglas (166.6), Lincoln (166.2), Columbia (164.6), Linn (162.4), Clatsop (162.0), Josephine (160.5) and Klamath (160.5). Statistically significantly lower rates were recorded for five counties: Deschutes (126.6), Lane (125.7), Polk (121.2), Washington (117.4) and Benton (114.5).

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### ***The heart disease death rate continues to fall.***

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***Oregon's 2010 age-adjusted heart disease death rate was the 4th lowest nationally.***

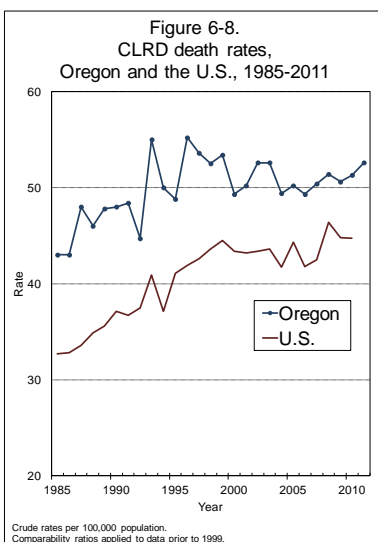
In 2010, the state's age-adjusted death rate was 23.0 percent lower than the U.S. rate, and Oregon ranked 48th (4th lowest) among the states, including the District of Columbia.<sup>3</sup> [Table 6-54]. Oregon's heart disease death rate has long been lower than the U.S. rate; however, the U.S. has seen a striking downward trend in the overall age-adjusted heart disease death rate. In 2008 the U.S. age-adjusted rate was 192.1 compared to 199.1 in 2010. [Table 6-57].

### **Chronic lower respiratory disease**

Chronic lower respiratory disease (CLRD) crude death rates increased steadily for several decades, reaching a record high of 54.9 per 100,000 population in 1996. Increased smoking, particularly by women, drove the rising death rate. CLRD is now the third leading cause of death, with 125 more deaths than cerebrovascular disease. Since 2000, the rate has varied little, ranging between 49.3 and 52.6. [Table 6-3, Figure 6-8]. The crude death rate for CLRD increased from 51.3 per 100,000 in 2010 to 52.7 in 2011. The age-adjusted death rate decreased from 46.5 to 45.6 [Table 6-46t]. CLRD was the underlying cause of death for 2,031 of Oregon's residents, but it contributed to an even larger number of deaths where it was not the underlying cause: 2,275.

In 2011, more females than males died from CLRD (1,080 versus 951), and the crude death rate was also higher for females than for males (55.4 versus 49.8). However, the age-adjusted death rate was higher for males: 50.3 per 100,000 population versus 42.9 for females. [Tables 6-46m and 6-46f]. For most of the 20th century, far more males succumbed to CLRD than did females, but since 1999 this pattern has generally been reversed (with the exceptions of 2002 and 2008). The increasing number of women dying from CLRD is a reflection of the age distribution of Oregon's population. Even in years where more females than males died of CLRD, the age-adjusted death rates were still higher for males than females.

CLRD is the third leading cause of death for Oregonians ages 55 to 84, and the age group with the largest number of CLRD deaths (708) was residents ages 75 to 84. [Table 6-4]. Although the third most common cause of death overall, chronic lower respiratory disease ranked eighth in the number of years of potential life lost (7,604). The median age at death was 78, unchanged from the previous year.



During the three-year period 2009–2011, seven counties had age-adjusted death rates statistically significantly higher than the state’s (46.1): Crook (73.2), Curry (68.1), Wasco (63.8), Douglas (61.7), Lincoln (60.5), Josephine (54.6) and Jackson (52.5). Four counties had significantly lower rates: Clackamas (38.4), Polk (35.4), Washington (31.5) and Benton (27.5).

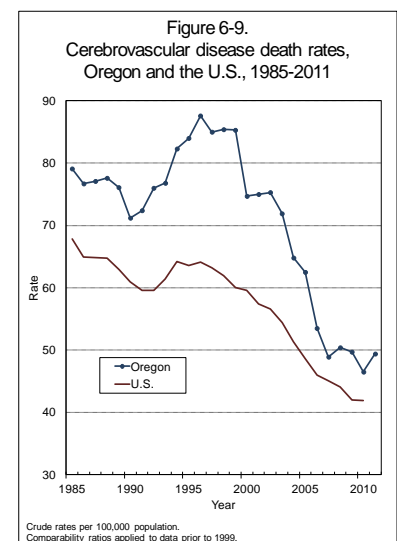
Oregon’s age-adjusted CLRD death rate has long been higher than that of the nation, but the disparity has abated somewhat in recent years. The greatest disparity occurred in 1987 when Oregon’s rate was 26.8 percent higher and ranked 11th among the states, including the District of Columbia. During 2010, the state’s rate was 7.3 percent higher than the nation’s rate and ranked 25th.<sup>3</sup> [Table 6-54]. Chronic lower respiratory disease includes a variety of conditions including emphysema, COPD, bronchitis and asthma.

### Cerebrovascular disease

Accounting for 5.8 percent of all deaths, cerebrovascular disease was the fourth leading cause of mortality among Oregonians. The number of deaths attributed to cerebrovascular disease increased from 1,787 in 2010 to 1,906 in 2011. The number of deaths where this disease was a contributing factor increased slightly from 1,373 to 1,393. For the past decade, the crude death rate for this cause has trended downward, but in 2011 increased to 49.4 per 100,000 population, up from a record low of 46.5 in 2010. [Figure 6-9]. The age-adjusted death rate also increased, from 40.5 in 2010 to 42.0 in 2011. [Table 6-46t].

For trend analysis, researchers should be aware of a coding change that occurred between 2004 and 2005 when the National Center for Health Statistics altered the cause of death classification methodology. In prior years, “multi-infarct dementia” was coded to I63.9 (cerebral infarction, unspecified) and “vascular dementia” as I67.9 (cerebrovascular disease, unspecified). Beginning in 2005, “multi-infarct dementia” was assigned to code F01.1 and “vascular dementia” to F01.9. Therefore, certain deaths are no longer counted as forms of organic dementia, reducing the number and rate of deaths attributed to this cause following 2005.

More females than males died from cerebrovascular disease, and the male crude death rate was 30.0 percent lower

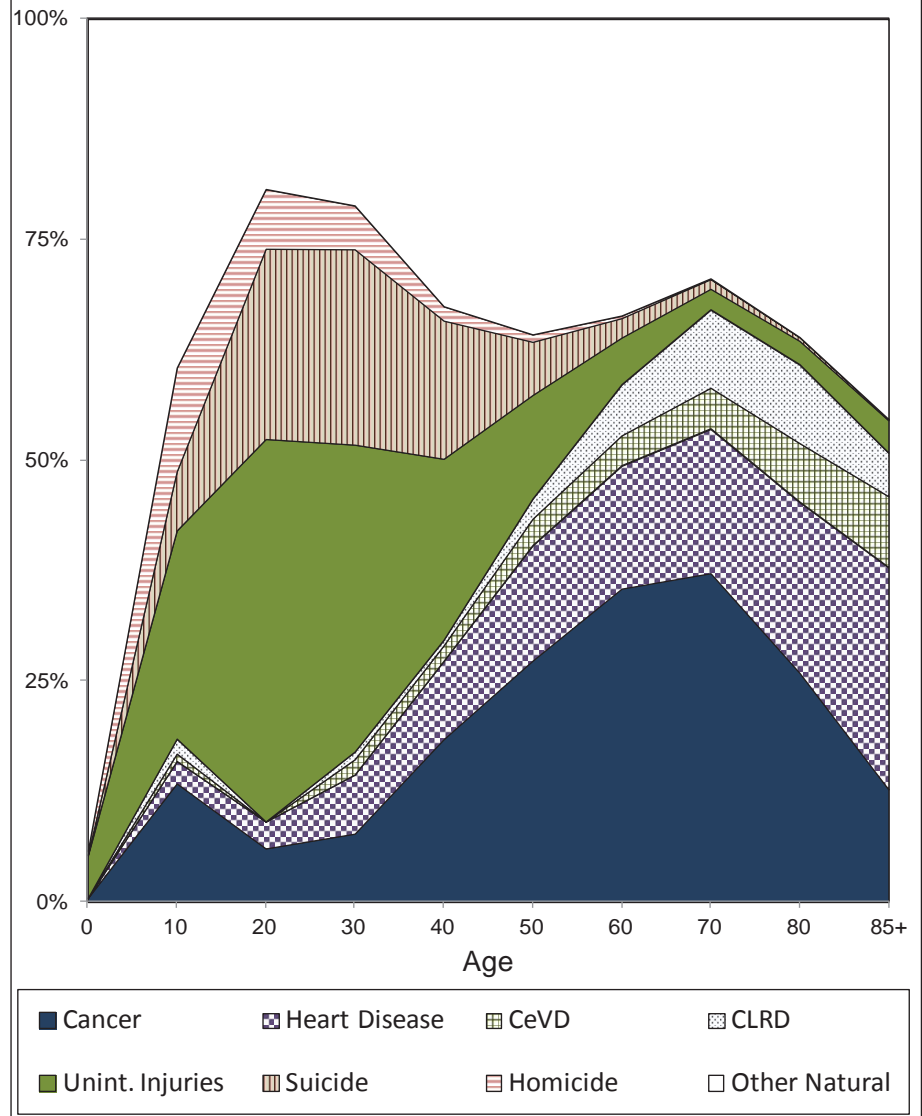




than the rate for females (40.6 versus 58.0). While the age-adjusted rate for males was 0.7 percent higher than the rate for females (41.8 versus 41.5), the difference was not statistically significant. [Tables 6-46m and 6-46f].

Fatal cerebrovascular disease was uncommon before age 45, but by age 65 it was the fourth most common cause of death among Oregon residents. At age 85 it was the third most common cause of death among Oregon residents. [Table 6-4]. Despite the frequency with which it occurred, it ranked 10th by years of potential life lost (5,709), a consequence of the older ages of decedents (compared to relatively younger ages at death for many other causes). [Table 6-13]. Over

Figure 6-10.  
Percentage of deaths by cause and age,  
Oregon residents, 2011



three-fourths (75.2 %) of the deaths occurred after age 74, and the median age at death remained unchanged from the previous year at 84 years.

During the three-year period 2009–2011, three counties had an age-adjusted death rate statistically significantly higher than the state rate (42.2): Linn (52.2), Josephine (51.3) and Marion (47.5). One county had a significantly lower rate: Washington County (33.9).

The cerebrovascular disease death rate has long been higher in Oregon than in the U.S. as a whole. In 2010, the age-adjusted death rate was 2.6 percent higher than the nation's rate and ranked 24th among the states, including the District of Columbia.<sup>3</sup> [Table 6-54].

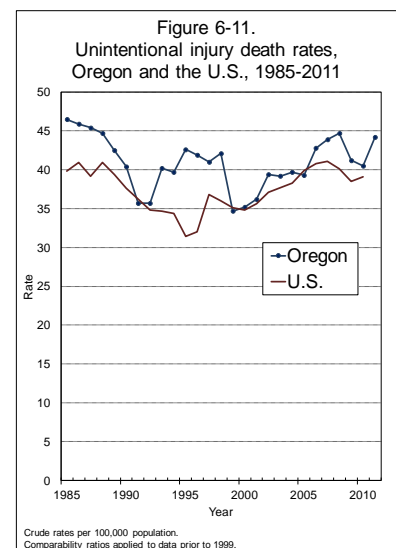
Intracerebral hemorrhages and cerebral infarctions are examples of two forms of cerebrovascular disease, but the more general term “stroke” appears most commonly on death certificates.

### Unintentional injuries

The unintentional injury<sup>6</sup> crude death rate increased from 40.5 in 2010 to 44.2 in 2011. [Table 6-3 and Figure 6-11]. Fatal unintentional injuries claimed the lives of 1,705 Oregonians, and contributed to the deaths of another 651 residents. The age-adjusted death rate increased from 37.8 a year earlier to 40.4 in 2011. Unintentional injuries were the fifth leading cause of death of Oregonians.

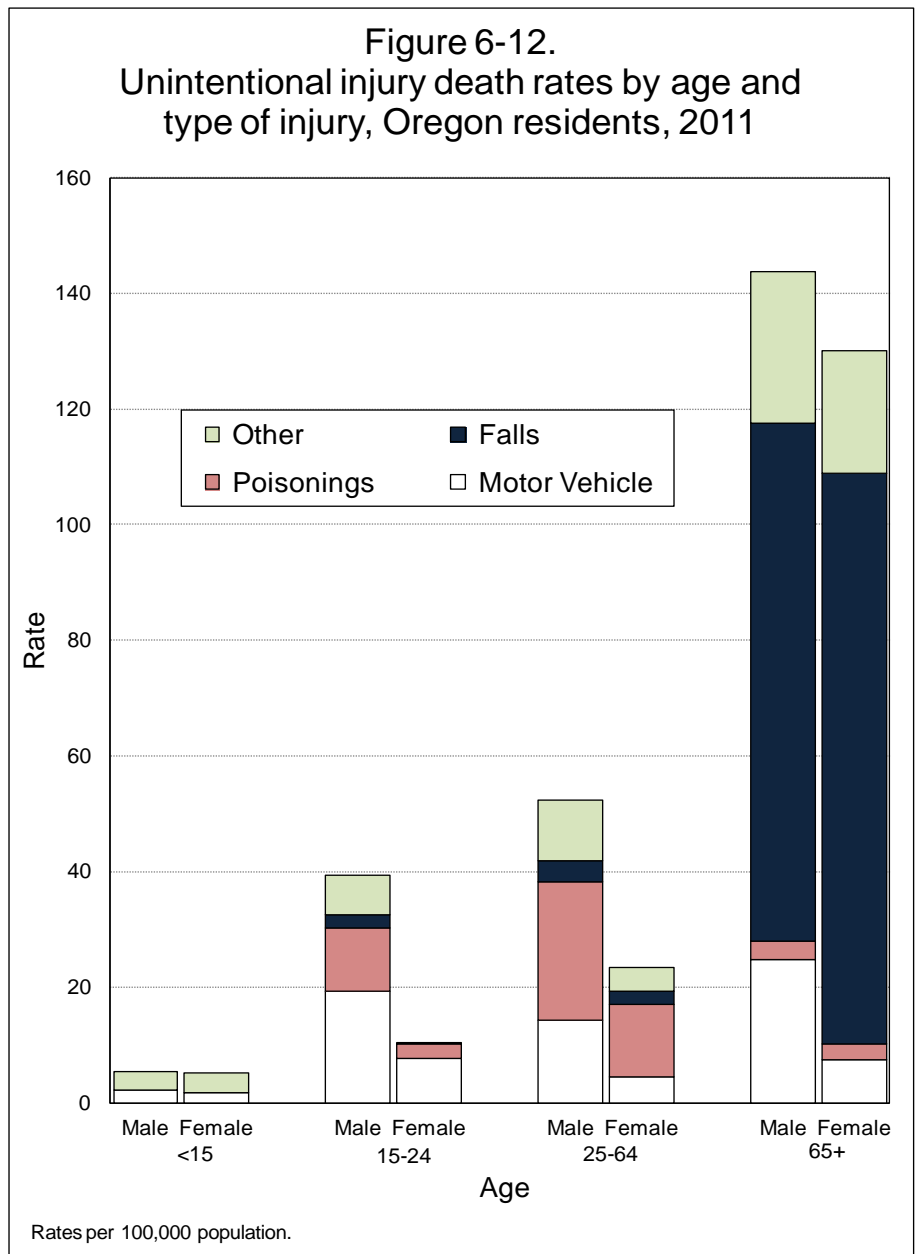
A strong gender dichotomy exists in unintentional injury deaths. The crude death rate was higher for males than for females (53.4 versus 35.2). The disparity in age-adjusted death rates was even greater; the male rate was 1.8 times the female rate: 52.9 versus 28.8. [Tables 6-46m and 6-46f].

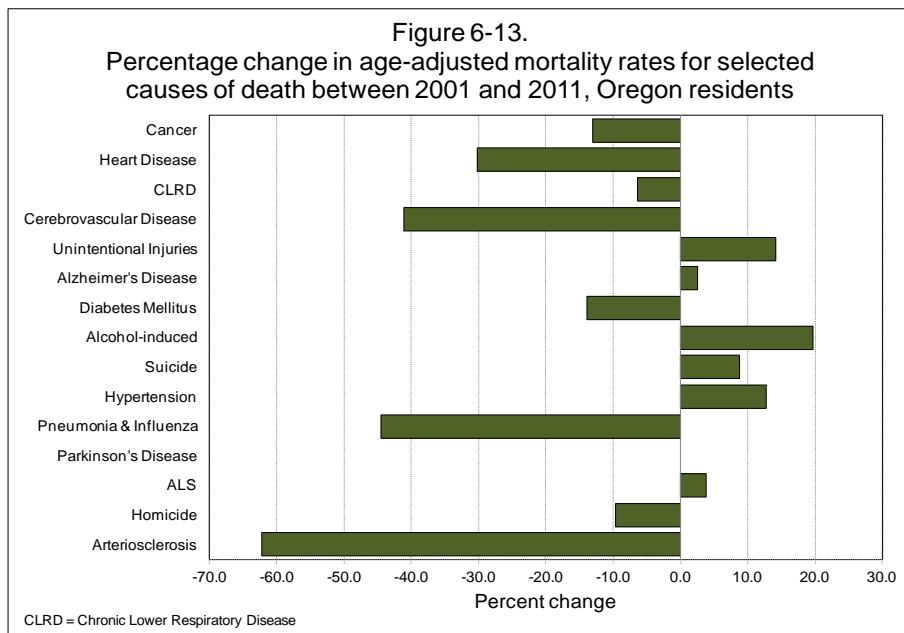
Unintentional injuries were the leading cause of death among children and adults ages 1–44 years. [Table 6-4]. While age-specific rates are relatively invariant from the mid-teens until middle age, the oldest age groups have a greatly increased unintentional injury death rate largely due to increased risk of falling. [Table 6-7t and Figure 6-12]. Although the fifth leading cause of death, unintentional injuries ranked second in years of potential life lost (33,117), reflecting its role as the most common killer of young Oregonians. The median age at death decreased from 60 in 2010 to 59 in 2011. By comparison, the median age at death in 1996 was 43.



Excluding counties with fewer than 20 deaths in the unintentional injury category during the 2009–2011 period, seven counties had age-adjusted death rates statistically significantly higher than the state rate (39.0): Harney (79.2), Jefferson (79.1), Baker (62.7), Clatsop (56.6), Coos (50.7), Josephine (49.0) and Lane (44.1). Two counties had significantly lower rates: Washington (26.1) and Benton (25.2).

During most of the past several decades, Oregon’s unintentional injury death rate has, with few exceptions, been higher than that of the nation. In 2010, the state’s age-adjusted death rate decreased below the national rate by 0.5 percent and ranked 34th among the states and District of Columbia.<sup>3</sup>





Forty-eight work-related deaths occurred in Oregon in 2011 (including both Oregon and non-Oregon residents). The victims were overwhelmingly male (45 males versus three females), with motor vehicle crashes being the most common cause of accidental death. [Table 6-49].

Just as the leading cause of death varies within different age groups, so does the type of fatal unintentional injury. [Figure 6-12]. Unintentional injury deaths occurring to children under 5 years of age most commonly resulted from suffocation or obstruction. Transportation-related injuries were most common among decedents ages 5–24 and 65–74. Among those ages 25–64, poisoning (usually of drugs used in an illicit manner) was the most common cause of unintentional injury death. Falls were the most common type of unintentional injury death among Oregonians 75 or older. [Table 6-26].

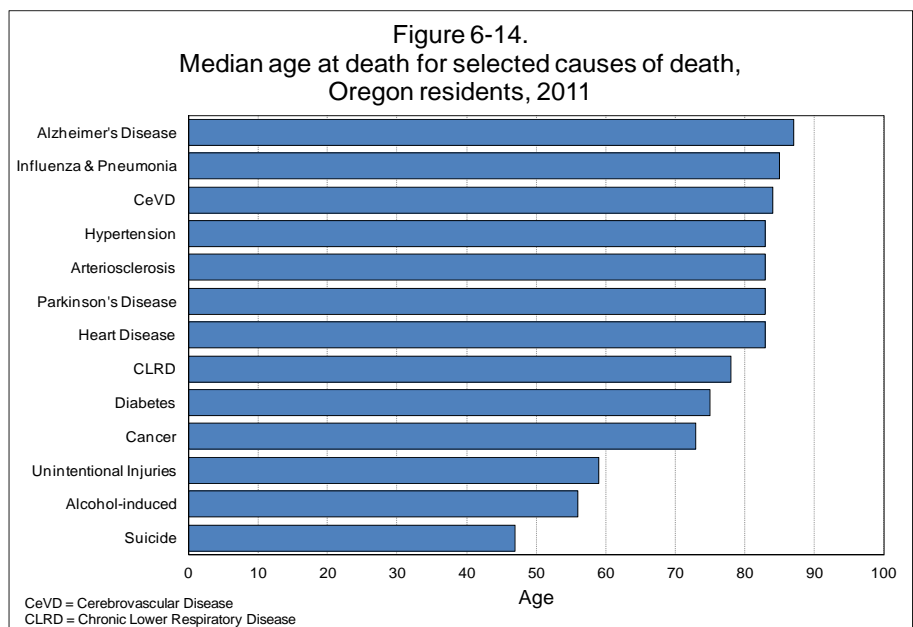
**Falls.** Falls were the most common type of fatal unintentional injury in 2011, claiming 590 Oregonians, most of whom (88.5%) were 65 or older. [Table 6-26]. Falls commonly occurred on the same level (57.5%), most often from slipping or tripping. Twenty-eight involved falls from beds, 27 involved stairs and steps, and falls from wheelchairs caused 16 deaths. [Table 6-27]. The age-adjusted death rates for fatal falls revealed that the male rate was 27.0 percent higher than the female rate (14.6 versus 11.5). [Table 6-46m and Table 6-46f]. The age-adjusted death rate

for falls increased 60.0 percent since 2001, from 8.0 per 100,000 population to 12.8 in 2011, a statistically significant difference.

**Overdoses and poisonings.** Unintentional poisonings involving drugs/medications, most often by narcotics and hallucinogens, ranked second among the types of fatal unintentional injuries, claiming 378 Oregonians in 2011. The 2011 age-adjusted death rate for poisonings is 2.7 times higher than the age-adjusted rate in 2001 (10.9 in 2011 versus 4.1 in 2001), a statistically significant difference. As with most other types of unintentional injuries, age-adjusted poisoning death rates were far higher for males than females (14.4 versus 7.3). [Table 6-46m and Table 6-46f]. The death rate peaked among residents ages 45–54 (21.7 per 100,000). [Table 6-7t].

Although 378 deaths 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, a death could be attributed to an unintentional injury or to a mental/behavioral disorder (see the first footnote of Table 6-34).

**Transportation and related fatalities.** Transportation-related injuries accounted for the third largest number of unintentional injury deaths (404) among Oregon residents, with motor vehicle traffic accidents accounting for 83.9 percent of all transportation injury deaths. [Table 6-26].



Of the 339 motor vehicle traffic accidents, 72.9 percent occurred among males. The age-adjusted motor vehicle traffic accident death rate for males was 2.7 times higher than the rate for females (12.4 per 100,000 population versus 4.6). [Tables 6-46m and 6-46f]. Although teens and young adults ages 15–24 accounted for 17.6 percent of all transportation fatalities, age-specific death rates were highest among the elderly. In rank order, the motor vehicle traffic accident death rates were highest for residents ages 75–84 (20.7), 15–24 (13.0), 85+ (12.8), 65–74 (11.2) and 45–54 (11.0). [Table 6-7t].

In most motor vehicle land transport deaths occurring in Oregon, the fatalities occurred among persons traveling by car (128), unspecified vehicle (87), foot (56), motorcycle (41), or pickup or van (28). Less common were the deaths of those traveling by pedal cycle (19), all-terrain vehicle (12), animal-drawn vehicle (5), agricultural vehicle (3), bus/coach (1) and train (1). Of all fatalities occurring among persons in cars, 16.4 percent resulted from non-collisions (i.e., rollovers following loss of control), 28.6 percent of fatalities occurring among persons in pickups or vans involved non-collisions. [Table 6-28].

**Suffocation or obstruction.** Ranking fourth, suffocation or obstruction (including hanging and strangulation) accounted for the deaths of 69 residents. [Table 6-26]. Of these 69 deaths, most (31, or 44.9 %) involved inhalation or ingestion of objects or substances other than food or gastric contents. Oregonians age 85 and older accounted for the highest number of deaths (18, or 26.0 %), and those ages 75 to 84 accounted for the second highest number of deaths (14, or 20.3 %).

**Drownings.** Ranking fifth, drownings (including those involving watercraft) accounted for the deaths of 56 residents. [Table 6-26]. There were 68 drowning deaths that occurred in Oregon (including non-resident deaths), and most of these deaths did not involve watercraft. Thirty-seven deaths occurred in natural water. Seven deaths occurred in bathtubs/hot tubs and four occurred in swimming pools. Eleven deaths involved watercraft. [Table 6-31].

### **Alzheimer's disease**

Historically, the number of deaths from Alzheimer's disease has mirrored the aging of Oregon's population, but deaths

from Alzheimer's disease have fluctuated little in recent years. The number of deaths increased from 1,297 in 2010 to 1,325 in 2011. The crude death rate also increased, from 33.7 per 100,000 in 2010 to 34.3 in 2011. The highest Alzheimer's disease death rate was seen in 2004 (35.3).

The age-adjusted death rate also increased, from 28.7 in 2009 to 28.8 in 2011. While the age-adjusted death rate has fluctuated little in recent years, it has increased over time. The 2011 age-adjusted rate is 78.9 percent higher than the 1990 rate (16.1). This is the largest increase seen among the top 10 leading causes of death. Alzheimer's disease also contributed to the deaths of 345 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 that most commonly lead to death at younger ages. The age-adjusted death rate for women was 42.5 percent higher than that for men (32.5 versus 22.8). [Tables 6-46m and 6-46f]. Alzheimer's disease was the ninth leading cause of death among men but fifth among women. [Table 6-2].

This devastating disorder takes years to claim its victim's lives; 94.3 percent of Alzheimer's deaths in 2011 occurred after the decedent's 75th birthday. [Table 6-6]. The median age at death decreased to 87 years in 2011. Alzheimer's disease was the sixth leading cause of death overall.

Excluding those with fewer than 20 deaths in this category, four counties had statistically significantly higher age-adjusted death rates than the state (28.4) during the three-year period 2009–2011: Coos (37.0), Douglas (35.7), Jackson (33.9) and Clackamas (33.9). Three counties had significantly lower rates: Marion (20.9), Polk (19.8) and Columbia (18.2).

Oregonians have long had higher rates of death from Alzheimer's disease than U.S. residents. In 2010, the state's age-adjusted death rate was 13.5 percent higher than the nation's (28.5 and 25.1, respectively) and ranked 19th among the states and District of Columbia.<sup>3</sup> [Table 6-54].

Although deaths resulting from Alzheimer's disease and Alzheimer's dementia are counted here, deaths attributed to dementia, organic dementia, presenile dementia, multi-infarct dementia and vascular dementia are included in ICD-10 codes F01 (vascular dementia) and F03 (unspecified dementia).

Beginning in 2005, the National Center for Health Statistics changed the way certain types of dementia were classified, resulting in an increase in the number of deaths attributed to vascular dementia (F01), and a decline in the number of deaths counted in the cerebrovascular disease category (see Table 6-6, footnote 10, for additional information).

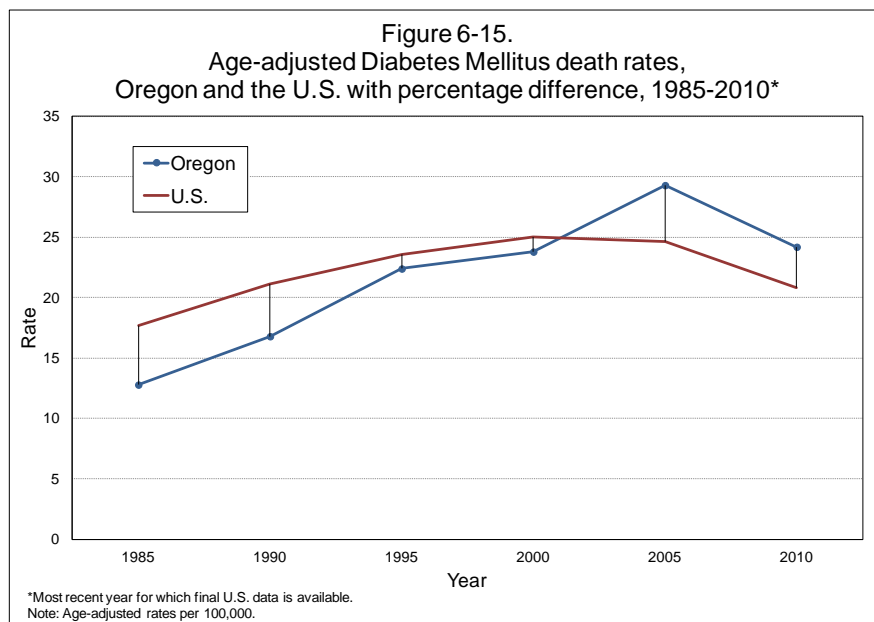
During 2011, the deaths of 2,022 Oregonians were attributed under the rubric “organic dementia” (ICD codes F01 and F03). Together, organic dementia and Alzheimer’s disease/dementia accounted for 3,347 deaths, surpassing the third leading cause of death, chronic lower respiratory disease (2,031).

### Diabetes mellitus

During 2011, diabetes mellitus was the seventh leading cause of mortality. Although the death rate for diabetes increased nearly every year during 1985–2001, it changed little during 2001–2004. Then, in 2005 the rate increased 4.0 percent over the 2004 rate to a high of 31.1 per 100,000 population. The rate has since decreased. The rate in 2011 was higher than the rate in 2010 (28.9 versus 27.4). [Table 6-3]. The age-adjusted rate in 2011 (24.8) was 44.2 percent higher than the rate in 1990 (17.2) and 15.4 percent lower than 2005’s record high (29.3). Diabetes was a contributing factor more often than it was the underlying cause of death: 2,732 versus 2,031.

The crude death rate for males was 20.5 percent higher than the rate for females (31.6 versus 26.2). [Table 6-2].

Table E - Diabetes death rates and state ranking		
Year	U.S.	Oregon
1982	17.2	12.2
Percent difference: -29.1		
Rank: Lowest		
2010	20.8	23.7
Percent difference: +13.9		
Rank: 14th highest		





The difference between male and female rates was even larger when looking at age-adjusted rates. The age-adjusted death rate for males was 48.5 percent higher than the rate for females (30.3 versus 20.4). [Tables 6-46m and 6-46f].

The majority of deaths (89.0 %) occurred after age 54. Two Oregonians younger than 25 years old died from diabetes in 2011. It was the fifth leading cause of death among Oregonians ages 65–74. The median age at death remained unchanged at 75, and was one of the lower median ages recorded among the natural causes of death. [Table 6-15]. Diabetes resulted in a loss of 7,831 years of potential life.

During the three-year period 2009–2011 five counties had statistically significantly higher age-adjusted death rates compared to the state's (24.8): Jefferson (44.7), Umatilla (36.1), Klamath (34.3), Marion (32.3) and Douglas (31.1). One county had a significantly lower rate: Washington County (19.5).

Prior to 1987, Oregon's age-adjusted diabetes death rate was consistently 25 percent to 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 U.S. In 2010, Oregon's age-adjusted rate was 13.9 percent higher than the U.S. rate, ranking 14th among the states and District of Columbia.<sup>3</sup>

### **Suicide**

Suicide claimed the lives of 639 Oregonians during 2011, decreasing from 685 deaths in the previous year. The crude death rate decreased from 17.8 per 100,000 population in 2010 to 16.6 in 2011. [Table 6-3]. The age-adjusted death rate was 16.2 during 2011, down from 17.1 the year before, lower than the record high of 17.2 in 1998. [Table 6-46t].

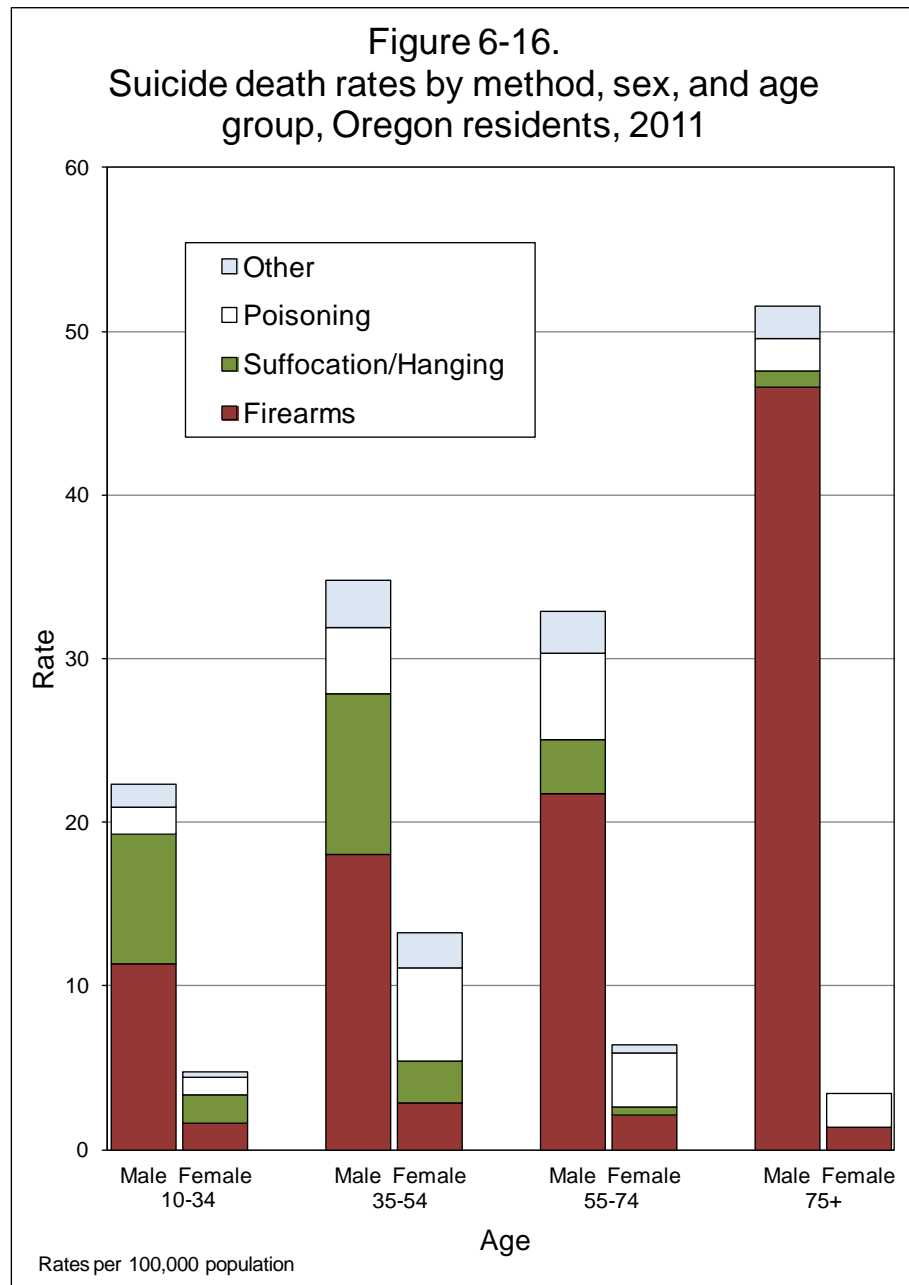
Males have long been at far greater risk than females, with age-adjusted death rates of 26.2 and 6.7, respectively. [Tables 6-46m and 6-46f]. Gender-specific rate differences were greatest among the elderly. [Tables 6-7m, and 6-7f].

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 crude rate peaked at 15.1 among 45- to 54-year-olds, while rates among males generally increased with age, with the highest crude rate (63.3) recorded among those over age 84. [Tables 6-7t, 6-7m

and 6-7f]. Although suicide death rates are high among the elderly, 66.5 percent of deaths occurred before age 55, resulting in the fourth largest number of years of potential life lost (18,023) by cause. Suicide was the second-leading cause of death among residents ages 15–34, third among those ages 5–14 and 35–44 and fifth among those ages 45–54. The median age at death decreased to 47 years. The youngest person to die by suicide was an 11-year-old male and the oldest a 96-year-old male.

Excluding counties with fewer than 20 deaths in this category, three Oregon counties had age-adjusted death rates that were statistically significantly higher than the

Table F - Number of times a male Oregonian was more likely to die by suicide than females, by age, 2007-2011	
5-14	1.6
15-24	4.3
25-34	4.0
35-44	2.7
45-54	2.6
55-64	3.7
65-74	4.7
75-84	8.8
85+	25.8



Age	Metro <sup>1</sup>	Coastal <sup>2</sup>	Other
<25	9.8%	0.0%	13.2%
25-64	77.6%	61.3%	65.8%
65+	12.7%	38.7%	20.9%
Method	Metro <sup>1</sup>	Coastal <sup>2</sup>	Other
Poison	19.2%	12.9%	16.0%
Hanging/suff.	29.4%	9.7%	18.5%
Firearm	39.6%	74.2%	59.8%
Other	11.8%	3.2%	5.8%

<sup>1</sup> Metro counties: Clackamas, Multnomah, and Washington.  
<sup>2</sup> Coastal counties: Clatsop, Coos, Curry, Lincoln, and Tillamook.

state's rate (16.4) during the three-year period 2009–2011: Curry (32.2), Klamath (27.1) and Coos (26.6). One county had a significantly lower rate: Washington County (13.1).

Oregonians have long had higher suicide rates than residents of most other states. In 2010, Oregon's age-adjusted suicide rate was 41.3 percent higher than the nation's and ranked ninth among the states and District of Columbia.<sup>3</sup>

The method of suicide varied by age and gender, but overall most deaths (52.7 %) resulted from fatal gunshot injuries. [Table 6-32 and Figure 6-16]. Firearms were the most common method of suicide for males (59.3 %) and the second most common method for females (27.5 %). Handguns were utilized in 64.1 percent of firearm suicides.

Hanging/suffocation was the second most common method of suicide (22.2 %). A slightly higher proportion of males committed suicide in this manner than females (22.8 and 19.8 percent, respectively).

Poisoning was the third most common method of suicide (17.1 %). However, the proportion of females who poisoned themselves was nearly four times that of males (41.2 versus 10.8 %). Drugs and medications were the most common method of poisoning for both females (88.9) and males (72.7).

### **Alcohol-induced deaths<sup>7</sup>**

The alcohol-induced deaths category was created to summarize alcohol-related deaths, but excludes alcohol-related injury deaths. It is not typically reported as a leading cause of death within the National Center for Health Statistics leading causes of death taxonomy, but when alcohol conditions are combined it becomes the eighth leading cause of death in Oregon. This category is comprised of alcohol-related disorders from multiple organ systems, with alcoholic liver disease accounting for the greatest number of deaths (61.8 %). 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.

Alcohol-induced deaths claimed 644 Oregonians during 2011. Additionally, alcohol was a contributing factor, but not the direct cause, in no fewer than 519 deaths. [Table

6-50]. The crude death rate increased to 16.7 per 100,000 population in 2011 from 14.9 during 2011, and the age-adjusted death rate decreased from 13.0 in 2010 to 14.6 in 2011. [Table 6-46t].

Fatal alcohol abuse was the eighth 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 2.4 times the rate for females, 20.9 versus 8.7, respectively. [Tables 6-46m and 6-46f].

Age-specific alcohol induced death rates peaked among residents ages 55–64. [Table 6-7t and Figure 6-17]. This category was the fourth leading cause of death among residents ages 45–64 years and the fifth leading cause of death among those ages 35–44. The median age at death remained unchanged from the previous year at 56. Oregonians are dying at markedly younger ages than they were in 1988 when the median age of alcohol-induced death was 62. In 2011, alcohol-induced death was the fifth leading cause of premature death, accounting for 11,984 years of potential life lost.

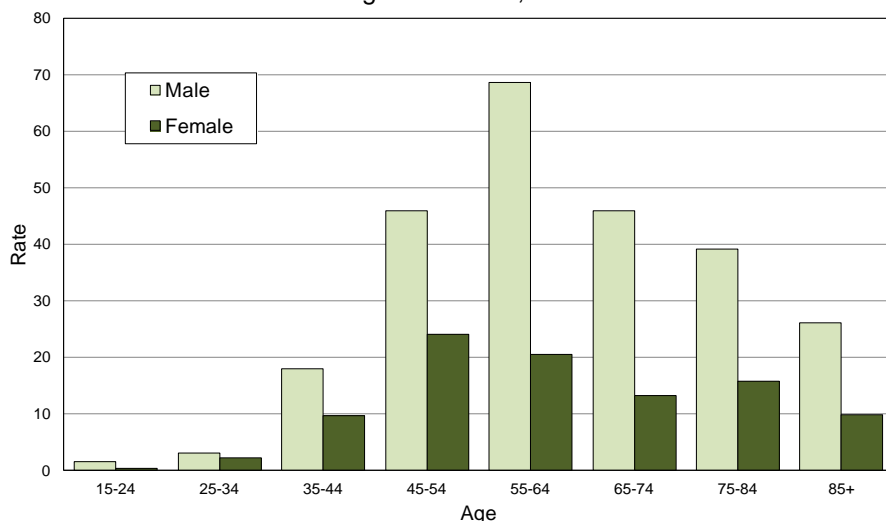
During the period 2009–2011, four counties had age-adjusted rates statistically significantly higher than the state's rate (13.8), excluding counties with fewer than 20 deaths in this category: Jefferson (47.8), Klamath (26.3), Coos (23.6) and Josephine (19.5). Rates were significantly below the state rate in two counties: Clackamas (9.7) and Washington (9.0).

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***Oregon's 2010 age-adjusted alcohol-induced death rate was the 8th highest nationally.***

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Figure 6-17.  
Age-specific alcohol-induced death rates, by sex,  
Oregon residents, 2011



**Table H - Alcohol-induced deaths by diagnoses, 2011**

Diagnosis	Count
Alcoholic liver disease	398
Mental/behavioral disorders	186
Poisoning, accidental	39
Acute or chronic pancreatitis	10
Cardiomyopathy	6
Nervous system degeneration	2
Poisoning, suicide	2

The Oregon alcohol-induced death rate has long been higher than that for the United States. In 2010, Oregon's age-adjusted rate was 69.7 percent higher than the nation's and ranked eighth among the states and the District of Columbia.<sup>3</sup> However, at least part of the difference between the state and the nation likely results 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.

### **Influenza and pneumonia**

During 2011, influenza/pneumonia claimed 396 Oregonians, down from 419 a year earlier. The crude death rate decreased from 10.9 per 100,000 population in 2010 to 10.3 in 2011. In addition, the age-adjusted rate decreased from 9.3 to 8.7. Influenza and pneumonia contributed to three times as many deaths as they directly caused: 1,136.

Although more women than men died from these two infectious diseases in 2011 (201 versus 195), age-adjusted death rates revealed that males were still at greater risk (10.8 per 100,000 population versus 7.6). [Tables 6-46m and 6-46f]. These two related types of pulmonary infections claimed Oregonians in every age group, but 76.5 percent of the deaths occurred after age 74. The median age at death remained at 85.

During the three-year period of 2009–2011, the age-adjusted death rate was statistically significantly higher than the state's rate (10.0) in Union County (27.0). Washington County had a significantly lower rate (7.6).

In recent years, Oregon's age-adjusted death rate for influenza and pneumonia has been markedly lower than the rates for most other states. In 2010, Oregon's age-adjusted death rate was 39.1 percent lower than the nation's and ranked 48th (4th lowest) among the states, including the District of Columbia.<sup>3</sup> [Table 6-54].

In 1918, influenza spread 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. In 1918 alone, the pandemic claimed the lives of 2,105 Oregonians at a time when Oregon's population was much smaller than it is today.

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***Oregon's 2010 age-adjusted influenza and pneumonia death rate was the 4th lowest nationally.***

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## Hypertension

During 2011, 449 Oregonians died as a consequence of hypertension (including hypertensive renal disease), making it the 10th leading cause of death. However, the number of deaths attributed to hypertension does not include all deaths related to this cause because many have been classified to more specific manifestations of cardiovascular disease. The crude death rate increased from 11.5 in 2010 to a record high of 11.6 in 2011, which is 2.3 times higher than the 1990 rate of 5.0. [Table 6-3]. The age-adjusted death rate decreased slightly from 9.8 in 2010 to 9.7 in 2011. The highest age-adjusted rate was in 2005 (10.6).

The crude death rate for females was higher than the rate for males (13.1 versus 10.1). The age-adjusted death rate for males was slightly higher than the rate for females (10.0 versus 9.0).

Deaths from hypertension are rare among middle-aged and younger Oregonians, but by age 65 begin to increase sharply. Age-specific death rates are 12.5 times higher among residents 85 or older compared to those ages 65–74 (265.6 versus 21.3).

During the three-year period 2009–2011, the age-adjusted death rate was statistically significantly higher than the state's rate (9.7) in two counties: Umatilla County (15.0) and Douglas (14.2). No counties had a death rate statistically significantly lower than the state's rate.

Oregon's age-adjusted hypertension death rate was markedly lower than the U.S. rate through 1985, but this trend has since reversed. In 2010, Oregon's age-adjusted hypertension death rate was 22.5 percent higher than the U.S. rate (9.8 versus 8.0) and ranked sixth nationally.<sup>3</sup> [Table 6-54].

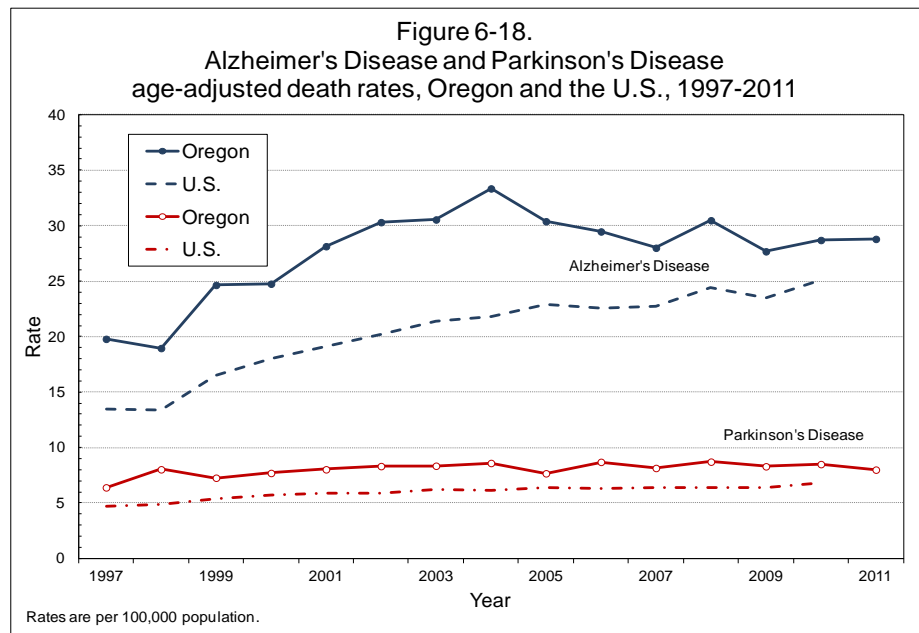
## Parkinson's disease

Ranking 12th among the leading causes of death during 2011, Parkinson's disease claimed 349 Oregon residents. The crude death rate decreased to 9.0 per 100,000 population in 2011 from 9.3 in 2010. The age-adjusted death rate decreased to 8.0 in 2011 from 8.5 in 2010. While the mortality rates for many causes have fallen in recent decades, the rate for this neurological disorder continues to trend upward, despite any short-term decreases. [Table 6-3]. The age-adjusted Parkinson's death rate for males was 2.2 times higher than that of females (11.8 versus 5.4). [Tables 6-46m and 6-46f].

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***Oregon's 2010 age-adjusted hypertension death rate was 6th highest nationally.***

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During 2009–2011, there were no counties with age-adjusted rates significantly higher or lower than the state rate (8.3).

Parkinson's disease most often claims persons 55 or older. [Table 6-6]. The median age at death has fluctuated little during the previous decade, ranging between 82 and 84. This year the median age of death remained at 83.

During 2009–2011, there were no counties with age-adjusted rates significantly higher or lower than the state rate (8.3).

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. [Table 6-54, Figure 6-18]. During 2010, Oregon's age-adjusted death rate was 22.1 percent higher than the U.S. rate and ranked sixth among the states and District of Columbia.<sup>3</sup>

### Homicide

Oregon's homicide rate decreased from 3.0 per 100,000 population in 2010 to 2.8 in 2011. [Table 6-3]. With 107 victims, homicide was the 21st leading cause of death during 2011. Only Multnomah County had more than 10 residents die from homicide in 2011. [Table 6-35].

Every year, more males than females are murdered, and 2011 was no exception. The male age-adjusted death rate increased from 3.3 per 100,000 population in 2010 to 4.2 in 2011. The female age-adjusted rate was 1.3 in 2011, a decrease from 2.5 in 2010. The total (both sexes) age-adjusted rate was 2.8, a

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***Oregon's 2010 age-adjusted Parkinson's disease death rate was the 6th highest nationally.***

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decrease from 2.9 in 2010. [Tables 6-46t, 6-46m and 6-46f].

By age, infants had higher homicide death rates than Oregonians in any other age group. During 2007–2011, their homicide rate was 4.7 compared to 3.9 for 25- to 34-year-olds, the age group with the second highest crude homicide death rate (rates based on multiple years yield more representative values than those based on the relatively small numbers recorded for any single year). Adults ages 75 to 84 and children between the ages of 5 to 14 had the lowest homicide death rates during 2007–2011 (0.8 and 0.9, respectively).

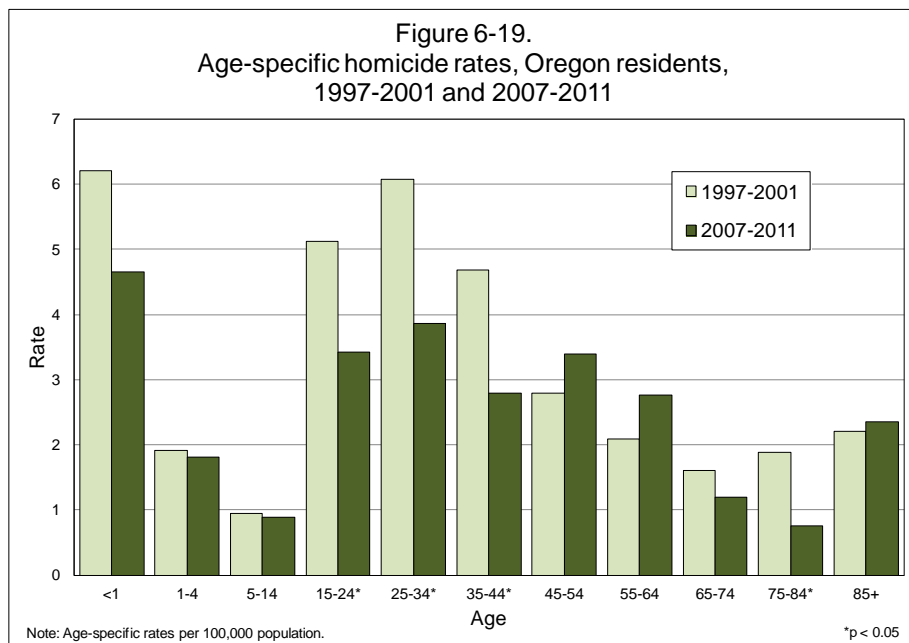
The median age at death for homicide victims in 2011 was 33 years, which was eight years of age lower than the previous year. However, homicide continues to have the lowest median age at death among the leading causes (except for causes associated with infancy). With 4,235 years of potential life lost, homicide was the 11th leading cause of premature death. During the period 2009–2011, no counties had homicide rates statistically significantly higher or lower than the state rate (2.7).

Historically, Oregon’s homicide death rate has been markedly lower than the nation’s. During 2010, the state’s rate was 45.3 percent lower and ranked 37th (11th lowest) among 47 states including the District of Columbia (states with unreliable rates excluded).<sup>3</sup> [Table 6-54].

Firearms were the most common implement of homicide, accounting for 61 (57.0%) homicide deaths in 2011.

Table I - Leading methods of homicide, 2011	
Method	Count
Firearms	61
Sharp Objects	17
Hanging/strang/suff	5
Neglect & maltreatment	3
Smoke/Fire/Flames	2
Blunt Objects	2

**Oregon’s 2010 age-adjusted homicide death rate was the 5th lowest nationally.**



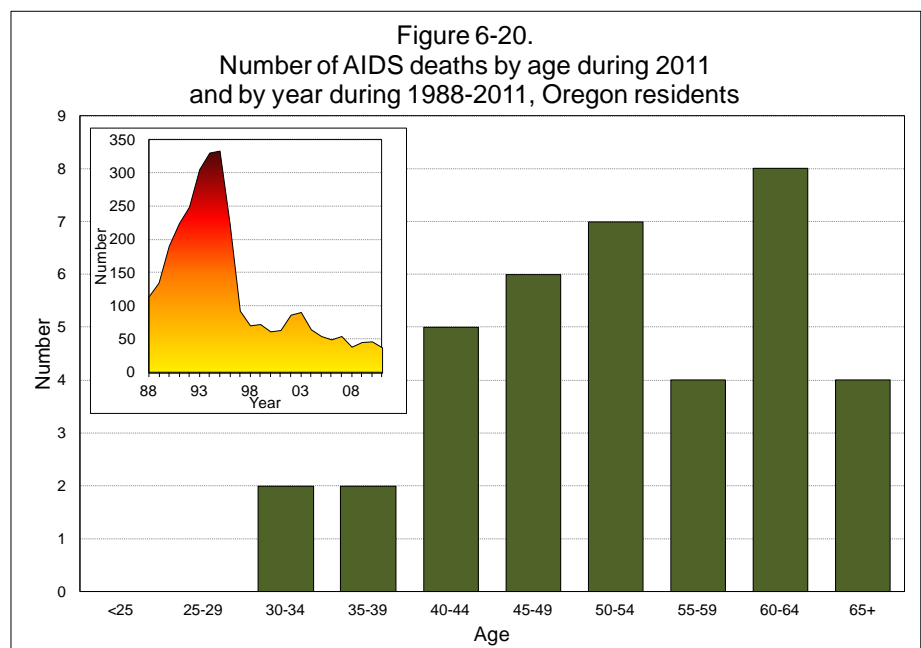


## AIDS/HIV

After peaking at 360 deaths in 1995, the number of AIDS/HIV deaths has declined. In 2011, the number of deaths decreased from 47 in 2010 to 38. The age-adjusted death rate has also greatly decreased since 1995, from 11.5 per 100,000 population to 0.9 in 2011.

In 2011, AIDS/HIV was the 26th leading cause of death among Oregonians. There is a large dichotomy by sex when looking at risk of death from AIDS/HIV. The male age-adjusted rate during the five-year period 2007–2011 was 7.0 times higher than the female rate (2.1 and 0.3, respectively). (Rates based on multiple years yield more representative values than those based on the relatively small numbers of females recorded for any single year.)

Unlike most causes of death, AIDS/HIV most often claims middle-aged adults. [Figure 6-20]. Age-specific death rates rose sharply in early adulthood with the highest rate among those ages 45–54 (2.4) and the second highest among those ages 55–64 (2.3). These rates are driven largely by deaths among males. [Tables 6-7t, 6-7m, and 6-7f]. The youngest person to die from this disease was a 30-year-old male and the oldest a 70-year-old male. The median age at death has gradually increased over time: in 1997 the median age at death was 41, compared to 53 in 2011. [Table 6-15]. The years of potential life lost were 859 years. [Table 6-13].



During 2009–2011, there was one county with age-adjusted rates significantly higher than the state rate (1.1): Multnomah County (2.3). No counties were significantly lower than the state rate.

Oregon's AIDS/HIV age-adjusted death rate has long been lower than the nation's and in 2010 was 53.8 percent lower than the national rate, ranking 30th (9th lowest) among 38 states including the District of Columbia (states with unreliable data excluded).<sup>3</sup> [Table 6-54].

### Drug-induced deaths

During 2011, fewer deaths were attributed to drug-related causes compared to those attributed to alcohol, 592 versus 644. 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.

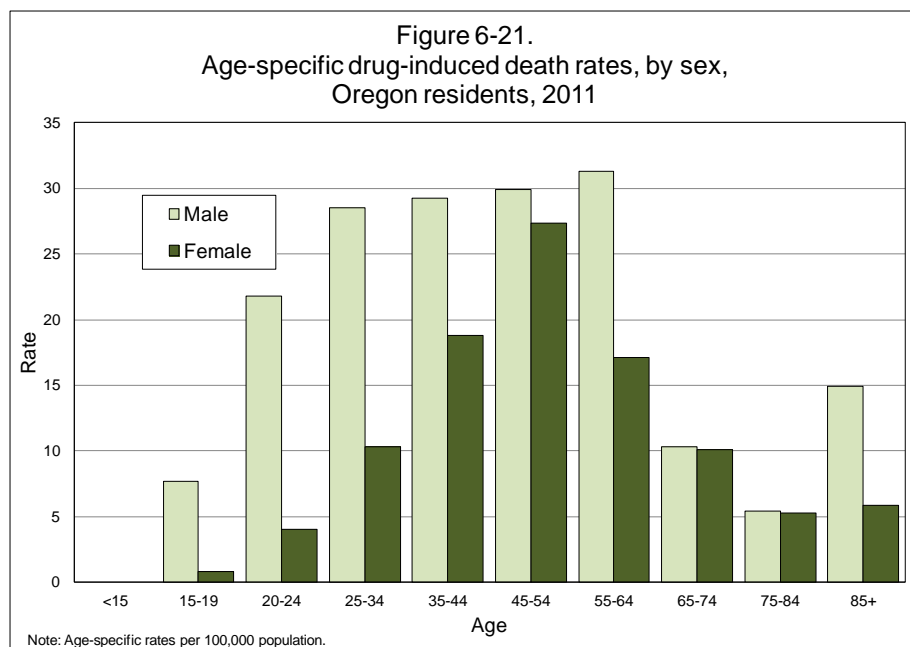
Nevertheless, with a crude death rate of 15.3 per 100,000 population, drugs/poisonings represented a significant cause of mortality among Oregonians. The drug-induced death rate has trended up during recent years, with the rate in 2006 (15.7) representing the record high.

Males were more likely to die from drug-induced causes than females. Their age-adjusted death rate was 18.6 per 100,000 population compared to 11.0 for females. Nearly half of all drug-induced deaths (46.5 %) occurred among residents ages 35–54.

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***Oregon's 2009 age-adjusted HIV/AIDS death rate was the 4th lowest nationally.***

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During the period 2009–2011, three counties had age-adjusted rates statistically significantly higher than the state rate (14.6): Clatsop (29.3), Lane (19.1) and Multnomah (18.9). Excluding counties with fewer than 20 deaths in this category, two counties had a rate significantly lower than the state rate: Washington (8.7) and Benton (8.1).

This category consists of ICD codes included in other cause of death rubrics, with the majority of deaths categorized as mental disorders, unintentional injuries and suicide.

### **Maternal deaths**

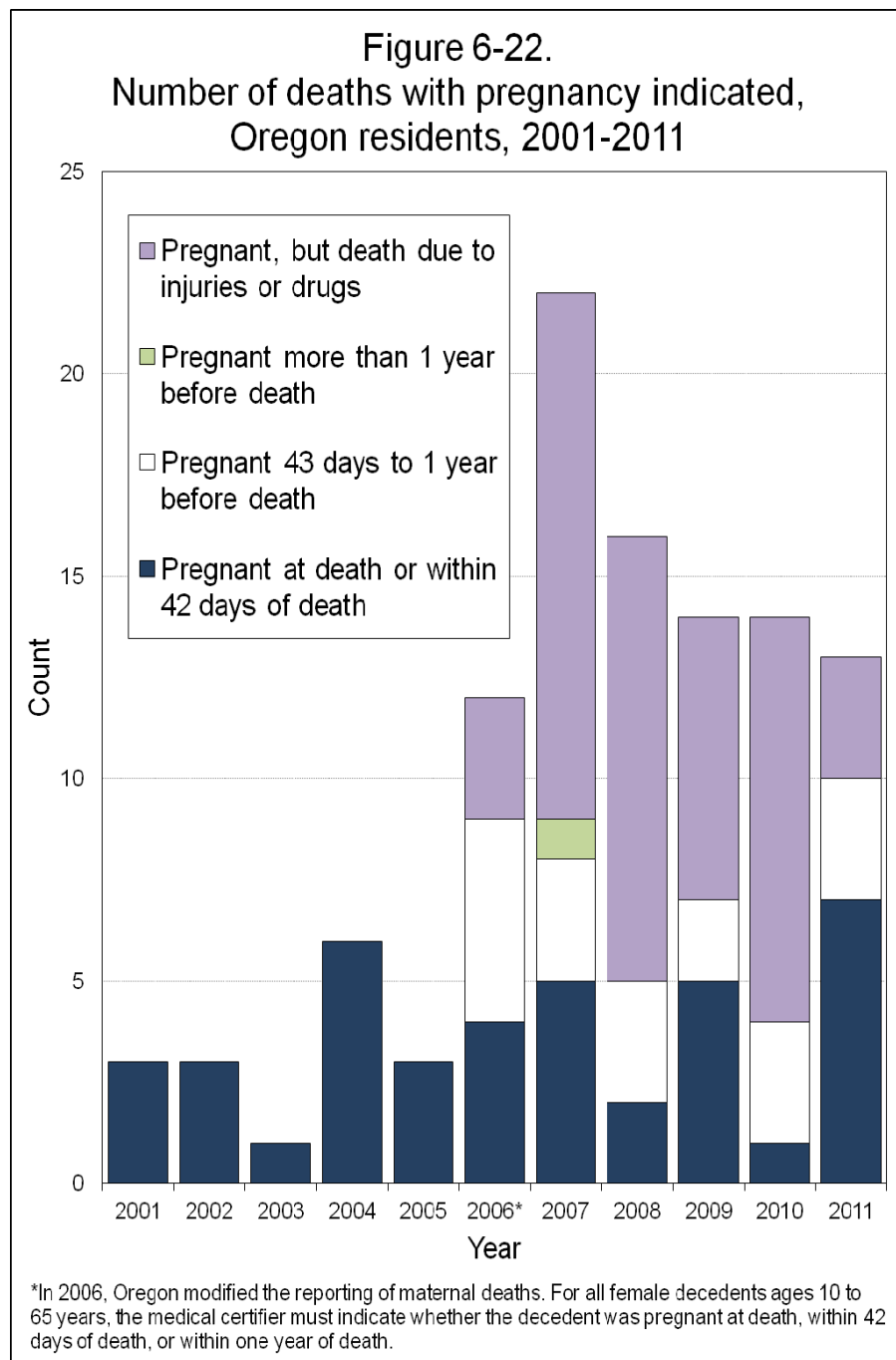
Before 2006 the category for maternal death (ICD10 codes O00-O99) included only fatalities where the female was either pregnant at the time of death or pregnant within 42 days before death. In addition, for every death of a female between 17 and 44 attributable to such causes as infections, cerebrovascular disease, digestive diseases or ill-defined unknown causes, the Center for Health Statistics re-contacted the physician and asked if the woman was pregnant at the time of death or within 42 days prior to death. Typically this querying process might yield one additional maternal death record. However, the types of records queried were small in number.

Beginning in 2006, Oregon modified the reporting of maternal deaths by adding a new item to the death certificate. An item-specific box was added under the section for causes of death. For all female decedents between 10 and 65 years of age, the medical certifier must now indicate if the decedent was pregnant at death, pregnant within 42 days of death, or pregnant within one year of death. As shown in Figure 6-22, the addition of this question has increased the count of maternal deaths.

### **Male veteran deaths**

In 2011, there were 9,501 veteran deaths. Of these, 404 were women and 9,097 were men. Due to the small number of female veterans in Oregon, the terms “non-veterans” and “veterans” refer only to males, age 18 and older throughout this section of the report. Table 6-22 contains cause of death information for veterans versus non-veterans. Male veteran population figures for rate calculation were obtained from the United States Department of Veteran Affairs, VetPop 2011 State Data Tables 8 and are shown in Appendix A, Table A-3.

The death rate for veterans in 2011 was nearly five times higher than the rate for non-veterans (3,012.7 per 100,000 population versus 603.0). However, much of this difference is due to the larger number of veterans in the older age groups. In the youngest age groups (18 to 34 years and 35 to 54 years), the ratios of veteran deaths to non-veteran deaths are 1:19 and 1:5, respectively. The ratio of veteran deaths to non-veteran deaths in the 55 to 74 year age group is nearly 1:1 (with slightly more non-veteran deaths than veteran deaths). In the oldest age group (age 75 and older), veteran deaths outnumber non-veteran deaths by a ratio of nearly 3:1. [Table 6-22].



If Female age 10-65, specify pregnancy status	<input type="text"/>
Did tobacco use contribute to death	<input type="text"/>
Manner of Death	<input type="text"/>
Was case referred to the Medical Examiner?	<input type="text"/>

Not pregnant within 1 year of death

Pregnant at time of death

Not pregnant, but pregnant within 42 days of death

Not pregnant, but pregnant 43 days to 1 year before death

Unknown if pregnant within one year of death

The age-specific death rates were not statistically significantly higher for veterans than for non-veterans for the age groups shown in Table 6-22.

The top two causes of both veteran and non-veteran deaths in 2011 were cancer and heart disease. The third most often cited cause of death for veterans was chronic lower respiratory disease (CLRD). For non-veterans the third most cited cause was unintentional injuries. [Table 6-22]. Because there are more veteran deaths than non-veteran deaths in the oldest age group, veteran death rates for causes seen primarily in older persons tend to be higher for veterans than for non-veterans (for instance, CLRD).

Suicide is the fourth leading cause of death for non-veterans and the eighth leading cause of death for veterans. The percentage of veteran deaths attributed to suicide is lower than the same for non-veterans (1.6 % versus 5.0 %). However, this masks an overall veteran suicide rate that was 1.6 times higher than that for non-veterans (47.7 versus 30.0). The suicide rate for veterans is higher than the rate for non-veterans in all age groups. The difference in rates is greatest among those ages 35 to 54 where the veteran suicide rate is 2.1 times higher than the rate for non-veterans (64.3 versus 30.3). [Table 6-22].

### **Deaths due to military operations**

The Oregon vital statistics data files do not include deaths of Oregon residents who died in military operations outside the United States. Death records of military personnel are registered with the U.S. Department of Defense and are not forwarded to the decedent'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 2003–2011. In 2011, no Oregon resident deaths were due to military operations.

**Table J - Oregon resident military deaths in Operation Iraqi Freedom, Operation Enduring Freedom, and Operation New Dawn, 2002-2011<sup>1</sup>**

County	2002 to 2006	2007	2008	2009	2010	2011	Characteristics
Benton	2	2	-	-	-	-	<b>Sex</b>
Clackamas	3	1	-	1	1	-	Male 98
Clatsop	1	1	-	-	-	-	Female 1
Columbia	-	1	-	-	-	-	Total 99
Coos	1	2	1	-	-	-	
Deschutes	1	1	2	-	-	-	
Douglas	3	-	1	1	1	-	
Hood River	1	-	-	-	1	-	
Jackson	1	1	1	-	-	-	<b>Age</b>
Jefferson	1	-	-	-	-	-	<20 5
Josephine	-	1	-	-	-	-	20-24 51
Klamath	2	1	-	-	-	-	25-29 22
Lane	-	1	1	-	-	-	30+ 21
Lincoln	2	2	-	-	-	-	Total 99
Linn	4	-	1	-	1	1	
Malheur	-	1	-	-	-	-	
Marion	2	1	-	-	-	1	
Multnomah	15	1	-	-	-	1	<b>Race</b>
Polk	2	1	-	1	1	-	White 80
Umatilla	4	-	-	-	-	-	Black 1
Union	1	-	-	-	-	-	Hawaiian 2
Wasco	1	-	-	-	-	-	Asian 2
Washington	7	2	1	1	-	1	Hispanic 8
Yamhill	1	-	-	-	-	-	Multiple 1
N.S.	1	-	-	1	-	1	Unknown <sup>2</sup> 5
<b>Total</b>	<b>56</b>	<b>20</b>	<b>8</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>Total 99</b>

<sup>1</sup>Source: <https://www.dmdc.osd.mil/dcas/pages/casualties.xhtml>.

<sup>2</sup>Race and ethnicity are unknown for all decedents after 2010, since the Defense Casualty Analysis System no longer provides race or ethnicity in the record-level datasets available on the website.

## Endnotes

1. State vital records offices within the United States maintain an interstate exchange agreement such that when a resident of a state dies outside of his or her home state, a copy of the death certificate, or electronic equivalent, is provided to the vital records office of the decedent's residence state. This exchange is highly dependent on the forwarding state of death's capacity to provide those files to Oregon.
2. The rates were electronically compared back to 1990 death files.
3. These data are from the federal Centers for Disease Control and Prevention's (CDC) WONDER online database (<http://wonder.cdc.gov/mortSQL.html>). The most recent year for which final mortality data are available was 2010 at the time of compilation of this report. Oregon mortality data from the WONDER database may vary slightly from Oregon data presented elsewhere within this annual report due to different file closure dates, different population estimate methodologies, out-of-state reporting by other states to CDC/NCHS and incorporation of Oregon's physician query results.
4. 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. Final comparability ratios have been applied to data in tables 6-3, 6-13, 6-15, 6-50 and 6-54.
5. Statewide records of cause of death were first collected in 1908.

6. “Unintentional injuries” is preferred to the term “accidents” by the public health community.
7. Neither chronic liver disease and cirrhosis nor nephritis were discussed as leading causes in the narrative section, although they would be ranked as the ninth and 13th leading causes of death under the NCHS rubric. Most of these deaths were counted under alcohol-induced deaths in the narrative section.
8. Male veteran population estimates for calculating crude death rates were obtained from the United States Department of Veteran Affairs, VetPop 2011 State Data Tables: *<http://www1.va.gov/VETDATA/docs/Demographics/11.xls>*. Accessed on April 2, 2012.



**TABLE 6-1. Age-specific Death Rates by Sex, Oregon Residents,  
1940, 1950, 1960, 1970, 1980, 1990, 2000, 2005-2011**

Year and Sex	Total	Age Groups					
		0-4	5-14	15-24	25-44	45-64	65+
<b>1940 Deaths</b> .....	1141.2	953.9	116.6	199.1	317.7	1322.7	7154.3
Male .....	1336.2	1122.6	140.5	267.4	374.5	1650.8	7831.0
Female .....	912.7	788.1	91.9	130.4	258.2	944.7	6395.2
<b>1950 Deaths</b> .....	912.9	588.1	61.7	148.2	242.0	1105.7	5836.7
Male .....	1097.2	459.9	74.1	226.0	317.4	1411.4	6619.2
Female .....	722.6	515.6	48.7	73.0	166.0	711.9	5025.0
<b>1960 Deaths</b> .....	949.1	566.3	42.5	107.0	210.5	1053.1	5796.9
Male .....	1141.2	640.3	53.3	158.4	273.3	1420.3	6854.2
Female .....	758.9	489.7	31.2	58.3	149.9	679.0	4838.8
<b>1970 Deaths</b> .....	933.8	411.4	42.9	134.4	184.4	1015.1	5617.3
Male .....	1107.6	437.8	56.5	198.9	241.7	1375.4	6893.0
Female .....	767.2	383.9	28.7	74.4	128.7	670.2	4607.6
<b>1980 Deaths</b> .....	826.4	310.7	31.9	115.8	140.8	870.8	4977.2
Male .....	931.8	333.9	36.9	167.8	193.4	1157.4	6013.3
Female .....	724.1	286.1	26.7	63.6	87.5	602.9	4209.3
<b>1990 Deaths</b> .....	882.1	215.0	21.2	97.3	142.7	711.7	4872.9
Male .....	935.0	237.8	21.3	142.2	204.2	889.7	5591.3
Female .....	831.0	191.1	21.0	50.6	81.2	540.2	4349.3
<b>2000 Deaths</b> .....	859.6	141.1	15.9	70.0	128.7	556.0	5225.4
Male .....	850.6	172.7	16.7	101.4	160.8	682.3	5589.6
Female .....	868.4	107.9	15.0	37.0	95.5	432.2	4957.1
<b>2005 Deaths</b> .....	849.6	136.2	13.2	65.6	130.6	578.6	5116.3
Male .....	837.6	143.5	14.1	98.1	171.2	722.5	5246.5
Female .....	861.5	128.5	12.2	31.4	87.9	438.3	5016.1
<b>2006 Deaths</b> .....	848.2	139.4	15.9	71.0	127.5	583.7	5089.7
Male .....	839.1	148.1	18.0	99.7	158.9	708.2	5283.6
Female .....	857.3	130.3	13.8	40.9	94.4	462.5	4938.9
<b>2007 Deaths</b> .....	839.2	140.7	13.6	63.2	126.4	585.4	5026.2
Male .....	840.3	145.4	15.5	85.9	166.8	724.6	5224.5
Female .....	838.2	135.8	11.6	39.5	83.7	449.8	4870.3
<b>2008 Deaths</b> .....	844.6	129.4	12.9	64.9	122.8	586.3	4930.9
Male .....	849.2	138.3	15.0	93.5	155.6	728.6	5147.4
Female .....	840.0	120.1	10.7	34.9	88.2	447.3	4759.5
<b>2009 Deaths</b> .....	825.1	112.6	12.5	57.0	119.8	605.7	4637.1
Male .....	828.4	124.0	12.2	79.2	155.8	750.0	4789.6
Female .....	821.8	99.6	12.8	33.8	81.6	464.6	4515.2
<b>2010 Deaths</b> .....	829.8	114.0	10.7	52.5	111.7	591.8	4626.4
Male .....	828.5	126.0	11.8	76.8	144.3	719.3	4766.7
Female .....	831.1	101.4	9.5	27.1	77.1	467.1	4513.2
<b>2011 Deaths</b> .....	848.5	111.8	13.2	58.3	122.4	594.9	4456.1
Male .....	862.0	117.2	12.7	91.6	159.3	735.4	4629.3
Female .....	835.3	106.1	13.7	23.7	84.7	459.9	4316.0

**TABLE 6-2. Leading Causes of Death for Males and Females by Rank Order, Number, Rate, Percent, and Median Age at Death, Oregon Residents, 2011**

Cause of Death in Rank Order	Rank	No.	Rate <sup>1</sup>	Pct.	Median Age
<b>Males</b>					
<b>Total</b> .....		16,449	862.0	100.0	75
Malignant Neoplasms .....	1	4,046	212.0	24.6	72
Diseases of the Heart .....	2	3,360	176.1	20.4	79
Unintended Injuries .....	3	1,019	53.4	6.2	54
Chronic Lower Respiratory Disease .....	4	951	49.8	5.8	78
Cerebrovascular Disease .....	5	775	40.6	4.7	81
Diabetes Mellitus .....	6	603	31.6	3.7	71
Suicide .....	7	508	26.6	3.1	47
Alcohol-induced .....	8	453	23.7	2.8	57
Alzheimer's Disease .....	9	393	20.6	2.4	86
Parkinson's Disease .....	10	208	10.9	1.3	83
Influenza & Pneumonia .....	11	195	10.2	1.2	86
Hypertension & Hyp. Renal Disease .....	12	193	10.1	1.2	76
Nephritis, Nephrotic Syndrome, etc. ....	13	166	8.7	1.0	84
Viral Hepatitis .....	14	127	6.7	0.8	57
Neoplasms Not Known to be Malignant .....	15	121	6.3	0.7	76
Septicemia .....	16	108	5.7	0.7	73
Aortic Aneurysm .....	17	95	5.0	0.6	74
Pneumonitis Due to Solids & Liquids .....	18	80	4.2	0.5	84
Homicide .....	18	80	4.2	0.5	31
Amyotrophic Lateral Sclerosis .....	20	65	3.4	0.4	67
<b>Females</b>					
<b>Total</b> .....		16,282	835.3	100.0	82
Malignant Neoplasms .....	1	3,722	190.9	22.9	73
Diseases of the Heart .....	2	2,855	146.5	17.5	87
Cerebrovascular Disease .....	3	1,131	58.0	6.9	86
Chronic Lower Respiratory Disease .....	4	1,080	55.4	6.6	78
Alzheimer's Disease .....	5	932	47.8	5.7	88
Unintended Injuries .....	6	686	35.2	4.2	77
Diabetes Mellitus .....	7	511	26.2	3.1	77
Hypertension & Hyp. Renal Disease .....	8	256	13.1	1.6	87
Influenza & Pneumonia .....	9	201	10.3	1.2	85
Alcohol-induced .....	10	191	9.8	1.2	54
Nephritis, Nephrotic Syndrome, etc. ....	11	164	8.4	1.0	85
Parkinson's Disease .....	12	141	7.2	0.9	83
Suicide .....	13	131	6.7	0.8	47
Neoplasms Not Known to be Malignant .....	14	125	6.4	0.8	82
Septicemia .....	15	95	4.9	0.6	75
Pneumonitis Due to Solids & Liquids .....	16	82	4.2	0.5	88
Congenital Malformations .....	17	74	3.8	0.5	31
Aortic Aneurysm .....	18	64	3.3	0.4	83
Viral Hepatitis .....	19	57	2.9	0.4	59
Amyotrophic Lateral Sclerosis .....	20	52	2.7	0.3	75

<sup>1</sup> All Rates per 100,000 population.

**TABLE 6-3. Selected Leading Causes of Death with Rates, Oregon Residents, 1992-2011**

Year	Total	Cancer	Major Cardiovascular Diseases				CLRD	Alzheimer's Disease	Diabetes Mellitus
			Heart Disease	CeVD	HBP	Arterio-sclerosis			
Number of Deaths									
1992 .....	25,714	6,421	7,148	2,245	196	303	1,325	488	586
1993 .....	27,596	6,684	7,539	2,313	210	329	1,661	550	654
1994 .....	27,361	6,660	7,307	2,514	219	290	1,529	599	675
1995 .....	28,190	6,887	7,418	2,608	215	288	1,520	688	719
1996 .....	28,900	6,847	7,562	2,764	217	247	1,745	740	753
1997 .....	28,750	6,853	7,389	2,712	256	229	1,716	718	832
1998 .....	29,346	7,072	7,168	2,768	224	220	1,705	806	887
1999 .....	29,356	6,903	7,252	2,817	246	198	1,762	868	855
2000 .....	29,541	6,989	7,104	2,567	225	230	1,696	905	847
2001 .....	30,128	7,091	7,086	2,604	312	195	1,743	1,038	1,033
2002 .....	31,082	7,232	7,245	2,639	353	210	1,842	1,125	1,034
2003 .....	30,813	7,217	7,008	2,548	345	205	1,818	1,149	1,032
2004 .....	30,201	7,227	6,687	2,322	358	174	1,770	1,263	1,072
2005 .....	30,854	7,277	6,721	2,268	429	191	1,822	1,231	1,131
2006 .....	31,304	7,295	6,588	1,973	362	118	1,820	1,228	1,139
2007 .....	31,433	7,398	6,632	1,833	361	124	1,886	1,195	1,114
2008 .....	32,020	7,484	6,516	1,909	406	92	1,950	1,299	1,030
2009 .....	31,547	7,470	6,226	1,900	424	79	1,935	1,212	1,069
2010 .....	31,899	7,630	6,191	1,787	442	69	1,973	1,297	1,052
2011 .....	32,731	7,768	6,215	1,906	449	88	2,031	1,325	1,114
Rate per 100,000 Population									
1992 .....	863.2	215.5	239.9	75.4	6.6	10.2	44.5	16.4	19.7
1993 .....	908.4	220.0	248.1	76.1	6.9	10.8	54.7	18.1	21.5
1994 .....	887.8	216.1	237.1	81.6	7.1	9.4	49.6	19.4	21.9
1995 .....	900.1	219.9	236.8	83.3	6.9	9.2	48.5	22.0	22.9
1996 .....	908.5	215.2	237.7	86.9	6.8	7.8	54.9	23.3	23.7
1997 .....	893.7	213.0	229.7	84.3	7.9	7.1	53.3	22.3	25.9
1998 .....	898.1	216.4	219.4	84.7	6.9	6.7	52.2	24.7	27.1
1999 .....	889.4	209.1	219.7	85.3	7.5	6.0	53.4	26.3	25.9
2000 .....	859.6	203.4	206.7	74.7	6.5	6.7	49.3	26.3	24.6
2001 .....	867.8	204.3	204.1	75.0	9.0	5.6	50.2	29.9	29.8
2002 .....	886.9	206.4	206.7	75.3	10.1	6.0	52.6	32.1	29.5
2003 .....	870.1	203.8	197.9	71.9	9.7	5.8	51.3	32.4	29.1
2004 .....	843.0	201.7	186.7	64.8	10.0	4.9	49.4	35.3	29.9
2005 .....	849.6	200.4	185.1	62.5	11.8	5.3	50.2	33.9	31.1
2006 .....	848.2	197.7	178.5	53.5	9.8	3.2	49.3	33.3	30.9
2007 .....	839.2	197.5	177.1	48.9	9.6	3.3	50.4	31.9	29.7
2008 .....	844.6	197.4	171.9	50.4	10.7	2.4	51.4	34.3	27.2
2009 .....	825.1	195.4	162.8	49.7	11.1	2.1	50.6	31.7	28.0
2010 .....	829.8	198.5	161.0	46.5	11.5	1.8	51.3	33.7	27.4
2011 .....	848.5	201.4	161.1	49.4	11.6	2.3	52.6	34.3	28.9

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.

**TABLE 6-3. Selected Leading Causes of Death with Rates, Oregon Residents, 1992-2011**

Year	Alcohol-induced	Pneumonia & Influenza	Parkinson's Disease	HIV	External Cause			
					Unintentional Injuries	Suicide	Firearms (Any Manner)	Homicide
Number of Deaths								
1992 .....	320	587	140	269	1,058	493	420	154
1993 .....	363	707	171	330	1,215	473	392	142
1994 .....	352	617	195	357	1,217	526	447	180
1995 .....	358	627	234	360	1,325	527	439	154
1996 .....	419	660	238	241	1,328	534	430	143
1997 .....	382	634	216	101	1,313	539	428	125
1998 .....	380	704	278	77	1,371	570	441	134
1999 .....	304	684	256	73	1,144	499	391	109
2000 .....	383	637	278	62	1,211	502	378	93
2001 .....	431	576	293	64	1,257	524	360	107
2002 .....	442	661	306	87	1,382	517	376	106
2003 .....	518	633	310	91	1,388	589	393	91
2004 .....	510	554	321	65	1,423	555	383	112
2005 .....	536	606	298	55	1,427	559	400	103
2006 .....	473	522	346	50	1,579	573	381	111
2007 .....	542	481	327	55	1,643	604	387	80
2008 .....	540	519	352	39	1,694	581	387	99
2009 .....	571	509	344	46	1,577	640	413	102
2010 .....	571	419	356	47	1,557	685	458	114
2011 .....	644	396	349	38	1,705	639	417	107
Rate per 100,000 Population								
1992 .....	10.7	19.7	4.7	9.0	35.5	16.6	14.1	5.2
1993 .....	11.9	23.3	5.6	10.9	40.0	15.6	12.9	4.7
1994 .....	11.4	20.0	6.3	11.6	39.5	17.1	14.5	5.9
1995 .....	11.4	20.0	7.5	11.5	42.3	16.8	14.0	4.9
1996 .....	13.2	20.7	7.5	7.6	41.7	16.8	13.5	4.5
1997 .....	11.9	19.7	6.7	3.1	40.8	16.8	13.3	3.9
1998 .....	11.6	21.6	8.5	2.4	41.9	17.5	13.5	4.1
1999 .....	9.2	20.7	7.8	2.2	34.7	15.1	11.8	3.3
2000 .....	11.1	18.5	8.1	1.8	35.2	14.6	11.0	2.7
2001 .....	12.4	16.6	8.4	1.8	36.2	15.1	10.4	3.1
2002 .....	12.6	18.9	8.7	2.5	39.4	14.8	10.7	3.0
2003 .....	14.6	17.9	8.8	2.6	39.2	16.6	11.1	2.6
2004 .....	14.2	15.5	9.0	1.8	39.7	15.5	10.7	3.1
2005 .....	14.8	16.7	8.2	1.5	39.3	15.4	11.0	2.8
2006 .....	12.8	14.1	9.4	1.4	42.8	15.5	10.3	3.0
2007 .....	14.5	12.8	8.7	1.5	43.9	16.1	10.3	2.1
2008 .....	14.2	13.7	9.3	1.0	44.7	15.3	10.2	2.6
2009 .....	14.9	13.3	9.0	1.2	41.2	16.7	10.8	2.7
2010 .....	14.9	10.9	9.3	1.2	40.5	17.8	11.9	3.0
2011 .....	16.7	10.3	9.0	1.0	44.2	16.6	10.8	2.8

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.

**TABLE 6-4. Leading Causes of Death by Age Group and Sex, Oregon Residents, 2011**

Cause of Death in Rank Order*	Rank	Both Sexes			Male		Female	
		No.	Rate <sup>1</sup>	Pct.	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
<b>All Ages</b>								
<b>Total</b> .....		32,731	848.5	100.0	16,449	862.0	16,282	835.3
Malignant Neoplasms .....	1	7,768	201.4	23.7	4,046	212.0	3,722	190.9
Heart Disease .....	2	6,215	161.1	19.0	3,360	176.1	2,855	146.5
Chronic Lower Respiratory Disease ..	3	2,031	52.6	6.2	951	49.8	1,080	55.4
Cerebrovascular Disease .....	4	1,906	49.4	5.8	775	40.6	1,131	58.0
Unintentional Injuries .....	5	1,705	44.2	5.2	1,019	53.4	686	35.2
<b>Under 1 Year</b>								
<b>Total</b> .....		210	465.3	100.0	110	474.1	100	455.9
Perinatal Conditions .....	1	109	241.5	51.9	63	271.6	46	209.7
Congenital Malformations .....	2	45	99.7	21.4	20	86.2	25	114.0
Sudden Infant Death Syndrome .....	3	28	62.0	13.3	14	60.3	14	63.8
Unintentional Injuries .....	4	10	22.2	4.8	4	17.2	6	27.4
Diarrhea & Gastroenteritis .....	5	4	8.9	1.9	2	8.6	2	9.1
<b>1-4 Years</b>								
<b>Total</b> .....		56	29.0	100.0	33	33.4	23	24.5
Unintentional Injuries .....	1	16	8.3	28.6	9	9.1	7	7.4
Congenital Malformations .....	2	7	3.6	12.5	2	2.0	5	5.3
Homicide .....	3	6	3.1	10.7	4	4.0	2	2.1
Malignant Neoplasms .....	4	5	2.6	8.9	3	3.0	2	2.1
Benign/Uncertain Neoplasms .....	5	2	1.0	3.6	2	2.0	—	—
Infantile Cerebral Palsy .....	5	2	1.0	3.6	2	2.0	—	—
Heart Disease .....	5	2	1.0	3.6	1	1.0	1	1.1
<b>5-14 Years</b>								
<b>Total</b> .....		63	13.2	100.0	31	12.7	32	13.7
Unintentional Injuries .....	1	12	2.5	19.0	7	2.9	5	2.1
Malignant Neoplasms .....	2	11	2.3	17.5	5	2.0	6	2.6
Homicide .....	3	8	1.7	12.7	6	2.5	2	0.9
Suicide .....	3	8	1.7	12.7	5	2.0	3	1.3
Congenital Malformations .....	5	5	1.0	7.9	2	0.8	3	1.3
<b>15-24 Years</b>								
<b>Total</b> .....		296	58.3	100.0	237	91.6	59	23.7
Unintentional Injuries .....	1	128	25.2	43.2	102	39.4	26	10.5
Suicide .....	2	64	12.6	21.6	55	21.3	9	3.6
Homicide .....	3	20	3.9	6.8	18	7.0	2	0.8
Malignant Neoplasms .....	4	18	3.5	6.1	13	5.0	5	2.0
Heart Disease .....	5	9	1.8	3.0	8	3.1	1	0.4
<b>25-34 Years</b>								
<b>Total</b> .....		464	87.8	100.0	322	120.7	142	54.3
Unintentional Injuries .....	1	161	30.5	34.7	117	43.9	44	16.8
Suicide .....	2	103	19.5	22.2	85	31.9	18	6.9
Malignant Neoplasms .....	3	36	6.8	7.8	16	6.0	20	7.6
Heart Disease .....	4	31	5.9	6.7	22	8.2	9	3.4
Homicide .....	5	23	4.4	5.0	19	7.1	4	1.5

See footnotes at end of table.

TABLE 6-4. Leading Causes of Death by Age Group and Sex, Oregon Residents, 2011

Cause of Death in Rank Order*	Rank	Both Sexes			Male		Female	
		No.	Rate <sup>1</sup>	Pct.	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
<b>35-44 Years</b>								
<b>Total</b> .....		802	158.5	100.0	511	199.5	291	116.5
Unintentional Injuries .....	1	164	32.4	20.4	111	43.3	53	21.2
Malignant Neoplasms .....	2	148	29.3	18.5	68	26.5	80	32.0
Suicide .....	3	126	24.9	15.7	98	38.3	28	11.2
Heart Disease .....	4	71	14.0	8.9	54	21.1	17	6.8
Alcohol-induced .....	5	70	13.8	8.7	46	18.0	24	9.6
<b>45-54 Years</b>								
<b>Total</b> .....		2,040	381.6	100.0	1,195	452.9	845	312.1
Malignant Neoplasms .....	1	558	104.4	27.4	262	99.3	296	109.3
Heart Disease .....	2	266	49.8	13.0	197	74.7	69	25.5
Unintentional Injuries .....	3	239	44.7	11.7	160	60.6	79	29.2
Alcohol-induced .....	4	186	34.8	9.1	121	45.9	65	24.0
Suicide .....	5	124	23.2	6.1	83	31.5	41	15.1
<b>55-64 Years</b>								
<b>Total</b> .....		4,191	817.3	100.0	2,579	1,034.3	1,612	611.8
Malignant Neoplasms .....	1	1,488	290.2	35.5	821	329.3	667	253.2
Heart Disease .....	2	583	113.7	13.9	421	168.8	162	61.5
Chronic Lower Respiratory Disease ..	3	241	47.0	5.8	120	48.1	121	45.9
Alcohol-induced .....	4	225	43.9	5.4	171	68.6	54	20.5
Unintentional Injuries .....	5	222	43.3	5.3	154	61.8	68	25.8
<b>65-74 Years</b>								
<b>Total</b> .....		5,339	1,750.9	100.0	3,043	2,084.6	2,296	1,444.4
Malignant Neoplasms .....	1	1,989	652.3	37.3	1,074	735.8	915	575.6
Heart Disease .....	2	872	286.0	16.3	603	413.1	269	169.2
Chronic Lower Respiratory Disease ..	3	471	154.5	8.8	216	148.0	255	160.4
Cerebrovascular Disease .....	4	246	80.7	4.6	129	88.4	117	73.6
Diabetes Mellitus .....	5	232	76.1	4.3	138	94.5	94	59.1
<b>75-84 Years</b>								
<b>Total</b> .....		7,974	4,709.3	100.0	4,032	5,442.9	3,942	4,138.7
Malignant Neoplasms .....	1	2,071	1,223.1	26.0	1,073	1,448.5	998	1,047.8
Heart Disease .....	2	1,541	910.1	19.3	891	1,202.8	650	682.4
Chronic Lower Respiratory Disease ..	3	708	418.1	8.9	331	446.8	377	395.8
Cerebrovascular Disease .....	4	529	312.4	6.6	234	315.9	295	309.7
Alzheimer's Disease .....	5	363	214.4	4.6	143	193.0	220	231.0
<b>85+ Years</b>								
<b>Total</b> .....		11,293	14,489.7	100.0	4,355	16,216.7	6,938	13,581.8
Heart Disease .....	1	2,839	3,642.6	25.1	1,163	4,330.7	1,676	3,280.9
Malignant Neoplasms .....	2	1,443	1,851.5	12.8	710	2,643.8	733	1,434.9
Cerebrovascular Disease .....	3	905	1,161.2	8.0	285	1,061.3	620	1,213.7
Alzheimer's Disease .....	4	886	1,136.8	7.8	227	845.3	659	1,290.1
Chronic Lower Respiratory Disease ..	5	554	710.8	4.9	256	953.3	298	583.4

<sup>1</sup> All Rates per 100,000 population.

\* 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.

— Quantity is zero.

**TABLE 6-5. Deaths by Marital Status, Sex, and Age, Oregon Residents, 2011**

Marital Status and Sex	Total	Age at Death							
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45-49
<b>Total*</b> .....	32,731	329	103	193	201	263	313	489	729
Male .....	16,449	174	83	154	144	178	192	319	426
Female .....	16,282	155	20	39	57	85	121	170	303
<b>Single</b> .....	3,011	327	103	173	148	151	125	168	206
Male .....	2,018	173	83	141	113	116	82	130	138
Female .....	993	154	20	32	35	35	43	38	68
<b>Married</b> .....	12,219	–	–	13	35	72	115	185	253
Male .....	8,017	–	–	8	21	36	65	109	136
Female .....	4,202	–	–	5	14	36	50	76	117
<b>Widowed</b> .....	11,459	2	–	–	1	–	3	4	19
Male .....	3,159	1	–	–	–	–	2	1	7
Female .....	8,300	1	–	–	1	–	1	3	12
<b>Divorced</b> .....	5,826	–	–	6	15	38	67	126	237
Male .....	3,101	–	–	4	9	25	40	76	138
Female .....	2,725	–	–	2	6	13	27	50	99
<b>Not Stated</b> .....	216	–	–	1	2	2	3	6	14
Male .....	154	–	–	1	1	1	3	3	7
Female .....	62	–	–	–	1	1	–	3	7

Marital Status and Sex	Age at Death								
	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90+
<b>Total*</b> .....	1,311	1,821	2,370	2,560	2,779	3,471	4,503	5,346	5,947
Male .....	769	1,146	1,433	1,463	1,580	1,816	2,216	2,324	2,031
Female .....	542	675	937	1,097	1,199	1,655	2,287	3,022	3,916
<b>Single</b> .....	308	327	234	174	109	110	126	102	120
Male .....	216	249	163	122	71	69	62	48	42
Female .....	92	78	71	52	38	41	64	54	78
<b>Married</b> .....	498	752	1,135	1,296	1,427	1,689	1,919	1,757	1,073
Male .....	251	433	703	804	935	1,126	1,296	1,273	821
Female .....	247	319	432	492	492	563	623	484	252
<b>Widowed</b> .....	61	83	204	342	551	1,027	1,847	2,937	4,377
Male .....	25	39	59	95	174	310	568	803	1,075
Female .....	36	44	145	247	377	717	1,279	2,134	3,302
<b>Divorced</b> .....	428	628	748	717	671	632	599	545	369
Male .....	267	400	473	419	381	301	281	197	90
Female .....	161	228	275	298	290	331	318	348	279
<b>Not Stated</b> .....	16	31	49	31	21	13	12	5	8
Male .....	10	25	35	23	19	10	9	3	3
Female .....	6	6	14	8	2	3	3	2	5

\* Includes unknown age and sex.

– Quantity is zero.

**TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011**

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death											NS
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
<b>Total*</b> .....	32,731	210	56	63	296	464	802	2,040	4,191	5,339	7,974	11,293	3
Male ....	16,449	110	33	31	237	322	511	1,195	2,579	3,043	4,032	4,355	1
Female ....	16,282	100	23	32	59	142	291	845	1,612	2,296	3,942	6,938	2
<b>Infections &amp; Parasitic Disease (A00-B99)</b> .....	640	6	3	2	3	8	14	101	162	98	122	121	-
Male ....	373	4	2	-	2	7	8	65	117	54	60	54	-
Female ....	267	2	1	2	1	1	6	36	45	44	62	67	-
Tuberculosis (A16-A19) .....	4	-	-	-	-	1	-	-	1	1	-	1	-
Male ....	1	-	-	-	-	1	-	-	-	-	-	-	-
Female ....	3	-	-	-	-	-	-	-	1	1	-	1	-
Meningococcal infection (A39) .....	2	1	-	-	-	-	-	-	-	1	-	-	-
Male ....	1	1	-	-	-	-	-	-	-	-	-	-	-
Female ....	1	-	-	-	-	-	-	-	-	1	-	-	-
Septicemia (A40-A41) .....	203	1	1	-	3	2	1	18	33	39	58	47	-
Male ....	108	1	1	-	2	1	-	10	20	21	30	22	-
Female ....	95	-	-	-	1	1	1	8	13	18	28	25	-
Creutzfeldt-Jacob disease (A81.0) .....	18	-	-	-	-	-	-	4	3	8	1	2	-
Male ....	7	-	-	-	-	-	-	2	-	3	-	2	-
Female ....	11	-	-	-	-	-	-	2	3	5	1	-	-
Viral hepatitis (B15-B19) .....	184	-	-	-	-	-	5	58	93	19	7	2	-
Male ....	127	-	-	-	-	-	2	37	72	13	3	-	-
Female ....	57	-	-	-	-	-	3	21	21	6	4	2	-
HIV/AIDS (B20-B24) <sup>2</sup> .....	38	-	-	-	-	2	7	13	12	4	-	-	-
Male ....	34	-	-	-	-	2	6	11	11	4	-	-	-
Female ....	4	-	-	-	-	-	1	2	1	-	-	-	-
<b>Malignant Neoplasms (C00-C97)</b> .....	7,768	1	5	11	18	36	148	558	1,488	1,989	2,071	1,443	-
Male ....	4,046	1	3	5	13	16	68	262	821	1,074	1,073	710	-
Female ....	3,722	-	2	6	5	20	80	296	667	915	998	733	-
Lip, oral cavity & pharynx (C00-C14) .....	107	-	-	-	-	1	1	7	25	32	24	17	-
Male ....	70	-	-	-	-	-	1	2	19	23	15	10	-
Female ....	37	-	-	-	-	1	-	5	6	9	9	7	-
Digestive Organs (C15-C26) .....	1,916	-	-	-	-	3	40	169	436	476	458	334	-
Male ....	1,062	-	-	-	-	1	24	101	284	275	247	130	-
Female ....	854	-	-	-	-	2	16	68	152	201	211	204	-
Esophagus (C15) .....	190	-	-	-	-	-	3	21	52	40	53	21	-
Male ....	147	-	-	-	-	-	2	13	43	36	43	10	-
Female ....	43	-	-	-	-	1	1	8	9	4	10	11	-

See footnotes at end of table.



**TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011 — Continued**

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death										NS	
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84		85+
Stomach (C16) .....	113	-	-	-	-	-	3	10	22	33	26	19	-
Male ....	69	-	-	-	-	-	2	7	14	21	18	7	-
Female ....	44	-	-	-	-	-	1	3	8	12	8	12	-
Colon, rectum & anus (C18-C21) .....	725	-	-	-	-	1	22	75	114	157	181	175	-
Male ....	358	-	-	-	-	-	12	41	67	85	86	67	-
Female ....	367	-	-	-	-	1	10	34	47	72	95	108	-
Colon (C18) .....	547	-	-	-	-	1	14	45	83	117	140	147	-
Male ....	270	-	-	-	-	-	9	25	50	59	69	58	-
Female ....	277	-	-	-	-	1	5	20	33	58	71	89	-
Rectosigmoid junction (C19) .....	42	-	-	-	-	-	4	7	6	9	9	7	-
Male ....	22	-	-	-	-	-	2	3	5	7	5	-	-
Female ....	20	-	-	-	-	-	2	4	1	2	4	7	-
Rectum (C20) .....	114	-	-	-	-	-	3	21	17	29	27	17	-
Male ....	62	-	-	-	-	-	1	12	9	19	12	9	-
Female ....	52	-	-	-	-	-	2	9	8	10	15	8	-
Liver & intrahepatic bile ducts (C22) .....	291	-	-	-	-	1	5	26	114	70	51	24	-
Male ....	199	-	-	-	-	-	3	18	88	48	33	9	-
Female ....	92	-	-	-	-	1	2	8	26	22	18	15	-
Pancreas (C25) .....	503	-	-	-	-	1	7	35	113	149	120	78	-
Male ....	255	-	-	-	-	1	5	21	63	77	57	31	-
Female ....	248	-	-	-	-	-	2	14	50	72	63	47	-
Respiratory, intrathoracic organs (C30-C39) ...	2,091	-	-	-	-	1	10	120	400	661	630	269	-
Male ....	1,081	-	-	-	-	-	4	61	219	357	311	129	-
Female ....	1,010	-	-	-	-	1	6	59	181	304	319	140	-
Larynx (C32) .....	33	-	-	-	-	-	-	2	9	11	7	4	-
Male ....	27	-	-	-	-	-	-	2	8	8	6	3	-
Female ....	6	-	-	-	-	-	-	-	1	3	1	1	-
Trachea, bronchus & lung (C33-C34) .....	2,046	-	-	-	-	1	10	117	389	646	620	263	-
Male ....	1,047	-	-	-	-	-	4	58	210	348	303	124	-
Female ....	999	-	-	-	-	1	6	59	179	298	317	139	-
Bronchus & lung (C34) .....	2,045	-	-	-	-	1	10	117	389	646	620	262	-
Male ....	1,047	-	-	-	-	-	4	58	210	348	303	124	-
Female ....	998	-	-	-	-	1	6	59	179	298	317	138	-
Skin (C43-C44) .....	197	-	-	-	1	4	7	22	44	47	36	36	-
Male ....	128	-	-	-	1	3	3	12	30	32	24	23	-
Female ....	69	-	-	-	-	1	4	10	14	15	12	13	-

See footnotes at end of table.

TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death										85+	NS
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84		
Melanoma of skin (C43)	153	-	-	-	1	4	7	18	37	37	25	24	-
Male	100	-	-	-	1	3	3	11	24	26	16	16	-
Female	53	-	-	-	-	1	4	7	13	11	9	8	-
Mesothelioma (C45)	41	-	-	-	-	-	-	-	2	12	15	12	-
Male	28	-	-	-	-	-	-	-	2	9	8	9	-
Female	13	-	-	-	-	-	-	-	-	3	7	3	-
Breast (C50)	500	-	-	-	-	5	19	65	115	117	100	79	-
Male	3	-	-	-	-	-	-	-	-	-	2	1	-
Female	497	-	-	-	-	5	19	65	115	117	98	78	-
Female genital organs (C51-C58)	418	-	-	-	-	3	18	44	81	105	104	63	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	418	-	-	-	-	3	18	44	81	105	104	63	-
Cervix uteri (C53)	53	-	-	-	-	3	7	9	11	5	10	8	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	53	-	-	-	-	3	7	9	11	5	10	8	-
Corpus uteri (C54-C55) <sup>3</sup>	111	-	-	-	-	-	2	12	21	32	28	16	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	111	-	-	-	-	-	2	12	21	32	28	16	-
Ovary (C56)	225	-	-	-	-	-	8	21	44	59	59	34	-
Male	-	-	-	-	-	-	-	-	-	-	-	-	-
Female	225	-	-	-	-	-	8	21	44	59	59	34	-
Male genital organs (C60-C63)	440	-	-	-	-	-	-	7	37	80	156	160	-
Male	440	-	-	-	-	-	-	7	37	80	156	160	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Prostate (C61)	434	-	-	-	-	-	-	4	36	79	155	160	-
Male	434	-	-	-	-	-	-	4	36	79	155	160	-
Female	-	-	-	-	-	-	-	-	-	-	-	-	-
Kidney & renal pelvis (C64-C65)	191	-	-	-	-	-	1	11	47	51	37	44	-
Male	124	-	-	-	-	-	-	8	32	36	23	25	-
Female	67	-	-	-	-	-	1	3	15	15	14	19	-
Bladder (C67)	232	-	-	-	-	-	-	3	25	54	74	76	-
Male	176	-	-	-	-	-	-	3	19	42	55	57	-
Female	56	-	-	-	-	-	-	-	6	12	19	19	-
Brain, etc. (C70-C72) <sup>4</sup>	219	-	1	-	3	6	16	31	61	60	27	14	-
Male	131	-	-	-	3	2	11	17	38	38	15	7	-
Female	88	-	1	-	-	4	5	14	23	22	12	7	-

See footnotes at end of table.

TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death											85+	NS
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84			
Thyroid/endocrine gland (C73-C75) .....	36	-	2	1	-	-	-	3	7	4	4	17	2	-
Male ....	21	-	2	1	-	-	3	4	2	2	8	1	-	
Female ....	15	-	-	-	-	-	-	3	2	2	9	1	-	
Lymphoid & hematopoietic (C81-C96) .....	750	1	2	5	7	9	18	37	97	169	225	180	-	
Male ....	454	1	1	2	3	6	15	27	65	109	131	94	-	
Female ....	296	-	1	3	4	3	3	10	32	60	94	86	-	
Hodgkin's disease (C81) .....	22	-	-	-	-	2	3	3	1	5	3	5	-	
Male ....	14	-	-	-	-	1	3	2	1	2	3	2	-	
Female ....	8	-	-	-	-	1	-	1	-	3	-	3	-	
Non-Hodgkin's lymphoma (C82-C85) .....	257	-	-	1	-	2	4	12	31	52	83	72	-	
Male ....	147	-	-	-	-	1	4	11	23	28	46	34	-	
Female ....	110	-	-	1	-	1	-	1	8	24	37	38	-	
Leukemia (C91-C95) .....	306	1	2	4	7	5	9	13	39	64	88	74	-	
Male ....	193	1	1	2	3	4	7	8	23	45	55	44	-	
Female ....	113	-	1	2	4	1	2	5	16	19	33	30	-	
Lymphoid leukemia (C91) .....	90	-	1	2	3	-	4	3	7	15	30	25	-	
Male ....	57	-	1	1	1	-	2	1	6	10	20	15	-	
Female ....	33	-	-	1	2	-	2	2	1	5	10	10	-	
Myeloid leukemia (C92) .....	168	1	-	1	4	4	5	9	26	41	44	33	-	
Male ....	104	1	-	1	2	3	5	6	15	29	24	18	-	
Female ....	64	-	-	-	2	1	-	3	11	12	20	15	-	
Multiple myeloma (C88, C90) <sup>5</sup> .....	163	-	-	-	-	-	2	9	25	48	51	28	-	
Male ....	99	-	-	-	-	-	1	6	17	34	27	14	-	
Female ....	64	-	-	-	-	-	1	3	8	14	24	14	-	
<b>Neoplas. Not Specif. as Malign. (D00-D48)<sup>6</sup> ..</b>	246	-	2	-	1	3	3	8	26	51	77	75	-	
Male ....	121	-	2	-	1	1	3	1	18	28	40	27	-	
Female ....	125	-	-	-	-	2	-	7	8	23	37	48	-	
Myelodysplastic syndromes (D46) .....	98	-	-	-	-	1	-	1	6	24	35	31	-	
Male ....	51	-	-	-	-	-	-	-	6	13	18	14	-	
Female ....	47	-	-	-	-	1	-	1	-	11	17	17	-	
<b>Diseases of the Blood (D50-89)<sup>7</sup> .....</b>	113	1	1	3	-	-	2	6	19	12	17	52	-	
Male ....	44	-	-	-	-	-	2	3	9	6	5	19	-	
Female ....	69	1	1	3	-	-	-	3	10	6	12	33	-	
Anemias (D50-D64) .....	61	-	-	1	-	-	-	1	9	7	7	36	-	
Male ....	26	-	-	-	-	-	-	1	6	4	2	13	-	
Female ....	35	-	-	1	-	-	-	-	3	3	5	23	-	

See footnotes at end of table.

TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death											85+	NS
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84			
<b>Endocrine &amp; Nutritional Dis. (E00-E88)<sup>8</sup> .....</b>	1,588	-	1	3	6	16	48	132	281	324	388	389	-	
Male .....	841	-	1	3	5	9	21	81	181	190	194	156	-	
Female .....	747	-	-	-	1	7	27	51	100	134	194	233	-	
<b>Diabetes mellitus (E10-E14) .....</b>	1,114	-	-	-	2	9	32	80	198	232	294	267	-	
Male .....	603	-	-	-	2	4	16	52	129	138	149	113	-	
Female .....	511	-	-	-	-	5	16	28	69	94	145	154	-	
<b>Nutritional deficiencies (E40-E64) .....</b>	32	-	-	-	-	-	-	2	5	4	7	14	-	
Male .....	12	-	-	-	-	-	-	1	1	3	3	4	-	
Female .....	20	-	-	-	-	-	-	1	4	1	4	10	-	
<b>Malnutrition (E40-E46) .....</b>	27	-	-	-	-	-	-	1	4	4	6	12	-	
Male .....	12	-	-	-	-	-	-	1	1	3	3	4	-	
Female .....	15	-	-	-	-	-	-	-	3	1	3	8	-	
<b>Mental Disorders (F01-F99)<sup>9</sup> .....</b>	2,373	-	1	-	8	7	23	71	125	127	503	1,508	-	
Male .....	930	-	-	-	7	6	20	51	92	88	192	474	-	
Female .....	1,443	-	1	-	1	1	3	20	33	39	311	1,034	-	
<b>Organic dementia (F01, F03)<sup>10</sup> .....</b>	2,022	-	1	-	-	-	-	4	18	73	468	1,458	-	
Male .....	684	-	-	-	-	-	-	2	9	48	172	453	-	
Female .....	1,338	-	1	-	-	-	-	2	9	25	296	1,005	-	
<b>Due to alcohol (F10)<sup>11</sup> .....</b>	186	-	-	-	1	2	14	48	61	32	16	12	-	
Male .....	145	-	-	-	1	1	13	37	50	26	10	7	-	
Female .....	41	-	-	-	-	1	1	11	11	6	6	5	-	
<b>Due to psychoactive substance (F11-F19) .....</b>	74	-	-	-	6	4	6	10	30	11	4	3	-	
Male .....	52	-	-	-	6	4	4	6	22	6	2	2	-	
Female .....	22	-	-	-	-	-	2	4	8	5	2	1	-	
<b>Nervous System Disease (G00-G99) .....</b>	2,214	1	3	2	11	8	26	53	118	228	654	1,109	1	
Male .....	900	1	2	1	6	6	16	30	70	115	314	339	-	
Female .....	1,314	-	1	1	5	2	10	23	48	113	340	770	1	
<b>Meningitis (G00, G03) .....</b>	7	-	-	1	-	-	1	-	-	1	2	2	-	
Male .....	2	-	-	-	-	-	-	-	-	1	-	1	-	
Female .....	5	-	-	1	-	-	1	-	-	-	2	1	-	
<b>Amyotrophic lateral sclerosis (G12.2) .....</b>	117	-	-	-	-	-	4	10	22	33	38	10	-	
Male .....	65	-	-	-	-	-	3	9	14	18	18	3	-	
Female .....	52	-	-	-	-	-	1	1	8	15	20	7	-	
<b>Parkinson's disease (G20-G21) .....</b>	349	-	-	-	-	-	-	1	5	54	145	144	-	
Male .....	208	-	-	-	-	-	-	1	4	31	94	78	-	
Female .....	141	-	-	-	-	-	-	-	1	23	51	66	-	

See footnotes at end of table.

**TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011 — Continued**

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death											
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	NS
Alzheimer's disease (G30) .....	1,325	-	-	-	-	-	-	2	12	61	363	886	1
Male ....	393	-	-	-	-	-	-	-	3	20	143	227	-
Female ....	932	-	-	-	-	-	-	2	9	41	220	659	1
Multiple sclerosis (G35) .....	58	-	-	-	-	-	-	4	21	15	11	6	-
Male ....	24	-	-	-	-	-	-	1	11	7	4	1	-
Female ....	34	-	-	-	-	-	-	3	10	8	7	5	-
Epilepsy (G40-G41) .....	24	-	-	-	3	3	5	5	3	2	3	-	-
Male ....	15	-	-	-	2	2	3	2	2	2	2	-	-
Female ....	9	-	-	-	1	1	2	3	1	-	1	-	-
Diseases of the Eye & Adnexa (H00-H59) ..	2	-	-	-	-	-	-	1	-	-	-	1	-
Male ....	1	-	-	-	-	-	-	1	-	-	-	-	-
Female ....	1	-	-	-	-	-	-	-	-	-	-	1	-
Ear & Mastoid Process Dis. (H60-H95) .....	1	-	-	-	-	-	-	-	1	-	-	-	-
Male ....	1	-	-	-	-	-	-	-	1	-	-	-	-
Female ....	-	-	-	-	-	-	-	-	-	-	-	-	-
Circulatory System Diseases (I00-I99) .....	9,005	1	3	1	10	43	91	357	834	1,254	2,302	4,109	-
Male ....	4,557	-	1	-	9	31	69	251	570	814	1,252	1,560	-
Female ....	4,448	1	2	1	1	12	22	106	264	440	1,050	2,549	-
Major cardiovascular disease (I00-I78) .....	8,943	-	3	1	10	41	88	352	817	1,249	2,287	4,095	-
Male ....	4,524	-	1	-	9	30	67	248	559	811	1,243	1,556	-
Female ....	4,419	-	2	1	1	11	21	104	258	438	1,044	2,539	-
Heart disease (I00-I09, I11, I13, I20-I51) ....	6,215	-	2	1	9	31	71	266	583	872	1,541	2,839	-
Male ....	3,360	-	1	-	8	22	54	197	421	603	891	1,163	-
Female ....	2,855	-	1	1	1	9	17	69	162	269	650	1,676	-
Rheumatic heart disease (I00-I09) <sup>12</sup> .....	72	-	-	-	-	-	-	3	6	6	26	31	-
Male ....	25	-	-	-	-	-	-	2	3	2	11	7	-
Female ....	47	-	-	-	-	-	-	1	3	4	15	24	-
Hypertensive heart disease (I11) .....	228	-	-	-	-	1	1	11	9	11	48	147	-
Male ....	80	-	-	-	-	1	-	7	8	9	23	32	-
Female ....	148	-	-	-	-	-	1	4	1	2	25	115	-
Hypertensive heart & renal dis. (I13) .....	57	-	-	-	-	-	-	1	2	4	12	38	-
Male ....	25	-	-	-	-	-	-	-	-	2	6	17	-
Female ....	32	-	-	-	-	-	-	1	2	2	6	21	-
Ischemic heart disease (I20-I25) .....	3,446	-	1	-	1	10	48	175	416	609	882	1,304	-
Male ....	2,146	-	1	-	1	6	41	147	318	433	554	645	-
Female ....	1,300	-	-	-	-	4	7	28	98	176	328	659	-

See footnotes at end of table.

TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death											NS
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
Myocardial infarction (I21-I22) .....	1,078	-	-	-	-	3	15	46	135	226	282	371	-
Male ....	626	-	-	-	-	2	13	32	105	150	163	161	-
Female ....	452	-	-	-	-	1	2	14	30	76	119	210	-
Other acute ischemic hrt. dis. (I24) .....	30	-	-	-	-	-	1	3	6	5	6	9	-
Male ....	15	-	-	-	-	-	-	3	4	1	4	3	-
Female ....	15	-	-	-	-	-	1	-	2	4	2	6	-
Chronic isch. heart dis. (I20, I25) .....	2,338	-	1	-	1	7	32	126	275	378	594	924	-
Male ....	1,505	-	1	-	1	4	28	112	209	282	387	481	-
Female ....	833	-	-	-	-	3	4	14	66	96	207	443	-
Atheroscler. cardiovascular dis. <sup>13</sup> .....	193	-	-	-	-	-	3	18	26	24	51	71	-
Male ....	111	-	-	-	-	-	2	17	20	17	29	26	-
Female ....	82	-	-	-	-	-	1	1	6	7	22	45	-
Other chr. ischemic heart dis. <sup>14</sup> .....	2,145	-	1	-	1	7	29	108	249	354	543	853	-
Male ....	1,394	-	1	-	1	4	26	95	189	265	358	455	-
Female ....	751	-	-	-	-	3	3	13	60	89	185	398	-
Nonrheumatic mitral valve dis. (I34) .....	46	-	-	-	-	2	1	1	4	4	8	26	-
Male ....	15	-	-	-	-	-	1	-	2	3	4	5	-
Female ....	31	-	-	-	-	2	-	1	2	1	4	21	-
Nonrheumatic aortic valve dis. (I35) .....	424	-	-	-	-	-	2	2	14	24	93	289	-
Male ....	183	-	-	-	-	-	2	2	8	13	51	107	-
Female ....	241	-	-	-	-	-	-	-	6	11	42	182	-
Cardiomyopathy (I42) .....	225	-	-	1	3	10	9	19	29	40	58	56	-
Male ....	129	-	-	-	3	9	5	8	21	27	29	27	-
Female ....	96	-	-	1	-	1	4	11	8	13	29	29	-
Heart failure (I50) .....	746	-	-	-	-	3	-	9	32	61	187	454	-
Male ....	340	-	-	-	-	2	-	6	22	41	96	173	-
Female ....	406	-	-	-	-	1	-	3	10	20	91	281	-
Congestive heart failure (I50.0) .....	660	-	-	-	-	1	-	8	21	52	163	415	-
Male ....	294	-	-	-	-	1	-	5	13	34	83	158	-
Female ....	366	-	-	-	-	-	-	3	8	18	80	257	-
Left ventricular heart failure (I50.1) .....	4	-	-	-	-	-	-	-	-	2	1	1	-
Male ....	1	-	-	-	-	-	-	-	-	1	-	-	-
Female ....	3	-	-	-	-	-	-	-	-	1	1	1	-
Heart failure, unspecified (I50.9) .....	82	-	-	-	-	2	-	1	11	7	23	38	-
Male ....	45	-	-	-	-	1	-	1	9	6	13	15	-
Female ....	37	-	-	-	-	1	-	-	2	1	10	23	-

See footnotes at end of table.

TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death											NS
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
HBP (I10, I12, I15) <sup>15</sup>	449	-	-	-	-	-	1	15	55	65	106	207	-
Male ....	193	-	-	-	-	-	1	12	35	37	60	48	-
Female ....	256	-	-	-	-	-	-	3	20	28	46	159	-
Cerebrovascular disease (I60-I69) <sup>10</sup>	1,906	-	1	-	-	8	14	61	142	246	529	905	-
Male ....	775	-	-	-	-	7	11	32	77	129	234	285	-
Female ....	1,131	-	1	-	-	1	3	29	65	117	295	620	-
Subarachnoid hemorrhage (I60)	77	-	-	-	-	3	6	11	20	11	13	13	-
Male ....	28	-	-	-	-	2	4	3	8	3	4	4	-
Female ....	49	-	-	-	-	1	2	8	12	8	9	9	-
Intracerebral hemorrhage (I61-I62) <sup>16</sup>	336	-	-	-	-	4	3	24	44	59	103	99	-
Male ....	157	-	-	-	-	4	3	12	23	34	44	37	-
Female ....	179	-	-	-	-	-	-	12	21	25	59	62	-
Cerebral infarction (I63)	87	-	-	-	-	-	2	4	6	14	26	35	-
Male ....	33	-	-	-	-	-	1	2	5	6	9	10	-
Female ....	54	-	-	-	-	-	1	2	1	8	17	25	-
Stroke (type not specified) (I64)	1,053	-	1	-	-	-	2	18	57	122	271	582	-
Male ....	402	-	-	-	-	-	2	12	34	63	117	174	-
Female ....	651	-	1	-	-	-	-	6	23	59	154	408	-
Atherosclerosis (I70)	88	-	-	-	-	-	-	1	7	10	36	34	-
Male ....	41	-	-	-	-	-	-	1	4	4	19	13	-
Female ....	47	-	-	-	-	-	-	-	3	6	17	21	-
Aortic aneurysm & dissection (I71)	159	-	-	-	1	2	-	5	21	35	43	52	-
Male ....	95	-	-	-	1	1	-	4	16	26	24	23	-
Female ....	64	-	-	-	-	1	-	1	5	9	19	29	-
Diseases of arteries (I72-I78) <sup>17</sup>	126	-	-	-	-	-	2	4	9	21	32	58	-
Male ....	60	-	-	-	-	-	1	2	6	12	15	24	-
Female ....	66	-	-	-	-	-	1	2	3	9	17	34	-
<b>Respiratory System Diseases (J00-J99)</b>	3,014	2	3	3	4	10	17	79	331	605	971	989	-
Male ....	1,472	-	3	1	2	4	8	38	169	290	485	472	-
Female ....	1,542	2	-	2	2	6	9	41	162	315	486	517	-
Influenza & pneumonia (J09-J18)	396	2	1	2	2	4	6	15	27	34	93	210	-
Male ....	195	-	1	-	1	1	3	7	17	12	47	106	-
Female ....	201	2	-	2	1	3	3	8	10	22	46	104	-
Influenza (J09-J11)	15	1	-	-	1	2	1	3	4	1	1	1	-
Male ....	6	-	-	1	1	-	-	2	2	1	-	-	-
Female ....	9	1	-	-	-	2	1	1	2	-	1	1	-

See footnotes at end of table.

TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death											85+	NS
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84			
Pneumonia (J12-J18) .....	381	1	1	2	1	2	5	12	23	33	92	209	-	
Male ....	189	-	1	-	-	1	3	5	15	11	47	106	-	
Female ....	192	1	-	2	1	1	2	7	8	22	45	103	-	
Other acute lower resp. infect'ns (J20-J22) ....	3	-	-	-	-	-	-	-	-	-	1	2	-	
Male ....	1	-	-	-	-	-	-	-	-	-	1	-	-	
Female ....	2	-	-	-	-	-	-	-	-	-	-	2	-	
Acute bronchitis (J20-J21) <sup>18</sup> .....	3	-	-	-	-	-	-	-	-	-	1	2	-	
Male ....	1	-	-	-	-	-	-	-	-	-	1	-	-	
Female ....	2	-	-	-	-	-	-	-	-	-	-	2	-	
Chronic lower respiratory dis. (J40-J47) <sup>19</sup> .....	2,031	-	1	1	-	4	5	46	241	471	708	554	-	
Male ....	951	-	1	1	-	1	2	23	120	216	331	256	-	
Female ....	1,080	-	-	-	-	3	3	23	121	255	377	298	-	
Bronchitis, chronic & unspec. (J40-J42) .....	7	-	-	-	-	-	-	-	1	1	1	4	-	
Male ....	5	-	-	-	-	-	-	-	-	1	1	3	-	
Female ....	2	-	-	-	-	-	-	-	1	-	-	1	-	
Emphysema (J43) .....	172	-	-	-	-	-	-	5	22	42	70	33	-	
Male ....	80	-	-	-	-	-	-	1	10	18	32	19	-	
Female ....	92	-	-	-	-	-	-	4	12	24	38	14	-	
Asthma (J45-J46) .....	46	-	1	1	-	4	3	6	9	3	5	14	-	
Male ....	11	-	1	1	-	1	-	1	1	1	2	3	-	
Female ....	35	-	-	-	-	3	3	5	8	2	3	11	-	
Other CLRD (J44, J47) .....	1,806	-	-	-	-	-	2	35	209	425	632	503	-	
Male ....	855	-	-	-	-	-	2	21	109	196	296	231	-	
Female ....	951	-	-	-	-	-	-	14	100	229	336	272	-	
Bronchiectasis (J47) .....	16	-	-	-	-	-	1	-	-	2	6	7	-	
Male ....	5	-	-	-	-	-	1	-	-	1	2	1	-	
Female ....	11	-	-	-	-	-	-	-	-	1	4	6	-	
Pneumoconioses (J60-J66, J68) <sup>20</sup> .....	16	-	-	-	-	-	-	-	1	2	9	4	-	
Male ....	15	-	-	-	-	-	-	-	1	2	8	4	-	
Female ....	1	-	-	-	-	-	-	-	-	-	1	-	-	
Pneumonitis due to solids & liquids (J69) .....	162	-	-	-	2	-	-	5	17	18	31	89	-	
Male ....	80	-	-	-	1	-	-	3	5	13	19	39	-	
Female ....	82	-	-	-	1	-	-	2	12	5	12	50	-	
Digestive System Diseases (K00-K92) .....	1,436	-	-	3	5	12	65	187	301	243	287	333	-	
Male ....	745	-	-	1	4	5	39	110	193	125	132	136	-	
Female ....	691	-	-	2	1	7	26	77	108	118	155	197	-	

See footnotes at end of table.



TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death											
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	NS
Peptic ulcer (K25-K28) .....	55	-	-	-	-	-	2	1	7	11	15	19	-
Male ....	25	-	-	-	-	-	1	-	2	7	10	5	-
Female ....	30	-	-	-	-	-	1	1	5	4	5	14	-
Diseases of the appendix (K35-K38) .....	5	-	-	-	1	-	-	-	-	1	-	3	-
Male ....	3	-	-	1	-	-	-	-	-	1	-	1	-
Female ....	2	-	-	-	-	-	-	-	-	-	-	2	-
Appendicitis (K35-K37) .....	5	-	-	-	1	-	-	-	-	1	-	3	-
Male ....	3	-	-	1	-	-	-	-	-	1	-	1	-
Female ....	2	-	-	-	-	-	-	-	-	-	-	2	-
Hernia (K40-K46) .....	25	-	-	-	-	-	1	-	3	6	5	10	-
Male ....	14	-	-	-	-	-	1	-	1	3	2	7	-
Female ....	11	-	-	-	-	-	-	-	2	3	3	3	-
Vascular disorders of the intestine (K55) .....	126	-	-	-	1	-	-	5	9	28	44	39	-
Male ....	47	-	-	-	1	-	-	1	5	10	14	16	-
Female ....	79	-	-	-	-	-	-	4	4	18	30	23	-
Chronic liver disease (K70, K73-K74) <sup>21</sup> .....	546	-	-	-	3	8	48	140	189	93	52	13	-
Male ....	347	-	-	-	2	3	30	84	135	56	29	8	-
Female ....	199	-	-	-	1	5	18	56	54	37	23	5	-
Alcoholic liver disease (K70) <sup>22</sup> .....	398	-	-	-	3	8	46	122	145	49	25	-	-
Male ....	265	-	-	-	2	3	28	73	107	35	17	-	-
Female ....	133	-	-	-	1	5	18	49	38	14	8	-	-
Cholelithiasis (K80-K82) <sup>23</sup> .....	54	-	-	-	-	-	1	-	8	4	20	21	-
Male ....	28	-	-	-	-	-	-	-	6	2	11	9	-
Female ....	26	-	-	-	-	-	1	-	2	2	9	12	-
Diseases of the Skin (L00-L98) <sup>24</sup> .....	68	-	-	-	-	-	2	7	8	11	14	26	-
Male ....	33	-	-	-	-	-	2	4	5	3	8	11	-
Female ....	35	-	-	-	-	-	-	3	3	8	6	15	-
Musculoskeletal Disease (M00-M99) <sup>25</sup> .....	223	-	-	-	4	-	6	16	28	29	53	87	-
Male ....	76	-	-	-	3	-	2	6	15	8	20	22	-
Female ....	147	-	-	-	1	-	4	10	13	21	33	65	-
Genitourinary System Dis. (N00-N99) .....	542	-	-	-	-	1	7	15	45	80	139	255	-
Male ....	242	-	-	-	-	1	4	6	18	43	67	103	-
Female ....	300	-	-	-	-	-	3	9	27	37	72	152	-
Nephritis (N00-N07, N17-N19, N25-N27) <sup>26</sup> .....	330	-	-	-	-	1	7	9	32	50	75	156	-
Male ....	166	-	-	-	-	1	4	4	13	28	44	72	-
Female ....	164	-	-	-	-	-	3	5	19	22	31	84	-

See footnotes at end of table.

TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death											85+	NS			
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84						
Acute nephrotic syndr. (N00-N01, N04) <sup>27</sup> ..	5	-	-	-	-	-	-	1	-	-	-	1	-	-	1	3	-
Male ....	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-
Female ....	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-
Chr. nephritis (N02-N03, N05-N07, N26) <sup>28</sup>	37	-	-	-	-	-	-	1	5	2	8	21	-	-	-	-	-
Male ....	19	-	-	-	-	-	-	1	2	1	4	11	-	-	-	-	-
Female ....	18	-	-	-	-	-	-	-	3	1	4	10	-	-	-	-	-
Renal failure (N17-N19) .....	287	-	-	-	-	1	7	6	27	48	66	132	-	-	-	-	-
Male ....	145	-	-	-	-	1	4	2	11	27	40	60	-	-	-	-	-
Female ....	142	-	-	-	-	-	3	4	16	21	26	72	-	-	-	-	-
Other disorders of kidney (N25, N27) .....	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Male ....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Female ....	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Kidney infect'ns (N10-N12, N13.6, N15.1) .....	8	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5	-
Male ....	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-
Female ....	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	-
Urinary tract infection (N39.0) .....	142	-	-	-	-	-	-	3	9	19	39	72	-	-	-	-	-
Male ....	36	-	-	-	-	-	-	1	2	6	11	16	-	-	-	-	-
Female ....	106	-	-	-	-	-	-	2	7	13	28	56	-	-	-	-	-
Hyperplasia of prostate (N40) .....	16	-	-	-	-	-	-	-	-	3	3	10	-	-	-	-	-
Male ....	16	-	-	-	-	-	-	-	-	3	3	10	-	-	-	-	-
Female ....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Female pelvic inflam. dis. (N70-N76) <sup>29</sup> .....	4	-	-	-	-	-	-	1	-	-	-	-	-	-	2	1	-
Male ....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Female ....	4	-	-	-	-	-	-	1	-	-	-	-	-	-	2	1	-
<b>Pregnancy &amp; Childbirth (O00-O99)<sup>30</sup> .....</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Male ....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Female ....	10	-	-	-	-	6	4	-	-	-	-	-	-	-	-	-	-
<b>Perinatal Conditions (P00-P96) .....</b>	<b>110</b>	<b>109</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Male ....	64	63	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Female ....	46	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Congenital Malformations (Q00-Q99)<sup>31</sup> .....</b>	<b>128</b>	<b>45</b>	<b>7</b>	<b>5</b>	<b>8</b>	<b>14</b>	<b>10</b>	<b>7</b>	<b>6</b>	<b>10</b>	<b>7</b>	<b>6</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Male ....	54	20	2	4	7	2	2	3	3	2	7	3	-	-	-	-	-
Female ....	74	25	3	2	5	12	8	4	3	8	4	3	-	-	-	-	-
Malformation of the heart (Q20-Q24) .....	40	16	3	3	4	3	2	1	1	2	1	3	-	-	-	-	-
Male ....	16	5	1	3	2	3	2	1	1	1	1	3	-	-	-	-	-
Female ....	24	11	2	-	2	-	2	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death											NS					
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+						
Other malf. of the circul. sys. (Q25-Q28) .....	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-
Male .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Female .....	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-
Malf. of the respiratory system (Q30-Q34) .....	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Male .....	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Symptoms &amp; Signs (R00-R99)<sup>32</sup></b> .....	671	31	4	1	5	7	12	28	63	70	104	104	346	-	-	-	-	-
Male .....	265	16	3	-	4	4	7	15	42	46	40	40	88	-	-	-	-	-
Female .....	406	15	1	1	1	3	5	13	21	24	64	64	258	-	-	-	-	-
Senility (R54) .....	60	-	-	-	-	-	-	-	-	-	-	-	4	-	-	4	56	-
Male .....	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-
Female .....	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	36	-
Sudden infant death syndrome (R95) .....	28	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Male .....	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Female .....	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>External Causes of Death (V01-Y89)</b> .....	2,579	13	23	29	214	298	326	406	351	208	265	265	444	2	-	-	-	-
Male .....	1,684	5	14	18	176	228	235	268	256	152	147	147	184	1	-	-	-	-
Female .....	895	8	9	11	38	70	91	138	95	56	118	118	260	1	-	-	-	-
Accidents (V01-X59, Y85-Y86) .....	1,705	10	16	12	128	161	164	239	222	126	213	213	413	1	-	-	-	-
Male .....	1,019	4	9	7	102	117	111	160	154	89	104	104	162	-	-	-	-	-
Female .....	686	6	7	5	26	44	53	79	68	37	109	109	251	-	-	-	-	-
Transport accidents (V01-V99, Y85) .....	404	1	5	8	71	49	39	76	64	41	39	39	11	-	-	-	-	-
Male .....	299	-	3	5	52	34	30	58	51	34	25	25	7	-	-	-	-	-
Female .....	105	1	2	3	19	15	9	18	13	7	14	14	4	-	-	-	-	-
Motor vehicle acc. (Many codes) <sup>33</sup> .....	361	1	5	8	69	46	32	61	55	37	36	36	11	-	-	-	-	-
Male .....	267	-	3	5	50	31	23	48	46	30	24	24	7	-	-	-	-	-
Female .....	94	1	2	3	19	15	9	13	9	7	12	12	4	-	-	-	-	-
Motor veh. traf. acc. (Many codes) <sup>34</sup> .....	339	1	2	8	66	43	29	59	52	34	35	35	10	-	-	-	-	-
Male .....	247	-	1	5	47	28	21	46	43	27	23	23	6	-	-	-	-	-
Female .....	92	1	1	3	19	15	8	13	9	7	12	12	4	-	-	-	-	-
Water transport accidents (V90-V94) .....	9	-	-	-	1	1	2	3	-	2	-	-	-	-	-	-	-	-
Male .....	9	-	-	-	1	1	2	3	-	2	-	-	-	-	-	-	-	-
Female .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Air transport accidents (V95-V97) .....	5	-	-	-	-	-	-	2	2	-	1	1	-	-	-	1	-	-
Male .....	4	-	-	-	-	-	-	1	2	-	1	1	-	-	-	1	-	-
Female .....	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death											
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	NS
		Nontransport accidents (W00-X59, Y86) .....	1,301	9	11	4	57	112	125	163	158	85	174
Male .....	720	4	6	2	50	83	81	102	103	55	79	155	-
Female .....	581	5	5	2	7	29	44	61	55	30	95	247	1
Falls (W00-W19) .....	590	-	-	-	6	4	8	12	38	40	139	343	-
Male .....	265	-	-	-	6	2	6	8	22	29	62	130	-
Female .....	325	-	-	-	-	2	2	4	16	11	77	213	-
Firearms (W32-W34) .....	8	-	-	-	1	-	4	2	1	-	-	-	-
Male .....	7	-	-	-	1	-	3	2	1	-	-	-	-
Female .....	1	-	-	-	-	-	1	-	-	-	-	-	-
Drowning & submersion (W65-W74) .....	56	-	4	1	11	8	7	6	11	4	2	2	-
Male .....	45	-	3	-	11	6	4	5	9	3	2	2	-
Female .....	11	-	1	-	-	2	3	1	2	1	-	-	-
Exposure to smoke & fire (X00-X09) .....	42	1	4	1	-	4	5	7	6	7	3	4	-
Male .....	21	-	3	1	-	2	3	3	4	3	1	1	-
Female .....	21	1	1	-	-	2	2	4	2	4	2	3	-
Poisoning (X40-X49) <sup>35</sup> .....	428	-	-	-	34	87	97	116	78	11	3	2	-
Male .....	283	-	-	-	28	66	62	68	51	6	1	1	-
Female .....	145	-	-	-	6	21	35	48	27	5	2	1	-
Suicide (X60-X84, Y87.0) .....	639	-	-	8	64	103	126	124	95	62	39	18	-
Male .....	508	-	-	5	55	85	98	83	78	52	35	17	-
Female .....	131	-	-	3	9	18	28	41	17	10	4	1	-
Poisoning (X60-X69) .....	109	-	-	-	5	13	20	31	26	9	3	2	-
Male .....	55	-	-	-	5	6	9	12	16	5	1	1	-
Female .....	54	-	-	-	-	7	11	19	10	4	2	1	-
Hanging/suffocation (X70) .....	142	-	-	6	22	34	34	30	9	6	1	-	-
Male .....	116	-	-	3	16	32	27	24	8	5	1	-	-
Female .....	26	-	-	3	6	2	7	6	1	1	-	-	-
Firearm discharge (X72-X74) .....	337	-	-	2	36	46	56	53	52	43	34	15	-
Male .....	301	-	-	2	33	39	52	42	47	39	32	15	-
Female .....	36	-	-	-	3	7	4	11	5	4	2	-	-
Homicide (X85-Y09, Y87.1) .....	107	1	6	8	20	23	13	17	12	4	-	3	-
Male .....	80	1	4	6	18	19	11	9	11	1	-	-	-
Female .....	27	-	2	2	2	4	2	8	1	3	-	3	-
Firearm discharge (X93-X95) .....	61	-	-	3	15	16	7	11	4	3	-	2	-
Male .....	45	-	-	2	14	13	6	6	4	-	-	-	-
Female .....	16	-	-	1	1	3	1	5	-	3	-	2	-

See footnotes at end of table.

TABLE 6-6. Number of Deaths from Selected Causes by Age and Sex, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Total	Age at Death										NS			
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84		85+		
Legal intervention (Y35, Y89.0) <sup>36</sup>	6	-	-	-	1	-	1	1	2	1	-	-	-	-	-
Male ....	5	-	-	-	1	-	1	2	-	-	-	-	-	-	-
Female ....	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Undeterm. intent (Y10-Y34, Y87.2, Y89.9) .....	90	2	1	-	1	11	21	23	17	7	3	3	1	3	1
Male ....	54	-	1	-	-	7	14	13	9	4	3	3	2	2	1
Female ....	36	2	-	-	1	4	7	10	8	3	-	-	1	1	-
War and its sequelae (Y36, Y89.1) <sup>37</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Male ....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Female ....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medical care complications (Y40-Y84, Y88) .....	32	-	-	1	-	-	1	2	3	8	10	7	-	7	-
Male ....	18	-	-	-	-	-	1	2	2	5	5	3	-	3	-
Female ....	14	-	-	1	-	-	-	-	1	3	5	4	-	4	-
Injury by firearms (Many codes) <sup>38</sup>	417	-	-	5	53	63	68	67	60	49	35	17	-	17	-
Male ....	362	-	-	4	49	52	61	51	55	42	33	15	-	15	-
Female ....	55	-	-	1	4	11	7	16	5	7	2	2	-	2	-
Alcohol-induced deaths (Many codes) <sup>39,40</sup>	644	-	-	-	5	14	70	186	225	88	44	12	-	12	-
Male ....	453	-	-	-	4	8	46	121	171	67	29	7	-	7	-
Female ....	191	-	-	-	1	6	24	65	54	21	15	5	-	5	-
Drug-induced deaths (Many codes) <sup>41,42</sup>	592	-	-	-	44	103	122	153	123	31	9	7	-	7	-
Male ....	369	-	-	-	38	76	75	79	78	15	4	4	-	4	-
Female ....	223	-	-	-	6	27	47	74	45	16	5	3	-	3	-
Injury at work <sup>43</sup>	59	-	-	-	2	6	11	11	18	6	4	1	-	1	-
Male ....	57	-	-	-	2	6	11	10	18	6	3	1	-	1	-
Female ....	2	-	-	-	-	-	-	1	-	-	1	-	-	-	-

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

<sup>2</sup> Human immunodeficiency virus/Acquired immune deficiency syndrome.

<sup>3</sup> Includes uterus, part unspecified.

<sup>4</sup> Includes meninges and other parts of the central nervous system.

<sup>5</sup> Includes immunoproliferative neoplasms.

<sup>6</sup> Includes in situ neoplasms, benign neoplasms, and neoplasms of uncertain or unknown behavior.

<sup>7</sup> Includes diseases of the blood forming-organs and disorders involving the immune mechanism.

<sup>8</sup> Includes metabolic diseases.

<sup>9</sup> Includes behavioral disorders.

<sup>10</sup> In 2005, the National Center for Health Statistics changed the ICD-10 codes to which certain brain disorders were coded. In prior years, "multi-infarct dementia" was coded to I63.9 (cerebral infarction, unspecified) and "vascular dementia" as I67.9 (cerebrovascular disease, unspecified). Beginning in 2005, "multi-infarct dementia" is assigned to code F01.1 and "vascular dementia" to F01.9. Therefore, certain deaths formerly attributed to the cerebrovascular disease rubric are now counted as forms of organic dementia, with a net loss of 111 for the former and a similar gain for the latter.

<sup>11</sup> For all deaths due to alcohol, see "Alcohol-induced deaths" at the end of the table.

- 12 Includes acute rheumatic fever.
- 13 The ICD-10 code is I25.0.
- 14 Includes angina, arteriosclerotic heart disease, coronary heart disease, and related disorders. The ICD-10 codes are I20, I25.1-125.9.
- 15 Hypertension with/without Renal Disease.
- 16 Includes other intracranial hemorrhages.
- 17 Includes diseases of the arterioles and capillaries.
- 18 Includes acute bronchiolitis.
- 19 Formerly chronic obstructive pulmonary disease (COPD).
- 20 Includes respiratory conditions due to inhalation of chemicals, gases, fumes, and vapors.
- 21 Includes liver cirrhosis.
- 22 For all deaths due to alcohol, see "Alcohol-induced deaths" at the end of the table.
- 23 Includes other diseases of the gallbladder.
- 24 Includes subcutaneous tissues.
- 25 Includes connective tissue.
- 26 Includes nephrotic syndrome and nephrosis.
- 27 Includes acute and rapidly progressive nephritic and nephrotic syndrome.
- 28 Includes chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified.
- 29 Inflammatory diseases of female pelvic organs.
- 30 Includes the puerperium.
- 31 Includes congenital deformations and chromosomal abnormalities.
- 32 Includes abnormal clinical and laboratory findings not elsewhere classified.
- 33 Includes 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.
- 34 Includes the following ICD-10 codes: V02-V04(.1-.9), V09.2, V12-V14(.3-.9), V19(.4-.6), V20-V28(.3-.9), V29(.4-.9), V30-V39(.4-.9), V40-V49(.4-.9), V50-V59(.4-.9), V60-V69(.4-.9), V70-V79(.4-.9), V80(.3-.5), V81.1, V82.1, V83-V86(.0-.3), V87(.0-.8), V89.2.
- 35 Includes exposure to noxious substances.
- 36 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.
- 37 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.)
- 38 Includes accidental, suicidal, homicidal, and undetermined intent gunshot deaths (ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0). Note this category includes injuries included in other cause of death categories.
- 39 Includes: alcoholic mental/behavioral disorders, degeneration of nervous system, polynuropathy, 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 disorders included here are also included in other cause of death categories.
- 40 The ICD-10 codes for the above categories are E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, and Y15. respectively. (Components of this category were revised beginning in 2004, resulting in the inclusion of additional codes/deaths.)
- 41 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 disorders included here are also included in other cause of death categories.
- 42 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. (Components of this category were revised beginning in 2004 resulting in the inclusion of additional codes/deaths.)
- 43 Recorded as a separate item on the death certificate by the Medical Examiner.
- \* Includes unknown age and sex.
- Quantity is 0.

TABLE 6-7t. Total Death Rates for Selected Causes by Age, Oregon Residents, 2011

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
<b>Total</b> .....	848.5	465.3	29.0	13.2	58.3	87.8	158.5	381.6	817.3	1,750.9	4,709.3	14,489.7
<b>Infections &amp; Parasitic Disease (A00-B99)</b>	16.6	13.3	1.6	0.4	0.6	1.5	2.8	18.9	31.6	32.1	72.1	155.3
Tuberculosis (A16-A19) .....	0.1	—	—	—	—	0.2	—	—	0.2	0.3	—	1.3
Meningococcal infection (A39) .....	0.1	—	—	—	—	—	—	—	—	0.3	—	—
Septicemia (A40-A41) .....	5.3	2.2	0.5	—	0.6	0.4	0.2	3.4	6.4	12.8	34.3	60.3
Creutzfeldt-Jacob disease (A81.0) .....	0.5	—	—	—	—	—	—	0.7	0.6	2.6	0.6	2.6
Viral hepatitis (B15-B19) .....	4.8	—	—	—	—	—	1.0	10.8	18.1	6.2	4.1	2.6
HIV/AIDS (B20-B24) <sup>3</sup> .....	1.0	—	—	—	—	0.4	1.4	2.4	2.3	1.3	—	—
<b>Malignant Neoplasms (C00-C97)</b>	201.4	2.2	2.6	2.3	3.5	6.8	29.3	104.4	290.2	652.3	1,223.1	1,851.5
Lip, oral cavity & pharynx (C00-C14) .....	2.8	—	—	—	—	0.2	0.2	1.3	4.9	10.5	14.2	21.8
Digestive organs (C15-26) .....	49.7	—	—	—	—	0.6	7.9	31.6	85.0	156.1	270.5	428.5
Esophagus (C15) .....	4.9	—	—	—	—	—	0.6	3.9	10.1	13.1	31.3	26.9
Stomach (C16) .....	2.9	—	—	—	—	—	0.6	1.9	4.3	10.8	15.4	24.4
Colon, rectum & anus (C18-C21) .....	18.8	—	—	—	—	0.2	4.3	14.0	22.2	51.5	106.9	224.5
Colon (C18) .....	14.2	—	—	—	—	0.2	2.8	8.4	16.2	38.4	82.7	188.6
Rectosigmoid junction (C19) .....	1.1	—	—	—	—	—	0.8	1.3	1.2	3.0	5.3	9.0
Rectum (C20) .....	3.0	—	—	—	—	—	0.6	3.9	3.3	9.5	15.9	21.8
Liver & intrahepatic bile ducts (C22) .....	7.5	—	—	—	—	0.2	1.0	4.9	22.2	23.0	30.1	30.8
Pancreas (C25) .....	13.0	—	—	—	—	0.2	1.4	6.5	22.0	48.9	70.9	100.1
Respiratory, intrathoracic org'ns (C30-C39)	54.2	—	—	—	—	0.2	2.0	22.4	78.0	216.8	372.1	345.1
Larynx (C32) .....	0.9	—	—	—	—	—	—	0.4	1.8	3.6	4.1	5.1
Trachea, bronchus & lung (C33-C34) .....	53.0	—	—	—	—	0.2	2.0	21.9	75.9	211.9	366.2	337.4
Bronchus & lung (C34) .....	53.0	—	—	—	—	0.2	2.0	21.9	75.9	211.9	366.2	336.2
Skin (C43-C44) .....	5.1	—	—	—	0.2	0.8	1.4	4.1	8.6	15.4	21.3	46.2
Melanoma of skin (C43) .....	4.0	—	—	—	0.2	0.8	1.4	3.4	7.2	12.1	14.8	30.8
Mesothelioma (C45) .....	1.1	—	—	—	—	—	—	—	0.4	3.9	8.9	15.4
Breast (C50) .....	13.0	—	—	—	—	0.9	3.8	12.2	22.4	38.4	59.1	101.4
Female genital organs (C51-58) .....	10.8	—	—	—	—	0.6	3.6	8.2	15.8	34.4	61.4	80.8
Cervix uteri (C53) .....	1.4	—	—	—	—	0.6	1.4	1.7	2.1	1.6	5.9	10.3
Corpus uteri (C54-C55) <sup>4</sup> .....	2.9	—	—	—	—	—	0.4	2.2	4.1	10.5	16.5	20.5
Ovary (C56) .....	5.8	—	—	—	—	—	1.6	3.9	8.6	19.3	34.8	43.6
Male genital organs (C60-C63) .....	11.4	—	—	—	—	—	—	1.3	7.2	26.2	92.1	205.3
Prostate (C61) .....	11.3	—	—	—	—	—	—	0.7	7.0	25.9	91.5	205.3
Kidney & renal pelvis (C64-C65) .....	5.0	—	—	—	—	—	0.2	2.1	9.2	16.7	21.9	56.5

See footnotes at end of table.

TABLE 6-7t. Total Death Rates for Selected Causes by Age, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Bladder (C67) .....	6.0	—	—	—	—	—	—	0.6	4.9	17.7	43.7	97.5
Brain, etc. (C70-C72) <sup>5</sup> .....	5.7	—	0.5	—	0.6	1.1	3.2	5.8	11.9	19.7	15.9	18.0
Thyroid/endocrine gland (C73-C75) .....	0.9	—	1.0	0.2	—	—	—	0.6	1.4	1.3	10.0	2.6
Lymphoid & hematopoietic (C81-C96) .....	19.4	2.2	1.0	1.0	1.4	1.7	3.6	6.9	18.9	55.4	132.9	231.0
Hodgkin's disease (C81) .....	0.6	—	—	—	—	0.4	0.6	0.6	0.2	1.6	1.8	6.4
Non-Hodgkin's lymphoma (C82-C85) .....	6.7	—	—	0.2	—	0.4	0.8	2.2	6.0	17.1	49.0	92.4
Leukemia (C91-C95) .....	7.9	2.2	1.0	0.8	1.4	0.9	1.8	2.4	7.6	21.0	52.0	94.9
Lymphoid leukemia (C91) .....	2.3	—	0.5	0.4	0.6	—	0.8	0.6	1.4	4.9	17.7	32.1
Myeloid leukemia (C92) .....	4.4	2.2	—	0.2	0.8	0.8	1.0	1.7	5.1	13.4	26.0	42.3
Multiple myeloma (C88, C90) <sup>6</sup> .....	4.2	—	—	—	—	—	0.4	1.7	4.9	15.7	30.1	35.9
<b>Neopla. Not Specif. As Malign. (D00-D48)<sup>7</sup></b>	6.4	—	1.0	—	0.2	0.6	0.6	1.5	5.1	16.7	45.5	96.2
Myelodysplastic syndromes (D46) .....	2.5	—	—	—	—	0.2	—	0.2	1.2	7.9	20.7	39.8
<b>Diseases of the Blood (D50-89)<sup>8</sup></b>	2.9	2.2	0.5	0.6	—	—	0.4	1.1	3.7	3.9	10.0	66.7
Anemias (D50-D64) .....	1.6	—	—	0.2	—	—	—	0.2	1.8	2.3	4.1	46.2
<b>Endocrine &amp; Nutritional Dis. (E00-E88)<sup>9</sup></b>	41.2	—	0.5	0.6	1.2	3.0	9.5	24.7	54.8	106.3	229.1	499.1
Diabetes mellitus (E10-E14) .....	28.9	—	—	—	0.4	1.7	6.3	15.0	38.6	76.1	173.6	342.6
Nutritional deficiencies (E40-E64) .....	0.8	—	—	—	—	—	—	0.4	1.0	1.3	4.1	18.0
Malnutrition (E40-E46) .....	0.7	—	—	—	—	—	—	0.2	0.8	1.3	3.5	15.4
<b>Mental Disorders (F01-F99)<sup>10</sup></b>	61.5	—	0.5	—	1.6	1.3	4.5	13.3	24.4	41.6	297.1	1,934.9
Organic dementia (F01, F03) <sup>11</sup> .....	52.4	—	0.5	—	—	—	—	0.7	3.5	23.9	276.4	1,870.7
Due to alcohol (F10) <sup>12</sup> .....	4.8	—	—	—	0.2	0.4	2.8	9.0	11.9	10.5	9.4	15.4
Due to psychoactive substance (F11-F19) .....	1.9	—	—	—	1.2	0.8	1.2	1.9	5.9	3.6	2.4	3.8
<b>Nervous System Dis. (G00-G99)</b>	57.4	2.2	1.6	0.4	2.2	1.5	5.1	9.9	23.0	74.8	386.2	1,422.9
Meningitis (G00, G03) .....	0.2	—	—	0.2	—	—	0.2	—	—	0.3	1.2	2.6
Amyotrophic lateral sclerosis (G12.2) .....	3.0	—	—	—	—	—	0.8	1.9	4.3	10.8	22.4	12.8
Parkinson's disease (G20-G21) .....	9.0	—	—	—	—	—	—	0.2	1.0	17.7	85.6	184.8
Alzheimer's disease (G30) .....	34.3	—	—	—	—	—	—	0.4	2.3	20.0	214.4	1,136.8
Multiple sclerosis (G35) .....	1.5	—	—	—	—	—	0.2	0.7	4.1	4.9	6.5	7.7
Epilepsy (G40-G41) .....	0.6	—	—	—	0.6	0.6	1.0	0.9	0.6	0.7	1.8	—
<b>Eye &amp; Adnexa Dis. (H00-H59)</b>	0.1	—	—	—	—	—	—	0.2	—	—	—	1.3
<b>Ear &amp; Mastoid Process Dis. (H60-H95)</b>	<0.05	—	—	—	—	—	—	—	0.2	—	—	—
<b>Circulatory System Diseases (I00-I99)</b>	233.4	2.2	1.6	0.2	2.0	8.1	18.0	66.8	162.6	411.2	1,359.5	5,272.1
Major cardiovascular disease (I00-I78) .....	231.8	—	1.6	0.2	2.0	7.8	17.4	65.8	159.3	409.6	1,350.7	5,254.2
Heart disease (I00-I09, I11, I13, I20-I51) Rheumatic heart disease (I00-I09) <sup>13</sup> ..	161.1	—	1.0	0.2	1.8	5.9	14.0	49.8	113.7	286.0	910.1	3,642.6
	1.9	—	—	—	—	—	—	0.6	1.2	2.0	15.4	39.8

See footnotes at end of table.



TABLE 6-7t. Total Death Rates for Selected Causes by Age, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Hypertensive heart disease (I11) .....	5.9	-	-	-	-	0.2	0.2	2.1	1.8	3.6	28.3	188.6
Hypertensive heart & renal dis. (I13) ..	1.5	-	-	-	-	-	-	0.2	0.4	1.3	7.1	48.8
Ischemic heart disease (I20-I25) .....	89.3	-	0.5	-	0.2	1.9	9.5	32.7	81.1	199.7	520.9	1,673.1
Myocardial infarction (I21-I22) .....	27.9	-	-	-	-	0.6	3.0	8.6	26.3	74.1	166.5	476.0
Other acute ischemic hrt. dis. (I24) ..	0.8	-	-	-	-	-	0.2	0.6	1.2	1.6	3.5	11.5
Chronic isch. heart dis. (I20, I25) ...	60.6	-	0.5	-	0.2	1.3	6.3	23.6	53.6	124.0	350.8	1,185.6
Atheroscler. cardiovascular dis. <sup>14</sup> ...	5.0	-	-	-	-	-	0.6	3.4	5.1	7.9	30.1	91.1
Other chr. ischemic heart dis. <sup>15</sup> ...	55.6	-	0.5	-	0.2	1.3	5.7	20.2	48.6	116.1	320.7	1,094.5
Nonrheumatic mitral valve dis. (I34) ...	1.2	-	-	-	-	0.4	0.2	0.2	0.8	1.3	4.7	33.4
Nonrheumatic aortic valve dis. (I35) ...	11.0	-	-	-	-	-	0.4	0.4	2.7	7.9	54.9	370.8
Cardiomyopathy (I42) .....	5.8	-	-	0.2	0.6	1.9	1.8	3.6	5.7	13.1	34.3	71.9
Heart failure (I50) .....	19.3	-	-	-	-	0.6	-	1.7	6.2	20.0	110.4	582.5
Congestive heart failure (I50.0) .....	17.1	-	-	-	-	0.2	-	1.5	4.1	17.1	96.3	532.5
Left ventricular heart failure (I50.1)	0.1	-	-	-	-	-	-	-	-	0.7	0.6	1.3
Heart failure, unspecified (I50.9) .....	2.1	-	-	-	-	0.4	-	0.2	2.1	2.3	13.6	48.8
HBP (I10, I12, I15) <sup>16</sup> .....	11.6	-	-	-	-	-	0.2	2.8	10.7	21.3	62.6	265.6
Cerebrovascular disease (I60-I69) <sup>11</sup> .....	49.4	-	0.5	-	-	1.5	2.8	11.4	27.7	80.7	312.4	1,161.2
Subarachnoid hemorrhage (I60) .....	2.0	-	-	-	-	0.6	1.2	2.1	3.9	3.6	7.7	16.7
Intracerebral hemorrhage (I61-I62) <sup>17</sup>	8.7	-	-	-	-	0.8	0.6	4.5	8.6	19.3	60.8	127.0
Cerebral infarction (I63) .....	2.3	-	-	-	-	-	0.4	0.7	1.2	4.6	15.4	44.9
Stroke (type not specified) (I64) .....	27.3	-	0.5	-	-	-	0.4	3.4	11.1	40.0	160.0	746.7
Atherosclerosis (I70) .....	2.3	-	-	-	-	-	-	0.2	1.4	3.3	21.3	43.6
Aortic aneurysm & dissection (I71) .....	4.1	-	-	-	0.2	0.4	-	0.9	4.1	11.5	25.4	66.7
Diseases of arteries (I72-I78) <sup>18</sup> .....	3.3	-	-	-	-	-	0.4	0.7	1.8	6.9	18.9	74.4
<b>Respiratory System Diseases (J00-J99)</b>												
Influenza & pneumonia (J09-J18) .....	78.1	4.4	1.6	0.6	0.8	1.9	3.4	14.8	64.5	198.4	573.5	1,269.0
Influenza (J09-J11) .....	10.3	4.4	0.5	0.4	0.4	0.8	1.2	2.8	5.3	11.2	54.9	269.4
Pneumonia (J12-J18) .....	0.4	2.2	-	0.2	0.2	0.4	0.2	0.6	0.8	0.3	0.6	1.3
Other acute lower resp. infect'ns (J20-J22)	9.9	2.2	0.5	0.4	0.2	0.4	1.0	2.2	4.5	10.8	54.3	268.2
Acute bronchitis (J20-J21) <sup>19</sup> .....	0.1	-	-	-	-	-	-	-	-	-	0.6	2.6
Chronic lower respiratory dis. (J40-J47) <sup>20</sup> ..	0.1	-	-	-	-	-	-	-	-	-	0.6	2.6
Bronchitis, chronic & unspec. (J40-J42)	52.6	-	0.5	0.2	-	0.8	1.0	8.6	47.0	154.5	418.1	710.8
Empysema (J43) .....	0.2	-	-	-	-	-	-	-	0.2	0.3	0.6	5.1
Asthma (J45-J46) .....	4.5	-	-	-	-	-	-	0.9	4.3	13.8	41.3	42.3
Other CLRD (J44, J47) .....	1.2	-	0.5	0.2	-	0.8	0.6	1.1	1.8	1.0	3.0	18.0
	46.8	-	-	-	-	-	0.4	6.5	40.8	139.4	373.2	645.4

See footnotes at end of table.

TABLE 6-7t. Total Death Rates for Selected Causes by Age, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Bronchiectasis (J47) .....	0.4	—	—	—	—	—	0.2	—	—	0.7	3.5	9.0
Pneumoconioses (J60-J66, J68) <sup>21</sup> .....	0.4	—	—	—	—	—	—	—	—	0.7	5.3	5.1
Pneumonitis due to solids & liquids (J69) ...	4.2	—	—	—	0.4	—	—	0.9	—	5.9	18.3	114.2
<b>Digestive System Diseases (K00-K92) ....</b>	<b>37.2</b>	<b>—</b>	<b>—</b>	<b>0.6</b>	<b>1.0</b>	<b>2.3</b>	<b>12.8</b>	<b>35.0</b>	<b>58.7</b>	<b>79.7</b>	<b>169.5</b>	<b>427.3</b>
Peptic ulcer (K25-K28) .....	1.4	—	—	—	—	—	0.4	0.2	1.4	3.6	8.9	24.4
Diseases of the appendix (K35-K38) .....	0.1	—	—	—	0.2	—	—	—	—	0.3	—	3.8
Appendicitis (K35-K37) .....	0.1	—	—	—	0.2	—	—	—	—	0.3	—	3.8
Hernia (K40-K46) .....	0.6	—	—	—	—	—	0.2	—	—	2.0	3.0	12.8
Vascular disorders of the intestine (K55) ....	3.3	—	—	—	0.2	—	—	0.9	1.8	9.2	26.0	50.0
Chronic liver disease (K70, K73-K74) <sup>22</sup> .....	14.2	—	—	—	0.6	1.5	9.5	26.2	36.9	30.5	30.7	16.7
Alcoholic liver disease (K70) <sup>23</sup> .....	10.3	—	—	—	0.6	1.5	9.1	22.8	28.3	16.1	14.8	—
Cholelithiasis (K80-K82) <sup>24</sup> .....	1.4	—	—	—	—	—	0.2	—	1.6	1.3	11.8	26.9
<b>Diseases of the Skin (L00-L98)<sup>25</sup> .....</b>	<b>1.8</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0.4</b>	<b>1.3</b>	<b>1.6</b>	<b>3.6</b>	<b>8.3</b>	<b>33.4</b>
<b>Musculoskeletal Disease (M00-M99)<sup>26</sup> ....</b>	<b>5.8</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0.8</b>	<b>—</b>	<b>1.2</b>	<b>3.0</b>	<b>5.5</b>	<b>9.5</b>	<b>31.3</b>	<b>111.6</b>
<b>Genitourinary System Dis. (N00-N99) .....</b>	<b>14.1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0.2</b>	<b>1.4</b>	<b>2.8</b>	<b>8.8</b>	<b>26.2</b>	<b>82.1</b>	<b>327.2</b>
Nephritis (N00-N07, N17-N19, N25-N27) <sup>27</sup>	8.6	—	—	—	—	0.2	1.4	1.7	6.2	16.4	44.3	200.2
Acute nephrotic syndrome <sup>28</sup> .....	0.1	—	—	—	—	—	—	0.2	—	—	0.6	3.8
Chronic nephritis <sup>29</sup> .....	1.0	—	—	—	—	—	—	0.2	1.0	0.7	4.7	26.9
Renal failure (N17-N19) .....	7.4	—	—	—	—	0.2	1.4	1.1	5.3	15.7	39.0	169.4
Other disorders of kidney (N25, N27) .....	<0.05	—	—	—	—	—	—	0.2	—	—	—	—
Kidney infect'ns (N10-N12, N13.6, N15.1) ..	0.2	—	—	—	—	—	—	—	—	—	1.8	6.4
Urinary tract infection (N59.0) .....	3.7	—	—	—	—	—	—	0.6	1.8	6.2	23.0	92.4
Hyperplasia of prostate (N40) .....	0.4	—	—	—	—	—	—	—	—	1.0	1.8	12.8
Female pelvic inflam. dis. (N70-N76) <sup>30</sup> .....	0.1	—	—	—	—	—	—	0.2	—	—	1.2	1.3
<b>Pregnancy &amp; Childbirth (O00-O99)<sup>31</sup> .....</b>	<b>0.3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1.1</b>	<b>0.8</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Perinatal Conditions (P00-P96) .....</b>	<b>241.5</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0.2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Congenital Malformations (Q00-Q99)<sup>32</sup> ..</b>	<b>3.3</b>	<b>3.6</b>	<b>1.0</b>	<b>1.4</b>	<b>1.7</b>	<b>1.7</b>	<b>1.6</b>	<b>2.6</b>	<b>2.0</b>	<b>3.3</b>	<b>4.1</b>	<b>7.7</b>
Malformation of the heart (Q20-Q24) .....	1.0	1.6	—	0.6	0.8	0.6	0.6	0.6	0.4	0.7	0.6	3.8
Other malf. of the circul. sys. (Q25-Q28) ....	0.1	—	—	—	—	—	—	—	—	—	1.8	1.3
Malf. of the respiratory system (Q30-Q34)	0.1	0.5	—	0.2	—	—	—	—	—	—	—	—
<b>Symptoms &amp; Signs (R00-R99)<sup>33</sup> .....</b>	<b>17.4</b>	<b>2.1</b>	<b>0.2</b>	<b>1.0</b>	<b>1.3</b>	<b>2.4</b>	<b>2.4</b>	<b>5.2</b>	<b>12.3</b>	<b>23.0</b>	<b>61.4</b>	<b>443.9</b>
Senility (R54) .....	1.6	—	—	—	—	—	—	—	—	—	2.4	71.9
Sudden infant death syndrome (R95) .....	0.7	—	—	—	—	—	—	—	—	—	—	—
<b>External Causes of Death (V01-Y89) .....</b>	<b>66.9</b>	<b>11.9</b>	<b>6.1</b>	<b>42.2</b>	<b>56.4</b>	<b>64.4</b>	<b>75.9</b>	<b>68.4</b>	<b>68.4</b>	<b>68.2</b>	<b>156.5</b>	<b>569.7</b>
Accidents (V01-X59, Y85-Y86) .....	44.2	8.3	2.5	25.2	30.5	32.4	44.7	43.3	41.3	125.8	529.9	

See footnotes at end of table.

TABLE 6-7t. Total Death Rates for Selected Causes by Age, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Transport accidents (V01-V99, Y85) .....	10.5	2.2	2.6	1.7	14.0	9.3	7.7	14.2	12.5	13.4	23.0	14.1
Motor vehicle acc. (Many codes) <sup>34</sup> .....	9.4	2.2	2.6	1.7	13.6	8.7	6.3	11.4	10.7	12.1	21.3	14.1
Motor veh. traf. (Many codes) <sup>35</sup> .....	8.8	2.2	1.0	1.7	13.0	8.1	5.7	11.0	10.1	11.2	20.7	12.8
Water transport accidents (V90-V94)	0.2	—	—	0.2	0.2	0.2	0.4	0.6	—	0.7	—	—
Air transport accidents (V95-V97) .....	0.1	—	—	—	—	—	—	0.4	0.4	—	0.6	—
Nontransport accidents (W00-X59, Y86)	33.7	19.9	5.7	0.8	11.2	21.2	24.7	30.5	30.8	27.9	102.8	515.8
Falls (W00-W19) .....	15.3	—	—	—	1.2	0.8	1.6	2.2	7.4	13.1	82.1	440.1
Firearms (W32-W34) .....	0.2	—	—	—	0.2	—	0.8	0.4	0.2	—	—	—
Drowning & submersion (W65-W74) ..	1.5	—	2.1	0.2	2.2	1.5	1.4	1.1	2.1	1.3	1.2	2.6
Exposure to smoke & fire (X00-X09) ..	1.1	2.2	2.1	0.2	—	0.8	1.0	1.3	1.2	2.3	1.8	5.1
Poisoning (X40-X49) <sup>36</sup> .....	11.1	—	—	—	6.7	16.5	19.2	21.7	15.2	3.6	1.8	2.6
Suicide (X60-X84, Y87.0) .....	16.6	—	—	1.7	12.6	19.5	24.9	23.2	18.5	20.3	23.0	23.1
Poisoning (X60-X69) .....	2.8	—	—	—	1.0	2.5	4.0	5.8	5.1	3.0	1.8	2.6
Hanging/suffocation (X70) .....	3.7	—	—	1.3	4.3	6.4	6.7	5.6	1.8	2.0	0.6	—
Firearm discharge (X72-X74) .....	8.7	—	—	0.4	7.1	8.7	11.1	9.9	10.1	14.1	20.1	19.2
Homicide (X85-Y09, Y87.1) .....	2.8	2.2	3.1	1.7	3.9	4.4	2.6	3.2	2.3	1.3	—	3.8
Firearm discharge (X93-X95) .....	1.6	—	—	0.6	3.0	3.0	1.4	2.1	0.8	1.0	—	2.6
Legal intervention (Y35, Y89.0) <sup>37</sup> .....	0.2	—	—	—	0.2	—	0.2	0.2	0.4	0.3	—	—
Undeterm. intent (Y10-Y34, Y87.2, Y89.9)	2.3	4.4	0.5	—	0.2	2.1	4.2	4.3	3.3	2.3	1.8	3.8
War and its sequelae (Y36, Y89.1) <sup>38</sup> .....	—	—	—	—	—	—	—	—	—	—	—	—
Medical care complications (Y40-Y84, Y88) ..	0.8	—	—	0.2	—	—	0.2	0.4	0.6	2.6	5.9	9.0
<i>Injury by firearms (Many codes)<sup>39</sup> .....</i>	10.8	—	—	1.0	10.4	11.9	13.4	12.5	11.7	16.1	20.7	21.8
<i>Alcohol-induced deaths (Many codes)<sup>40,41</sup> .....</i>	16.7	—	—	—	1.0	2.6	13.8	34.8	43.9	28.9	26.0	15.4
<i>Drug-induced deaths (Many codes)<sup>42,43</sup> .....</i>	15.3	—	—	—	8.7	19.5	24.1	28.6	24.0	10.2	5.3	9.0
<i>Injury at work<sup>44</sup> .....</i>	1.5	—	—	—	0.4	1.1	2.2	2.1	3.5	2.0	2.4	1.3

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

<sup>2</sup> Rates per 100,000 population.

<sup>3</sup> Human immunodeficiency virus/Acquired immune deficiency syndrome.

<sup>4</sup> Includes uterus, part unspecified.

<sup>5</sup> Includes meninges and other parts of the central nervous system.

<sup>6</sup> Includes immunoproliferative neoplasms.

<sup>7</sup> Includes in situ neoplasms, benign neoplasms, and neoplasms of uncertain or unknown behavior.

<sup>8</sup> Includes diseases of the blood forming-organs and disorders involving the immune mechanism.

<sup>9</sup> Includes metabolic diseases.

<sup>10</sup> Includes behavioral disorders.

<sup>11</sup> In 2005, the National Center for Health Statistics changed the ICD-10 codes to which certain brain disorders were coded. In prior years, "multi-infarct

dementia" was coded to I63.9 (cerebral infarction, unspecified) and "vascular dementia" as I67.9 (cerebrovascular disease, unspecified). Beginning in 2005, "multi-infarct dementia" is assigned to code F01.1 and "vascular dementia" to F01.9. Therefore, certain deaths formerly attributed to the cerebrovascular disease rubric are now counted as forms of organic dementia.

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

12 Includes acute rheumatic fever.

13 The ICD-10 code is I25.0.

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

15 Hypertension with/without Renal Disease.

16 Includes other intracranial hemorrhages.

17 Includes diseases of the arterioles and capillaries.

18 Includes acute bronchiolitis.

19 Formerly chronic obstructive pulmonary disease (COPD).

20 Includes respiratory conditions due to inhalation of chemicals, gases, fumes, and vapors.

21 Includes liver cirrhosis.

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

23 Includes other diseases of the gallbladder.

24 Includes subcutaneous tissues.

25 Includes connective tissue.

26 Includes nephrotic syndrome and nephrosis.

27 Includes acute and rapidly progressive nephritic and nephrotic syndrome.

28 Includes chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified.

29 Inflammatory diseases of female pelvic organs.

30 Includes the puerperium.

31 Includes congenital deformations and chromosomal abnormalities.

32 Includes abnormal clinical and laboratory findings not elsewhere classified.

33 Includes 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.

34 Includes the following ICD-10 codes: V02-V04(.1-.9), V09.2, V12-V14(.3-.9), V19(.4-.6), V20-V28(.3-.9), V29(.4-.9), V30-V39(.4-.9), V40-V49(.4-.9),

V50-V59(.4-.9), V60-V69(.4-.9), V70-V79(.4-.9), V80(.3-5), V81.1, V82.1, V83-V86(.0-3), V87(.0-8), V89.2.

35 Includes exposure to noxious substances.

36 Legal intervention is the intentional or unintentional death of a person resulting from the actions of a law enforcement agent. This category 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.

37 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.)

38 Includes accidental, suicidal, homicidal, and undetermined intent gunshot deaths (ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0). Note that injuries included here are also included in other cause of death categories.

39 Includes: 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.

40 The ICD-10 codes for the above categories are E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, and Y15, respectively.

41 Includes a variety of conditions affecting multiple organ systems, such as poisonings/overdoses and mental/behavioral disorders due to substance

use/abuse. Other causes, 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.

42 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.

43 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, 2011

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
<b>Total</b> .....	862.0	474.1	33.4	12.7	91.6	120.7	199.5	452.9	1,034.3	2,084.6	5,442.9	16,216.7
<b>Infections &amp; Parasitic Disease (A00-B99)</b>	19.5	17.2	2.0	0.8	0.8	2.6	3.1	24.6	46.9	37.0	81.0	201.1
Tuberculosis (A16-A19) .....	0.1	—	—	—	—	0.4	—	—	—	—	—	—
Meningococcal infection (A39) .....	0.1	—	—	—	—	—	—	—	—	—	—	—
Septicemia (A40-A41) .....	5.7	4.3	1.0	0.8	0.8	0.4	—	3.8	8.0	14.4	40.5	81.9
Creutzfeldt-Jacob disease (A81.0) .....	0.4	—	—	—	—	—	—	0.8	—	2.1	—	7.4
Viral hepatitis (B15-B19) .....	6.7	—	—	—	—	—	0.8	14.0	28.9	8.9	4.0	—
HIV/AIDS (B20-B24) <sup>3</sup> .....	1.8	—	—	—	—	0.7	2.3	4.2	4.4	2.7	—	—
<b>Malignant Neoplasms (C00-C97)</b>	212.0	4.3	3.0	2.0	5.0	6.0	26.5	99.3	329.3	735.8	1,448.5	2,643.8
Lip, oral cavity & pharynx (C00-C14) .....	3.7	—	—	—	—	—	0.4	0.8	7.6	15.8	20.2	37.2
Digestive organs (C15-26) .....	55.7	—	—	—	—	0.4	9.4	38.3	113.9	188.4	333.4	484.1
Esophagus (C15) .....	7.7	—	—	—	—	—	0.8	4.9	17.2	24.7	58.0	37.2
Stomach (C16) .....	3.6	—	—	—	—	—	0.8	2.7	5.6	14.4	24.3	26.1
Colon, rectum & anus (C18-C21) .....	18.8	—	—	—	—	—	4.7	15.5	26.9	58.2	116.1	249.5
Colon (C18) .....	14.1	—	—	—	—	—	3.5	9.5	20.1	40.4	93.1	216.0
Rectosigmoid junction (C19) .....	1.2	—	—	—	—	—	0.8	1.1	2.0	4.8	6.7	—
Rectum (C20) .....	3.2	—	—	—	—	—	0.4	4.5	3.6	13.0	16.2	33.5
Liver & intrahepatic bile ducts (C22) .....	10.4	—	—	—	—	—	1.2	6.8	35.3	32.9	44.5	33.5
Pancreas (C25) .....	13.4	—	—	—	—	0.4	2.0	8.0	25.3	52.7	76.9	115.4
Respiratory, intrathoracic org'ns (C30-C39)	56.6	—	—	—	—	—	1.6	23.1	87.8	244.6	419.8	480.4
Larynx (C32) .....	1.4	—	—	—	—	—	—	0.8	3.2	5.5	8.1	11.2
Trachea, bronchus & lung (C33-C34) .....	54.9	—	—	—	—	—	1.6	22.0	84.2	238.4	409.0	461.7
Bronchus & lung (C34) .....	54.9	—	—	—	—	—	1.6	22.0	84.2	238.4	409.0	461.7
Skin (C43-C44) .....	6.7	—	—	0.4	0.4	1.1	1.2	4.5	12.0	21.9	32.4	85.6
Melanoma of skin (C43) .....	5.2	—	—	—	—	—	—	—	9.6	17.8	21.6	59.6
Mesothelioma (C45) .....	1.5	—	—	—	—	—	—	—	0.8	6.2	10.8	33.5
Breast (C50) .....	0.2	—	—	—	—	—	—	—	—	—	2.7	3.7
Female genital organs (C51-58) .....	—	—	—	—	—	—	—	—	—	—	—	—
Cervix uteri (C53) .....	—	—	—	—	—	—	—	—	—	—	—	—
Corpus uteri (C54-C55) <sup>4</sup> .....	—	—	—	—	—	—	—	—	—	—	—	—
Ovary (C56) .....	—	—	—	—	—	—	—	—	—	—	—	—
Male genital organs (C60-C63) .....	23.1	—	—	—	—	—	—	2.7	14.8	54.8	210.6	595.8
Prostate (C61) .....	22.7	—	—	—	—	—	—	1.5	14.4	54.1	209.2	595.8
Kidney & renal pelvis (C64-C65) .....	6.5	—	—	—	—	—	—	3.0	12.8	24.7	31.0	93.1

See footnotes at end of table.

TABLE 6-7m. Male Death Rates for Selected Causes by Age, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Bladder (C67) .....	9.2	-	-	-	-	-	-	1.1	7.6	28.8	74.2	212.3
Brain, etc. (C70-C72) <sup>5</sup> .....	6.9	-	-	1.2	1.2	0.7	4.3	6.4	15.2	26.0	20.2	26.1
Thyroid/endocrine gland (C73-C75) .....	1.1	-	0.4	-	-	-	-	1.1	1.6	1.4	10.8	3.7
Lymphoid & hematopoietic (C81-C96) .....	23.8	4.3	1.0	0.8	1.2	2.2	5.9	10.2	26.1	74.7	176.8	350.0
Hodgkin's disease (C81) .....	0.7	-	-	-	-	0.4	1.2	0.8	0.4	1.4	4.0	7.4
Non-Hodgkin's lymphoma (C82-C85) .....	7.7	-	-	-	-	0.4	1.6	4.2	9.2	19.2	62.1	126.6
Leukemia (C91-C95) .....	10.1	4.3	1.0	0.8	1.2	1.5	2.7	3.0	9.2	30.8	74.2	163.8
Lymphoid leukemia (C91) .....	3.0	-	1.0	0.4	0.4	-	0.8	0.4	2.4	6.9	27.0	55.9
Myeloid leukemia (C92) .....	5.4	4.3	-	0.4	0.8	1.1	2.0	2.3	6.0	19.9	32.4	67.0
Multiple myeloma (C88, C90) <sup>6</sup> .....	5.2	-	-	-	-	-	0.4	2.3	6.8	23.3	36.4	52.1
<b>Neopla. Not Specif. As Malign. (D00-D48)<sup>7</sup></b>	6.3	-	2.0	-	0.4	0.4	1.2	0.4	7.2	19.2	54.0	100.5
Myelodysplastic syndromes (D46) .....	2.7	-	-	-	-	-	-	-	2.4	8.9	24.3	52.1
<b>Diseases of the Blood (D50-89)<sup>8</sup></b>	2.3	-	-	-	-	-	0.8	1.1	3.6	4.1	6.7	70.8
Anemias (D50-D64) .....	1.4	-	-	-	-	-	-	0.4	2.4	2.7	2.7	48.4
<b>Endocrine &amp; Nutritional Dis. (E00-E88)<sup>9</sup></b>	44.1	-	1.0	1.2	1.9	3.4	8.2	30.7	72.6	130.2	261.9	580.9
Diabetes mellitus (E10-E14) .....	31.6	-	-	0.8	0.8	1.5	6.2	19.7	51.7	94.5	201.1	420.8
Nutritional deficiencies (E40-E64) .....	0.6	-	-	-	-	-	-	0.4	0.4	2.1	4.0	14.9
Malnutrition (E40-E46) .....	0.6	-	-	-	-	-	-	0.4	0.4	2.1	4.0	14.9
<b>Mental Disorders (F01-F99)<sup>10</sup></b>	48.7	-	-	-	2.7	2.2	7.8	19.3	36.9	60.3	259.2	1,765.0
Organic dementia (F01, F03) <sup>11</sup> .....	35.8	-	-	-	-	-	-	0.8	3.6	32.9	232.2	1,686.8
Due to alcohol (F10) <sup>12</sup> .....	7.6	-	-	0.4	0.4	0.4	5.1	14.0	20.1	17.8	13.5	26.1
Due to psychoactive substance (F11-F19)	2.7	-	-	2.3	2.3	1.5	1.6	2.3	8.8	4.1	2.7	7.4
<b>Nervous System Dis. (G00-G99)</b>	47.2	4.3	2.0	0.4	2.3	2.2	6.2	11.4	28.1	78.8	423.9	1,262.3
Meningitis (G00, G03) .....	0.1	-	-	-	-	-	-	-	-	0.7	-	3.7
Amyotrophic lateral sclerosis (G12.2) .....	3.4	-	-	-	-	-	1.2	3.4	5.6	12.3	24.3	11.2
Parkinson's disease (G20-G21) .....	10.9	-	-	-	-	-	-	0.4	1.6	21.2	126.9	290.4
Alzheimer's disease (G30) .....	20.6	-	-	-	-	-	-	-	1.2	13.7	193.0	845.3
Multiple sclerosis (G35) .....	1.3	-	-	-	-	-	-	0.4	4.4	4.8	5.4	3.7
Epilepsy (G40-G41) .....	0.8	-	-	0.8	0.8	0.7	1.2	0.8	0.8	1.4	2.7	-
<b>Eye &amp; Adnexa Dis. (H00-H59)</b>	0.1	-	-	-	-	-	-	0.4	-	-	-	-
<b>Ear &amp; Mastoid Process Dis. (H60-H95)</b>	0.1	-	-	-	-	-	-	-	0.4	-	-	-
<b>Circulatory System Diseases (I00-I99)</b>	238.8	-	1.0	-	3.5	11.6	26.9	95.1	228.6	557.6	1,690.1	5,809.0
Major cardiovascular disease (I00-I78) .....	237.1	-	1.0	-	3.5	11.2	26.2	94.0	224.2	555.6	1,678.0	5,794.1
Heart disease (I00-I09, I11, I13, I20-I51)	176.1	-	1.0	-	3.1	8.2	21.1	74.7	168.8	413.1	1,202.8	4,330.7
Rheumatic heart disease (I00-I09) <sup>13</sup> ..	1.3	-	-	-	-	-	-	0.8	1.2	1.4	14.8	26.1

See footnotes at end of table.

TABLE 6-7m. Male Death Rates for Selected Causes by Age, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Hypertensive heart disease (I11) .....	4.2	—	—	—	—	0.4	—	2.7	3.2	6.2	31.0	119.2
Hypertensive heart & renal dis. (I13) ..	1.3	—	—	—	—	—	—	—	—	1.4	8.1	63.3
Ischemic heart disease (I20-I25) .....	112.5	—	1.0	—	0.4	2.2	16.0	55.7	127.5	296.6	747.9	2,401.8
Myocardial infarction (I21-I22) .....	32.8	—	—	—	—	0.7	5.1	12.1	42.1	102.8	220.0	599.5
Other acute ischemic hrt. dis. (I24) ..	0.8	—	—	—	—	—	—	1.1	1.6	0.7	5.4	11.2
Chronic isch. heart dis. (I20, I25) .....	78.9	—	1.0	—	0.4	1.5	10.9	42.4	83.8	193.2	522.4	1,791.1
Atheroscler. cardiovascular dis. <sup>14</sup>	5.8	—	—	—	—	—	0.8	6.4	8.0	11.6	39.1	96.8
Other chr. ischemic heart dis. <sup>15</sup> ..	73.0	—	1.0	—	0.4	1.5	10.1	36.0	75.8	181.5	483.3	1,694.3
Nonrheumatic mitral valve dis. (I34) ..	0.8	—	—	—	—	—	0.4	—	0.8	2.1	5.4	18.6
Nonrheumatic aortic valve dis. (I35) ..	9.6	—	—	—	—	—	0.8	0.8	3.2	8.9	68.8	398.4
Cardiomyopathy (I42) .....	6.8	—	—	—	1.2	3.4	2.0	3.0	8.4	18.5	39.1	100.5
Heart failure (I50) .....	17.8	—	—	—	—	0.7	—	2.3	8.8	28.1	129.6	644.2
Congestive heart failure (I50.0) .....	15.4	—	—	—	—	0.4	—	1.9	5.2	23.3	112.0	588.3
Left ventricular heart failure (I50.1)	0.1	—	—	—	—	—	—	—	—	0.7	—	—
Heart failure, unspecified (I50.9) .....	2.4	—	—	—	—	0.4	—	0.4	3.6	4.1	17.5	55.9
HBP (I10, I12, I15) <sup>16</sup> .....	10.1	—	—	—	—	—	0.4	4.5	14.0	25.3	81.0	178.7
Cerebrovascular disease (I60-I69) <sup>11</sup> .....	40.6	—	—	—	—	2.6	4.3	12.1	30.9	88.4	315.9	1,061.3
Subarachnoid hemorrhage (I60) .....	1.5	—	—	—	—	0.7	1.6	1.1	3.2	2.1	5.4	14.9
Intracerebral hemorrhage (I61-I62) <sup>17</sup>	8.2	—	—	—	—	1.5	1.2	4.5	9.2	23.3	59.4	137.8
Cerebral infarction (I63) .....	1.7	—	—	—	—	—	0.4	0.8	2.0	4.1	12.1	37.2
Stroke (type not specified) (I64) .....	21.1	—	—	—	—	—	0.8	4.5	13.6	43.2	157.9	647.9
Atherosclerosis (I70) .....	2.1	—	—	—	—	—	—	0.4	1.6	2.7	25.6	48.4
Aortic aneurysm & dissection (I71) .....	5.0	—	—	—	0.4	0.4	—	1.5	6.4	17.8	32.4	85.6
Diseases of arteries (I72-I78) <sup>18</sup> .....	3.1	—	—	—	—	—	0.4	0.8	2.4	8.2	20.2	89.4
<b>Respiratory System Diseases (J00-J99)</b>	77.1	—	3.0	0.4	0.8	1.5	3.1	14.4	67.8	198.7	654.7	1,757.6
Influenza & pneumonia (J09-J18) .....	10.2	—	1.0	—	0.4	0.4	1.2	2.7	6.8	8.2	63.4	394.7
Influenza (J09-J11) .....	0.3	—	—	—	0.4	—	—	0.8	0.8	0.7	—	—
Pneumonia (J12-J18) .....	9.9	—	1.0	—	—	0.4	1.2	1.9	6.0	7.5	63.4	394.7
Other acute lower resp. infect'ns (J20-J22)	0.1	—	—	—	—	—	—	—	—	—	1.3	—
Acute bronchitis (J20-J21) <sup>19</sup> .....	0.1	—	—	—	—	—	—	—	—	—	1.3	—
Chronic lower respiratory dis. (J40-J47) <sup>20</sup> ..	49.8	—	1.0	0.4	—	0.4	0.8	8.7	48.1	148.0	446.8	953.3
Bronchitis, chronic & unspec. (J40-J42)	0.3	—	—	—	—	—	—	—	—	0.7	1.3	11.2
Emphysema (J43) .....	4.2	—	—	—	—	—	—	0.4	4.0	12.3	43.2	70.8
Asthma (J45-J46) .....	0.6	—	1.0	0.4	—	0.4	—	0.4	0.4	0.7	2.7	11.2
Other CLRD (J44, J47) .....	44.8	—	—	—	—	—	0.8	8.0	43.7	134.3	399.6	860.2

See footnotes at end of table.

TABLE 6-7m. Male Death Rates for Selected Causes by Age, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death											
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
Bronchiectasis (J47) .....	0.3	—	—	—	—	—	0.4	—	—	—	0.7	2.7	3.7
Pneumoconioses (J60-J66, J68) <sup>21</sup> .....	0.8	—	—	—	—	—	—	—	—	—	1.4	10.8	14.9
Pneumonitis due to solids & liquids (J69) .....	4.2	—	—	—	0.4	—	—	1.1	—	—	8.9	25.6	145.2
<b>Digestive System Diseases (K00-K92)</b> .....	39.0	—	—	0.4	1.5	1.9	15.2	41.7	77.4	85.6	178.2	506.4	—
Peptic ulcer (K25-K28) .....	1.3	—	—	—	—	—	0.4	—	0.8	4.8	13.5	18.6	—
Diseases of the appendix (K35-K38) .....	0.2	—	—	—	0.4	—	—	—	—	0.7	—	3.7	—
Appendicitis (K35-K37) .....	0.2	—	—	—	0.4	—	—	—	—	0.7	—	3.7	—
Hernia (K40-K46) .....	0.7	—	—	—	—	—	0.4	—	0.4	2.1	2.7	26.1	—
Vascular disorders of the intestine (K55) .....	2.5	—	—	—	0.4	—	—	0.4	2.0	6.9	18.9	59.6	—
Chronic liver disease (K70, K73-K74) <sup>22</sup> .....	18.2	—	—	—	0.8	1.1	11.7	31.8	54.1	38.4	39.1	29.8	—
Alcoholic liver disease (K70) <sup>23</sup> .....	13.9	—	—	—	0.8	1.1	10.9	27.7	42.9	24.0	22.9	—	—
Cholelithiasis (K80-K82) <sup>24</sup> .....	1.5	—	—	—	—	—	—	—	2.4	1.4	14.8	33.5	—
<b>Diseases of the Skin (L00-L98)</b> <sup>25</sup> .....	1.7	—	—	—	—	—	0.8	1.5	2.0	2.1	10.8	41.0	—
<b>Musculoskeletal Disease (M00-M99)</b> <sup>26</sup> .....	4.0	—	—	—	1.2	—	0.8	2.3	6.0	5.5	27.0	81.9	—
<b>Genitourinary System Dis. (N00-N99)</b> .....	12.7	—	—	—	—	0.4	1.6	2.3	7.2	29.5	90.4	383.5	—
Nephritis (N00-N07, N17-N19, N25-N27) <sup>27</sup>	8.7	—	—	—	—	0.4	1.6	1.5	5.2	19.2	59.4	268.1	—
Acute nephrotic syndrome <sup>28</sup> .....	0.1	—	—	—	—	—	—	0.4	—	—	—	3.7	—
Chronic nephritis <sup>29</sup> .....	1.0	—	—	—	—	—	—	0.4	0.8	0.7	5.4	41.0	—
Renal failure (N17-N19) .....	7.6	—	—	—	—	0.4	1.6	0.8	4.4	18.5	54.0	223.4	—
Other disorders of kidney (N25, N27) .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Kidney infect'ns (N10-N12, N13.6, N15.1) ..	0.2	—	—	—	—	—	—	—	—	—	2.7	3.7	—
Urinary tract infection (N59.0) .....	1.9	—	—	—	—	—	—	0.4	0.8	4.1	14.8	59.6	—
Hyperplasia of prostate (N40) .....	0.8	—	—	—	—	—	—	—	—	2.1	4.0	37.2	—
Female pelvic inflam. dis. (N70-N76) <sup>30</sup> .....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Pregnancy &amp; Childbirth (O00-O99)</b> <sup>31</sup> .....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Perinatal Conditions (P00-P96)</b> .....	3.4	271.6	—	—	—	—	—	0.4	—	—	—	—	—
<b>Congenital Malformations (Q00-Q99)</b> <sup>32</sup> ..	2.8	86.2	2.0	0.8	1.9	1.5	2.7	0.8	0.8	4.8	4.0	—	—
Malformation of the heart (Q20-Q24) .....	0.8	21.6	1.0	—	1.2	0.7	1.2	—	—	0.7	1.3	—	—
Other malf. of the circul. sys. (Q25-Q28) .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Malf. of the respiratory system (Q30-Q34)	0.1	—	—	—	0.4	—	—	—	—	—	—	—	—
<b>Symptoms &amp; Signs (R00-R99)</b> <sup>33</sup> .....	13.9	69.0	3.0	—	1.5	1.5	2.7	5.7	16.8	31.5	54.0	327.7	—
Senility (R54) .....	1.0	—	—	—	—	—	—	—	—	—	—	74.5	—
Sudden infant death syndrome (R95) .....	0.7	60.3	—	—	—	—	—	—	—	—	—	—	—
<b>External Causes of Death (V01-Y89)</b> .....	88.2	21.6	14.2	7.4	68.0	85.5	91.7	101.6	102.7	104.1	198.4	685.2	—
Accidents (V01-X59, Y85-Y86) .....	53.4	17.2	9.1	2.9	39.4	43.9	43.3	60.6	61.8	61.0	140.4	603.2	—

See footnotes at end of table.



TABLE 6-7m. Male Death Rates for Selected Causes by Age, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Transport accidents (V01-V99, Y85) .....	15.7	—	3.0	2.0	20.1	12.7	11.7	22.0	20.5	23.3	33.7	26.1
Motor vehicle acc. (Many codes) <sup>34</sup> .....	14.0	—	3.0	2.0	19.3	11.6	9.0	18.2	18.4	20.6	32.4	26.1
Motor veh. traf. (Many codes) <sup>35</sup> .....	12.9	—	1.0	2.0	18.2	10.5	8.2	17.4	17.2	18.5	31.0	22.3
Water transport accidents (V90-V94) .....	0.5	—	—	0.4	0.4	0.4	0.8	1.1	—	1.4	—	—
Air transport accidents (V95-V97) .....	0.2	—	—	—	—	—	—	0.4	0.8	—	1.3	—
Nontransport accidents (W00-X59, Y86) .....	37.7	17.2	6.1	0.8	19.3	31.1	31.6	38.7	41.3	37.7	106.6	577.2
Falls (W00-W19) .....	13.9	—	—	2.3	2.3	0.7	2.3	3.0	8.8	19.9	83.7	484.1
Firearms (W32-W34) .....	0.4	—	—	0.4	0.4	—	1.2	0.8	0.4	—	—	—
Drowning & submersion (W65-W74) ..	2.4	—	3.0	—	4.3	2.2	1.6	1.9	3.6	2.1	2.7	7.4
Exposure to smoke & fire (X00-X09) ..	1.1	—	3.0	0.4	—	0.7	1.2	1.1	1.6	2.1	1.3	3.7
Poisoning (X40-X49) <sup>36</sup> .....	14.8	—	—	—	10.8	24.7	24.2	25.8	20.5	4.1	1.3	3.7
Suicide (X60-X84, Y87.0) .....	26.6	—	—	2.0	21.3	31.9	38.3	31.5	31.3	35.6	47.2	63.3
Poisoning (X60-X69) .....	2.9	—	—	—	1.9	2.2	3.5	4.5	6.4	3.4	1.3	3.7
Hanging/suffocation (X70) .....	6.1	—	—	1.2	6.2	12.0	10.5	9.1	3.2	3.4	1.3	—
Firearm discharge (X72-X74) .....	15.8	—	—	0.8	12.8	14.6	20.3	15.9	18.8	26.7	43.2	55.9
Homicide (X85-Y09, Y87.1) .....	4.2	4.3	4.0	2.5	7.0	7.1	4.3	3.4	4.4	0.7	—	—
Firearm discharge (X93-X95) .....	2.4	—	—	0.8	5.4	4.9	2.3	2.3	1.6	—	—	—
Legal intervention (Y35, Y89.0) <sup>37</sup> .....	0.3	—	—	0.4	0.4	—	—	0.4	0.8	0.7	—	—
Undeterm. intent (Y10-Y34, Y87.2, Y89.9) ..	2.8	—	1.0	—	—	2.6	5.5	4.9	3.6	2.7	4.0	7.4
War and its sequelae (Y36, Y89.1) <sup>38</sup> .....	—	—	—	—	—	—	—	—	—	—	—	—
Medical care complications (Y40-Y84, Y88) ..	0.9	—	—	—	—	—	0.4	0.8	0.8	3.4	6.7	11.2
Injury by firearms (Many codes) <sup>39</sup> .....	19.0	—	—	1.6	18.9	19.5	23.8	19.3	22.1	28.8	44.5	55.9
Alcohol-induced deaths (Many codes) <sup>40,41</sup> .....	23.7	—	—	—	1.5	3.0	18.0	45.9	68.6	45.9	39.1	26.1
Drug-induced deaths (Many codes) <sup>42,43</sup> .....	19.3	—	—	—	14.7	28.5	29.3	29.9	31.3	10.3	5.4	14.9
Injury at work <sup>44</sup> .....	3.0	—	—	—	0.8	2.2	4.3	3.8	7.2	4.1	4.0	3.7

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

<sup>2</sup> Rates per 100,000 population.

<sup>3</sup> Human immunodeficiency virus/Acquired immune deficiency syndrome.

<sup>4</sup> Includes uterus, part unspecified.

<sup>5</sup> Includes meninges and other parts of the central nervous system.

<sup>6</sup> Includes immunoproliferative neoplasms.

<sup>7</sup> Includes in situ neoplasms, benign neoplasms, and neoplasms of uncertain or unknown behavior.

<sup>8</sup> Includes diseases of the blood forming-organs and disorders involving the immune mechanism.

<sup>9</sup> Includes metabolic diseases.

<sup>10</sup> Includes behavioral disorders.

<sup>11</sup> In 2005, the National Center for Health Statistics changed the ICD-10 codes to which certain brain disorders were coded. In prior years, "multi-infarct

dementia" was coded to I63.9 (cerebral infarction, unspecified) and "vascular dementia" as I67.9 (cerebrovascular disease, unspecified). Beginning in 2005, "multi-infarct dementia" is assigned to code F01.1 and "vascular dementia" to F01.9. Therefore, certain deaths formerly attributed to the cerebrovascular disease rubric are now counted as forms of organic dementia.

- 12 For all deaths due to alcohol, see "Alcohol-induced deaths" at the end of the table.
- 13 Includes acute rheumatic fever.
- 14 The ICD-10 code is I25.0.
- 15 Includes angina, arteriosclerotic heart disease, coronary heart disease, and related disorders. The ICD-10 codes are I20, I25.1-I25.9.
- 16 Hypertension with/without Renal Disease.
- 17 Includes other intracranial hemorrhages.
- 18 Includes diseases of the arterioles and capillaries.
- 19 Includes acute bronchiolitis.
- 20 Formerly chronic obstructive pulmonary disease (COPD).
- 21 Includes respiratory conditions due to inhalation of chemicals, gases, fumes, and vapors.
- 22 Includes liver cirrhosis.
- 23 For all deaths due to alcohol, see "Alcohol-induced deaths" at the end of the table.
- 24 Includes other diseases of the gallbladder.
- 25 Includes subcutaneous tissues.
- 26 Includes connective tissue.
- 27 Includes nephrotic syndrome and nephrosis.
- 28 Includes acute and rapidly progressive nephritic and nephrotic syndrome.
- 29 Includes chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified.
- 30 Inflammatory diseases of female pelvic organs.
- 31 Includes the puerperium.
- 32 includes congenital deformations and chromosomal abnormalities.
- 33 Includes abnormal clinical and laboratory findings not elsewhere classified.
- 34 Includes 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.
- 35 Includes the following ICD-10 codes: V02-V04(.1-.9), V09.2, V12-V14(.3-.9), V19(.4-.6), V20-V28(.3-.9), V29(.4-.9), V30-V39(.4-.9), V40-V49(.4-.9), V50-V59(.4-.9), V60-V69(.4-.9), V70-V79(.4-.9), V80(.3-.5), V81.1, V82.1, V83-V86(.0-.3), V87(.0-.8), V89.2.
- 36 Includes exposure to noxious substances.
- 37 Legal intervention is the intentional or unintentional death of a person resulting from the actions of a law enforcement agent. This category 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.
- 38 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.)
- 39 Includes accidental, suicidal, homicidal, and undetermined intent gunshot deaths (ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0). Note that injuries included here are also included in other cause of death categories.
- 40 Includes: 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.
- 41 The ICD-10 codes for the above categories are E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, and Y15. respectively.
- 42 Includes a variety of conditions affecting multiple organ systems, such as poisonings/overdoses and mental/behavioral disorders due to substance use/abuse. Other causes, 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.
- 43 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.
- 44 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, 2011

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
<b>Total</b> .....	835.3	455.9	24.5	13.7	23.7	54.3	116.5	312.1	611.8	1,444.4	4,138.7	13,581.8
<b>Infections &amp; Parasitic Disease (A00-B99)</b>												
Tuberculosis (A16-A19) .....	13.7	9.1	1.1	0.9	0.4	0.4	2.4	13.3	17.1	27.7	65.1	131.2
Meningococcal infection (A39) .....	0.2	-	-	-	-	-	-	-	0.4	0.6	-	2.0
Septicemia (A40-A41) .....	0.1	-	-	-	-	-	-	-	-	0.6	-	-
Creutzfeldt-Jacob disease (A81.0) .....	4.9	-	-	0.4	0.4	0.4	0.4	3.0	4.9	11.3	29.4	48.9
Viral hepatitis (B15-B19) .....	0.6	-	-	-	-	-	-	0.7	1.1	3.1	1.0	-
HIV/AIDS (B20-B24) <sup>3</sup> .....	2.9	-	-	-	-	-	1.2	7.8	8.0	3.8	4.2	3.9
<b>Malignant Neoplasms (C00-C97)</b>	0.2	-	-	-	-	-	0.4	0.7	0.4	-	-	-
Lip, oral cavity & pharynx (C00-C14) .....	190.9	-	2.1	2.6	2.0	7.6	32.0	109.3	253.2	575.6	1,047.8	1,434.9
Digestive organs (C15-26) .....	1.9	-	-	-	-	0.4	-	1.8	2.3	5.7	9.4	13.7
Esophagus (C15) .....	43.8	-	-	-	-	0.8	6.4	25.1	57.7	126.5	221.5	399.4
Stomach (C16) .....	2.2	-	-	-	-	-	0.4	3.0	3.4	2.5	10.5	21.5
Colon, rectum & anus (C18-C21) .....	2.3	-	-	-	-	-	0.4	1.1	3.0	7.5	8.4	23.5
Colon (C18) .....	18.8	-	-	-	-	0.4	4.0	12.6	17.8	45.3	99.7	211.4
Rectosigmoid junction (C19) .....	14.2	-	-	-	-	0.4	2.0	7.4	12.5	36.5	74.5	174.2
Rectum (C20) .....	1.0	-	-	-	-	-	0.8	1.5	0.4	1.3	4.2	13.7
Liver & intrahepatic bile ducts (C22) .....	2.7	-	-	-	-	-	0.8	3.3	3.0	6.3	15.7	15.7
Pancreas (C25) .....	4.7	-	-	-	-	0.4	0.8	3.0	9.9	13.8	18.9	29.4
Respiratory, intrathoracic org'ns (C30-C39)	12.7	-	-	-	-	-	0.8	5.2	19.0	45.3	66.1	92.0
Larynx (C32) .....	51.8	-	-	-	-	0.4	2.4	21.8	68.7	191.2	334.9	274.1
Trachea, bronchus & lung (C33-C34) .....	0.3	-	-	-	-	-	-	-	0.4	1.9	1.0	2.0
Bronchus & lung (C34) .....	51.2	-	-	-	-	0.4	2.4	21.8	67.9	187.5	332.8	272.1
Skin (C43-C44) .....	51.2	-	-	-	-	0.4	2.4	21.8	67.9	187.5	332.8	270.1
Melanoma of skin (C43) .....	3.5	-	-	-	-	0.4	1.6	3.7	5.3	9.4	12.6	25.4
Mesothelioma (C45) .....	2.7	-	-	-	-	0.4	1.6	2.6	4.9	6.9	9.4	15.7
Breast (C50) .....	0.7	-	-	-	-	-	-	-	-	1.9	7.3	5.9
Female genital organs (C51-58) .....	25.5	-	-	-	-	1.9	7.6	24.0	43.6	73.6	102.9	152.7
Cervix uteri (C53) .....	21.4	-	-	-	-	1.1	7.2	16.2	30.7	66.1	109.2	123.3
Corpus uteri (C54-C55) <sup>4</sup> .....	2.7	-	-	-	-	1.1	2.8	3.3	4.2	3.1	10.5	15.7
Ovary (C56) .....	5.7	-	-	-	-	-	0.8	4.4	8.0	20.1	29.4	31.3
Male genital organs (C60-C63) .....	11.5	-	-	-	-	-	3.2	7.8	16.7	37.1	61.9	66.6
Prostate (C61) .....	-	-	-	-	-	-	-	-	-	-	-	-
Kidney & renal pelvis (C64-C65) .....	3.4	-	-	-	-	-	0.4	1.1	5.7	9.4	14.7	37.2

See footnotes at end of table.

TABLE 6-7f. Female Death Rates for Selected Causes by Age, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death												
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+		
Bladder (C67) .....	2.9	-	-	-	-	-	-	-	-	-	-	7.5	19.9	37.2
Brain, etc. (C70-C72) <sup>5</sup> .....	4.5	-	1.1	-	-	1.5	2.0	5.2	8.7	13.8	13.7	13.8	12.6	13.7
Thyroid/endocrine gland (C73-C75) .....	0.8	-	-	-	-	-	-	-	1.1	1.3	2.0	1.3	9.4	2.0
Lymphoid & hematopoietic (C81-C96) .....	15.2	-	1.1	1.3	1.6	1.1	1.2	3.7	12.1	37.7	168.4	37.7	98.7	168.4
Hodgkin's disease (C81) .....	0.4	-	-	-	-	0.4	-	0.4	-	1.9	5.9	1.9	-	5.9
Non-Hodgkin's lymphoma (C82-C85) .....	5.6	-	-	0.4	-	0.4	-	0.4	3.0	15.1	74.4	15.1	38.8	74.4
Leukemia (C91-C95) .....	5.8	-	1.1	0.9	1.6	0.4	0.8	1.8	6.1	12.0	58.7	12.0	34.6	58.7
Lymphoid leukemia (C91) .....	1.7	-	-	0.4	0.8	-	0.8	0.7	0.4	3.1	19.6	3.1	10.5	19.6
Myeloid leukemia (C92) .....	3.3	-	-	-	0.8	0.4	-	1.1	4.2	7.5	29.4	7.5	21.0	29.4
Multiple myeloma (C88, C90) <sup>6</sup> .....	3.3	-	-	-	-	-	0.4	1.1	3.0	8.8	27.4	3.0	25.2	27.4
<b>Neopla. Not Specif. As Malign. (D00-D48)<sup>7</sup></b>	6.4	-	-	-	-	0.8	-	2.6	3.0	14.5	94.0	14.5	38.8	94.0
Myelodysplastic syndromes (D46) .....	2.4	-	-	-	-	0.4	-	0.4	-	6.9	33.3	6.9	17.8	33.3
<b>Diseases of the Blood (D50-89)<sup>8</sup></b>	3.5	4.6	1.1	1.3	-	-	-	1.1	3.8	3.8	64.6	3.8	12.6	64.6
Anemias (D50-D64) .....	1.8	-	-	0.4	-	-	-	-	1.1	1.9	45.0	1.9	5.2	45.0
<b>Endocrine &amp; Nutritional Dis. (E00-E88)<sup>9</sup></b>	38.3	-	-	-	0.4	2.7	10.8	18.8	38.0	84.3	456.1	84.3	203.7	456.1
Diabetes mellitus (E10-E14) .....	26.2	-	-	-	-	1.9	6.4	10.3	26.2	59.1	301.5	59.1	152.2	301.5
Nutritional deficiencies (E40-E64) .....	1.0	-	-	-	-	-	-	0.4	1.5	0.6	19.6	0.6	4.2	19.6
Malnutrition (E40-E46) .....	0.8	-	-	-	-	-	-	-	1.1	0.6	15.7	0.6	3.1	15.7
<b>Mental Disorders (F01-F99)<sup>10</sup></b>	74.0	-	1.1	-	0.4	0.4	1.2	7.4	12.5	24.5	2,024.2	24.5	326.5	2,024.2
Organic dementia (F01, F03) <sup>11</sup> .....	68.6	-	1.1	-	-	-	-	0.7	3.4	15.7	1,967.4	15.7	310.8	1,967.4
Due to alcohol (F10) <sup>12</sup> .....	2.1	-	-	-	-	0.4	0.4	4.1	4.2	3.8	9.8	3.8	6.3	9.8
Due to psychoactive substance (F11-F19) .....	1.1	-	-	-	-	-	0.8	1.5	3.0	3.1	2.0	3.1	2.1	2.0
<b>Nervous System Dis. (G00-G99)</b>	67.4	-	1.1	0.4	2.0	0.8	4.0	8.5	18.2	71.1	1,507.4	71.1	357.0	1,507.4
Meningitis (G00, G03) .....	0.3	-	-	0.4	-	-	0.4	-	-	-	2.0	-	2.1	2.0
Amyotrophic lateral sclerosis (G12.2) .....	2.7	-	-	-	-	-	0.4	0.4	3.0	9.4	13.7	9.4	21.0	13.7
Parkinson's disease (G20-G21) .....	7.2	-	-	-	-	-	-	-	0.4	14.5	129.2	14.5	53.5	129.2
Alzheimer's disease (G30) .....	47.8	-	-	-	-	-	-	0.7	3.4	25.8	1,290.1	25.8	231.0	1,290.1
Multiple sclerosis (G35) .....	1.7	-	-	-	-	-	0.4	1.1	3.8	5.0	9.8	5.0	7.3	9.8
Epilepsy (G40-G41) .....	0.5	-	-	-	0.4	0.4	0.8	1.1	0.4	-	-	-	1.0	-
<b>Eye &amp; Adnexa Dis. (H00-H59)</b>	0.1	-	-	-	-	-	-	-	-	-	-	-	-	2.0
<b>Ear &amp; Mastoid Process Dis. (H60-H95)</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Circulatory System Diseases (I00-I99)</b>	228.2	4.6	2.1	0.4	0.4	4.6	8.8	39.1	100.2	276.8	4,989.9	276.8	1,102.4	4,989.9
Major cardiovascular disease (I00-I78) .....	226.7	-	2.1	0.4	0.4	4.2	8.4	38.4	97.9	275.5	4,970.3	275.5	1,096.1	4,970.3
Heart disease (I00-I09, I11, I13, I20-I51)	146.5	-	1.1	0.4	0.4	3.4	6.8	25.5	61.5	169.2	3,280.9	169.2	682.4	3,280.9
Rheumatic heart disease (I00-I09) <sup>13</sup> ..	2.4	-	-	-	-	-	-	0.4	1.1	2.5	47.0	2.5	15.7	47.0

See footnotes at end of table.

TABLE 6-7f. Female Death Rates for Selected Causes by Age, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Hypertensive heart disease (I11) .....	7.6	—	—	—	—	—	0.4	1.5	0.4	1.3	26.2	225.1
Hypertensive heart & renal dis. (I13) ..	1.6	—	—	—	—	—	—	0.4	0.8	1.3	6.3	41.1
Ischemic heart disease (I20-I25) .....	66.7	—	—	—	1.5	2.8	10.3	37.2	110.7	344.4	1,290.1	1,290.1
Myocardial infarction (I21-I22) .....	23.2	—	—	—	0.4	0.8	5.2	11.4	47.8	124.9	411.1	411.1
Other acute ischemic hrt. dis. (I24) ..	0.8	—	—	—	—	0.4	—	0.8	2.5	2.1	11.7	11.7
Chronic isch. heart dis. (I20, I25) ...	42.7	—	—	—	1.1	1.6	5.2	25.1	60.4	217.3	867.2	867.2
Atheroscler. cardiovascular dis. <sup>14</sup>	4.2	—	—	—	—	0.4	0.4	2.3	4.4	23.1	88.1	88.1
Other chr. ischemic heart dis. <sup>15</sup> ...	38.5	—	—	—	1.1	1.2	4.8	22.8	56.0	194.2	779.1	779.1
Nonrheumatic mitral valve dis. (I34) ...	1.6	—	—	—	0.8	—	0.4	0.8	0.6	4.2	41.1	41.1
Nonrheumatic aortic valve dis. (I35) ...	12.4	—	—	—	—	—	—	—	2.3	44.1	356.3	356.3
Cardiomyopathy (I42) .....	4.9	—	—	0.4	—	1.6	4.1	3.0	8.2	30.4	56.8	56.8
Heart failure (I50) .....	20.8	—	—	—	0.4	—	—	3.8	12.6	95.5	550.1	550.1
Congestive heart failure (I50.0) .....	18.8	—	—	—	—	—	—	3.0	11.3	84.0	503.1	503.1
Left ventricular heart failure (I50.1)	0.2	—	—	—	—	—	—	—	0.6	1.0	2.0	2.0
Heart failure, unspecified (I50.9) .....	1.9	—	—	—	0.4	—	—	0.8	0.6	10.5	45.0	45.0
HBP (I10, I12, I15) <sup>16</sup> .....	13.1	—	—	—	—	—	—	—	7.6	17.6	311.3	311.3
Cerebrovascular disease (I60-I69) <sup>11</sup> .....	58.0	—	1.1	—	0.4	1.2	10.7	24.7	73.6	309.7	1,213.7	1,213.7
Subarachnoid hemorrhage (I60) .....	2.5	—	—	—	0.4	0.8	3.0	4.6	5.0	9.4	17.6	17.6
Intracerebral hemorrhage (I61-I62) <sup>17</sup>	9.2	—	—	—	—	—	4.4	8.0	15.7	61.9	121.4	121.4
Cerebral infarction (I63) .....	2.8	—	—	—	—	0.4	0.7	0.4	5.0	17.8	48.9	48.9
Stroke (type not specified) (I64) .....	33.4	—	1.1	—	—	—	2.2	8.7	37.1	161.7	798.7	798.7
Atherosclerosis (I70) .....	2.4	—	—	—	—	—	—	1.1	3.8	17.8	41.1	41.1
Aortic aneurysm & dissection (I71) .....	3.3	—	—	—	—	0.4	0.4	1.9	5.7	19.9	56.8	56.8
Diseases of arteries (I72-I78) <sup>18</sup> .....	3.4	—	—	—	—	0.4	0.7	1.1	5.7	17.8	66.6	66.6
<b>Respiratory System Diseases (J00-J99)</b>												
Influenza & pneumonia (J09-J18) .....	79.1	9.1	—	0.9	0.8	2.3	15.1	61.5	198.2	510.3	1,012.1	1,012.1
Influenza (J09-J11) .....	10.3	9.1	—	0.9	0.4	1.1	3.0	3.8	13.8	48.3	203.6	203.6
Pneumonia (J12-J18) .....	0.5	4.6	—	—	—	0.8	0.4	0.8	—	1.0	2.0	2.0
Other acute lower resp. infect'ns (J20-J22)	9.8	4.6	—	0.9	0.4	0.4	2.6	3.0	13.8	47.2	201.6	201.6
Acute bronchitis (J20-J21) <sup>19</sup> .....	0.1	—	—	—	—	—	—	—	—	—	3.9	3.9
Chronic lower respiratory dis. (J40-J47) <sup>20</sup> ..	0.1	—	—	—	—	1.1	8.5	45.9	160.4	395.8	583.4	583.4
Bronchitis, chronic & unspec. (J40-J42)	55.4	—	—	—	—	—	—	0.4	—	—	2.0	2.0
Emphysema (J43) .....	0.1	—	—	—	—	—	—	4.6	15.1	39.9	27.4	27.4
Asthma (J45-J46) .....	4.7	—	—	—	—	—	—	3.0	1.3	3.1	21.5	21.5
Other CLRD (J44, J47) .....	1.8	—	—	—	1.1	1.2	1.8	3.0	1.3	3.1	21.5	21.5
	48.8	—	—	—	—	—	5.2	38.0	144.1	352.8	532.5	532.5

See footnotes at end of table.

TABLE 6-7f. Female Death Rates for Selected Causes by Age, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Age at Death										Rate <sup>2</sup>
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	
Bronchiectasis (J47) .....	—	—	—	—	—	—	—	—	0.6	4.2	11.7
Pneumoconioses (J60-J66, J68) <sup>21</sup> .....	—	—	—	—	—	—	—	—	—	1.0	—
Pneumonitis due to solids & liquids (J69) ...	—	—	—	0.4	—	—	0.7	4.6	3.1	12.6	97.9
<b>Digestive System Diseases (K00-K92)</b> ....	35.4	—	0.9	0.4	2.7	10.4	28.4	41.0	74.2	162.7	385.6
Peptic ulcer (K25-K28) .....	—	—	—	—	—	0.4	0.4	1.9	2.5	5.2	27.4
Diseases of the appendix (K35-K38) .....	—	—	—	—	—	—	—	—	—	—	3.9
Appendicitis (K35-K37) .....	—	—	—	—	—	—	—	—	—	—	3.9
Hernia (K40-K46) .....	—	—	—	—	—	—	—	0.8	1.9	3.1	5.9
Vascular disorders of the intestine (K55) ...	—	—	—	—	—	—	1.5	1.5	11.3	31.5	45.0
Chronic liver disease (K70, K73-K74) <sup>22</sup> ....	10.2	—	—	0.4	1.9	7.2	20.7	20.5	23.3	24.1	9.8
Alcoholic liver disease (K70) <sup>23</sup> .....	6.8	—	—	0.4	1.9	7.2	18.1	14.4	8.8	8.4	—
Cholelithiasis (K80-K82) <sup>24</sup> .....	1.3	—	—	—	—	0.4	—	0.8	1.3	9.4	23.5
<b>Diseases of the Skin (L00-L98)</b> <sup>25</sup> .....	1.8	—	—	—	—	—	1.1	1.1	5.0	6.3	29.4
<b>Musculoskeletal Disease (M00-M99)</b> <sup>26</sup> ....	7.5	—	—	0.4	—	1.6	3.7	4.9	13.2	34.6	127.2
<b>Genitourinary System Dis. (N00-N99)</b> ....	15.4	—	—	—	—	1.2	3.3	10.2	23.3	75.6	297.6
Nephritis (N00-N07, N17-N19, N25-N27) <sup>27</sup>	8.4	—	—	—	—	1.2	1.8	7.2	13.8	32.5	164.4
Acute nephrotic syndrome <sup>28</sup> .....	0.2	—	—	—	—	—	—	—	—	1.0	3.9
Chronic nephritis <sup>29</sup> .....	0.9	—	—	—	—	—	—	1.1	0.6	4.2	19.6
Renal failure (N17-N19) .....	7.3	—	—	—	—	1.2	1.5	6.1	13.2	27.3	140.9
Other disorders of kidney (N25, N27) .....	0.1	—	—	—	—	—	0.4	—	—	—	—
Kidney infect'ns (N10-N12, N13.6, N15.1) ..	0.3	—	—	—	—	—	—	—	—	1.0	7.8
Urinary tract infection (N59.0) .....	5.4	—	—	—	—	—	0.7	2.7	8.2	29.4	109.6
Hyperplasia of prostate (N40) .....	—	—	—	—	—	—	—	—	—	—	—
Female pelvic inflam. dis. (N70-N76) <sup>30</sup> .....	0.2	—	—	—	—	—	0.4	—	—	2.1	2.0
<b>Pregnancy &amp; Childbirth (O00-O99)</b> <sup>31</sup> .....	0.5	—	—	—	2.3	1.6	—	—	—	—	—
<b>Perinatal Conditions (P00-P96)</b> .....	2.4	—	—	—	—	—	—	—	—	—	—
<b>Congenital Malformations (Q00-Q99)</b> <sup>32</sup> ..	3.8	5.3	1.3	0.8	1.9	0.4	4.4	3.0	1.9	4.2	11.7
Malformation of the heart (Q20-Q24) .....	1.2	2.1	—	—	0.8	—	1.1	0.8	0.6	—	5.9
Other malf. of the circul. sys. (Q25-Q28) ....	0.2	—	—	—	—	—	—	—	—	3.1	2.0
Malf. of the respiratory system (Q30-Q34)	—	—	—	—	—	—	—	—	—	—	—
<b>Symptoms &amp; Signs (R00-R99)</b> <sup>33</sup> .....	20.8	1.1	0.4	0.4	1.1	2.0	4.8	8.0	15.1	67.2	505.1
Senility (R54) .....	2.1	—	—	—	—	—	—	—	—	4.2	70.5
Sudden infant death syndrome (R95) .....	0.7	—	—	—	—	—	—	—	—	—	—
<b>External Causes of Death (V01-Y89)</b> .....	45.9	9.6	4.7	15.3	26.8	36.4	51.0	36.1	35.2	123.9	509.0
Accidents (V01-X59, Y85-Y86) .....	35.2	7.4	2.1	10.5	16.8	21.2	29.2	25.8	23.3	114.4	491.4

See footnotes at end of table.

TABLE 6-7f. Female Death Rates for Selected Causes by Age, Oregon Residents, 2011 — Continued

Causes of Death (and their ICD-10 codes) <sup>1</sup>	Rate <sup>2</sup>	Age at Death										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Transport accidents (V01-V99, Y85) .....	5.4	4.6	2.1	1.3	7.6	5.7	3.6	6.6	4.9	4.4	14.7	7.8
Motor vehicle acc. (Many codes) <sup>34</sup> .....	4.8	4.6	2.1	1.3	7.6	5.7	3.6	4.8	3.4	4.4	12.6	7.8
Motor veh. traf. (Many codes) <sup>35</sup> .....	4.7	4.6	1.1	1.3	7.6	5.7	3.2	4.8	3.4	4.4	12.6	7.8
Water transport accidents (V90-V94) .....	—	—	—	—	—	—	—	—	—	—	—	—
Air transport accidents (V95-V97) .....	0.1	—	—	—	—	—	—	0.4	—	—	—	—
Nontransport accidents (W00-X59, Y86) .....	29.8	22.8	5.3	0.9	2.8	11.1	17.6	22.5	20.9	18.9	99.7	483.5
Falls (W00-W19) .....	16.7	—	—	—	—	0.8	0.8	1.5	6.1	6.9	80.8	417.0
Firearms (W32-W34) .....	0.1	—	—	—	—	—	0.4	—	—	—	—	—
Drowning & submersion (W65-W74) ..	0.6	—	1.1	0.4	—	0.8	1.2	0.4	0.8	0.6	—	—
Exposure to smoke & fire (X00-X09) ..	1.1	4.6	1.1	—	—	0.8	0.8	1.5	0.8	2.5	2.1	5.9
Poisoning (X40-X49) <sup>36</sup> .....	7.4	—	—	—	2.4	8.0	14.0	17.7	10.2	3.1	2.1	2.0
Suicide (X60-X84, Y87.0) .....	6.7	—	—	1.3	3.6	6.9	11.2	15.1	6.5	6.3	4.2	2.0
Poisoning (X60-X69) .....	2.8	—	—	—	—	2.7	4.4	7.0	3.8	2.5	2.1	2.0
Hanging/suffocation (X70) .....	1.3	—	—	1.3	2.4	0.8	2.8	2.2	0.4	0.6	—	—
Firearm discharge (X72-X74) .....	1.8	—	—	—	1.2	2.7	1.6	4.1	1.9	2.5	2.1	—
Homicide (X85-Y09, Y87.1) .....	1.4	—	2.1	0.9	0.8	1.5	0.8	3.0	0.4	1.9	—	5.9
Firearm discharge (X93-X95) .....	0.8	—	—	0.4	0.4	1.1	0.4	1.8	—	1.9	—	3.9
Legal intervention (Y35, Y89.0) <sup>37</sup> .....	0.1	—	—	—	—	—	0.4	—	—	—	—	—
Undeterm. intent (Y10-Y34, Y87.2, Y89.9) ..	1.8	9.1	—	—	0.4	1.5	2.8	3.7	3.0	1.9	—	2.0
War and its sequelae (Y36, Y89.1) <sup>38</sup> .....	—	—	—	—	—	—	—	—	—	—	—	—
Medical care complications (Y40-Y84, Y88) ..	0.7	—	—	0.4	—	—	—	—	0.4	1.9	5.2	7.8
<i>Injury by firearms (Many codes)<sup>39</sup> .....</i>	2.8	—	—	0.4	1.6	4.2	2.8	5.9	1.9	4.4	2.1	3.9
<i>Alcohol-induced deaths (Many codes)<sup>40,41</sup> .....</i>	9.8	—	—	—	0.4	2.3	9.6	24.0	20.5	13.2	15.7	9.8
<i>Drug-induced deaths (Many codes)<sup>42,43</sup> .....</i>	11.4	—	—	—	2.4	10.3	18.8	27.3	17.1	10.1	5.2	5.9
<i>Injury at work<sup>44</sup> .....</i>	0.1	—	—	—	—	—	—	0.4	—	—	1.0	—

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 Includes uterus, part unspecified.

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

6 Includes immunoproliferative neoplasms.

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

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

9 Includes metabolic diseases.

10 Includes behavioral disorders.

11 In 2005, the National Center for Health Statistics changed the ICD-10 codes to which certain brain disorders were coded. In prior years, "multi-infarct

dementia" was coded to I63.9 (cerebral infarction, unspecified) and "vascular dementia" as I67.9 (cerebrovascular disease, unspecified). Beginning in 2005, "multi-infarct dementia" is assigned to code F01.1 and "vascular dementia" to F01.9. Therefore, certain deaths formerly attributed to the cerebrovascular disease rubric are now counted as forms of organic dementia.

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

12 Includes acute rheumatic fever.

13 The ICD-10 code is I25.0.

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

15 Hypertension with/without Renal Disease.

16 Includes other intracranial hemorrhages.

17 Includes diseases of the arterioles and capillaries.

18 Includes acute bronchiolitis.

19 Formerly chronic obstructive pulmonary disease (COPD).

20 Includes respiratory conditions due to inhalation of chemicals, gases, fumes, and vapors.

21 Includes liver cirrhosis.

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

23 Includes other diseases of the gallbladder.

24 Includes subcutaneous tissues.

25 Includes connective tissue.

26 Includes nephrotic syndrome and nephrosis.

27 Includes acute and rapidly progressive nephritic and nephrotic syndrome.

28 Includes chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified.

29 Inflammatory diseases of female pelvic organs.

30 Includes the puerperium.

31 Includes congenital deformations and chromosomal abnormalities.

32 Includes abnormal clinical and laboratory findings not elsewhere classified.

33 Includes 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.

34 Includes the following ICD-10 codes: V02-V04(.1-.9), V09.2, V12-V14(.3-.9), V19(4-6), V20-V28(.3-9), V29(4-9), V30-V39(4-9), V40-V49(4-9),

V50-V59(4-9), V60-V69(4-9), V70-V79(4-9), V80(.3-5), V81.1, V82.1, V83-V86(0-3), V87(.0-8), V89.2.

35 Includes exposure to noxious substances.

36 Legal intervention is the intentional or unintentional death of a person resulting from the actions of a law enforcement agent. This category 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.

37 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.)

38 Includes accidental, suicidal, homicidal, and undetermined intent gunshot deaths (ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0). Note that injuries

included here are also included in other cause of death categories.

39 Includes: alcoholic mental/behavioral disorders, degeneration of nervous system, polynuropathy, 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.

40 The ICD-10 codes for the above categories are E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, R78.0, X45, X65, and Y15, respectively.

41 Includes a variety of conditions affecting multiple organ systems, such as poisonings/overdoses and mental/behavioral disorders due to substance

use/abuse. Other causes, 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.

42 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.

43 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, 2011

Cause of Death	Total	Month of Death											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total .....	32,731	2,851	2,589	2,976	2,768	2,745	2,591	2,609	2,617	2,487	2,739	2,740	3,019
Malignant neoplasms .....	7,768	666	594	681	640	642	606	644	672	630	690	636	667
Heart disease .....	6,215	554	501	576	537	516	479	490	504	461	498	492	607
Chronic lower respiratory disease .....	2,031	207	178	208	185	183	158	153	141	123	154	175	166
Cerebrovascular disease .....	1,906	149	147	172	170	151	141	149	155	150	162	177	183
Unintentional injuries .....	1,705	142	124	133	111	149	164	163	162	132	144	140	141
Alzheimer's disease .....	1,325	109	87	115	137	116	107	110	100	107	118	107	112
Diabetes mellitus .....	1,114	88	101	95	91	91	90	94	93	88	91	99	93
Alcohol-induced <sup>1,2</sup> .....	644	59	47	51	49	45	48	50	57	51	61	64	62
Suicide .....	639	49	44	65	57	52	52	59	59	57	46	49	50
Hypertension & renal hypertension .....	449	39	34	36	38	42	43	34	27	22	39	38	57
Influenza & pneumonia .....	396	31	34	53	42	40	33	25	22	21	24	22	49
Parkinson's disease .....	349	35	14	37	31	19	32	35	26	26	27	27	40
Nephritis, Nephrotic Syndrome, etc. ....	330	40	15	37	26	34	29	14	23	23	25	35	29
Neoplasms not known to be malign. ....	246	27	28	22	21	18	18	16	23	23	26	9	15
Septicemia .....	203	27	14	28	16	13	19	16	11	12	13	12	22
Viral hepatitis .....	184	19	17	16	15	18	8	9	20	16	14	14	18
Pneumonitis due to solids/liquids .....	162	17	14	22	18	21	12	10	5	8	9	9	17
Aortic aneurysm .....	159	9	11	18	12	14	15	12	11	8	10	15	24
Congenital malformations .....	128	18	10	4	10	7	12	7	7	9	11	19	14
Amyotrophic Lateral Sclerosis .....	117	12	8	11	10	13	6	12	4	6	7	15	13
Perinatal conditions .....	110	15	12	11	5	9	13	6	3	12	12	6	6
Homicide .....	107	8	9	5	11	9	10	10	4	5	12	15	9
Atherosclerosis .....	88	4	9	7	11	6	16	7	9	5	7	3	4
Anemias .....	61	5	4	3	6	6	5	5	4	3	8	10	2
Peptic ulcer .....	55	7	1	5	-	3	7	6	2	4	8	5	7
All other causes .....	6,287	517	533	567	522	530	473	478	479	489	529	551	619

<sup>1</sup> See Table 6-6, footnotes 39-40, for a list of included conditions and their ICD codes.

<sup>2</sup> Alcohol category is not mutually exclusive. Columns may not add to row totals.

- Quantity is 0.

TABLE 6-9. Deaths by Age, Singleton Race and Ethnicity, Oregon Residents, 2011

Race & Ethnicity	Total	Age at Death								
		<1	1-4	5-14	15-19	20-24	25-29	30-34	35-39	40-44
<b>All Races*</b> .....	32,731	210	56	63	103	193	201	263	313	489
Hispanic .....	671	46	11	17	14	14	20	32	14	25
Non-Hispanic .....	32,013	164	45	46	89	179	181	231	299	464
Not Stated <sup>1</sup> .....	47	—	—	—	—	—	—	—	—	—
<b>White Only</b> .....	31,149	167	47	52	83	161	177	225	275	433
Hispanic .....	512	32	9	13	9	10	17	20	12	19
Non-Hispanic .....	30,637	135	38	39	74	151	160	205	263	414
<b>Black Only</b> .....	422	15	1	1	3	6	7	8	11	10
Hispanic .....	3	2	—	—	—	—	—	—	—	—
Non-Hispanic .....	419	13	1	1	3	6	7	8	11	10
<b>American Indian Only</b> .....	298	7	—	—	3	6	4	7	10	19
Hispanic .....	13	2	—	—	—	—	—	3	—	—
Non-Hispanic .....	285	5	—	—	3	6	4	4	10	19
<b>Asian Only<sup>2</sup></b> .....	410	6	1	1	5	8	3	5	6	9
Hispanic .....	4	—	—	1	—	—	—	—	—	—
Non-Hispanic .....	406	6	1	—	5	8	3	5	6	9
<b>HI &amp; Pac. Is. Only<sup>3</sup></b> .....	54	1	—	—	—	4	2	—	2	3
Hispanic .....	2	—	—	—	—	1	—	—	—	—
Non-Hispanic .....	52	1	—	—	—	3	2	—	2	3
<b>Other Races &amp; Unk.</b> .....	196	11	2	3	3	3	4	11	3	8
Hispanic .....	129	10	2	3	3	3	3	9	2	6
Non-Hispanic .....	67	1	—	—	—	—	1	2	1	2
<b>Two or More Races</b> .....	202	3	5	6	6	5	4	7	6	7
Hispanic .....	8	—	—	—	2	—	—	—	—	—
Non-Hispanic .....	194	3	5	6	4	5	4	7	6	7

Race & Ethnicity	Total	Age at Death							
		45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84
<b>All Races*</b> .....	729	1,311	1,821	2,370	2,560	2,779	3,471	4,503	11,293
Hispanic .....	33	35	61	60	49	46	47	53	94
Non-Hispanic .....	693	1,275	1,754	2,297	2,507	2,726	3,419	4,444	11,197
Not Stated <sup>1</sup> .....	3	1	6	13	4	7	5	6	2
<b>White Only</b> .....	661	1,196	1,689	2,223	2,441	2,642	3,328	4,341	11,006
Hispanic .....	25	26	50	46	36	40	34	41	73
Non-Hispanic .....	636	1,170	1,639	2,177	2,405	2,602	3,294	4,300	10,933
<b>Black Only</b> .....	11	27	42	57	38	38	41	34	72
Hispanic .....	—	—	—	1	—	—	—	—	—
Non-Hispanic .....	11	27	42	56	38	38	41	34	72
<b>American Indian Only</b> .....	23	30	25	29	23	33	19	24	36
Hispanic .....	1	1	—	3	1	—	—	—	2
Non-Hispanic .....	22	29	25	26	22	33	19	24	34
<b>Asian Only<sup>2</sup></b> .....	14	20	20	19	30	31	48	63	121
Hispanic .....	—	—	—	—	1	—	—	—	2
Non-Hispanic .....	14	20	20	19	29	31	48	63	119
<b>HI &amp; Pac. Is. Only<sup>3</sup></b> .....	4	3	10	4	3	5	3	5	5
Hispanic .....	—	—	—	—	—	—	—	1	—
Non-Hispanic .....	4	3	10	4	3	5	3	4	5
<b>Other Races &amp; Unk.</b> .....	10	12	20	18	14	14	16	19	24
Hispanic .....	7	7	10	10	10	6	11	10	17
Non-Hispanic .....	3	5	10	8	4	8	5	9	7
<b>Two or More Races</b> .....	6	23	15	20	11	16	16	17	29
Hispanic .....	—	1	1	—	1	—	2	1	—
Non-Hispanic .....	6	22	14	20	10	16	14	16	29

<sup>1</sup> Ethnicity not reported. These cases are included in the "Non-Hispanic" totals for racial categories.

<sup>2</sup> Includes Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, and Other Asian.

<sup>3</sup> Includes Guamanian, Hawaiian, Samoan, and Other Pacific Islander.

— Quantity is zero.

\* Includes unknown age.

**TABLE 6-10. Deaths by Age, Multiple Race and Ethnicity, Oregon Residents, 2011**

Multiple Race & Ethnicity <sup>1</sup>	Total	Age at Death								
		<1	1-4	5-14	15-19	20-24	25-29	30-34	35-39	40-44
<b>All Races*</b> .....	32,731	210	56	63	103	193	201	263	313	489
Hispanic .....	671	46	11	17	14	14	20	32	14	25
Non-Hispanic .....	32,013	164	45	46	89	179	181	231	299	464
Not Stated <sup>2</sup> .....	47	—	—	—	—	—	—	—	—	—
<b>White</b> .....	31,339	170	51	55	89	166	181	231	280	439
Hispanic .....	520	32	9	13	11	10	17	20	12	19
Non-Hispanic .....	30,819	138	42	42	78	156	164	211	268	420
<b>Black</b> .....	445	16	4	5	5	9	7	10	11	12
Hispanic .....	4	2	—	—	1	—	—	—	—	—
Non-Hispanic .....	441	14	4	5	4	9	7	10	11	12
<b>American Indian</b> .....	443	8	1	1	5	7	6	10	15	21
Hispanic .....	19	2	—	—	1	—	—	3	—	—
Non-Hispanic .....	424	6	1	1	4	7	6	7	15	21
<b>Asian</b> <sup>3</sup> .....	447	7	3	5	7	10	5	7	7	12
Hispanic .....	4	—	—	1	—	—	—	—	—	—
Non-Hispanic .....	443	7	3	4	7	10	5	7	7	12
<b>HI &amp; Pacific Islander</b> <sup>4</sup> .....	66	1	—	—	—	4	2	1	3	4
Hispanic .....	3	—	—	—	—	1	—	—	—	—
Non-Hispanic .....	63	1	—	—	—	3	2	1	3	4
<b>Other Races &amp; Unk.</b> .....	213	13	2	6	3	3	5	11	3	9
Hispanic .....	140	11	2	6	3	3	3	9	2	7
Non-Hispanic .....	73	2	—	—	—	—	2	2	1	2

Multiple Race & Ethnicity <sup>1</sup>	Age at Death								
	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
<b>All Races*</b> .....	729	1,311	1,821	2,370	2,560	2,779	3,471	4,503	11,293
Hispanic .....	33	35	61	60	49	46	47	53	94
Non-Hispanic .....	693	1,275	1,754	2,297	2,507	2,726	3,419	4,444	11,197
Not Stated <sup>2</sup> .....	3	1	6	13	4	7	5	6	2
<b>White</b> .....	667	1,216	1,704	2,242	2,452	2,658	3,344	4,358	11,034
Hispanic .....	25	27	51	46	37	40	36	42	73
Non-Hispanic .....	642	1,189	1,653	2,196	2,415	2,618	3,308	4,316	10,961
<b>Black</b> .....	11	30	42	58	39	39	41	34	72
Hispanic .....	—	—	—	1	—	—	—	—	—
Non-Hispanic .....	11	30	42	57	39	39	41	34	72
<b>American Indian</b> .....	27	47	38	44	34	47	33	39	60
Hispanic .....	1	1	1	3	2	—	2	1	2
Non-Hispanic .....	26	46	37	41	32	47	31	38	58
<b>Asian</b> <sup>3</sup> .....	16	24	22	21	30	32	49	65	125
Hispanic .....	—	—	—	—	1	—	—	—	2
Non-Hispanic .....	16	24	22	21	29	32	49	65	123
<b>HI &amp; Pacific Islander</b> <sup>4</sup> .....	5	5	10	7	3	5	4	5	7
Hispanic .....	—	1	—	—	—	—	—	1	—
Non-Hispanic .....	5	4	10	7	3	5	4	4	7
<b>Other Races &amp; Unk.</b> .....	11	12	20	19	16	15	16	23	25
Hispanic .....	8	7	10	11	11	6	11	12	18
Non-Hispanic .....	3	5	10	8	5	9	5	11	7

<sup>1</sup> Race categories will not add up to the total since multiple race selections could be made for each decedent.

<sup>2</sup> Ethnicity not reported. These cases are included in the "Non-Hispanic" totals for racial categories.

<sup>3</sup> Includes Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese and Other Asian.

<sup>4</sup> Includes Guamanian, Hawaiian, Samoan and Other Pacific Islander.

— Quantity is zero.

\* Including unknown age.

TABLE 6-11. Deaths by Cause, Singleton Race and Ethnicity, Oregon Residents, 2011

Selected Causes of Death	Total	Single Mentioned Race						Two or More Races	Hispanic <sup>3</sup>
		White Only	Black Only	Am. Indian Only	Asian Only <sup>1</sup>	HI & Pac. Is. Only <sup>2</sup>	Other & NS.		
Total .....	32,731	30,637	419	285	406	52	67	194	671
Infections & parasitic disease .....	640	576	11	9	12	—	1	8	23
Septicemia .....	203	185	5	1	2	—	1	1	8
Viral hepatitis .....	184	164	2	6	5	—	—	2	5
HIV disease .....	38	28	1	1	1	—	—	1	6
Malignant neoplasms .....	7,768	7,280	107	57	107	10	13	41	153
Colon .....	547	511	8	4	8	—	—	3	13
Pancreas .....	503	475	10	3	5	—	—	1	9
Bronchus & lung .....	2,045	1,939	26	16	23	1	1	15	24
Skin .....	197	194	—	2	—	—	—	—	1
Breast .....	500	464	7	4	8	2	1	5	9
Prostate .....	434	407	7	4	2	—	3	1	10
Kidney & renal pelvis .....	191	180	—	1	2	—	1	2	5
Bladder .....	232	226	1	1	—	1	1	1	1
Lymphatic .....	750	696	12	5	5	—	1	5	26
Non-Hodgkin's lymphoma ....	257	244	3	1	1	—	1	2	5
Leukemia .....	306	283	2	2	3	—	—	3	13
Benign & uncertain neoplasms ....	246	234	2	2	2	—	—	1	5
Diabetes mellitus .....	1,114	997	19	18	21	1	3	11	44
Organic dementia .....	2,022	1,946	21	2	29	1	1	4	18
Parkinson's disease .....	349	333	2	2	3	1	—	1	7
Alzheimer's disease .....	1,325	1,278	13	3	7	—	2	3	19
Diseases of circulatory sys. ....	9,005	8,528	113	64	103	19	13	46	119
Diseases of heart .....	6,215	5,909	73	41	62	10	10	33	77
Ischemic heart disease .....	3,446	3,266	42	24	39	6	7	13	49
Myocardial infarction .....	1,078	1,022	13	10	7	3	3	6	14
Cerebrovascular disease .....	1,906	1,781	21	19	34	9	2	11	29
Subarachnoid hemorrhage ...	77	65	1	2	5	1	—	—	3
Hypertension & hyp. renal dis ..	449	432	8	1	2	—	1	2	3
Aortic aneurysm .....	159	149	—	1	3	—	—	—	6
Influenza & pneumonia .....	396	373	3	4	6	1	—	2	7
Chronic lower respiratory dis. ....	2,031	1,954	19	13	10	3	4	6	22
Diseases of the digestive sys. ....	1,436	1,313	16	34	18	3	3	15	34
Dis. of the genitourinary sys. ....	542	505	8	2	9	1	—	4	13
Nephritis, nephrosis, etc. ....	330	298	7	2	8	1	—	2	12
Perinatal conditions .....	110	73	5	1	3	1	—	2	25
Congenital malformations .....	128	101	4	2	3	—	—	1	17
Sudden infant death syndrome ....	28	18	3	—	1	—	1	1	4
Unintentional injuries .....	1,705	1,537	21	29	21	4	9	17	67
Suicide .....	639	580	5	9	10	—	2	12	21
Homicide .....	107	64	12	2	3	—	1	4	21
Undetermined intent .....	90	81	—	2	—	—	1	2	4
<i>Alcohol-induced</i> <sup>4</sup> .....	644	584	4	25	3	1	3	4	20
<i>Drug-induced</i> <sup>4</sup> .....	592	530	15	11	3	—	3	8	22
<i>Injury by firearms</i> <sup>4</sup> .....	417	371	12	5	4	—	1	6	18

<sup>1</sup> Includes Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, and Other Asian.

<sup>2</sup> Includes Guamanian, Hawaiian, Samoan, and Other Pacific Islander.

<sup>3</sup> Decedents of Hispanic ethnicity may belong to any race but have been removed from all race categories in this table.

<sup>4</sup> See Table 6-6, footnotes 35-39, for a list of included conditions and their ICD codes.

— Quantity is zero.

**TABLE 6-12. Deaths by Cause, Multiple Race and Ethnicity, Oregon Residents, 2011**

Selected Causes of Death	Total <sup>1</sup>	White	Black	Am. Indian	Asian <sup>2</sup>	HI & Pac. Is. <sup>3</sup>	Other & NS	Hispanic <sup>4</sup>
Total .....	32,731	31,339	445	443	447	66	213	671
Infections & parasitic disease .....	640	600	11	16	15	2	5	23
Septicemia .....	203	191	5	3	2	—	3	8
Viral hepatitis .....	184	171	2	8	5	—	—	5
HIV disease .....	38	32	1	2	2	—	2	6
Malignant neoplasms .....	7,768	7,438	110	90	113	11	52	153
Colon .....	547	523	9	6	8	—	4	13
Pancreas .....	503	483	10	4	5	—	2	9
Bronchus & lung .....	2,045	1,973	27	27	26	1	6	24
Skin .....	197	195	—	2	—	—	—	1
Breast .....	500	478	7	7	10	2	1	9
Prostate .....	434	415	7	5	2	—	6	10
Kidney & renal pelvis .....	191	186	—	3	2	—	2	5
Bladder .....	232	228	1	2	—	1	1	1
Lymphatic .....	750	721	13	9	6	—	8	26
Non-Hodgkin's lymphoma ....	257	249	3	3	2	—	3	5
Leukemia .....	306	295	3	4	3	—	5	13
Benign & uncertain neoplasms ....	246	239	2	2	4	—	—	5
Diabetes mellitus .....	1,114	1,041	20	30	23	1	12	44
Organic dementia .....	2,022	1,968	21	7	30	1	1	18
Parkinson's disease .....	349	340	2	2	4	1	1	7
Alzheimer's disease .....	1,325	1,295	13	5	8	—	9	19
Diseases of circulatory sys. ....	9,005	8,666	115	107	108	23	35	119
Diseases of heart .....	6,215	6,004	74	72	65	12	23	77
Ischemic heart disease .....	3,446	3,319	42	38	39	6	16	49
Myocardial infarction .....	1,078	1,040	13	16	7	3	5	14
Cerebrovascular disease .....	1,906	1,812	22	28	36	10	9	29
Subarachnoid hemorrhage ...	77	68	1	2	5	1	—	3
Hypertension & hyp. renal dis ..	449	436	8	3	2	—	2	3
Aortic aneurysm .....	159	155	—	1	3	1	—	6
Influenza & pneumonia .....	396	379	3	5	7	1	3	7
Chronic lower respiratory dis. ....	2,031	1,978	19	20	10	4	7	22
Diseases of the digestive sys. ....	1,436	1,352	17	48	20	5	10	34
Dis. of the genitourinary sys .....	542	522	8	4	11	1	—	13
Nephritis, nephrosis, etc. ....	330	312	7	2	10	1	—	12
Perinatal conditions .....	110	94	5	2	4	1	6	25
Congenital malformations .....	128	114	4	2	4	—	7	17
Sudden infant death syndrome ....	28	21	5	1	1	—	2	4
Unintentional injuries .....	1,705	1,603	29	39	26	6	23	67
Suicide .....	639	608	8	15	14	—	7	21
Homicide .....	107	78	16	2	7	—	8	21
Undetermined intent .....	90	86	—	4	—	—	2	4
<i>Alcohol-induced</i> <sup>5</sup> .....	644	603	5	29	5	1	5	20
<i>Drug-induced</i> <sup>5</sup> .....	592	556	20	16	3	1	5	22
<i>Injury by firearms</i> <sup>5</sup> .....	417	389	13	8	6	—	7	18

<sup>1</sup> Race categories will not add up to the total since multiple race selections could be made for each decedent.

<sup>2</sup> Includes Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, and Other Asian.

<sup>3</sup> Includes Guamanian, Hawaiian, Samoan, and Other Pacific Islander.

<sup>4</sup> Decedents of Hispanic ethnicity may belong to any race. See Table 6-9.

<sup>5</sup> See Table 6-6, footnotes 35-39, for a list of included conditions and their ICD codes.

— Quantity is zero.

**TABLE 6-13. Years of Potential Life Lost before Age 75 from the Leading Causes of Death, by Year, Oregon Residents, 1997-2011**

Year	Total	Cancer	Unintended Injury	Heart Disease	Suicide	Alcohol-induced <sup>1</sup>	Perinatal Conditions	Diabetes	CLRD <sup>2</sup>
1997 .....	211,324	49,280	36,539	30,018	15,429	6,860	7,616	4,724	5,764
1998 .....	215,510	51,412	36,953	29,253	16,486	6,976	5,918	5,362	5,417
1999 .....	207,575	48,693	29,370	30,546	13,915	5,645	8,396	5,546	5,878
2000 .....	206,973	49,688	31,398	27,487	14,317	6,778	7,856	4,839	5,487
2001 .....	211,233	51,244	30,249	27,225	15,023	7,821	8,396	5,852	5,567
2002 .....	222,274	52,637	31,185	28,489	14,455	8,125	8,966	5,929	5,802
2003 .....	225,545	50,810	34,383	28,869	15,585	10,033	8,591	7,237	6,493
2004 .....	221,453	50,892	34,830	26,449	15,294	9,877	8,396	7,497	5,848
2005 .....	224,868	53,166	31,845	26,721	14,874	9,553	10,131	7,585	6,543
2006 .....	231,592	52,025	36,529	26,871	16,158	9,082	9,067	7,590	6,807
2007 .....	234,443	51,747	36,820	27,845	16,266	10,168	10,311	7,551	7,307
2008 .....	231,750	51,479	38,621	27,793	16,342	10,362	8,994	6,621	7,598
2009 .....	230,153	53,568	34,029	25,605	17,158	10,686	8,323	7,530	7,341
2010 .....	224,366	54,941	30,199	23,929	17,963	10,666	7,891	7,292	7,799
2011 .....	230,525	55,353	33,117	24,368	18,023	11,984	8,201	7,831	7,604

Year	Congenital Anomalies	Cerebro-vascular Disease	Homicide <sup>3</sup>	Viral Hepatitis	Undetermined External Causes	Sudden Infant Death Syndrome	Pneumonia & Influenza	Septicemia	HIV Disease
1997 .....	7,155	5,894	5,284	1,141	1,903	2,683	2,396	487	3,201
1998 .....	7,491	6,015	5,511	1,561	1,854	3,353	2,372	1,153	2,372
1999 .....	7,846	5,629	4,804	989	2,146	1,939	1,519	1,656	2,420
2000 .....	6,556	5,276	3,798	1,713	2,040	3,802	1,301	1,446	2,040
2001 .....	6,844	6,011	3,887	1,681	2,663	2,162	1,873	1,240	2,050
2002 .....	7,439	6,012	4,728	2,560	3,592	2,310	2,344	1,423	2,691
2003 .....	6,313	6,108	3,522	2,050	3,575	1,714	1,985	1,309	2,675
2004 .....	6,720	6,221	4,502	2,105	3,284	1,416	1,671	1,481	1,902
2005 .....	5,695	6,274	4,078	1,717	3,370	1,491	2,421	1,658	1,729
2006 .....	6,918	5,737	4,429	1,817	3,390	2,236	1,578	1,429	1,478
2007 .....	6,293	6,339	3,147	3,536	3,691	2,833	1,684	1,709	1,518
2008 .....	6,271	5,135	3,949	2,860	2,693	1,492	2,236	1,839	1,045
2009 .....	4,264	5,714	3,684	3,276	3,004	2,163	3,822	2,096	1,076
2010 .....	5,688	5,206	4,080	3,197	3,432	2,385	1,760	1,660	1,130
2011 .....	5,831	5,709	4,235	3,177	2,437	2,087	1,786	1,581	859

<sup>1</sup> See Table 6-6, footnotes 38-39, for a list of included conditions and their ICD codes. Prior to 1999, figures do not include deaths due to alcohol poisoning.

<sup>2</sup> Chronic Lower Respiratory Disease.

<sup>3</sup> Excludes legal intervention.

**TABLE 6-14. Years of Potential Life Lost by Cause and Sex, Oregon Residents, 2011**

Selected Causes of Death	Before Age 65			Before Age 75			Before Age 85		
	Total	M	F	Total	M	F	Total	M	F
Total .....	120,837	76,033	44,804	230,525	142,588	87,937	405,596	244,006	161,590
Infections & parasitic disease .....	3,801	2,508	1,293	7,331	4,857	2,474	12,034	7,795	4,239
Septicemia .....	792	488	304	1,581	941	640	2,935	1,696	1,239
Viral hepatitis .....	1,504	1,020	484	3,177	2,216	961	4,970	3,475	1,495
HIV disease .....	494	432	62	859	757	102	1,239	1,097	142
Malignant neoplasms .....	21,753	10,922	10,831	55,353	28,698	26,655	109,347	57,265	52,082
Colon .....	1,455	849	606	3,564	2,044	1,520	6,912	3,869	3,043
Pancreas .....	1,309	788	521	3,706	2,110	1,596	7,377	4,081	3,296
Bronchus & lung .....	3,648	1,840	1,808	12,323	6,451	5,872	27,596	14,421	13,175
Skin .....	826	502	324	1,863	1,184	679	3,308	2,129	1,179
Breast .....	2,186	0	2,186	4,907	0	4,907	8,673	6	8,667
Cervical .....	462	–	462	796	–	796	1,196	–	1,196
Uterine .....	324	–	324	866	–	866	1,710	–	1,710
Ovarian .....	684	–	684	1,765	–	1,765	3,370	–	3,370
Prostate .....	217	217	–	1,032	1,032	–	3,015	3,015	–
Kidney & renal pelvis .....	367	228	139	1,270	858	412	2,588	1,760	828
Bladder .....	161	138	23	685	546	139	1,860	1,440	420
Brain .....	1,577	901	676	3,126	1,845	1,281	5,050	3,013	2,037
Lymphatic .....	2,532	1,626	906	5,141	3,388	1,753	9,834	6,434	3,400
Benign & uncertain neoplasms ...	590	382	208	1,288	779	509	2,627	1,535	1,092
Diabetes mellitus .....	3,337	1,996	1,341	7,831	4,828	3,003	14,943	9,065	5,878
Organic dementia .....	188	58	130	710	370	340	3,733	1,718	2,015
Meningitis .....	79	0	79	107	8	99	148	18	130
Amyotrophic lateral sclerosis .....	348	270	78	927	645	282	1,829	1,189	640
Parkinson's disease .....	32	30	2	320	222	98	1,600	1,009	591
Alzheimer's disease .....	69	19	50	451	145	306	2,746	1,022	1,724
Epilepsy .....	436	269	167	632	385	247	849	517	332
Diseases of circulatory system ...	13,763	9,737	4,026	33,624	23,319	10,305	70,756	47,038	23,718
Hypertension .....	520	375	145	1,571	1,050	521	3,491	2,209	1,282
Heart disease .....	10,156	7,505	2,651	24,368	17,774	6,594	50,196	35,306	14,890
Cerebrovascular disease .....	2,253	1,348	905	5,709	3,245	2,464	12,943	6,948	5,995
Arteriosclerosis .....	30	22	8	157	89	68	493	259	234
Aortic aneurysm .....	288	213	75	751	562	189	1,631	1,186	445
Influenza & pneumonia .....	1,031	408	623	1,786	776	1,010	3,147	1,423	1,724
Chronic lower respiratory dis. ....	2,096	1,049	1,047	7,604	3,658	3,946	19,066	9,022	10,044
Pneumonitis due to solids/liq. ....	260	119	141	583	274	309	1,154	592	562
Digestive system disease .....	6,732	3,978	2,754	13,742	8,171	5,571	23,354	13,621	9,733
Genitourinary system disease ....	641	309	332	1,738	828	910	3,901	1,876	2,025
Nephritis, nephrosis, etc. ....	496	256	240	1,235	605	630	2,580	1,306	1,274
Pregnancy & childbirth .....	310	–	310	410	–	410	510	–	510
Congenital malformations .....	4,722	2,104	2,617	5,831	2,580	3,250	7,030	3,114	3,915
Sudden infant death syndrome ...	1,807	903	903	2,087	1,043	1,043	2,367	1,183	1,183
Unintentional injuries .....	22,907	16,125	6,782	33,117	23,266	9,851	44,889	31,293	13,596
Suicide .....	12,465	9,872	2,593	18,023	14,214	3,809	24,039	18,951	5,088
Homicide .....	3,221	2,586	635	4,235	3,380	855	5,275	4,180	1,095
Undetermined intent .....	1,634	936	698	2,437	1,402	1,035	3,282	1,897	1,385
Legal intervention .....	93	70	23	151	118	33	211	168	43
<i>Alcohol-induced</i> .....	6,460	4,355	2,105	11,984	8,283	3,701	18,151	12,646	5,505
<i>Drug-induced</i> .....	11,834	8,014	3,820	17,454	11,558	5,896	23,262	15,191	8,071
<i>Injury by firearms</i> .....	7,882	6,824	1,058	11,332	9,798	1,534	15,159	13,103	2,056

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

**TABLE 6-15. Median Age at Death by Year and Cause, Oregon Residents, 1997-2011**

Year	Total	Alzheimer's Disease	Pneumonia & Influenza	Cerebrovascular Disease	Arteriosclerosis	Parkinson's Disease	Heart Disease	CLRD <sup>1</sup>
1997 .....	78	86	85	83	85	82	80	77
1998 .....	78	86	85	83	85	83	80	77
1999 .....	78	86	86	83	85	83	81	77
2000 .....	78	86	85	84	85	82	81	78
2001 .....	78	86	86	83	85	82	81	78
2002 .....	79	86	86	83	84	83	81	78
2003 .....	78	86	86	84	85	82	81	78
2004 .....	79	86	86	84	85	83	82	78
2005 .....	79	87	85	84	85	83	83	78
2006 .....	79	87	85	83	85	83	82	78
2007 .....	79	87	86	83	84	84	83	78
2008 .....	79	87	85	84	85	83	83	78
2009 .....	79	87	83	84	86	84	83	78
2010 .....	79	88	85	84	85	83	83	78
2011 .....	79	87	85	84	83	83	83	78

Year	Diabetes	Cancer	Unintended Injury	Alcohol-induced <sup>2</sup>	HIV Disease	Suicide	Undetermined External Causes	Homicide <sup>3</sup>
1997 .....	75	73	44	57	41	45	40	30
1998 .....	76	73	44	56	40	44	44	31
1999 .....	75	74	48	55	41	45	39	31
2000 .....	76	74	49	57	41	46	43	36
2001 .....	77	74	52	56	42	44	43	37
2002 .....	77	73	54	55	43	46	44	29
2003 .....	76	74	51	55	45	48	42	34
2004 .....	76	74	52	55	44	47	43	33
2005 .....	76	73	54	56	43	48	42	34
2006 .....	76	74	53	55	44	47	45	36
2007 .....	75	74	53	56	45	48	44	34
2008 .....	75	74	54	56	46	48	45	35
2009 .....	75	73	55	56	51	49	48	40
2010 .....	75	73	60	56	49	49	44	41
2011 .....	75	73	59	56	53	47	47	33

<sup>1</sup> Chronic Lower Respiratory Disease.

<sup>2</sup> See Table 6-6, footnotes 38-39, for a list of included conditions and their ICD codes. Prior to 1999, this category did not include deaths due to alcohol poisoning.

<sup>3</sup> Excludes legal intervention.



**TABLE 6-16. Selected Causes of Death among Infants, Children, and Adolescents, by Age, Oregon Residents Less Than 20 Years Old, 2011**

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
<b>Total</b> .....	432	372	162	115	210	56	31	32	43	60
<b>Total Natural Causes</b> .....	292	277	80	32	197	33	18	16	13	15
Perinatal Conditions .....	109	109	—	—	109	—	—	—	—	—
Congenital Anomalies .....	60	59	14	3	45	7	2	3	2	1
SIDS .....	28	28	—	—	28	—	—	—	—	—
Cancer .....	22	19	18	6	1	5	7	4	2	3
Heart Disease .....	7	5	5	5	—	2	—	1	2	2
Influenza & Pneumonia .....	6	6	4	1	2	1	2	—	1	—
Diarrhea/Gastroenteritis .....	4	4	—	—	4	—	—	—	—	—
Infantile Cerebral Palsy .....	3	3	3	—	—	2	—	1	—	—
Other .....	53	44	36	17	8	16	7	7	6	9
<b>Total External Causes</b> <sup>1</sup> .....	140	95	82	83	13	23	13	16	30	45
<u>Unintentional Injuries</u> .....	86	57	47	49	10	16	9	3	19	29
Motor vehicle .....	44	24	23	31	1	5	5	3	10	20
Suffocation .....	12	12	5	2	7	1	2	—	2	—
Drowning <sup>2</sup> .....	10	8	8	5	—	4	1	—	3	2
Poisoning .....	9	3	3	9	—	—	—	—	3	6
Fire .....	6	6	5	—	1	4	1	—	—	—
Struck by/against .....	2	2	2	—	—	2	—	—	—	—
Fall .....	2	1	1	2	—	—	—	—	1	1
Other .....	1	1	—	—	1	—	—	—	—	—
<u>Suicide</u> .....	26	18	18	22	—	—	—	8	10	8
Firearm .....	12	8	8	10	—	—	—	2	6	4
Suffocation/Hanging .....	12	9	9	10	—	—	—	6	3	3
Cut/pierce .....	1	—	—	1	—	—	—	—	—	1
Poisoning .....	1	1	1	1	—	—	—	—	1	—
<u>Homicide</u> .....	24	16	15	12	1	6	4	4	1	8
Firearm .....	10	4	4	9	—	—	1	2	1	6
Child abuse/neglect <sup>3</sup> .....	3	3	3	—	—	2	1	—	—	—
Suffocation/Strangulation ...	3	3	3	—	—	1	1	1	—	—
Cut/pierce .....	3	1	1	2	—	1	—	—	—	2
Fire .....	1	1	1	—	—	—	1	—	—	—
Other .....	4	4	3	1	1	2	—	1	—	—
<u>Undetermined Intent</u> .....	3	3	1	—	2	1	—	—	—	—
Suffocation .....	2	2	—	—	2	—	—	—	—	—
Other .....	1	1	1	—	—	1	—	—	—	—
<i>Gunshot (any manner)</i> .....	22	12	12	19	—	—	1	4	7	10
<i>Drug-induced</i> <sup>4</sup> .....	11	4	4	11	—	—	—	—	4	7

<sup>1</sup> Includes deaths resulting from complications of medical and surgical care (Y40-Y84, Y88).

<sup>2</sup> Includes drownings that involved watercraft (V90, V92), as well as those that did not (W65-W74).

<sup>3</sup> Abuse and neglect deaths are underreported on death certificates.

<sup>4</sup> Includes any manner of overdose, as well as deaths resulting from substance abuse by mothers during pregnancy (O35.4, P04.3), cause codes not included in the drug-induced or alcohol-induced categories elsewhere in this report.

— Quantity is zero.

**TABLE 6-17. Deaths Due to Alcohol or Drugs by Sex, Age, Race/Ethnicity, and Educational Attainment, Oregon Residents, 2011**

Demographic Characteristics	Total		Chronic Alcoholic Liver Disease		Other Alcohol-induced		Opioid Use		Other Drug-induced		Unintended Injuries		Suicides		Undetermined Intent	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
<b>Total</b> .....	1,236	100	398	100	205	100	10	100	63	100	417	100	90	100	53	100
<b>Sex</b>																
Male .....	822	67	265	67	161	79	8	80	43	68	274	66	42	47	29	55
Female .....	414	33	133	33	44	21	2	20	20	32	143	34	48	53	24	45
<b>Age</b>																
15-17 .....	4	<0.5	-	-	-	-	-	-	-	-	3	1	1	1	-	-
18-19 .....	7	1	-	-	-	-	-	-	1	2	6	1	-	-	-	-
20-24 .....	38	3	3	1	1	<0.5	3	30	2	3	25	6	4	4	-	-
25-29 .....	54	4	2	1	2	1	-	2	1	2	42	10	1	1	6	11
30-34 .....	63	5	6	2	2	1	1	10	2	3	44	11	8	9	-	-
35-44 .....	192	16	46	12	15	7	2	20	4	6	95	23	17	19	13	25
45-54 .....	339	27	122	31	54	26	1	10	8	13	112	27	25	28	17	32
55-64 .....	348	28	145	36	66	32	2	20	28	44	75	18	21	23	11	21
65-74 .....	119	10	49	12	35	17	1	10	10	16	11	3	9	10	4	8
75-84 .....	53	4	25	6	18	9	-	-	4	6	3	1	2	2	1	2
85+ .....	19	2	-	-	12	6	-	-	3	5	1	<0.5	2	2	1	2
<b>Race/Ethnicity</b>																
White Only .....	1,114	90	353	89	197	96	9	90	56	89	366	88	85	94	48	91
Black Only .....	19	2	3	1	1	<0.5	-	-	4	6	11	3	-	-	-	-
Am. Indian Only .....	36	3	19	5	3	1	-	-	-	-	11	3	1	1	2	4
Asian Only .....	6	<0.5	2	1	1	<0.5	-	-	1	2	2	<0.5	-	-	-	-
HI & Pac. Is. Only .....	1	<0.5	-	-	-	-	-	-	-	-	1	<0.5	-	-	-	-
Other & NS. ....	6	<0.5	-	-	2	1	-	-	1	2	2	<0.5	-	-	1	2
Two or More Races .....	12	1	4	1	-	-	-	-	-	-	6	1	-	-	2	4
Hispanic <sup>1</sup> .....	42	3	17	4	1	<0.5	1	10	1	2	18	4	4	4	-	-
<b>Years of Education</b>																
<12 Years .....	196	16	59	15	32	16	3	30	15	24	65	16	11	12	11	21
HS Graduate - GED .....	531	43	173	43	87	42	4	40	25	40	191	46	32	36	19	36
Some College .....	324	26	107	27	49	24	3	30	13	21	114	27	27	30	11	21
Bachelor Degree .....	100	8	33	8	20	10	-	-	3	5	27	6	10	11	7	13
Master Degree .....	33	3	12	3	5	2	-	-	2	3	4	1	7	8	3	6
Doc. or Pro. Degree .....	7	1	3	1	1	<0.5	-	-	-	-	1	<0.5	2	2	-	-
Not Stated .....	45	4	11	3	11	5	-	-	5	8	15	4	1	1	2	4

<sup>1</sup> Decedents of Hispanic ethnicity may belong to any race but have been removed from all race categories in this table. Note: Please see the footnote at the bottom of Table 6-18.

TABLE 6-18. Deaths Due to Alcohol or Drugs by County of Residence, Oregon, 2011

County of Residence	Total		Chronic Alcoholic Liver Disease		Other Alcohol-induced		Opioid Use		Other Drug-induced		Unintended Injuries		Suicides		Undetermined Intent	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Total	1,236	100	398	100	205	100	10	100	63	100	417	100	90	100	53	100
Baker	9	1	3	1	-	-	-	-	-	-	4	1	2	2	-	-
Benton	20	2	5	1	4	2	-	-	-	-	8	2	2	2	1	2
Clackamas	102	8	32	8	13	6	1	10	6	10	36	9	8	9	6	11
Clatsop	21	2	5	1	4	2	-	-	1	2	10	2	-	-	1	2
Columbia	16	1	4	1	5	2	-	-	1	2	5	1	1	1	-	-
Coos	30	2	11	3	6	3	-	-	2	3	7	2	2	2	2	4
Crook	5	<0.5	3	1	-	-	-	-	1	2	1	<0.5	-	-	-	-
Curry	8	1	2	1	1	<0.5	-	-	1	2	3	1	-	-	1	2
Deschutes	52	4	25	6	7	3	-	-	-	-	14	3	6	7	-	-
Douglas	38	3	13	3	5	2	2	20	2	3	8	2	5	6	3	6
Grant	1	<0.5	-	-	1	<0.5	-	-	-	-	-	-	-	-	-	-
Harney	3	<0.5	2	1	1	<0.5	-	-	-	-	-	-	-	-	-	-
Hood River	3	<0.5	2	1	-	-	-	-	-	-	1	<0.5	-	-	-	-
Jackson	77	6	32	8	8	4	-	-	5	8	24	6	6	7	2	4
Jefferson	17	1	12	3	2	1	-	-	-	-	2	<0.5	1	1	-	-
Josephine	37	3	11	3	9	4	-	-	4	6	5	1	-	-	8	15
Klamath	34	3	13	3	6	3	-	-	2	3	7	2	4	4	2	4
Lake	2	<0.5	-	-	-	-	-	-	1	2	-	-	1	1	-	-
Lane	124	10	39	10	27	13	-	-	5	8	39	9	10	11	4	8
Lincoln	17	1	9	2	2	1	-	-	1	2	4	1	1	1	-	-
Linn	40	3	7	2	5	2	-	-	2	3	21	5	3	3	2	4
Malheur	8	1	3	1	-	-	-	-	1	2	4	1	-	-	-	-
Marion	92	7	34	9	17	8	2	20	2	3	29	7	5	3	6	6
Morrow	3	<0.5	-	-	1	<0.5	-	-	2	3	-	-	-	-	-	-
Multnomah	276	22	61	15	43	21	4	40	19	30	126	30	16	18	7	13
Polk	17	1	9	2	2	1	-	-	1	2	4	1	1	1	-	-
Sherman	1	<0.5	1	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
Tillamook	14	1	7	2	2	1	-	-	-	-	4	1	-	-	1	2
Umatilla	13	1	6	2	-	-	-	-	-	-	4	1	-	-	3	6
Union	5	<0.5	2	1	3	1	-	-	-	-	-	-	-	-	-	-
Wallowa	2	<0.5	1	<0.5	1	<0.5	-	-	-	-	-	-	-	-	-	-
Wasco	7	1	3	1	-	-	-	-	1	2	2	<0.5	1	1	-	-
Washington	113	9	32	8	25	12	1	10	3	5	32	8	14	16	6	11
Yamhill	28	2	9	2	4	2	-	-	-	-	13	3	1	1	1	2
Unknown	1	<0.5	-	-	1	<0.5	-	-	-	-	-	-	-	-	-	-

Note: \*See Table 6-6, footnotes 36-39, 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

**TABLE 6-19. Tobacco-linked Deaths by Sex, Age, and Education, Oregon Residents, 2011**

Sex, Age, and Education	Total	Linked <sup>1</sup>		Not Linked		Unknown	
		Number	Percent	Number	Percent	Number	Percent
<b>Both Sexes</b>							
Total .....	32,731	7,337	22.4	18,223	55.7	7,171	21.9
<25 <sup>2</sup> .....	625	—	—	588	94.1	37	5.9
25-34 .....	464	15	3.2	402	86.6	47	10.1
35-44 .....	802	80	10.0	583	72.7	139	17.3
45-54 .....	2,040	488	23.9	1,109	54.4	443	21.7
55-64 .....	4,191	1,349	32.2	1,919	45.8	923	22.0
65-74 .....	5,339	1,918	35.9	2,237	41.9	1,184	22.2
75-84 .....	7,974	2,192	27.5	3,956	49.6	1,826	22.9
85-94 .....	9,334	1,210	13.0	5,959	63.8	2,165	23.2
95+ .....	1,959	85	4.3	1,469	75.0	405	20.7
Median .....	79	74	~	81	~	80	~
<b>Male</b>							
Total .....	16,449	4,256	25.9	8,398	51.1	3,795	23.1
<25 <sup>2</sup> .....	411	—	—	390	94.9	21	5.1
25-34 .....	322	8	2.5	278	86.3	36	11.2
35-44 .....	511	50	9.8	369	72.2	92	18.0
45-54 .....	1,195	305	25.5	626	52.4	264	22.1
55-64 .....	2,579	862	33.4	1,133	43.9	584	22.6
65-74 .....	3,043	1,134	37.3	1,176	38.6	733	24.1
75-84 .....	4,032	1,183	29.3	1,852	45.9	997	24.7
85-94 .....	3,830	668	17.4	2,209	57.7	953	24.9
95+ .....	525	46	8.8	364	69.3	115	21.9
Median .....	75	73	~	76	~	76	~
<b>Female</b>							
Total .....	16,282	3,081	18.9	9,825	60.3	3,376	20.7
<25 <sup>2</sup> .....	214	—	—	198	92.5	16	7.5
25-34 .....	142	7	4.9	124	87.3	11	7.7
35-44 .....	291	30	10.3	214	73.5	47	16.2
45-54 .....	845	183	21.7	483	57.2	179	21.2
55-64 .....	1,612	487	30.2	786	48.8	339	21.0
65-74 .....	2,296	784	34.1	1,061	46.2	451	19.6
75-84 .....	3,942	1,009	25.6	2,104	53.4	829	21.0
85-94 .....	5,504	542	9.8	3,750	68.1	1,212	22.0
95+ .....	1,434	39	2.7	1,105	77.1	290	20.2
Median .....	82	75	~	84	~	83	~
<b>Years of Education<sup>3</sup></b>							
8th grade or less .....	2,524	565	22.4	1,367	54.2	592	23.5
9th-12th, no diploma ....	3,234	1,001	31.0	1,485	45.9	748	23.1
HS grad or GED .....	13,078	3,241	24.8	6,869	52.5	2,968	22.7
College, no degree .....	5,791	1,271	21.9	3,302	57.0	1,218	21.0
Associate degree .....	1,752	371	21.2	998	57.0	383	21.9
Bachelor degree .....	3,407	529	15.5	2,160	63.4	718	21.1
Master degree .....	1,284	175	13.6	851	66.3	258	20.1
Doc/Prof degree .....	551	61	11.1	384	69.7	106	19.2
Not stated .....	482	123	25.5	218	45.2	141	29.3

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

<sup>2</sup> The number of infant deaths due to exposure to tobacco combustion products is underreported.

<sup>3</sup> Excludes decedents under 25 years of age.

— Quantity is zero.

**TABLE 6-20. Tobacco-linked Deaths by Cause of Death, Oregon Residents, 2011**

Selected Causes of Death (and their ICD-10 codes)	Total	Linked <sup>1</sup>		Not Linked		Unknown	
		Number	Percent	Number	Percent	Number	Percent
Total <sup>2</sup> .....	32,731	7,337	22.4	18,223	55.7	7,171	21.9
Malignant Neoplasms .....	3,598	1,963	54.6	1,050	29.2	585	16.3
Oral cavity, lip, pharynx (C00.0-C14.8) .....	107	61	57.0	26	24.3	20	18.7
Esophagus (C15) .....	190	77	40.5	66	34.7	47	24.7
Stomach (C16) .....	113	13	11.5	72	63.7	28	24.8
Pancreas (C25) .....	503	44	8.7	344	68.4	115	22.9
Larynx (C32) .....	33	29	87.9	2	6.1	2	6.1
Lung, bronchi, and trachea (C33-C34) .....	2,046	1,634	79.9	195	9.5	217	10.6
Cervix uteri (C53) .....	53	7	13.2	38	71.7	8	15.1
Kidney, other urinary tract (C64-C65) .....	191	18	9.4	120	62.8	53	27.7
Urinary bladder (C67) .....	232	74	31.9	87	37.5	71	30.6
Acute Myeloid Leukemia (C92.0) .....	130	6	4.6	100	76.9	24	18.5
Cardiovascular Disease .....	8,209	1,862	22.7	4,117	50.2	2,230	27.2
Ischemic heart disease (I20-I25) .....	3,446	1,089	31.6	1,445	41.9	912	26.5
Other heart disease (I00-I09, I26-I51) .....	2,484	357	14.4	1,500	60.4	627	25.2
Cerebrovascular disease (I60-I69) .....	1,906	277	14.5	1,024	53.7	605	31.7
Atherosclerosis (I70) .....	88	33	37.5	43	48.9	12	13.6
Aortic aneurysm (I71) .....	159	54	34.0	59	37.1	46	28.9
Other arterial disease (I72-I78) .....	126	52	41.3	46	36.5	28	22.2
Respiratory Diseases .....	2,365	1,662	70.3	377	15.9	326	13.8
Pneumonia and influenza (J09-J18) .....	396	44	11.1	242	61.1	110	27.8
Bronchitis and emphysema (J40-J43) .....	179	162	90.5	7	3.9	10	5.6
Other chronic airways obstruction (J44) .....	1,790	1,456	81.3	128	7.2	206	11.5
Perinatal Conditions <sup>3</sup> .....	67	—	—	60	89.6	7	10.4
Selected Perinatal Conditions <sup>4</sup> .....	39	—	—	34	87.2	5	12.8
Sudden Infant Death Syndrome (R95) .....	28	—	—	26	92.9	2	7.1
Other causes .....	18,492	1,850	10.0	12,619	68.2	4,023	21.8

<sup>1</sup> The Oregon death certificate asks 'Did tobacco use contribute to death?' This is followed by four checkboxes:

'Yes,' 'No,' 'Probably,' and 'Unknown.' The linked category includes deaths listed as 'Yes' or 'Probably.'

<sup>2</sup> The causes of death shown in this table are those linked to tobacco use by the federal Centers for Disease Control and Prevention (CDC. Annual Smoking-Attributable Mortality, Years of Potential Life Lost, and Productivity Losses -- United States, 1997-2001. MMWR 2005; 54:625-628.).

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

<sup>4</sup> The category includes the following conditions: 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 period (P25-P28).

— Quantity is zero.

**TABLE 6-21. Tobacco-linked Deaths by County of Residence, Oregon, 2011**

County of Residence	Total	Linked <sup>1</sup>		Not Linked		Unknown	
		Number	Percent	Number	Percent	Number	Percent
Total .....	32,730	7,337	22.4	18,222	55.7	7,171	21.9
Baker .....	197	51	25.9	119	60.4	27	13.7
Benton .....	555	102	18.4	351	63.2	102	18.4
Clackamas .....	2,987	610	20.4	1,786	59.8	591	19.8
Clatsop .....	364	76	20.9	194	53.3	94	25.8
Columbia .....	428	102	23.8	223	52.1	103	24.1
Coos .....	862	227	26.3	446	51.7	189	21.9
Crook .....	227	83	36.6	89	39.2	55	24.2
Curry .....	337	78	23.1	154	45.7	105	31.2
Deschutes .....	1,255	239	19.0	730	58.2	286	22.8
Douglas .....	1,401	330	23.6	738	52.7	333	23.8
Gilliam .....	19	7	36.8	8	42.1	4	21.1
Grant .....	87	25	28.7	50	57.5	12	13.8
Harney .....	83	15	18.1	55	66.3	13	15.7
Hood River .....	184	34	18.5	115	62.5	35	19.0
Jackson .....	2,126	418	19.7	1,152	54.2	556	26.2
Jefferson .....	190	41	21.6	104	54.7	45	23.7
Josephine .....	1,264	309	24.4	644	50.9	311	24.6
Klamath .....	705	201	28.5	333	47.2	171	24.3
Lake .....	76	16	21.1	53	69.7	7	9.2
Lane .....	3,279	769	23.5	1,629	49.7	881	26.9
Lincoln .....	586	179	30.5	302	51.5	105	17.9
Linn .....	1,142	300	26.3	606	53.1	236	20.7
Malheur .....	317	76	24.0	162	51.1	79	24.9
Marion .....	2,527	586	23.2	1,385	54.8	556	22.0
Morrow .....	80	24	30.0	32	40.0	24	30.0
Multnomah .....	5,436	1,237	22.8	3,111	57.2	1,088	20.0
Polk .....	605	122	20.2	353	58.3	130	21.5
Sherman .....	11	2	18.2	6	54.5	3	27.3
Tillamook .....	272	77	28.3	146	53.7	49	18.0
Umatilla .....	636	145	22.8	324	50.9	167	26.3
Union .....	273	67	24.5	146	53.5	60	22.0
Wallowa .....	90	19	21.1	55	61.1	16	17.8
Wasco .....	312	72	23.1	166	53.2	74	23.7
Washington .....	2,917	501	17.2	1,893	64.9	523	17.9
Wheeler .....	21	7	33.3	8	38.1	6	28.6
Yamhill .....	871	188	21.6	553	63.5	130	14.9
Unknown .....	8	2	25.0	1	12.5	5	62.5

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

**TABLE 6-22. Selected Causes of Death among Males, by Veteran Status and Age, Oregon Residents Age 18 Years and Older, 2011**

Selected Causes of Death	All Males, Age 18+		Male Veteran Age Groups <sup>2</sup>									
			Total (18+)		18-34		35-54		55-74		75+	
	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
<b>Total</b> .....	16,241	1109.0	9,097	3012.7	26	119.3	278	406.2	2,620	1831.5	6,173	8990.8
Infections & parasitic disease .....	367	25.1	175	58.0	—	—	13	19.0	77	53.8	85	123.8
Septicemia .....	106	7.2	54	17.9	—	—	2	2.9	13	9.1	39	56.8
Viral hepatitis .....	127	8.7	50	16.6	—	—	9	13.1	40	28.0	1	1.5
HIV disease .....	34	2.3	9	3.0	—	—	1	1.5	8	5.6	—	—
Malignant neoplasms .....	4,036	275.6	2,346	776.9	2	9.2	58	84.7	953	666.2	1,333	1941.5
Colon .....	270	18.4	143	47.4	—	—	2	2.9	47	32.9	94	136.9
Pancreas .....	255	17.4	138	45.7	—	—	1	1.5	65	45.4	72	104.9
Bronchus & lung .....	1,047	71.5	659	218.2	—	—	20	29.2	314	219.5	325	473.4
Skin .....	128	8.7	70	23.2	—	—	4	5.8	28	19.6	38	55.3
Breast .....	3	0.2	3	1.0	—	—	—	—	—	—	3	4.4
Prostate .....	434	29.6	281	93.1	—	—	2	2.9	54	37.7	225	327.7
Kidney & renal pelvis .....	124	8.5	73	24.2	—	—	1	1.5	33	23.1	39	56.8
Bladder .....	176	12.0	122	40.4	—	—	1	1.5	37	25.9	84	122.3
Brain .....	131	8.9	50	16.6	1	4.6	4	5.8	32	22.4	13	18.9
Lymphatic .....	450	30.7	242	80.1	—	—	7	10.2	76	53.1	159	231.6
Non-Hodgkin's lymphoma .....	147	10.0	82	27.2	—	—	3	4.4	24	16.8	55	80.1
Leukemia .....	189	12.9	100	33.1	—	—	2	2.9	29	20.3	69	100.5
Benign & uncertain neoplasms .....	119	8.1	75	24.8	—	—	1	1.5	25	17.5	49	71.4
Diabetes mellitus .....	603	41.2	307	101.7	—	—	10	14.6	124	86.7	173	252.0
Organic dementia .....	684	46.7	485	160.6	—	—	1	1.5	26	18.2	458	667.1
Parkinson's disease .....	208	14.2	136	45.0	—	—	—	—	15	10.5	121	176.2
Alzheimer's disease .....	393	26.8	288	95.4	—	—	—	—	8	5.6	280	407.8
Diseases of circulatory sys. ....	4,554	311.0	2,774	918.7	1	4.6	44	64.3	650	454.4	2,079	3028.0
Heart disease .....	3,357	229.2	2,029	672.0	1	4.6	34	49.7	480	335.5	1,514	2205.1
Ischemic heart disease .....	2,145	146.5	1,280	423.9	—	—	27	39.4	354	247.5	899	1309.4
Cerebrovascular disease .....	775	52.9	517	171.2	—	—	8	11.7	112	78.3	397	578.2
Intracerebral hemorrhage .....	157	10.7	95	31.5	—	—	3	4.4	31	21.7	61	88.8
Cerebral infarction .....	33	2.3	20	6.6	—	—	—	—	6	4.2	14	20.4
Stroke, unspecified type .....	402	27.4	282	93.4	—	—	2	2.9	56	39.1	224	326.3
Hypertension & hyp. renal dis. ....	193	13.2	100	33.1	—	—	1	1.5	29	20.3	70	102.0
Aortic aneurysm .....	95	6.5	51	16.9	—	—	—	—	16	11.2	35	51.0
Influenza & pneumonia .....	193	13.2	117	38.7	—	—	1	1.5	12	8.4	104	151.5
Chronic lower respiratory dis. ....	949	64.8	615	203.7	—	—	4	5.8	165	115.3	446	649.6
Diseases of digestive sys. ....	743	50.7	344	113.9	1	4.6	26	38.0	131	91.6	186	270.9
Dis. of genitourinary sys. ....	242	16.5	153	50.7	—	—	1	1.5	29	20.3	123	179.1
Nephritis .....	166	11.3	106	35.1	—	—	1	1.5	22	15.4	83	120.9
Congenital malformations .....	28	1.9	4	1.3	—	—	—	—	3	2.1	1	1.5
Unintentional injuries .....	984	67.2	330	109.3	12	55.1	35	51.1	93	65.0	190	276.7
Suicide .....	494	33.7	144	47.7	9	41.3	44	64.3	52	36.3	39	56.8
Homicide .....	68	4.6	7	2.3	—	—	2	2.9	5	3.5	—	—
Undetermined intent .....	52	3.6	12	4.0	—	—	4	5.8	4	2.8	4	5.8
<i>Alcohol-induced</i> <sup>3</sup> .....	453	30.9	144	47.7	1	4.6	30	43.8	87	60.8	26	37.9
<i>Drug-induced</i> <sup>3</sup> .....	366	25.0	67	22.2	6	27.5	22	32.1	33	23.1	6	8.7
<i>Injury by firearms</i> <sup>3</sup> .....	352	24.0	118	39.1	7	32.1	33	48.2	40	28.0	38	55.3

<sup>1</sup> Rates per 100,000 population. Rates were calculated using population tables from Portland State University (Appendix A) and the United States Department of Veteran Affairs (<http://www1.va.gov/VETDATA/docs/Demographics/11.xls>). WARNING: Rates based on less than five events are unreliable.

<sup>2</sup> Excludes blank and unknown veteran status.

<sup>3</sup> See table 6-6, footnotes 37-41, for a list of included conditions and their ICD codes.

— Quantity is zero.

**TABLE 6-22. Selected Causes of Death among Males, by Veteran Status and Age, Oregon Residents Age 18 Years and Older, 2011 — Continued**

Selected Causes of Death	Male Non-Veteran Age Groups <sup>2</sup>									
	Total (18+)		18-34		35-54		55-74		75+	
	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
<b>Total</b> .....	7,010	603.0	498	116.8	1,417	313.8	2,925	1159.5	2,170	6723.7
Infections & parasitic disease .....	186	16.0	9	2.1	59	13.1	91	36.1	27	83.7
Septicemia .....	49	4.2	3	0.7	8	1.8	27	10.7	11	34.1
Viral hepatitis .....	74	6.4	—	—	29	6.4	43	17.0	2	6.2
HIV disease .....	25	2.2	2	0.5	16	3.5	7	2.8	—	—
Malignant neoplasms .....	1,666	143.3	26	6.1	271	60.0	924	366.3	445	1378.8
Colon .....	125	10.8	—	—	32	7.1	62	24.6	31	96.1
Pancreas .....	115	9.9	1	0.2	25	5.5	73	28.9	16	49.6
Bronchus & lung .....	382	32.9	—	—	41	9.1	240	95.1	101	312.9
Skin .....	58	5.0	4	0.9	11	2.4	34	13.5	9	27.9
Breast .....	—	—	—	—	—	—	—	—	—	—
Prostate .....	151	13.0	—	—	2	0.4	59	23.4	90	278.9
Kidney & renal pelvis .....	50	4.3	—	—	7	1.6	34	13.5	9	27.9
Bladder .....	53	4.6	—	—	2	0.4	23	9.1	28	86.8
Brain .....	80	6.9	4	0.9	24	5.3	43	17.0	9	27.9
Lymphatic .....	205	17.6	9	2.1	35	7.8	96	38.1	65	201.4
Non-Hodgkin's lymphoma .....	65	5.6	1	0.2	12	2.7	27	10.7	25	77.5
Leukemia .....	87	7.5	7	1.6	13	2.9	38	15.1	29	89.9
Benign & uncertain neoplasms .....	43	3.7	2	0.5	3	0.7	20	7.9	18	55.8
Diabetes mellitus .....	292	25.1	6	1.4	57	12.6	140	55.5	89	275.8
Organic dementia .....	196	16.9	—	—	1	0.2	30	11.9	165	511.2
Parkinson's disease .....	68	5.8	—	—	1	0.2	19	7.5	48	148.7
Alzheimer's disease .....	103	8.9	—	—	—	—	14	5.5	89	275.8
Diseases of circulatory sys. ....	1,751	150.6	37	8.7	274	60.7	719	285.0	721	2234.0
Heart disease .....	1,310	112.7	27	6.3	216	47.8	531	210.5	536	1660.8
Ischemic heart disease .....	854	73.5	7	1.6	161	35.7	388	153.8	298	923.3
Cerebrovascular disease .....	249	21.4	7	1.6	34	7.5	92	36.5	116	359.4
Intracerebral hemorrhage .....	60	5.2	4	0.9	11	2.4	26	10.3	19	58.9
Cerebral infarction .....	13	1.1	—	—	3	0.7	5	2.0	5	15.5
Stroke, unspecified type .....	113	9.7	—	—	12	2.7	39	15.5	62	192.1
Hypertension & hyp. renal dis. ....	92	7.9	—	—	12	2.7	43	17.0	37	114.6
Aortic aneurysm .....	44	3.8	2	0.5	4	0.9	26	10.3	12	37.2
Influenza & pneumonia .....	73	6.3	1	0.2	9	2.0	16	6.3	47	145.6
Chronic lower respiratory dis. ....	325	28.0	1	0.2	21	4.7	166	65.8	137	424.5
Diseases of digestive sys. ....	388	33.4	7	1.6	122	27.0	180	71.4	79	244.8
Dis. of genitourinary sys. ....	87	7.5	1	0.2	9	2.0	32	12.7	45	139.4
Nephritis .....	58	5.0	1	0.2	7	1.6	19	7.5	31	96.1
Congenital malformations .....	24	2.1	7	1.6	9	2.0	6	2.4	2	6.2
Unintentional injuries .....	643	55.3	190	44.6	235	52.0	143	56.7	75	232.4
Suicide .....	349	30.0	122	28.6	137	30.3	77	30.5	13	40.3
Homicide .....	60	5.2	36	8.4	18	4.0	6	2.4	—	—
Undetermined intent .....	40	3.4	7	1.6	23	5.1	9	3.6	1	3.1
<i>Alcohol-induced</i> <sup>β</sup> .....	297	25.5	11	2.6	135	29.9	143	56.7	8	24.8
<i>Drug-induced</i> <sup>β</sup> .....	294	25.3	105	24.6	131	29.0	56	22.2	2	6.2
<i>Injury by firearms</i> <sup>3</sup> .....	234	20.1	88	20.6	79	17.5	57	22.6	10	31.0

<sup>1</sup> Rates per 100,000 population. Rates were calculated using population tables from Portland State University (Appendix A) and the United States Department of Veteran Affairs (<http://www1.va.gov/VETDATA/docs/Demographics/11.xls>). WARNING: Rates based on less than five events are unreliable.

<sup>2</sup> Excludes blank and unknown veteran status.

<sup>3</sup> See table 6-6, footnotes 37-41, for a list of included conditions and their ICD codes.

— Quantity is zero.



**TABLE 6-23. Injury Deaths by Intent, Mechanism of Injury, and Age, Oregon Residents, 2011**

	Total	Age at Death												
		<1	1-4	5-9	10-14	15-17	18-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
<b>Total External<sup>1</sup></b> .....	2,579	13	23	13	16	30	45	139	298	326	406	351	208	709
Cut/pierce .....	32	—	1	—	—	—	3	3	6	5	3	5	4	2
Drowning .....	76	—	4	1	—	3	2	6	13	14	8	15	5	4
Fall .....	608	—	—	—	—	1	1	4	8	16	14	41	41	482
Fire/hot object or substance .....	46	1	4	2	—	—	—	—	5	5	8	7	7	7
Firearm .....	417	—	—	1	4	7	10	36	63	68	67	60	49	52
Machinery .....	4	—	—	—	—	—	—	1	—	1	—	—	1	1
All transport <sup>2</sup> .....	393	1	5	5	3	10	20	41	48	38	73	61	39	49
Motor vehicle traffic .....	339	1	2	5	3	8	20	38	43	29	59	52	34	45
Other land transport <sup>3</sup> .....	39	—	3	—	—	2	—	2	3	7	9	7	3	3
Other transport .....	15	—	—	—	—	—	—	1	2	2	5	2	2	1
Natural/environmental .....	13	1	—	—	—	—	—	—	1	1	4	2	2	2
Poisoning .....	596	—	—	—	—	4	6	30	106	132	165	116	24	13
Struck by or against .....	23	—	2	—	—	—	—	1	2	2	6	6	1	3
Suffocation .....	218	9	2	3	7	5	3	16	36	35	36	18	15	33
Other and unspecified .....	121	1	5	1	1	—	—	1	10	8	20	17	12	44
Medical care complications .....	32	—	—	—	1	—	—	—	—	1	2	3	8	17
<b>Unintentional</b> .....	1,705	10	16	9	3	19	29	80	161	164	239	222	126	626
Cut/pierce .....	1	—	—	—	—	—	—	—	1	—	—	—	—	—
Drowning .....	56	—	4	1	—	3	2	6	8	7	6	11	4	4
Fall .....	590	—	—	—	—	1	1	4	4	8	12	38	40	482
Fire/hot object or substance .....	42	1	4	1	—	—	—	—	4	5	7	6	7	7
Firearm .....	8	—	—	—	—	—	—	1	—	4	2	1	—	—
Machinery .....	4	—	—	—	—	—	—	1	—	1	—	—	1	1
All transport <sup>2</sup> .....	391	1	5	5	3	10	20	41	48	38	71	61	39	49
Motor vehicle traffic .....	339	1	2	5	3	8	20	38	43	29	59	52	34	45
Other land transport <sup>3</sup> .....	37	—	3	—	—	2	—	2	3	7	7	7	3	3
Other transport .....	15	—	—	—	—	—	—	1	2	2	5	2	2	1
Natural/environmental .....	13	1	—	—	—	—	—	—	1	1	4	2	2	2
Poisoning .....	428	—	—	—	—	3	6	25	87	97	116	78	11	5
Struck by or against .....	21	—	2	—	—	—	—	1	2	1	5	6	1	3
Suffocation .....	69	7	1	2	—	2	—	—	2	1	5	8	9	32
Other and unspecified .....	82	—	—	—	—	—	—	1	4	1	11	11	12	41

See footnotes at end of table.

TABLE 6-23. Injury Deaths by Intent, Mechanism of Injury, and Age, Oregon Residents, 2011 — Continued

	Total	Age at Death												
		<1	1-4	5-9	10-14	15-17	18-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
<b>Suicide</b> .....	639	—	—	—	8	10	8	46	103	126	124	95	62	57
Cut/pierce .....	14	—	—	—	—	—	—	—	1	2	2	3	3	2
Drowning .....	6	—	—	—	—	—	—	—	1	4	1	—	—	—
Fall .....	18	—	—	—	—	—	—	—	4	8	2	3	1	—
Fire/hot object or substance .....	2	—	—	—	—	—	—	—	1	—	1	—	—	—
Firearm .....	337	—	—	—	2	6	4	26	46	56	53	52	43	49
All transport <sup>2</sup> .....	2	—	—	—	—	—	—	—	—	—	2	—	—	—
Other land transport <sup>3</sup> .....	2	—	—	—	—	—	—	—	—	—	2	—	—	—
Poisoning .....	109	—	—	—	—	1	—	4	13	20	31	26	9	5
Suffocation .....	142	—	—	—	6	3	3	16	34	34	30	9	6	1
Other and unspecified .....	9	—	—	—	—	—	—	—	3	2	2	2	—	—
<b>Homicide</b> .....	107	1	6	4	4	1	8	11	23	13	17	12	4	3
Cut/pierce .....	17	—	1	—	—	—	2	3	4	3	1	2	1	—
Fire/hot object or substance .....	2	—	—	1	—	—	—	—	—	—	—	1	—	—
Firearm .....	61	—	—	1	2	1	6	8	16	7	11	4	3	2
Struck by or against .....	2	—	—	—	—	—	—	—	—	1	1	—	—	—
Suffocation .....	5	—	1	1	1	—	—	—	—	—	1	1	—	—
Other and unspecified .....	20	1	4	1	1	—	—	—	3	2	3	4	—	1
<b>Undetermined</b> .....	90	2	1	—	—	—	—	1	11	21	23	17	7	6
Drowning .....	14	—	—	—	—	—	—	—	4	3	1	4	1	—
Firearm .....	5	—	—	—	—	—	—	—	1	—	—	1	2	1
Poisoning .....	59	—	—	—	—	—	—	1	6	15	18	12	4	3
Suffocation .....	2	2	—	—	—	—	—	—	—	—	—	—	—	—
Other and unspecified .....	10	—	1	—	—	—	—	—	—	3	4	—	—	2
<b>Legal intervention/war<sup>4</sup></b> .....	6	—	—	—	—	—	—	1	—	1	1	2	1	—
Firearm .....	6	—	—	—	—	—	—	1	—	1	1	2	1	—

<sup>1</sup> Includes deaths due to complications of medical and surgical care

<sup>2</sup> Excludes late effects of transport accidents (ICD-10 code Y85).

<sup>3</sup> Includes non-traffic accidents involving pedestrians or cyclists (see Table 6-25).

<sup>4</sup> Includes late effects of injuries sustained in war (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 6-24. Injury Death Rates by Intent, Mechanism of Injury, and Age, Oregon Residents, 2011

	Total	Rate <sup>1</sup>	Age at Death												
			<1	1-4	5-9	10-14	15-17	18-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
<b>Total External<sup>2</sup></b> .....	2,579	66.9	28.8	11.9	5.5	6.6	20.0	43.3	54.9	56.4	64.4	75.9	68.4	68.2	286.7
Cut/pierce .....	32	0.8	-	0.5	-	-	-	2.9	1.2	1.1	1.0	0.6	1.0	1.3	0.8
Drowning .....	76	2.0	-	2.1	-	2.0	1.9	2.4	2.4	2.5	2.8	1.5	2.9	1.6	1.6
Fall .....	608	15.8	-	-	-	0.7	1.0	1.6	1.6	1.5	3.2	2.6	8.0	13.4	194.9
Fire/hot object or substance .....	46	1.2	2.2	2.1	0.8	-	-	-	-	0.9	1.0	1.5	1.4	2.3	2.8
Firearm .....	417	10.8	-	0.4	1.7	4.7	9.6	14.2	14.2	11.9	13.4	12.5	11.7	16.1	21.0
Machinery .....	4	0.1	-	-	-	-	-	0.4	0.4	-	0.2	-	-	0.3	0.4
All transport <sup>3</sup> .....	393	10.2	2.2	2.6	2.1	1.2	1.2	6.7	16.2	9.1	7.5	13.7	11.9	12.8	19.8
Motor vehicle traffic .....	339	8.8	2.2	1.0	2.1	1.2	5.3	19.2	15.0	8.1	5.7	11.0	10.1	11.2	18.2
Other land transport <sup>4</sup> .....	39	1.0	1.6	-	-	1.3	-	0.8	0.8	0.6	1.4	1.7	1.4	1.0	1.2
Other transport .....	15	0.4	-	-	-	-	-	0.4	0.4	0.4	0.4	0.9	0.4	0.7	0.4
Natural/environmental .....	13	0.3	2.2	-	-	-	-	-	-	0.2	0.2	0.7	0.4	0.7	0.8
Poisoning .....	596	15.4	-	-	-	-	5.8	11.8	11.8	20.1	26.1	30.9	22.6	7.9	5.3
Struck by or against .....	23	0.6	-	1.0	-	-	-	0.4	0.4	0.4	0.4	1.1	1.2	0.3	1.2
Suffocation .....	218	5.7	19.9	1.0	1.3	2.9	2.9	6.3	6.3	6.8	6.9	6.7	3.5	4.9	13.3
Other and unspecified .....	121	3.1	2.2	2.6	0.4	-	-	0.4	0.4	1.9	1.6	3.7	3.3	3.9	17.8
Medical care complications .....	32	0.8	-	-	0.4	-	-	-	-	-	0.2	0.4	0.6	2.6	6.9
<b>Unintentional</b> .....	1,705	44.2	22.2	8.3	3.8	1.2	12.7	27.9	31.6	30.5	32.4	44.7	43.3	41.3	253.2
Cut/pierce .....	1	<.05	-	-	-	-	-	-	-	0.2	-	-	-	-	-
Drowning .....	56	1.5	-	2.1	0.4	-	2.0	1.9	2.4	1.5	1.4	1.1	2.1	1.3	1.6
Fall .....	590	15.3	-	-	-	0.7	1.0	1.6	1.6	0.8	1.6	2.2	7.4	13.1	194.9
Fire/hot object or substance .....	42	1.1	2.2	2.1	0.4	-	-	-	-	0.8	1.0	1.3	1.2	2.3	2.8
Firearm .....	8	0.2	-	-	-	-	-	0.4	0.4	-	0.8	0.4	0.2	-	-
Machinery .....	4	0.1	-	-	-	-	-	0.4	0.4	-	0.2	-	-	0.3	0.4
All transport <sup>3</sup> .....	391	10.1	2.2	2.6	2.1	1.2	6.7	19.2	16.2	9.1	7.5	13.3	11.9	12.8	19.8
Motor vehicle traffic .....	339	8.8	2.2	1.0	2.1	1.2	5.3	19.2	15.0	8.1	5.7	11.0	10.1	11.2	18.2
Other land transport <sup>4</sup> .....	37	1.0	1.6	-	-	1.3	-	0.8	0.8	0.6	1.4	1.3	1.4	1.0	1.2
Other transport .....	15	0.4	-	-	-	-	-	0.4	0.4	0.4	0.4	0.9	0.4	0.7	0.4
Natural/environmental .....	13	0.3	2.2	-	-	-	-	-	-	0.2	0.2	0.7	0.4	0.7	0.8
Poisoning .....	428	11.1	-	-	-	2.0	5.8	9.9	9.9	16.5	19.2	21.7	15.2	3.6	2.0
Struck by or against .....	21	0.5	-	1.0	-	-	-	0.4	0.4	0.4	0.2	0.9	1.2	0.3	1.2
Suffocation .....	69	1.8	15.5	0.5	0.8	-	1.3	-	-	0.4	0.2	0.9	1.6	3.0	12.9
Other and unspecified .....	82	2.1	-	-	-	-	-	0.4	0.4	0.8	0.2	2.1	2.1	3.9	16.6

See footnotes at end of table.

TABLE 6-24. Injury Death Rates by Intent, Mechanism of Injury, and Age, Oregon Residents, 2011 — Continued

	Total	Rate <sup>1</sup>	Age at Death												
			<1	1-4	5-9	10-14	15-17	18-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
<b>Suicide</b> .....	639	16.6	—	—	—	3.3	6.7	7.7	18.2	19.5	24.9	23.2	18.5	20.3	23.1
Cut/pierce .....	14	0.4	—	—	—	—	—	1.0	—	0.2	0.4	0.4	0.6	1.0	0.8
Drowning .....	6	0.2	—	—	—	—	—	—	—	0.2	0.8	0.2	—	—	—
Fall .....	18	0.5	—	—	—	—	—	—	—	0.8	1.6	0.4	0.6	0.3	—
Fire/hot object or substance .....	2	0.1	—	—	—	—	—	—	—	0.2	—	0.2	—	—	—
Firearm .....	337	8.7	—	—	—	0.8	4.0	3.8	10.3	8.7	11.1	9.9	10.1	14.1	19.8
All transport <sup>3</sup> .....	2	0.1	—	—	—	—	—	—	—	—	—	0.4	—	—	—
Other land transport <sup>4</sup> .....	2	0.1	—	—	—	—	—	—	—	—	—	0.4	—	—	—
Poisoning .....	109	2.8	—	—	—	—	0.7	—	1.6	2.5	4.0	5.8	5.1	3.0	2.0
Suffocation .....	142	3.7	—	—	—	2.5	2.0	2.9	6.3	6.4	6.7	5.6	1.8	2.0	0.4
Other and unspecified .....	9	0.2	—	—	—	—	—	—	—	0.6	0.4	0.4	0.4	—	—
<b>Homicide</b> .....	107	2.8	2.2	3.1	1.7	1.7	0.7	7.7	4.3	4.4	2.6	3.2	2.3	1.3	1.2
Cut/pierce .....	17	0.4	—	0.5	—	—	—	1.9	1.2	0.8	0.6	0.2	0.4	0.3	—
Fire/hot object or substance .....	2	0.1	—	—	0.4	—	—	—	—	—	—	—	0.2	—	—
Firearm .....	61	1.6	—	—	0.4	0.8	0.7	5.8	3.2	3.0	1.4	2.1	0.8	1.0	0.8
Struck by or against .....	2	0.1	—	—	—	—	—	—	—	—	0.2	0.2	—	—	—
Suffocation .....	5	0.1	—	0.5	0.4	0.4	—	—	—	—	—	0.2	0.2	—	—
Other and unspecified .....	20	0.5	2.2	2.1	0.4	0.4	—	—	—	0.6	0.4	0.6	0.8	—	0.4
<b>Undetermined</b> .....	90	2.3	4.4	0.5	—	—	—	—	0.4	2.1	4.2	4.3	3.3	2.3	2.4
Drowning .....	14	0.4	—	—	—	—	—	—	—	0.8	0.6	0.2	0.8	0.3	—
Firearm .....	5	0.1	—	—	—	—	—	—	—	0.2	—	—	0.2	0.7	0.4
Poisoning .....	59	1.5	—	—	—	—	—	—	0.4	1.1	3.0	3.4	2.3	1.3	1.2
Suffocation .....	2	0.1	4.4	—	—	—	—	—	—	—	—	—	—	—	—
Other and unspecified .....	10	0.3	—	0.5	—	—	—	—	—	—	0.6	0.7	—	—	0.8
<b>Legal intervention/war<sup>5</sup></b> .....	6	0.2	—	—	—	—	—	—	0.4	—	0.2	0.2	0.4	0.3	—
Firearm .....	6	0.2	—	—	—	—	—	—	0.4	—	0.2	0.2	0.4	0.3	—

<sup>1</sup> Rate per 100,000 population.

<sup>2</sup> Includes deaths due to complications of medical and surgical care

<sup>3</sup> Excludes late effects of transport accidents (ICD-10 code Y85).

<sup>4</sup> Includes non-traffic accidents involving pedestrians or cyclists (see Table 6-25).

<sup>5</sup> Includes late effects of injuries sustained in war (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 6-25. Injury Deaths and Crude Death Rates by Mechanism and Intent, Oregon Residents, 2011

Mechanism	Total External <sup>1</sup>		Unintentional		Suicide		Homicide		Undetermined		Legal Intervention/ War <sup>3</sup>	
	Total	Rate <sup>2</sup>	Total	Rate <sup>2</sup>	Total	Rate <sup>2</sup>	Total	Rate <sup>2</sup>	Total	Rate <sup>2</sup>	Total	Rate <sup>2</sup>
Total .....	2,579	66.9	1,705	44.2	639	16.6	107	2.8	90	2.3	6	0.2
Cut/pierce .....	32	0.8	1	<.05	14	0.4	17	0.4	—	—	—	—
Drowning .....	76	2.0	56	1.5	6	0.2	—	—	14	0.4	—	—
Fall .....	608	15.8	590	15.3	18	0.5	—	—	—	—	—	—
Fire/hot object or substance .....	46	1.2	42	1.1	2	0.1	2	0.1	—	—	—	—
Firearm .....	417	10.8	8	0.2	337	8.7	61	1.6	5	0.1	6	0.2
Machinery .....	4	0.1	4	0.1	—	—	—	—	—	—	—	—
All transport <sup>4</sup> .....	393	10.2	391	10.1	2	0.1	—	—	—	—	—	—
Motor vehicle traffic .....	339	8.8	339	8.8	—	—	—	—	—	—	—	—
Occupant <sup>6</sup> .....	157	4.1	157	4.1	—	—	—	—	—	—	—	—
Driver <sup>6</sup> .....	109	2.8	109	2.8	—	—	—	—	—	—	—	—
Passenger <sup>6</sup> .....	36	0.9	36	0.9	—	—	—	—	—	—	—	—
Motorcyclist <sup>7</sup> .....	40	1.0	40	1.0	—	—	—	—	—	—	—	—
Pedal cyclist <sup>7</sup> .....	13	0.3	13	0.3	—	—	—	—	—	—	—	—
Pedestrian .....	52	1.3	52	1.3	—	—	—	—	—	—	—	—
Other and unspecified .....	77	2.0	77	2.0	—	—	—	—	—	—	—	—
Pedal cyclist, other .....	4	0.1	4	0.1	—	—	—	—	—	—	—	—
Pedestrian, other .....	9	0.2	9	0.2	—	—	—	—	—	—	—	—
Other land transport .....	26	0.7	24	0.6	2	0.1	—	—	—	—	—	—
Other transport .....	15	0.4	15	0.4	—	—	—	—	—	—	—	—
Natural/environmental .....	13	0.3	13	0.3	—	—	—	—	—	—	—	—
Poisoning .....	596	15.4	428	11.1	109	2.8	—	—	59	1.5	—	—
Struck by or against .....	23	0.6	21	0.5	—	—	—	—	—	—	—	—
Suffocation .....	218	5.7	69	1.8	142	3.7	5	0.1	2	0.1	—	—
Other and unspecified .....	121	3.1	82	2.1	9	0.2	20	0.5	10	0.3	—	—
Medical care complications .....	32	0.8	—	—	—	—	—	—	—	—	—	—

1 Includes deaths due to complications of medical and surgical care

2 Rate per 100,000 population.

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

4 Excludes late effects of transport accidents (ICD-10 code Y85).

5 Excludes persons traveling by motorcycle and pedalcycle.

6 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.

7 Includes both drivers and passengers.

— Quantity is zero.

**TABLE 6-26. Unintentional Deaths by Type or Source of Injury, Age Groups, and Sex, Oregon Residents, 2011**

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+	
<b>Total</b> <sup>1</sup>	1,705	1,019	686	26	12	128	161	164	239	222	126	213	413	
<b>Transportation</b> <sup>2</sup>	404	299	105	6	8	71	49	39	76	64	41	39	11	
Motor vehicle traffic accident	339	247	92	3	8	66	43	29	59	52	34	35	10	
Water transport	9	9	-	-	-	1	1	2	3	-	2	-	-	
Air transport	5	4	1	-	-	-	-	-	2	2	-	1	-	
Rail transport	8	6	2	-	-	2	-	2	2	1	-	1	-	
<b>Poisoning</b>	428	283	145	-	-	34	87	97	116	78	11	3	2	
Drugs and medications	378	249	129	-	-	33	84	86	102	62	8	2	1	
Other/unspec solid or liquid	42	27	15	-	-	1	3	10	10	14	3	1	-	
Gases or vapors	8	7	1	-	-	-	-	1	4	2	-	-	1	
<b>Suffocation or obstruction</b>	69	37	32	8	2	2	2	1	5	8	9	14	18	
In bed	3	1	2	3	-	-	-	-	-	-	-	-	-	
Hanging/strangulation	6	5	1	1	-	2	-	1	1	-	-	1	-	
Gastric contents	7	3	4	-	-	-	1	-	-	-	2	1	3	
Food	13	8	5	-	-	-	-	-	1	4	2	3	3	
Other substance/object <sup>3</sup>	31	17	14	1	1	-	-	-	-	4	5	9	12	
<b>Inanimate mechanical forces</b>	38	30	8	2	-	3	4	6	9	8	2	1	3	
Struck by falling object <sup>4</sup>	18	13	5	2	-	1	2	1	4	6	1	-	1	
Struck by other object	3	2	1	-	-	-	-	-	1	-	-	1	-	
Caught between objects	2	2	-	-	-	-	-	-	2	-	-	-	-	
Agricultural machinery	1	1	-	-	-	-	-	-	-	-	1	-	-	
Other machinery	4	4	-	-	1	1	1	1	-	-	-	-	1	
Firearms	8	7	1	-	-	1	-	4	2	1	-	-	-	
Explosion of devices/materials <sup>5</sup>	1	1	-	-	-	-	1	-	-	-	-	-	-	
<b>Miscellaneous</b>	747	359	388	10	2	17	18	21	30	60	60	152	376	
Falls	590	265	325	-	-	6	4	8	12	38	40	139	343	
Animal bite/envenomation	4	4	-	1	-	-	-	1	1	-	-	1	-	
Drowning and submersion	56	45	11	4	1	11	8	7	6	11	4	2	2	
Electric current	1	1	-	-	-	-	-	-	-	1	4	-	-	
Fire, flames and smoke	42	21	21	5	1	-	4	5	7	6	7	3	4	
Excessive natural heat	1	1	-	-	-	-	-	-	-	-	1	-	-	
Excessive natural cold	6	4	2	-	-	-	-	-	3	2	-	1	-	

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.  
 5 Includes explosion of fireworks, boiler, gas cylinder, pressurized tire, pipe or hose, and other materials or pressurized devices.  
 - Quantity is zero.

**TABLE 6-27. Unintentional Fatal Falls by Type or Source, Age Groups, and Sex, Oregon Residents, 2011**

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+
		590	265	325	-	-	6	4	8	12	38	40	139
On same level .....	339	146	193	-	-	-	2	5	18	17	77	215	
Involving ice and snow .....	-	-	-	-	-	-	-	-	-	-	-	-	
From slipping or tripping .....	32	14	18	-	-	-	1	1	1	1	8	20	
Collision with another person <sup>1</sup> .....	-	-	-	-	-	-	-	-	-	-	-	-	
Other .....	307	132	175	-	-	-	2	4	17	16	69	195	
Involving skis, skates, skateboards	4	4	-	-	-	3	-	1	-	-	-	-	
While carried by another .....	-	-	-	-	-	-	-	-	-	-	-	-	
Involving wheelchair .....	16	7	9	-	-	-	-	-	-	2	2	12	
Involving bed .....	28	10	18	-	-	-	-	-	1	4	6	17	
Involving chair .....	8	1	7	-	-	-	-	-	-	1	1	6	
Involving other furniture .....	1	1	-	-	-	-	-	-	-	1	-	-	
Involving playground equipment .....	-	-	-	-	-	-	-	-	-	-	-	-	
On and from stairs .....	27	14	13	-	-	-	-	1	2	3	8	8	
On and from ladder .....	4	4	-	-	-	-	-	-	-	1	2	-	
On and from scaffolding .....	-	-	-	-	-	-	-	-	-	-	-	-	
From building or structure <sup>2</sup> .....	7	5	2	-	-	-	-	-	2	1	2	1	
From tree .....	-	-	-	-	-	-	-	-	-	-	-	-	
From cliff .....	1	1	-	-	1	-	-	-	-	-	-	-	
While diving/jumping into water <sup>3</sup> .....	-	-	-	-	-	-	-	-	-	-	-	-	
Other multilevel fall <sup>4</sup> .....	6	4	2	-	-	-	1	1	-	-	1	-	
Unspecified fall .....	149	68	81	-	-	2	1	-	3	9	38	84	

<sup>1</sup> Includes pushing by another person.  
<sup>2</sup> Includes fall from, out of, or through building or structure.  
<sup>3</sup> Causing an injury other than drowning or submersion.  
<sup>4</sup> Includes falls from or into quarry, tank, dock, haystack, well, etc.  
 - Quantity is zero.

TABLE 6-28. Decedent's Mode of Travel by Collision Type for Land Transport-related Deaths, Oregon Occurrence Injuries, 2011<sup>1</sup>

Victim's Mode of Travel	Total	In Collision with								Non-collision	Other and N.S.
		Pedestrian or Animal <sup>2</sup>	Pedal Cycle	Motorcycle <sup>3</sup>	Car, Van, Pickup	Heavy Transport Vehicle <sup>4</sup>	Railway Train <sup>5</sup>	Other Nonmotor Vehicle <sup>6</sup>	Fixed Object		
Total .....	388	1	-	-	107	26	5	-	54	45	150
Foot .....	56	-	-	-	35	6	3	-	-	-	12
Pedal Cycle .....	19	-	-	-	12	2	-	-	-	2	3
Motorcycle <sup>3</sup> .....	41	1	-	-	12	3	-	-	5	7	13
Car .....	128	-	-	-	39	12	1	-	41	21	14
Pickup or Van .....	28	-	-	-	9	2	-	-	6	8	3
Heavy Transport Vehicle .....	7	-	-	-	-	1	1	-	2	2	1
Bus/Coach .....	1	-	-	-	-	-	-	-	-	-	1
Animal-drawn Vehicle <sup>7</sup> .....	5	-	-	-	-	-	-	-	-	5	-
Railway Train or Vehicle .....	1	-	-	-	-	-	-	-	-	-	1
Streetcar .....	-	-	-	-	-	-	-	-	-	-	-
Industr./Constr. Vehicle .....	-	-	-	-	-	-	-	-	-	-	-
Agricultural Vehicle .....	3	-	-	-	-	-	-	-	-	-	3
All-terrain Vehicle .....	12	-	-	-	-	-	-	-	-	-	12
Unspecified Vehicle .....	87	-	-	-	-	-	-	-	-	-	87

<sup>1</sup> Includes all land transport deaths regardless of whether or not they resulted from traffic accidents. Excludes residents of other states who were injured in Oregon but died outside of Oregon.

<sup>2</sup> Excludes collisions with animal-drawn vehicles or animals being ridden.

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

<sup>4</sup> Includes buses and coaches.

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

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

<sup>7</sup> Includes animals being ridden.

- Quantity is zero.



**TABLE 6-29. Fatal Motor Vehicle Injuries by Age, Sex, Occupant and Traffic Status, Oregon Occurrence Injuries, 2011<sup>1</sup>**

Mode of Transport, Traffic Status & Passenger Status	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+
		388	283	105	17	10	20	14	25	48	40	65	63	36	39
Motorcycle .....	41	37	4	-	1	2	-	1	4	4	14	3	1	-	
Driver, nontraffic .....	2	2	-	-	-	-	-	-	-	-	1	-	-	-	
Passenger, nontraffic .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Unspecified, nontraffic .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
While boarding or alighting ...	23	22	1	-	2	-	1	1	3	7	7	2	-	-	
Driver, traffic .....	2	-	2	-	-	-	-	1	-	1	-	-	-	-	
Passenger, traffic .....	14	13	1	-	1	-	-	2	1	2	6	1	1	-	
Unspecified, traffic .....	128	87	41	6	3	9	13	8	26	6	14	8	17	3	
Car .....	2	1	1	1	-	-	-	-	1	-	-	-	-	-	
Driver, nontraffic .....	2	1	1	-	-	-	-	-	1	-	-	-	1	-	
Passenger, nontraffic .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Person on outside, nontraffic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Unspecified, nontraffic .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
While boarding or alighting ...	88	60	28	-	1	6	7	7	17	6	11	7	10	3	
Driver, traffic .....	28	18	10	5	2	3	6	1	5	-	1	-	4	-	
Passenger, traffic .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Person on outside, traffic .....	8	7	1	-	-	-	-	-	2	-	2	1	2	-	
Unspecified, traffic .....	28	21	7	1	-	1	-	2	1	6	4	3	5	-	
Pickup Truck or Van .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Driver, nontraffic .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Passenger, nontraffic .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Person on outside, nontraffic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Unspecified, nontraffic .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
While boarding or alighting ...	21	17	4	-	-	1	-	2	1	5	3	2	3	-	
Driver, traffic .....	6	3	3	1	-	-	-	-	-	1	1	1	2	-	
Passenger, traffic .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Person on outside, traffic .....	1	1	-	-	-	-	-	-	-	-	1	-	-	-	
Unspecified, traffic .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

<sup>1</sup> Excludes residents of other states who were injured in Oregon but died outside of Oregon.  
<sup>2</sup> Total includes all land transport deaths (e.g., water and air transport-related deaths are excluded). Only the most common types of motorized land transport vehicle-related fatalities are shown by category. See Table 6-28 for other categories.  
 - Quantity is zero.

TABLE 6-30. Traffic Accidents by Victim's Mode of Transport, Sex, and Age, Oregon Occurrence Injuries, 2011<sup>1</sup>

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+
		346	253	93	13	8	20	14	25	44	34	57	54	31	36
Pedestrian .....	51	33	18	4	1	1	3	3	5	12	9	7	4	1	
Struck by Car, Van, P/U .....	33	18	15	4	-	-	2	3	1	7	7	5	3	1	
Struck by Heavy Vehicle .....	6	6	-	-	1	-	-	-	1	2	1	-	1	-	
Pedal Cycle .....	17	14	3	-	1	-	2	1	2	2	3	2	3	-	
Motorcycle .....	39	35	4	-	1	-	1	4	4	10	13	3	1	-	
Collision with Car, Van, P/U	12	10	2	-	1	-	-	2	2	5	1	1	-	-	
Collision with Heavy Vehicle	3	3	-	-	-	-	-	-	-	-	1	2	-	-	
Collision with Fixed Object ...	4	4	-	-	1	-	1	-	-	1	1	-	-	-	
Non-collision .....	6	5	1	-	-	-	-	-	1	2	3	-	-	-	
Car .....	124	85	39	5	3	13	8	24	6	14	15	8	16	3	
Collision with Car, Van, P/U	38	25	13	3	-	2	2	7	3	4	2	1	7	2	
Collision with Heavy Vehicle	12	6	6	-	-	-	1	5	1	1	3	1	-	-	
Collision with Fixed Object ...	40	27	13	1	1	7	4	7	-	3	3	3	7	1	
Non-collision .....	19	14	5	1	2	3	1	2	1	2	5	1	-	-	
Pickup or Van .....	28	21	7	1	-	-	2	1	6	5	4	3	5	-	
Collision with Car, Van, P/U	9	8	1	1	-	-	-	-	-	2	1	2	3	-	
Collision with Heavy Vehicle	2	1	1	-	-	-	-	-	-	-	-	1	1	-	
Collision with Fixed Object ...	6	4	2	-	-	1	-	1	1	1	2	-	-	-	
Non-collision .....	8	7	1	-	-	-	2	-	3	1	1	-	1	-	
Heavy Transport Vehicle .....	6	6	-	-	-	-	1	-	1	2	2	-	-	-	
Bus .....	1	-	1	-	-	-	-	-	-	-	-	-	1	-	
Animal-drawn Vehicle <sup>2</sup> .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Railway Train or Vehicle .....	1	1	-	-	-	-	-	-	1	-	-	-	-	-	
Streetcar .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other and Unspecified .....	79	58	21	3	2	6	8	11	9	12	8	8	6	6	

<sup>1</sup> Unlike tables 6-28 and 6-29 (which include all transport accidents), this table includes only traffic accidents.

<sup>2</sup> Includes animals being ridden.

- Quantity is zero.

**TABLE 6-31. Unintentional Deaths Due to Drownings by Sex, Age, County of Injury, and Circumstances of Drowning, Oregon Occurrence Injuries, 2011**

Demographic Characteristics	Total	Boating <sup>1</sup>	Bathtub & Hot Tub	Swimming Pool	While in Natural Water	Fall into Natural Water	Other & Unspec.
<b>Total</b> .....	68	11	7	4	31	6	9
<b>Sex</b>							
M .....	56	11	5	3	25	5	7
F .....	12	—	2	1	6	1	2
<b>Age</b>							
<1 .....	—	—	—	—	—	—	—
1-4 .....	4	—	—	3	—	1	—
5-14 .....	1	—	—	—	—	—	1
15-17 .....	3	—	—	—	3	—	—
18-19 .....	2	—	—	—	2	—	—
20-24 .....	6	—	—	—	4	1	1
25-34 .....	10	1	1	—	5	—	3
35-44 .....	10	3	1	—	5	1	—
45-54 .....	12	4	2	—	4	2	—
55-64 .....	12	—	2	—	5	1	4
65-74 .....	5	3	—	—	2	—	—
75+ .....	3	—	1	1	1	—	—
<b>County</b>							
Baker .....	—	—	—	—	—	—	—
Benton .....	—	—	—	—	—	—	—
Clackamas .....	3	—	1	—	2	—	—
Clatsop .....	1	—	—	—	1	—	—
Columbia .....	3	3	—	—	—	—	—
Coos .....	1	1	—	—	—	—	—
Crook .....	—	—	—	—	—	—	—
Curry .....	2	1	—	—	1	—	—
Deschutes .....	1	—	—	—	1	—	—
Douglas .....	6	—	—	—	4	—	2
Gilliam .....	—	—	—	—	—	—	—
Grant .....	1	—	—	1	—	—	—
Harney .....	—	—	—	—	—	—	—
Hood River .....	—	—	—	—	—	—	—
Jackson .....	4	—	1	1	2	—	—
Jefferson .....	2	—	—	1	—	1	—
Josephine .....	2	—	—	—	2	—	—
Klamath .....	1	—	—	—	1	—	—
Lake .....	—	—	—	—	—	—	—
Lane .....	3	—	—	—	3	—	—
Lincoln .....	6	—	1	—	4	—	1
Linn .....	1	—	—	—	1	—	—
Malheur .....	2	1	—	—	—	—	1
Marion .....	5	—	—	—	2	1	2
Morrow .....	—	—	—	—	—	—	—
Multnomah .....	14	2	3	1	5	2	1
Polk .....	1	—	—	—	—	1	—
Sherman .....	—	—	—	—	—	—	—
Tillamook .....	4	1	—	—	1	—	2
Umatilla .....	—	—	—	—	—	—	—
Union .....	—	—	—	—	—	—	—
Wallowa .....	1	—	—	—	—	1	—
Wasco .....	1	1	—	—	—	—	—
Washington .....	—	—	—	—	—	—	—
Wheeler .....	—	—	—	—	—	—	—
Yamhill .....	3	1	1	—	1	—	—
Unknown .....	—	—	—	—	—	—	—

<sup>1</sup> Excludes deaths resulting from voluntarily jumping from a boat.  
 — Quantity is zero.

**TABLE 6-32. Deaths from Suicide, Homicide, Legal Intervention, and Undetermined Intent External Causes, by Age, Sex, and Method, Oregon Residents, 2011**

Manner and Method of Death <sup>1</sup>	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
		<b>Suicide</b> .....	639	508	131	5	3	55	9	85	18	98	28	83	41	78	17	52	10	35	4
Poisoning .....	109	55	54	-	-	5	-	6	7	9	11	12	19	16	10	5	4	1	2	1	1
<i>Drugs/Medications</i> .....	88	40	48	-	-	5	-	4	5	6	11	8	17	12	8	4	4	-	2	1	1
<i>Other Substances</i> .....	142	116	26	3	3	16	6	32	2	27	7	24	6	8	1	5	1	1	-	-	-
Drowning .....	6	4	2	-	-	-	-	-	1	3	1	1	-	-	-	-	-	-	-	-	-
Firearms <sup>2</sup> .....	337	301	36	2	-	33	3	39	7	52	4	42	11	47	5	39	4	32	2	15	
<i>Handguns</i> .....	216	190	26	1	-	21	2	24	3	29	3	24	9	31	5	27	2	23	2	10	
<i>Long guns</i> .....	76	70	6	1	-	8	-	11	3	15	1	14	1	8	-	5	1	4	-	4	
Fire/Flame/Hot Object .....	2	1	1	-	-	-	-	1	-	-	-	-	1	1	-	-	-	-	-	-	
Sharp Object .....	14	11	3	-	-	1	-	1	1	2	-	1	1	3	-	2	1	1	-	1	
Jumping from High Place .....	18	13	5	-	-	-	-	4	-	4	4	2	-	2	1	1	-	-	-	-	
<b>Homicide</b> .....	107	80	27	11	4	18	2	19	4	11	2	9	8	11	1	1	3	-	-	3	
Suffocation .....	5	2	3	1	2	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	
Drowning .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Firearms <sup>2</sup> .....	61	45	16	2	1	14	1	13	3	6	1	6	5	4	-	-	3	-	-	2	
<i>Handguns</i> .....	17	9	8	-	-	2	1	3	2	-	1	3	1	1	-	-	2	-	-	1	
<i>Long guns</i> .....	7	4	3	-	-	1	-	2	-	1	-	-	2	-	-	-	-	-	-	1	
Sharp Object .....	17	14	3	1	-	4	1	3	1	3	-	-	1	2	-	1	-	-	-	-	
Blunt Object .....	2	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
Bodily Force .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Neglect and Maltreatment .....	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Legal Intervention</b> .....	6	5	1	-	-	1	-	-	-	-	1	1	1	2	-	1	-	-	-	-	
Firearms .....	6	5	1	-	-	1	-	-	-	-	1	1	-	2	-	1	-	-	-	-	
<b>Undetermined Manner</b> .....	90	54	36	1	2	-	1	7	4	14	7	13	10	9	8	4	3	3	-	2	
Poisoning .....	59	32	27	-	-	-	1	5	1	10	5	9	9	4	8	1	3	1	-	2	
<i>Drugs/Medications</i> .....	53	29	24	-	-	-	-	5	1	9	4	8	9	4	7	1	3	1	-	1	
<i>Other Substances</i> .....	6	3	3	-	-	-	1	1	1	1	1	1	1	-	1	-	-	-	-	1	
Drowning .....	14	12	2	-	-	-	-	2	2	3	-	1	1	4	-	1	-	-	-	-	
Firearms <sup>2</sup> .....	5	4	1	-	-	-	-	-	1	-	-	-	-	1	-	2	-	1	-	-	
<i>Handguns</i> .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Long guns</i> .....	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	

<sup>1</sup> 'Other' and 'Unknown' subcategories are not shown but are included in the totals.

<sup>2</sup> Unlike ICD-9, ICD-10 does not distinguish between rifles, shotguns, and military (assault) weapons.  
 - Quantity is zero.

**TABLE 6-33. Deaths Due to Firearms by Manner, Sex, Age, Race/Ethnicity, County of Residence, and Weapon Type, Oregon Residents, 2011**

Characteristics	Total		Unintended Injuries		Suicide		Homicide		Legal Interven. <sup>2</sup>		Undeterm. Manner	
	All Guns	Hand-guns <sup>1</sup>	M	F	M	F	M	F	M	F	M	F
Total .....	417	236	7	1*	301	36	45	16	5	1*	4	1*
Age												
<1 .....	—	—	—	—	—	—	—	—	—	—	—	—
1-4 .....	—	—	—	—	—	—	—	—	—	—	—	—
5-9 .....	1	—	—	—	—	—	1	—	—	—	—	—
10-14 .....	4	1	—	—	2	—	1	1	—	—	—	—
15-17 .....	7	4	—	—	5	1	1	—	—	—	—	—
18-19 .....	10	5	—	—	4	—	6	—	—	—	—	—
20-21 .....	17	8	—	—	14	—	2	1	—	—	—	—
22-24 .....	19	10	1	—	10	2	5	—	1	—	—	—
25-34 .....	63	32	—	—	39	7	13	3	—	—	—	—
35-44 .....	68	33	3	—	52	4	6	1	—	—	—	—
45-54 .....	67	38	2	—	42	11	6	5	1	—	—	—
55-64 .....	60	38	1	—	47	5	4	—	2	—	1	—
65-74 .....	49	31	—	—	39	4	—	3	1	—	2	—
75-84 .....	35	25	—	—	32	2	—	—	—	—	1	—
85+ .....	17	11	—	—	15	—	—	2	—	—	—	—
Race/Ethnicity												
White Only .....	371	219	7	—	280	34	23	15	5	—	4	—
Black Only .....	12	3	—	—	3	—	8	1	—	—	—	—
Am. Indian Only .....	5	3	—	—	2	1	2	—	—	—	—	—
Asian Only <sup>3</sup> .....	4	1	—	—	2	—	2	—	—	—	—	—
HI & Pac. Is. Only <sup>4</sup> .....	—	—	—	—	—	—	—	—	—	—	—	—
Other Races & Unk .....	1	1	—	—	1	—	—	—	—	—	—	—
Two or More Races .....	6	3	—	—	5	1	—	—	—	—	—	—
Hispanic <sup>5</sup> .....	18	6	—	—	8	—	10	—	—	—	—	—
County of Residence												
Baker .....	1	—	—	—	1	—	—	—	—	—	—	—
Benton .....	5	3	—	—	4	—	1	—	—	—	—	—
Clackamas .....	28	24	1	—	25	—	—	2	—	—	—	—
Clatsop .....	2	1	—	—	2	—	—	—	—	—	—	—
Columbia .....	8	8	—	—	4	3	1	—	—	—	—	—
Coos .....	12	6	—	—	9	1	2	—	—	—	—	—
Crook .....	3	1	—	—	2	1	—	—	—	—	—	—
Curry .....	4	4	—	—	4	—	—	—	—	—	—	—
Deschutes .....	20	7	—	—	16	1	1	1	—	—	1	—
Douglas .....	19	14	1	—	13	2	2	—	1	—	—	—
Gilliam .....	1	1	—	—	1	—	—	—	—	—	—	—
Grant .....	1	—	—	—	1	—	—	—	—	—	—	—
Harney .....	—	—	—	—	—	—	—	—	—	—	—	—
Hood River .....	3	—	—	—	2	—	1	—	—	—	—	—

See footnotes at end of table.

**TABLE 6-33. Deaths Due to Firearms by Manner, Sex, Age, Race/Ethnicity, County of Residence, and Weapon Type, Oregon Residents, 2011 — Continued**

Characteristics	Total		Unintended Injuries		Suicide		Homicide		Legal Interven. <sup>2</sup>		Undeterm. Manner	
	All Guns	Hand-guns <sup>1</sup>	M	F	M	F	M	F	M	F	M	F
County of Residence												
Jackson .....	29	6	1	—	23	1	1	1	—	—	1	—
Jefferson .....	3	1	—	—	1	—	2	—	—	—	—	—
Josephine .....	21	11	—	—	15	3	2	1	—	—	—	—
Klamath .....	8	5	—	—	6	—	—	2	—	—	—	—
Lake .....	—	—	—	—	—	—	—	—	—	—	—	—
Lane .....	49	32	2	—	34	7	2	2	—	—	1	—
Lincoln .....	7	1	—	—	3	1	2	1	—	—	—	—
Linn .....	16	9	1	—	9	4	2	—	—	—	—	—
Malheur .....	6	3	—	—	6	—	—	—	—	—	—	—
Marion .....	32	18	1	—	25	1	3	1	1	—	—	—
Morrow .....	1	1	—	—	1	—	—	—	—	—	—	—
Multnomah .....	58	36	—	—	37	4	12	3	2	—	—	—
Polk .....	7	5	—	—	3	2	2	—	—	—	—	—
Sherman .....	1	1	—	—	1	—	—	—	—	—	—	—
Tillamook .....	3	—	—	—	3	—	—	—	—	—	—	—
Umatilla .....	14	5	—	—	8	1	4	—	—	—	—	—
Union .....	4	—	—	—	3	—	—	—	1	—	—	—
Wallowa .....	1	1	—	—	1	—	—	—	—	—	—	—
Wasco .....	1	—	—	—	—	—	—	1	—	—	—	—
Washington .....	35	23	—	—	28	3	3	1	—	—	—	—
Wheeler .....	2	—	—	—	—	1	—	—	—	—	1	—
Yamhill .....	12	9	—	—	10	—	2	—	—	—	—	—
Unknown .....	—	—	—	—	—	—	—	—	—	—	—	—
Weapon Type												
Handgun .....	236	236	3	—	190	26	9	8	—	—	—	—
Long Gun <sup>6</sup> .....	87	—	2	—	70	6	4	3	—	—	2	—
Other & N.S. <sup>7</sup> .....	94	—	2	—	41	4	32	5	5	—	2	—

<sup>1</sup> 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.

<sup>2</sup> Legal intervention is the intentional or unintentional death of a person resulting from the actions of a law enforcement agent. This category 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.

<sup>3</sup> Includes Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, and Other Asian.

<sup>4</sup> Includes Guamanian, Hawaiian, Samoan, and Other Pacific Islander.

<sup>5</sup> Decedents of Hispanic ethnicity may belong to any race but have been removed from all race categories in this table.

<sup>6</sup> The ICD-10, unlike ICD-9, does not distinguish between rifles, shotguns, and military (assault) weapons.

<sup>7</sup> 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.

\* Some categories are suppressed due to confidentiality.

— Quantity is zero.

**TABLE 6-34. Fatal Overdoses and Poisonings by Manner, Type, Sex, Age Groups, Race/Ethnicity, and Selected Counties of Residence, Oregon Residents, 2011**

Manner and Type of Substance <sup>1</sup>	Total	M	F	Age Groups					
				0-4	5-14	15-24	25-34	35-44	45-54
<b>Total</b> .....	856	567	289	-	-	47	112	152	223
<b>Mental and behavioral disorders due to psychoactive substance use</b> .....	260	197	63	-	-	7	6	20	58
Alcohol <sup>2</sup> .....	186	145	41	-	-	1	2	14	48
Opioids .....	10	8	2	-	-	3	1	2	1
Cannabinoids .....	-	-	-	-	-	-	-	-	-
Sedatives and hypnotics .....	1	-	1	-	-	-	-	-	1
Cocaine .....	1	1	-	-	-	-	-	-	-
Other stimulants .....	7	5	2	-	-	-	-	2	1
Hallucinogens .....	-	-	-	-	-	-	-	-	-
Tobacco <sup>3</sup> .....	34	21	13	-	-	-	-	1	1
Volatile solvents .....	-	-	-	-	-	-	-	-	-
Other (multiple) psychoactive substances .....	21	17	4	-	-	3	3	1	6
<b>Unintentional overdoses/poisoning</b> .....	428	283	145	-	-	34	87	97	116
Nonopioid analgesics, antipyretics, etc. ....	2	1	1	-	-	-	-	-	1
Psychotropic, sedative-hypnotic drugs .....	40	30	10	-	-	-	6	9	17
Narcotics and hallucinogens <sup>4</sup> .....	246	166	80	-	-	24	60	58	59
Other and unspecified drugs <sup>5</sup> .....	90	52	38	-	-	9	18	19	25
Alcohol .....	39	25	14	-	-	1	2	9	10
Organic solvents & halogenated HC <sup>6</sup> .....	2	1	1	-	-	-	1	-	-
Carbon monoxide & other gases .....	8	7	1	-	-	-	-	1	4
Pesticides .....	-	-	-	-	-	-	-	-	-
Other chemicals & substances .....	1	1	-	-	-	-	-	1	-
<b>Intentional self-poisoning</b> .....	109	55	54	-	-	5	13	20	31
Nonopioid analgesics, antipyretics, etc. ....	5	-	5	-	-	-	-	2	1
Psychotropic, sedative-hypnotic drugs .....	11	4	7	-	-	-	1	2	4
Narcotics and hallucinogens <sup>4</sup> .....	24	13	11	-	-	1	1	7	8
Other and unspecified drugs <sup>5</sup> .....	48	23	25	-	-	4	7	6	12
Alcohol .....	2	2	-	-	-	-	-	-	-
Organic solvents & halogenated HC <sup>6</sup> .....	2	1	1	-	-	-	-	1	1
Carbon monoxide & other gases .....	17	12	5	-	-	-	4	2	5
Pesticides .....	-	-	-	-	-	-	-	-	-
Other chemicals & substances .....	-	-	-	-	-	-	-	-	-
<b>Assault by poisoning</b> .....	-	-	-	-	-	-	-	-	-
<b>Undetermined intent</b> .....	59	32	27	-	-	1	6	15	18
Nonopioid analgesics, antipyretics, etc. ....	-	-	-	-	-	-	-	-	-
Psychotropic, sedative-hypnotic drugs .....	8	4	4	-	-	-	-	2	4
Narcotics and hallucinogens <sup>4</sup> .....	34	21	13	-	-	-	4	9	9
Other and unspecified drugs <sup>5</sup> .....	11	4	7	-	-	-	2	2	4
Alcohol .....	-	-	-	-	-	-	-	-	-
Organic solvents & halogenated HC <sup>6</sup> .....	-	-	-	-	-	-	-	-	-
Carbon monoxide & other gases .....	5	2	3	-	-	1	-	2	1
Pesticides .....	-	-	-	-	-	-	-	-	-
Other chemicals & substances .....	1	1	-	-	-	-	-	-	-

<sup>1</sup> The distinction between deaths classified as mental/behavioral disorders due to psychoactive substance use versus injury deaths is somewhat factitious. 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, 6-17 and 6-18, among others.

<sup>2</sup> 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, 6-17, and 6-18, for a more inclusive count. Note 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 6-34. Fatal Overdoses and Poisonings by Manner, Type, Sex, Age Groups, Race/Ethnicity, and Selected Counties of Residence, Oregon Residents, 2011— Continued**

Age Groups				Race/Ethnicity					Residence County			
55-64	65-74	75-84	85+	White	Black	Am. Indian	Other <sup>7</sup>	Hisp <sup>8</sup>	Clack	Lane	Mult	Wash
207	67	27	21	780	15	15	21	25	70	82	220	83
91	43	20	15	247	4	1	5	3	19	26	62	27
61	32	16	12	181	—	1	3	1	12	21	39	23
2	1	—	—	9	—	—	—	1	1	—	4	1
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	1	—	—	—	—	—	—	—	1
1	—	—	—	—	1	—	—	—	—	—	1	—
4	—	—	—	7	—	—	—	—	1	1	2	—
—	—	—	—	—	—	—	—	—	—	—	—	—
17	9	4	2	32	1	—	1	—	4	3	8	—
—	—	—	—	—	—	—	—	—	—	—	—	—
6	1	—	1	17	2	—	1	1	1	1	8	2
78	11	3	2	376	11	11	12	18	36	40	128	33
—	—	1	—	2	—	—	—	—	—	—	—	—
7	1	—	—	33	2	2	1	2	2	7	12	2
40	5	—	—	220	7	3	6	10	21	21	91	20
15	2	1	1	79	2	3	2	4	10	10	16	7
13	3	1	—	32	—	3	2	2	3	1	7	3
1	—	—	—	1	—	—	1	—	—	1	—	—
2	—	—	1	8	—	—	—	—	—	—	2	1
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	1	—	—	—	—	—	—	—	—
26	9	3	2	103	—	1	1	4	9	12	21	17
2	—	—	—	4	—	—	—	1	—	1	2	—
2	1	1	—	10	—	—	—	1	—	1	2	3
5	2	—	—	24	—	—	—	—	2	3	5	4
11	5	1	2	45	—	1	—	2	6	4	7	7
1	1	—	—	2	—	—	—	—	—	1	—	—
—	—	—	—	2	—	—	—	—	—	—	—	1
5	—	1	—	16	—	—	1	—	1	2	5	2
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
12	4	1	2	54	—	2	3	—	6	4	9	6
—	—	—	—	—	—	—	—	—	—	—	—	—
1	—	—	1	7	—	—	1	—	1	2	1	1
8	3	1	—	31	—	1	2	—	2	1	5	3
2	1	—	—	10	—	1	—	—	3	1	1	2
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
1	—	—	—	5	—	—	—	—	—	—	1	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	1	1	—	—	—	—	—	—	1	—

<sup>3</sup> Most deaths resulting from tobacco use were attributed to other organ systems (e.g., lung cancer, emphysema, heart disease). See tables 6-19 through 6-21 for a more complete account of tobacco-linked deaths.

<sup>4</sup> Includes other drugs acting on the autonomic nervous system.

<sup>5</sup> Includes deaths due to poisoning from multiple substances in more than one category.

<sup>6</sup> HC = hydrocarbons.

<sup>7</sup> Includes Asian, Pacific Islander, other, unknown, and multiple races.

<sup>8</sup> Hispanic decedents may be of any race but have been removed from all race categories in this table.

— Quantity is zero.



**TABLE 6-35. Leading Causes of Death by County of Residence, Oregon, 2011**

County of Residence	Total	Cancer	Heart Dis	CLRD	CeVD	Unint Injur	Alzheimer's	Diabetes	Alcohol Induc <sup>2</sup>	Suicide	HBP	Flu & Pneumonia
Total .....	32,731	7,768	6,215	2,031	1,906	1,705	1,325	1,114	644	639	449	396
Rate <sup>1</sup> .....	848.5	201.4	161.1	52.6	49.4	44.2	34.3	28.9	16.7	16.6	11.6	10.3
Median Age ....	79	73	83	78	84	59	87	75	56	47	83	85
Baker .....	197	47	48	23	7	17	4	3	3	3	1	1
Benton .....	555	152	110	27	41	27	27	19	10	11	4	16
Clackamas .....	2,987	745	558	154	180	144	132	99	48	54	34	35
Clatsop .....	364	85	85	17	22	28	15	13	9	2	6	5
Columbia .....	428	112	85	29	27	28	9	17	9	10	5	4
Coos .....	862	208	188	60	37	52	25	31	18	14	17	3
Crook .....	227	47	35	28	9	8	3	6	3	7	2	2
Curry .....	337	90	71	33	16	14	6	11	3	5	3	5
Deschutes .....	1,255	296	239	83	76	62	45	45	33	32	15	16
Douglas .....	1,401	347	262	96	75	60	77	54	19	23	20	15
Gilliam .....	19	6	1	—	1	1	2	2	—	1	—	—
Grant .....	87	22	18	9	2	2	1	3	1	2	—	3
Harney .....	83	21	17	4	7	4	—	3	3	—	1	—
Hood River .....	184	44	36	10	10	12	7	5	2	3	4	3
Jackson .....	2,126	497	402	153	141	115	93	57	42	42	36	24
Jefferson .....	190	36	23	10	7	18	8	16	15	4	3	1
Josephine .....	1,264	310	242	91	85	53	41	35	20	25	15	8
Klamath .....	705	158	128	39	46	37	25	19	21	12	7	9
Lake .....	76	16	13	6	5	1	6	4	—	2	—	3
Lane .....	3,279	758	592	235	182	178	160	102	68	68	48	35
Lincoln .....	586	174	116	42	34	19	27	18	11	7	4	5
Linn .....	1,142	281	223	60	80	59	58	41	15	20	17	11
Malheur .....	317	64	71	34	15	19	7	14	4	8	3	5
Marion .....	2,527	565	440	145	167	136	74	118	56	42	30	38
Morrow .....	80	27	10	5	2	5	1	2	1	1	2	1
Multnomah .....	5,436	1,257	1,034	328	316	325	229	176	111	111	80	78
Polk .....	605	150	112	27	39	31	17	20	13	10	11	4
Sherman .....	11	3	1	1	2	1	—	—	1	1	—	—
Tillamook .....	272	61	49	18	18	23	7	7	9	3	5	3
Umatilla .....	636	146	133	38	35	34	23	27	8	12	11	4
Union .....	273	57	43	20	16	13	12	8	5	3	3	11
Wallowa .....	90	17	21	5	5	2	1	5	2	1	4	1
Wasco .....	312	63	72	24	21	8	8	13	4	2	9	5
Washington .....	2,917	694	533	134	141	131	137	89	60	80	40	32
Wheeler .....	21	4	9	—	—	1	—	—	—	1	1	—
Yamhill .....	871	207	193	43	39	37	37	32	16	17	8	9
Unknown .....	9	1	2	—	—	—	1	—	1	—	—	1

<sup>1</sup> Rates per 100,000 population.

<sup>2</sup> See Table 6-6, footnotes 36-37, for a list of included conditions and their ICD codes.

— Quantity is zero.

Abbreviations: Cancer = Malignant neoplasms; CLRD = Chronic Lower Respiratory Disease; CeVD = Cerebrovascular disease; Unint Injur = Unintentional injuries; Alcohol Induc = Alcohol-induced deaths; HBP = Hypertension with/without renal disease.

**TABLE 6-35. Leading Causes of Death by County of Residence, Oregon, 2011— Continued**

County of Residence	Parkin-son's	Neph-ritis	Benign Neopl	Septi-cemia	Viral Hepa-titis	Pneu S&L	Aortic Aneu-rysm	Cong Anom	ALS	Peri-natal Cond	Homi-cide	Arterio-scler-osis
Total .....	349	330	246	203	184	162	159	128	117	110	107	88
Rate <sup>1</sup> .....	9.0	8.6	6.4	5.3	4.8	4.2	4.1	3.3	3.0	2.9	2.8	2.3
Median Age ....	83	84	78	75	58	86	78	25	70	0	33	83
Baker .....	3	3	1	1	—	1	—	—	—	—	—	1
Benton .....	4	7	4	1	2	8	1	2	4	1	3	1
Clackamas .....	32	32	20	24	12	9	13	12	12	8	5	4
Clatsop .....	2	4	2	4	—	3	—	3	1	1	—	—
Columbia .....	4	3	4	4	2	2	1	—	1	—	1	2
Coos .....	9	6	7	4	4	4	6	3	3	1	4	4
Crook .....	4	3	5	—	1	—	2	2	4	—	—	23
Curry .....	2	1	5	4	2	2	1	2	1	2	—	1
Deschutes .....	13	8	10	4	3	7	6	2	8	4	3	4
Douglas .....	15	17	9	3	18	9	10	3	5	3	3	1
Gilliam .....	—	—	—	—	1	—	—	—	—	—	—	—
Grant .....	3	—	1	1	—	—	2	—	—	—	—	—
Harney .....	1	1	—	1	—	—	—	—	1	—	—	1
Hood River .....	7	1	1	—	—	—	2	1	—	—	1	—
Jackson .....	22	29	19	11	11	11	8	2	4	4	10	1
Jefferson .....	1	1	4	1	1	1	1	1	—	—	2	—
Josephine .....	13	15	10	3	13	5	4	3	4	1	4	1
Klamath .....	5	4	5	4	2	3	3	1	4	2	2	—
Lake .....	4	—	—	—	—	1	1	—	—	—	—	—
Lane .....	34	37	21	26	18	18	17	8	4	6	8	3
Lincoln .....	8	4	5	6	7	1	—	6	3	—	3	3
Linn .....	9	9	9	3	5	2	12	6	3	3	2	2
Malheur .....	3	6	2	2	3	1	3	1	1	4	1	1
Marion .....	29	24	18	14	16	12	12	18	7	16	10	6
Morrow .....	—	1	1	—	1	—	1	—	—	1	1	1
Multnomah .....	57	44	33	38	44	33	22	28	17	15	24	14
Polk .....	4	6	8	6	2	5	3	1	4	—	2	1
Sherman .....	—	—	—	—	—	—	—	—	—	—	—	—
Tillamook .....	6	1	3	—	1	—	1	1	—	2	—	2
Umatilla .....	3	10	5	4	3	2	5	2	1	1	5	4
Union .....	2	3	3	3	2	4	2	—	—	2	—	—
Wallowa .....	3	1	1	—	—	—	—	—	—	2	—	—
Wasco .....	4	5	1	4	3	—	1	1	2	1	1	—
Washington .....	32	32	21	21	7	12	16	14	17	28	8	6
Wheeler .....	—	1	—	—	—	—	—	—	—	—	—	—
Yamhill .....	11	11	7	6	—	6	3	5	6	2	3	1
Unknown .....	—	—	1	—	—	—	—	—	—	—	1	—

<sup>1</sup> Rates per 100,000 population.

— Quantity is zero.

Abbreviations: Nephritis = Nephritis, Nephrosis, etc.; Benign Neopl = Benign, In Situ, and neoplasms of uncertain behavior; Pneu S&L = Pneumonia due to solids and liquids; ALS = Amyotrophic Lateral Sclerosis; Perinatal Cond = Perinatal conditions; Cong Anom = Congenital anomalies.

TABLE 6-36. Deaths by Age, Sex, and County of Residence, Oregon Residents, 2011

County of Residence	Total	Age Group and Sex											
		All Ages		<1		1-4		5-14		15-24		25-34	
		M	F	M	F	M	F	M	F	M	F	M	F
Total <sup>1</sup> .....	32,731	16,449	16,282	110	100	33	23	31	32	237	59	322	142
Baker .....	197	107	90	—	—	—	—	—	—	—	—	2	—
Benton .....	555	284	271	1	1	1	1	1	1	7	1	7	2
Clackamas .....	2,987	1,458	1,529	11	6	3	2	3	2	22	6	26	12
Clatsop .....	364	187	177	1	1	—	—	1	—	4	1	3	5
Columbia .....	428	239	189	—	—	—	1	—	1	2	1	4	4
Coos .....	862	454	408	—	3	—	—	—	—	5	1	7	4
Crook .....	227	112	115	—	—	—	1	—	—	2	—	3	—
Curry .....	337	176	161	—	2	—	1	—	—	2	1	1	1
Deschutes .....	1,255	624	631	5	2	2	1	—	—	13	5	11	5
Douglas .....	1,401	723	678	3	4	4	—	2	1	5	2	10	5
Gilliam .....	19	8	11	—	—	—	—	—	—	1	—	—	—
Grant .....	87	44	43	—	—	—	—	—	—	—	—	1	—
Harney .....	83	42	41	—	1	—	—	—	—	—	—	1	—
Hood River .....	184	88	96	1	—	—	—	—	—	1	—	1	—
Jackson .....	2,126	1,110	1,016	5	3	2	2	4	1	14	2	22	11
Jefferson .....	190	103	87	—	4	—	1	1	—	3	1	4	2
Josephine .....	1,264	647	617	1	2	—	—	—	—	6	2	11	2
Klamath .....	705	370	335	3	4	1	1	—	1	7	3	4	3
Lake .....	76	34	42	—	—	—	—	—	—	—	—	1	—
Lane .....	3,279	1,631	1,648	8	5	3	1	1	2	19	8	30	18
Lincoln .....	586	294	292	1	—	—	—	—	—	3	1	6	1
Linn .....	1,142	552	590	4	3	—	—	—	3	3	—	4	1
Malheur .....	317	158	159	1	4	—	—	—	—	—	3	1	—
Marion .....	2,527	1,235	1,292	13	14	3	5	2	4	21	2	23	8
Morrow .....	80	46	34	1	—	—	—	—	—	—	—	2	—
Multnomah .....	5,436	2,695	2,741	18	17	6	2	8	6	47	9	77	35
Polk .....	605	294	311	—	1	1	1	—	—	5	—	8	3
Sherman .....	11	7	4	—	—	—	—	1	—	—	—	—	1
Tillamook .....	272	146	126	3	—	—	1	—	1	—	—	1	1
Umatilla .....	636	311	325	1	2	1	1	1	1	5	1	7	1
Union .....	273	131	142	1	2	—	—	—	—	2	1	2	3
Wallowa .....	90	45	45	—	2	1	—	—	—	—	—	—	—
Wasco .....	312	160	152	1	—	—	—	1	—	2	—	1	1
Washington .....	2,917	1,451	1,466	23	14	3	1	5	7	30	4	35	11
Wheeler .....	21	12	9	—	—	—	—	—	—	—	—	—	—
Yamhill .....	871	468	403	4	3	2	—	—	1	6	4	6	2
Unknown .....	9	3	6	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

TABLE 6-36. Deaths by Age, Sex, and County of Residence, Oregon Residents, 2011 — Continued

County of Residence	Age Group and Sex											
	35-44		45-54		55-64		65-74		75-84		85+	
	M	F	M	F	M	F	M	F	M	F	M	F
Total <sup>1</sup> .....	511	291	1,195	845	2,579	1,612	3,043	2,296	4,032	3,942	4,355	6,938
Baker .....	1	1	5	4	15	14	32	13	30	24	22	34
Benton .....	9	5	14	10	39	20	52	29	76	66	77	135
Clackamas .....	46	26	110	83	203	129	290	206	322	338	422	719
Clatsop .....	13	3	11	9	34	26	26	26	42	39	51	67
Columbia .....	10	5	18	11	42	13	56	38	57	42	50	73
Coos .....	10	6	32	11	72	50	91	65	126	106	111	162
Crook .....	2	3	6	2	17	9	19	26	32	34	31	40
Curry .....	1	1	15	6	26	20	33	32	55	32	43	64
Deschutes .....	15	14	43	38	83	47	114	81	156	154	182	284
Douglas .....	13	4	58	23	108	71	139	101	203	183	178	284
Gilliam .....	—	—	2	1	—	3	1	3	2	—	2	4
Grant .....	1	—	3	1	5	3	14	4	9	14	11	21
Harney .....	—	—	3	5	7	9	5	2	17	9	9	15
Hood River .....	3	1	11	2	6	5	19	17	21	23	25	48
Jackson .....	32	11	65	53	148	88	200	143	275	237	343	465
Jefferson .....	4	3	10	4	14	16	24	7	24	20	19	29
Josephine .....	10	10	22	22	100	67	137	80	187	167	173	265
Klamath .....	9	7	28	31	58	39	73	53	106	73	81	120
Lake .....	1	—	3	2	5	4	2	4	13	15	9	17
Lane .....	58	33	110	75	236	165	309	222	393	391	464	728
Lincoln .....	11	3	17	24	54	29	57	45	82	86	63	103
Linn .....	14	16	39	38	97	56	95	82	156	153	140	238
Malheur .....	5	2	11	5	24	17	27	27	43	44	46	57
Marion .....	41	27	94	64	206	132	205	182	301	324	326	530
Morrow .....	2	—	6	1	7	2	6	7	17	11	5	13
Multnomah .....	106	58	219	170	526	306	481	378	565	629	642	1,131
Polk .....	6	6	19	18	48	35	47	40	76	74	84	133
Sherman .....	—	—	1	—	2	—	—	1	2	—	1	2
Tillamook .....	5	—	8	5	24	12	33	21	38	39	34	46
Umatilla .....	11	6	31	20	52	37	62	46	76	79	64	131
Union .....	3	—	9	6	20	13	24	21	35	32	35	64
Wallowa .....	1	—	3	1	5	—	12	9	6	10	17	23
Wasco .....	4	1	11	5	25	8	30	30	39	42	46	65
Washington .....	48	31	115	74	206	127	248	195	333	360	405	642
Wheeler .....	—	—	—	1	1	—	2	5	3	1	6	2
Yamhill .....	16	8	43	19	62	40	77	55	114	90	138	181
Unknown .....	—	—	—	1	2	—	1	—	—	1	—	3

<sup>1</sup> Includes unknown age and unknown sex.

— Quantity is zero.

**TABLE 6-37. Years of Potential Life Lost Before Age 75 by Cause and County of Residence, Oregon Residents, 2011**

County of Residence	Total	Cancer	Unintentional Injuries	Heart Disease	Suicide	Alcohol Induced <sup>1</sup>	Perinatal Conditions	Diabetes	CLRD	Congenital Anomalies	Cerebrovascular Disease
Total .....	230,525	55,353	33,117	24,368	18,023	11,984	8,201	7,831	7,604	5,831	5,709
Baker .....	1,026	234	201	137	51	55	–	35	108	–	25
Benton .....	3,670	950	762	435	287	139	75	93	93	95	111
Clackamas .....	20,245	5,511	3,292	1,865	1,433	901	599	593	601	485	431
Clatsop .....	3,117	727	677	453	77	186	75	74	87	119	97
Columbia .....	3,254	846	603	360	291	126	–	133	133	–	130
Coos .....	5,326	1,250	759	690	214	237	75	288	256	56	108
Crook .....	1,315	285	96	149	266	49	–	2	107	93	13
Curry .....	2,084	630	214	236	75	46	150	56	176	102	22
Deschutes .....	8,348	2,020	1,177	825	1,047	698	300	334	177	55	135
Douglas .....	8,600	2,031	1,217	1,016	492	356	225	283	418	224	178
Gilliam .....	196	44	22	–	54	–	–	27	–	–	–
Grant .....	403	196	20	33	41	10	–	9	23	–	–
Harney .....	602	195	80	66	–	35	–	10	–	–	–
Hood River .....	957	297	205	58	76	1	–	–	16	75	14
Jackson .....	13,323	3,158	1,899	1,532	1,098	741	300	277	519	75	382
Jefferson .....	2,109	219	650	74	108	413	–	163	36	75	4
Josephine .....	6,690	1,882	707	684	465	368	75	288	322	165	217
Klamath .....	5,775	1,135	944	447	328	453	150	190	109	24	154
Lake .....	359	90	22	50	70	–	–	18	19	–	–
Lane .....	21,513	5,127	3,175	2,207	1,975	1,183	450	768	780	298	600
Lincoln .....	3,945	1,096	496	478	144	197	–	178	185	161	142
Linn .....	7,261	1,938	930	914	514	217	225	249	205	255	359
Malheur .....	2,104	405	265	278	120	78	300	93	71	–	24
Marion .....	19,100	4,113	2,701	1,628	1,257	957	1,199	953	595	928	627
Morrow .....	615	156	83	40	38	23	75	3	10	–	–
Multnomah .....	44,679	10,280	6,634	4,991	3,477	2,335	1,079	1,471	1,685	1,357	967
Polk .....	3,974	1,021	428	644	296	237	–	130	85	74	95
Sherman .....	157	11	22	–	64	13	–	–	1	–	46
Tillamook .....	1,830	307	405	228	67	142	150	42	78	37	28
Umatilla .....	4,932	1,225	883	460	355	122	75	219	131	75	129
Union .....	1,815	397	239	179	72	61	150	76	62	–	72
Wallowa .....	537	133	72	34	24	15	150	7	9	–	11
Wasco .....	1,673	471	179	265	100	76	75	71	33	1	55
Washington .....	22,561	5,310	2,345	2,182	2,499	1,165	2,099	571	361	787	400
Wheeler .....	89	30	–	18	25	–	–	–	–	–	–
Yamhill .....	6,279	1,630	715	712	523	333	150	127	113	215	133
Unknown .....	62	3	–	–	–	16	–	–	–	–	–

See footnotes at end of table.

**TABLE 6-37. Years of Potential Life Lost Before Age 75 by Cause and County of Residence, Oregon Residents, 2011 — Continued**

County of Residence	Homicide	Viral Hepatitis	Undetermined Intent	SIDS	Flu & Pneumonia	Septicemia	Hypertension	Nephritis	HIV/AIDS	Epilepsy	Pneumonitis due to Solids & Liquids
Total .....	4,235	3,177	2,437	2,087	1,786	1,581	1,571	1,235	859	632	583
Baker .....	—	—	—	—	—	—	6	5	—	—	—
Benton .....	183	29	46	—	33	—	—	33	—	45	—
Clackamas .....	147	156	177	75	144	318	118	103	—	58	33
Clatsop .....	—	—	59	—	35	32	23	—	—	—	12
Columbia .....	20	35	—	—	24	14	21	4	6	—	28
Coos .....	84	66	123	149	—	59	86	23	—	53	26
Crook .....	—	15	—	—	30	—	—	5	—	—	—
Curry .....	—	31	63	—	—	9	16	—	—	—	26
Deschutes .....	53	43	128	149	28	5	26	10	—	—	3
Douglas .....	153	309	86	—	64	32	35	29	18	1	42
Gilliam .....	—	27	—	—	—	—	—	—	—	—	—
Grant .....	—	—	—	—	—	26	—	—	—	—	—
Harney .....	—	—	—	—	—	—	—	—	29	—	—
Hood River .....	44	—	—	—	—	—	31	12	34	—	—
Jackson .....	530	191	105	224	62	18	200	116	58	114	9
Jefferson .....	104	18	—	—	—	—	—	12	—	—	—
Josephine .....	94	239	194	75	6	—	27	42	18	44	—
Klamath .....	69	51	113	224	15	79	33	47	44	—	2
Lake .....	—	—	—	—	17	—	—	—	—	—	—
Lane .....	216	334	337	75	175	210	197	112	81	21	46
Lincoln .....	71	111	—	75	19	64	22	35	—	—	—
Linn .....	60	72	185	75	30	17	45	23	28	—	3
Malheur .....	13	40	—	—	119	15	—	32	—	—	4
Marion .....	369	321	221	75	52	62	178	107	57	93	42
Morrow .....	48	21	—	—	—	—	15	—	—	—	—
Multnomah .....	1,064	714	215	447	483	253	284	193	301	95	245
Polk .....	99	32	—	75	11	30	77	47	—	42	—
Sherman .....	—	—	—	—	—	—	—	—	—	—	—
Tillamook .....	—	16	29	75	20	—	2	3	—	—	—
Umatilla .....	182	66	138	—	45	13	37	44	42	—	18
Union .....	—	48	—	—	146	36	6	8	—	—	13
Wallowa .....	—	—	—	—	—	—	—	—	—	—	—
Wasco .....	26	57	41	—	11	8	5	14	—	—	—
Washington .....	407	135	138	224	218	169	79	153	143	51	31
Wheeler .....	—	—	16	—	—	—	—	—	—	—	—
Yamhill .....	174	—	24	75	—	112	2	23	—	15	—
Unknown .....	25	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> See Table 6-6, footnotes 39-40, for a list of included conditions and their ICD-10 codes.

— Quantity is zero, either because no deaths occurred prior to age 75, or because there were no deaths in that cause category.

**TABLE 6-38. Median Age at Death by Sex and County of Residence, Oregon Residents, 2011**

County of Residence	Total		Male		Female	
	Number	Median	Number	Median	Number	Median
Total .....	32,731	79	16,449	75	16,282	82
Baker .....	197	78	107	74	90	82
Benton .....	555	80	284	76	271	84
Clackamas .....	2,987	80	1,458	75	1,529	84
Clatsop .....	364	78	187	75	177	81
Columbia .....	428	76	239	72	189	80
Coos .....	862	78	454	75	408	81
Crook .....	227	78	112	76	115	80
Curry .....	337	78	176	77	161	80
Deschutes .....	1,255	80	624	77	631	83
Douglas .....	1,401	78	723	75	678	81
Gilliam .....	19	68	8	75	11	67
Grant .....	87	81	44	74	43	84
Harney .....	83	79	42	79	41	79
Hood River .....	184	81	88	77	96	85
Jackson .....	2,126	80	1,110	78	1,016	83
Jefferson .....	190	74	103	72	87	78
Josephine .....	1,264	80	647	77	617	83
Klamath .....	705	76	370	75	335	78
Lake .....	76	81	34	78	42	82
Lane .....	3,279	80	1,631	76	1,648	83
Lincoln .....	586	78	294	74	292	79
Linn .....	1,142	79	552	76	590	81
Malheur .....	317	78	158	77	159	79
Marion .....	2,527	79	1,235	75	1,292	82
Morrow .....	80	77	46	72	34	81
Multnomah .....	5,436	77	2,695	71	2,741	81
Polk .....	605	80	294	77	311	82
Sherman .....	11	74	7	64	4	80
Tillamook .....	272	78	146	74	126	80
Umatilla .....	636	77	311	72	325	82
Union .....	273	80	131	76	142	83
Wallowa .....	90	82	45	77	45	85
Wasco .....	312	80	160	77	152	82
Washington .....	2,917	79	1,451	75	1,466	82
Wheeler .....	21	81	12	85	9	69
Yamhill .....	871	80	468	77	403	83
Unknown .....	9	75	3	59	6	85

TABLE 6-39. Deaths by Race, Ethnicity and County of Residence, Oregon Residents, 2011

County of Residence	Total	Single Mentioned Race						Two or More Races	Hispanic <sup>3</sup>
		White	Black	Am. Indian	Asian <sup>1</sup>	HI & Pac. Is. <sup>2</sup>	Other & NS		
Total .....	32,731	30,637	419	285	406	52	67	194	671
Baker .....	197	193	—	1	1	1	—	—	1
Benton .....	555	532	2	1	6	2	1	4	7
Clackamas .....	2,987	2,863	11	10	34	2	5	14	48
Clatsop .....	364	355	1	1	3	1	—	1	2
Columbia .....	428	417	—	2	1	—	4	1	3
Coos .....	862	828	2	13	2	1	2	7	7
Crook .....	227	223	—	3	—	—	—	—	1
Curry .....	337	330	—	3	—	—	—	—	4
Deschutes .....	1,255	1,216	2	6	6	—	1	3	21
Douglas .....	1,401	1,347	3	10	4	1	—	14	22
Gilliam .....	19	17	—	1	—	—	—	—	1
Grant .....	87	86	—	—	—	—	—	1	—
Harney .....	83	76	—	5	—	—	—	1	1
Hood River .....	184	174	2	—	3	—	—	—	5
Jackson .....	2,126	2,035	9	15	4	5	2	18	38
Jefferson .....	190	150	1	33	—	—	—	—	6
Josephine .....	1,264	1,217	3	8	4	2	—	5	25
Klamath .....	705	652	3	24	3	—	1	7	15
Lake .....	76	74	—	—	1	1	—	—	—
Lane .....	3,279	3,146	17	23	20	2	3	29	39
Lincoln .....	586	554	1	11	4	1	1	5	9
Linn .....	1,142	1,097	2	11	3	—	1	7	21
Malheur .....	317	287	1	1	8	—	—	—	20
Marion .....	2,527	2,317	20	28	21	9	6	12	114
Morrow .....	80	77	—	—	—	—	—	—	3
Multnomah .....	5,436	4,754	302	29	172	13	25	33	108
Polk .....	605	567	3	11	5	1	—	5	13
Sherman .....	11	11	—	—	—	—	—	—	—
Tillamook .....	272	265	—	1	2	—	—	—	4
Umatilla .....	636	574	4	14	2	—	6	2	34
Union .....	273	266	—	2	—	1	—	1	3
Wallowa .....	90	89	—	—	—	—	1	—	—
Wasco .....	312	298	—	7	2	—	—	3	2
Washington .....	2,917	2,682	27	4	91	7	6	20	80
Wheeler .....	21	19	—	1	—	1	—	—	—
Yamhill .....	871	844	2	6	4	—	—	1	14
Unknown .....	9	5	1	—	—	1	2	—	—

<sup>1</sup> Includes Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, and Other Asian.

<sup>2</sup> Includes Guamanian, Hawaiian, Samoan, and Other Pacific Islander.

<sup>3</sup> Decedents of Hispanic ethnicity may belong to any race but have been removed from all race categories in this table.

— Quantity is zero.



**TABLE 6-40. Selected Causes of Death for Portland, Salem, and Eugene, Oregon Residents, 2011**

Selected Causes of Death (and their ICD-10 codes)	Oregon		Portland		Salem		Eugene	
	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
Total .....	32,731	848.5	4,865	830.4	1,392	894.0	1,399	891.0
Infections & parasitic disease (A00-B99) .....	640	16.6	120	20.5	35	22.5	32	20.4
Septicemia (A40-A41) .....	203	5.3	34	5.8	9	5.8	13	8.3
Viral Hepatitis (B15-B19) .....	184	4.8	42	7.2	10	6.4	8	5.1
HIV disease (B20-B24) .....	38	1.0	15	2.6	2	1.3	3	1.9
Malignant neoplasms (C00-C97) .....	7,768	201.4	1,120	191.2	320	205.5	304	193.6
Colon (C18) .....	547	14.2	71	12.1	19	12.2	28	17.8
Pancreas (C25) .....	503	13.0	70	11.9	21	13.5	20	12.7
Bronchus & lung (C34) .....	2,045	53.0	291	49.7	76	48.8	75	47.8
Skin (C43-C44) .....	197	5.1	28	4.8	9	5.8	4	2.5
Breast (C50) .....	500	13.0	83	14.2	17	10.9	25	15.9
Cervical (C53) .....	53	1.4	7	1.2	—	—	3	1.9
Uterine (C54-C55) .....	111	2.9	20	3.4	8	5.1	2	1.3
Ovarian (C56) .....	225	5.8	30	5.1	4	2.6	12	7.6
Prostate (C61) .....	434	11.3	54	9.2	25	16.1	19	12.1
Kidney & renal pelvis (C64-C65) .....	191	5.0	21	3.6	12	7.7	6	3.8
Bladder (C67) .....	232	6.0	30	5.1	8	5.1	13	8.3
Brain (C70-C72) .....	219	5.7	31	5.3	9	5.8	6	3.8
Lymphatic (C81-C96) .....	750	19.4	99	16.9	31	19.9	27	17.2
Non-Hodgkin's lymphoma (C82-C85) .....	257	6.7	35	6.0	12	7.7	6	3.8
Leukemia (C91-C95) .....	306	7.9	38	6.5	10	6.4	17	10.8
Benign & uncertain neoplasms (D00-D48) .....	246	6.4	33	5.6	15	9.6	11	7.0
Diabetes mellitus (E10-E14) .....	1,114	28.9	158	27.0	62	39.8	46	29.3
Organic dementia (F01, F03) .....	2,022	52.4	279	47.6	115	73.9	104	66.2
Parkinson's disease (G20-G21) .....	349	9.0	50	8.5	15	9.6	14	8.9
Alzheimer's disease (G30) .....	1,325	34.3	225	38.4	38	24.4	81	51.6
Diseases of the circulatory system (I00-I99) .....	9,005	233.4	1,308	223.3	347	222.9	352	224.2
Heart disease (I00-I09, I11, I13, I20-I51) .....	6,215	161.1	914	156.0	232	149.0	252	160.5
Ischemic heart disease (I20-I25) .....	3,446	89.3	479	81.8	120	77.1	123	78.3
Cerebrovascular disease (I60-I69) .....	1,906	49.4	264	45.1	84	53.9	66	42.0
Intracerebral hemorrhage, etc. (I61-I62) .....	336	8.7	47	8.0	12	7.7	16	10.2
Cerebral infarction (I63) .....	87	2.3	11	1.9	5	3.2	1	0.6
Stroke of unspecified type (I64) .....	1,053	27.3	148	25.3	47	30.2	37	23.6
Hypertension & hyp. renal dis. (I10, I12, I15) .....	449	11.6	73	12.5	18	11.6	17	10.8
Aortic aneurysm (I71) .....	159	4.1	18	3.1	4	2.6	5	3.2
Influenza & pneumonia (J09-J18) .....	396	10.3	66	11.3	22	14.1	21	13.4
Chronic lower respiratory diseases (J40-J47) .....	2,031	52.6	280	47.8	76	48.8	86	54.8
Diseases of the digestive system (K00-K92) .....	1,436	37.2	217	37.0	75	48.2	71	45.2
Diseases of the genitourinary sys. (N00-N99) .....	542	14.1	61	10.4	23	14.8	28	17.8
Nephritis (N00-N07, N17-N19, N25-N27) .....	330	8.6	36	6.1	12	7.7	19	12.1
Perinatal conditions (P00-P96) .....	110	2.9	18	3.1	12	7.7	4	2.5
Congenital malformations (Q00-Q99) .....	128	3.3	26	4.4	12	7.7	3	1.9
Sudden infant death syndrome (R95) .....	28	0.7	6	1.0	1	0.6	—	—
Unintentional injuries (V01-X59, Y85-Y86) .....	1,705	44.2	300	51.2	68	43.7	89	56.7
Suicide (X60-X84, Y87.0) .....	639	16.6	110	18.8	23	14.8	26	16.6
Homicide (X85-Y09, Y87.1) .....	107	2.8	20	3.4	2	1.3	3	1.9
Undetermined intent (Y10-Y34, Y87.2, Y89.9) .....	90	2.3	10	1.7	3	1.9	4	2.5
<i>Alcohol-induced</i> <sup>2</sup> .....	644	16.7	96	16.4	36	23.1	33	21.0
<i>Drug-induced</i> <sup>2</sup> .....	592	15.3	152	25.9	22	14.1	26	16.6
<i>Injury by firearms</i> <sup>2</sup> .....	417	10.8	52	8.9	19	12.2	16	10.2

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

<sup>2</sup> See Table 6-6, footnotes 38-42, for a list of included conditions and their ICD-10 codes.

— Quantity is zero.

TABLE 6-41. Selected Causes of Death by County, Oregon Residents, 2011

Selected Causes of Death (and their ICD-10 codes)	Baker		Benton		Clackamas		Clatsop	
	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
Total .....	197	1214.9	555	645.4	2,987	789.2	364	979.9
Infections & parasitic disease (A00-B99) .....	1	6.2	5	5.8	62	16.4	9	24.2
Septicemia (A40-A41) .....	1	6.2	1	1.2	24	6.3	4	10.8
Viral Hepatitis (B15-B19) .....	—	—	2	2.3	12	3.2	—	—
HIV disease (B20-B24) .....	—	—	—	—	—	—	—	—
Malignant neoplasms (C00-C97) .....	47	289.9	152	176.8	745	196.8	85	228.8
Colon (C18) .....	5	30.8	13	15.1	54	14.3	5	13.5
Pancreas (C25) .....	4	24.7	9	10.5	49	12.9	7	18.8
Bronchus & lung (C34) .....	15	92.5	36	41.9	208	55.0	26	70.0
Skin (C43-44) .....	3	18.5	3	3.5	26	6.9	2	5.4
Breast (C50) .....	3	18.5	11	12.8	54	14.3	3	8.1
Cervical (C53) .....	—	—	2	2.3	5	1.3	1	2.7
Uterine (C54-C55) .....	—	—	2	2.3	6	1.6	—	—
Ovarian (C56) .....	1	6.2	7	8.1	22	5.8	4	10.8
Prostate (C61) .....	3	18.5	9	10.5	32	8.5	6	16.2
Kidney & renal pelvis (C64-C65) .....	2	12.3	4	4.7	14	3.7	3	8.1
Bladder (C67) .....	1	6.2	4	4.7	15	4.0	3	8.1
Brain (C70-C72) .....	3	18.5	4	4.7	26	6.9	3	8.1
Lymphatic (C81-C96) .....	2	12.3	22	25.6	72	19.0	7	18.8
Non-Hodgkin's lymphoma (C82-C85) .....	—	—	7	8.1	23	6.1	2	5.4
Leukemia (C91-C95) .....	2	12.3	10	11.6	30	7.9	3	8.1
Benign & uncertain neoplasms (D00-D48) .....	1	6.2	4	4.7	20	5.3	2	5.4
Diabetes mellitus (E10-E14) .....	3	18.5	19	22.1	99	26.2	13	35.0
Organic dementia (F01-F03) .....	8	49.3	19	22.1	222	58.7	7	18.8
Parkinson's disease (G20-G21) .....	3	18.5	4	4.7	32	8.5	2	5.4
Alzheimer's disease (G30) .....	4	24.7	27	31.4	132	34.9	15	40.4
Diseases of the circulatory system (I00-I99) .....	57	351.5	161	187.2	802	211.9	114	306.9
Heart Disease (I00-I09, I11, I13, I20-I51) .....	48	296.0	110	127.9	558	147.4	85	228.8
Ischemic heart disease (I20-I25) .....	32	197.3	50	58.1	269	71.1	59	158.8
Cerebrovascular disease (I60-I69) .....	7	43.2	41	47.7	180	47.6	22	59.2
Intracerebral hemorrhage, etc. (I61-I62) .....	—	—	5	5.8	34	9.0	7	18.8
Cerebral infarction (I63) .....	1	6.2	1	1.2	8	2.1	—	—
Stroke of unspecified type (I64) .....	3	18.5	19	22.1	106	28.0	11	29.6
Hypertension & hyp. renal dis. (I10, I12, I15) .....	1	6.2	4	4.7	34	9.0	6	16.2
Aortic aneurysm (I71) .....	—	—	1	1.2	13	3.4	—	—
Influenza & pneumonia (J09-J18) .....	1	6.2	16	18.6	35	9.2	5	13.5
Chronic lower respiratory diseases (J40-J47) .....	23	141.8	27	31.4	154	40.7	17	45.8
Diseases of the digestive system (K00-K92) .....	5	30.8	20	23.3	118	31.2	17	45.8
Diseases of the genitourinary sys. (N00-N99) .....	6	37.0	11	12.8	55	14.5	7	18.8
Nephritis (N00-N07, N17-N19, N25-N27) .....	3	18.5	7	8.1	32	8.5	4	10.8
Perinatal conditions (P00-P96) .....	—	—	1	1.2	8	2.1	1	2.7
Congenital malformations (Q00-Q99) .....	—	—	2	2.3	12	3.2	3	8.1
Sudden infant death syndrome (R95) .....	—	—	—	—	1	0.3	—	—
Unintentional injuries (V01-X59, Y85-Y86) .....	17	104.8	27	31.4	144	38.0	28	75.4
Suicide (X60-X84, Y87.0) .....	3	18.5	11	12.8	54	14.3	2	5.4
Homicide (X85-Y09, Y87.1) .....	—	—	3	3.5	5	1.3	—	—
Undetermined intent (Y10-Y34, Y87.2, Y89.9) .....	—	—	1	1.2	7	1.8	3	8.1
<i>Alcohol-induced</i> <sup>2</sup> .....	3	18.5	10	11.6	48	12.7	9	24.2
<i>Drug-induced</i> <sup>2</sup> .....	6	37.0	10	11.6	54	14.3	12	32.3
<i>Injury by firearms</i> <sup>2</sup> .....	1	6.2	5	5.8	28	7.4	2	5.4

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

<sup>2</sup> See Table 6-6, footnotes 35-39, for a list of included conditions and their ICD codes.

— Quantity is zero.

**TABLE 6-41. Selected Causes of Death by County, Oregon Residents, 2011 — Continued**

Selected Causes of Death (and their ICD-10 codes)	Columbia		Coos		Crook		Curry	
	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
Total .....	428	862.5	862	1369.1	227	1088.5	337	1508.8
Infections & parasitic disease (A00-B99) .....	11	22.2	12	19.1	2	9.6	6	26.9
Septicemia (A40-A41) .....	4	8.1	4	6.4	—	—	4	17.9
Viral Hepatitis (B15-B19) .....	2	4.0	4	6.4	1	4.8	2	9.0
HIV disease (B20-B24) .....	1	2.0	—	—	—	—	—	—
Malignant neoplasms (C00-C97) .....	112	225.7	208	330.4	47	225.4	90	403.0
Colon (C18) .....	9	18.1	9	14.3	5	24.0	8	35.8
Pancreas (C25) .....	6	12.1	7	11.1	3	14.4	7	31.3
Bronchus & lung (C34) .....	38	76.6	75	119.1	17	81.5	21	94.0
Skin (C43-44) .....	4	8.1	3	4.8	3	14.4	—	—
Breast (C50) .....	5	10.1	8	12.7	—	—	6	26.9
Cervical (C53) .....	—	—	2	3.2	—	—	—	—
Uterine (C54-C55) .....	1	2.0	4	6.4	1	4.8	2	9.0
Ovarian (C56) .....	2	4.0	6	9.5	2	9.6	—	—
Prostate (C61) .....	9	18.1	23	36.5	3	14.4	3	13.4
Kidney & renal pelvis (C64-C65) .....	—	—	6	9.5	1	4.8	2	9.0
Bladder (C67) .....	2	4.0	5	7.9	1	4.8	3	13.4
Brain (C70-C72) .....	6	12.1	3	4.8	1	4.8	2	9.0
Lymphatic (C81-C96) .....	8	16.1	18	28.6	4	19.2	8	35.8
Non-Hodgkin's Lymphoma (C82-C85) .....	2	4.0	8	12.7	2	9.6	3	13.4
Leukemia (C91-C95) .....	6	12.1	7	11.1	1	4.8	5	22.4
Benign & uncertain neoplasms (D00-D48) .....	4	8.1	7	11.1	5	24.0	5	22.4
Diabetes mellitus (E10-E14) .....	17	34.3	31	49.2	6	28.8	11	49.3
Organic dementia (F01 F03) .....	18	36.3	46	73.1	9	43.2	16	71.6
Parkinson's disease (G20-G21) .....	4	8.1	9	14.3	4	19.2	2	9.0
Alzheimer's disease (G30) .....	9	18.1	25	39.7	3	14.4	6	26.9
Diseases of the circulatory system (I00-I99) .....	121	243.8	257	408.2	73	350.0	92	411.9
Heart Disease (I00-I09, I11, I13, I20-I51) .....	85	171.3	188	298.6	35	167.8	71	317.9
Ischemic heart disease (I20-I25) .....	47	94.7	115	182.7	18	86.3	42	188.0
Cerebrovascular disease (I60-I69) .....	27	54.4	37	58.8	9	43.2	16	71.6
Intracerebral hemorrhage, etc. (I61-I62) .....	7	14.1	9	14.3	—	—	3	13.4
Cerebral infarction (I63) .....	1	2.0	1	1.6	—	—	—	—
Stroke of unspecified type (I64) .....	12	24.2	22	34.9	4	19.2	9	40.3
Hypertension & hyp. renal dis. (I10, I12, I15) .....	5	10.1	17	27.0	2	9.6	3	13.4
Aortic aneurysm (I71) .....	1	2.0	6	9.5	2	9.6	1	4.5
Influenza & pneumonia (J09-J18) .....	4	8.1	3	4.8	2	9.6	5	22.4
Chronic lower respiratory diseases (J40-J47) .....	29	58.4	60	95.3	28	134.3	33	147.8
Diseases of the digestive system (K00-K92) .....	16	32.2	34	54.0	12	57.5	16	71.6
Diseases of the genitourinary sys. (N00-N99) .....	5	10.1	13	20.6	3	14.4	2	9.0
Nephritis (N00-N07, N17-N19, N25-N27) .....	3	6.0	6	9.5	3	14.4	1	4.5
Perinatal conditions (P00-P96) .....	—	—	1	1.6	—	—	2	9.0
Congenital malformations (Q00-Q99) .....	—	—	3	4.8	2	9.6	2	9.0
Sudden infant death syndrome (R95) .....	—	—	2	3.2	—	—	—	—
Unintentional injuries (V01-X59, Y85-Y86) .....	28	56.4	52	82.6	8	38.4	14	62.7
Suicide (X60-X84, Y87.0) .....	10	20.2	14	22.2	7	33.6	5	22.4
Homicide (X85-Y09, Y87.1) .....	1	2.0	4	6.4	—	—	—	—
Undetermined intent (Y10-Y34, Y87.2, Y89.9) .....	—	—	5	7.9	—	—	2	9.0
<i>Alcohol-induced</i> <sup>2</sup> .....	9	18.1	18	28.6	3	14.4	3	13.4
<i>Drug-induced</i> <sup>2</sup> .....	7	14.1	12	19.1	2	9.6	5	22.4
<i>Injury by firearms</i> <sup>2</sup> .....	8	16.1	12	19.1	3	14.4	4	17.9

<sup>1</sup> Rate per 100,000 population. WARNING: Rates based on less than 5 events are unreliable.<sup>2</sup> See Table 6-6, footnotes 35-39, for a list of included conditions and their ICD codes.

— Quantity is zero.

TABLE 6-41. Selected Causes of Death by County, Oregon Residents, 2011 — Continued

Selected Causes of Death (and their ICD-10 codes)	Deschutes		Douglas		Gilliam		Grant	
	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
Total .....	1,255	789.9	1,401	1299.7	19	1010.6	87	1167.8
Infections & parasitic disease (A00-B99) .....	14	8.8	32	29.7	1	53.2	1	13.4
Septicemia (A40-A41) .....	4	2.5	3	2.8	—	—	1	13.4
Viral Hepatitis (B15-B19) .....	3	1.9	18	16.7	1	53.2	—	—
HIV disease (B20-B24) .....	—	—	1	0.9	—	—	—	—
Malignant neoplasms (C00-C97) .....	296	186.3	347	321.9	6	319.1	22	295.3
Colon (C18) .....	11	6.9	20	18.6	1	53.2	2	26.8
Pancreas (C25) .....	34	21.4	19	17.6	1	53.2	—	—
Bronchus & lung (C34) .....	58	36.5	108	100.2	2	106.4	4	53.7
Skin (C43-44) .....	9	5.7	5	4.6	—	—	2	26.8
Breast (C50) .....	18	11.3	10	9.3	—	—	2	26.8
Cervical (C53) .....	4	2.5	2	1.9	—	—	—	—
Uterine (C54-C55) .....	4	2.5	7	6.5	—	—	—	—
Ovarian (C56) .....	12	7.6	8	7.4	—	—	—	—
Prostate (C61) .....	23	14.5	15	13.9	—	—	—	—
Kidney & renal pelvis (C64-C65) .....	13	8.2	6	5.6	—	—	1	13.4
Bladder (C67) .....	8	5.0	11	10.2	—	—	—	—
Brain (C70-C72) .....	13	8.2	10	9.3	—	—	2	26.8
Lymphatic (C81-C96) .....	36	22.7	33	30.6	—	—	3	40.3
Non-Hodgkin's lymphoma (C82-C85) .....	11	6.9	9	8.3	—	—	2	26.8
Leukemia (C91-C95) .....	14	8.8	17	15.8	—	—	1	13.4
Benign & uncertain neoplasms (D00-D48) .....	10	6.3	9	8.3	—	—	1	13.4
Diabetes mellitus (E10-E14) .....	45	28.3	54	50.1	2	106.4	3	40.3
Organic dementia (F01-F03) .....	83	52.2	74	68.6	3	159.6	7	94.0
Parkinson's disease (G20-G21) .....	13	8.2	15	13.9	—	—	3	40.3
Alzheimer's disease (G30) .....	45	28.3	77	71.4	2	106.4	1	13.4
Diseases of the circulatory system (I00-I99) .....	343	215.9	373	346.0	2	106.4	22	295.3
Heart Disease (I00-I09, I11, I13, I20-I51) .....	239	150.4	262	243.1	1	53.2	18	241.6
Ischemic heart disease (I20-I25) .....	127	79.9	153	141.9	1	53.2	7	94.0
Cerebrovascular disease (I60-I69) .....	76	47.8	75	69.6	1	53.2	2	26.8
Intracerebral hemorrhage, etc. (I61-I62) .....	7	4.4	14	13.0	—	—	—	—
Cerebral infarction (I63) .....	5	3.1	7	6.5	—	—	—	—
Stroke of unspecified type (I64) .....	48	30.2	34	31.5	1	53.2	2	26.8
Hypertension & hyp. renal dis. (I10, I12, I15) .....	15	9.4	20	18.6	—	—	—	—
Aortic aneurysm (I71) .....	6	3.8	10	9.3	—	—	2	26.8
Influenza & pneumonia (J09-J18) .....	16	10.1	15	13.9	—	—	3	40.3
Chronic lower respiratory diseases (J40-J47) .....	83	52.2	96	89.1	—	—	9	120.8
Diseases of the digestive system (K00-K92) .....	61	38.4	55	51.0	—	—	5	67.1
Diseases of the genitourinary sys. (N00-N99) .....	13	8.2	26	24.1	—	—	—	—
Nephritis (N00-N07, N17-N19, N25-N27) .....	8	5.0	17	15.8	—	—	—	—
Perinatal conditions (P00-P96) .....	4	2.5	3	2.8	—	—	—	—
Congenital malformations (Q00-Q99) .....	2	1.3	3	2.8	—	—	—	—
Sudden infant death syndrome (R95) .....	2	1.3	—	—	—	—	—	—
Unintentional injuries (V01-X59, Y85-Y86) .....	62	39.0	60	55.7	1	53.2	2	26.8
Suicide (X60-X84, Y87.0) .....	32	20.1	23	21.3	1	53.2	2	26.8
Homicide (X85-Y09, Y87.1) .....	3	1.9	3	2.8	—	—	—	—
Undetermined intent (Y10-Y34, Y87.2, Y89.9) .....	4	2.5	3	2.8	—	—	—	—
<i>Alcohol-induced</i> <sup>2</sup> .....	33	20.8	19	17.6	—	—	1	13.4
<i>Drug-induced</i> <sup>2</sup> .....	19	12.0	19	17.6	—	—	—	—
<i>Injury by firearms</i> <sup>2</sup> .....	20	12.6	19	17.6	1	53.2	1	13.4

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

<sup>2</sup> See Table 6-6, footnotes 35-39, for a list of included conditions and their ICD codes.

— Quantity is zero.

**TABLE 6-41. Selected Causes of Death by County, Oregon Residents, 2011 — Continued**

Selected Causes of Death (and their ICD-10 codes)	Harney		Hood River		Jackson		Jefferson	
	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
Total .....	83	1125.4	184	813.3	2,126	1042.4	190	869.8
Infections & parasitic disease (A00-B99) .....	3	40.7	1	4.4	38	18.6	3	13.7
Septicemia (A40-A41) .....	1	13.6	—	—	11	5.4	1	4.6
Viral Hepatitis (B15-B19) .....	—	—	—	—	11	5.4	1	4.6
HIV disease (B20-B24) .....	1	13.6	1	4.4	2	1.0	—	—
Malignant neoplasms (C00-C97) .....	21	284.7	44	194.5	497	243.7	36	164.8
Colon (C18) .....	2	27.1	4	17.7	37	18.1	5	22.9
Pancreas (C25) .....	3	40.7	1	4.4	37	18.1	4	18.3
Bronchus & lung (C34) .....	4	54.2	10	44.2	113	55.4	11	50.4
Skin (C43-44) .....	1	13.6	1	4.4	16	7.8	—	—
Breast (C50) .....	4	54.2	3	13.3	31	15.2	2	9.2
Cervical (C53) .....	—	—	—	—	3	1.5	—	—
Uterine (C54-C55) .....	—	—	4	17.7	6	2.9	—	—
Ovarian (C56) .....	—	—	1	4.4	14	6.9	1	4.6
Prostate (C61) .....	—	—	1	4.4	35	17.2	1	4.6
Kidney & renal pelvis (C64-C65) .....	—	—	—	—	12	5.9	—	—
Bladder (C67) .....	—	—	1	4.4	15	7.4	—	—
Brain (C70-C72) .....	—	—	1	4.4	13	6.4	2	9.2
Lymphatic (C81-C96) .....	2	27.1	2	8.8	55	27.0	4	18.3
Non-Hodgkin's lymphoma (C82-C85) .....	1	13.6	2	8.8	24	11.8	2	9.2
Leukemia (C91-C95) .....	1	13.6	—	—	18	8.8	1	4.6
Benign & uncertain neoplasms (D00-D48) .....	—	—	1	4.4	19	9.3	4	18.3
Diabetes mellitus (E10-E14) .....	3	40.7	5	22.1	57	27.9	16	73.2
Organic dementia (F01-F03) .....	3	40.7	16	70.7	119	58.3	7	32.0
Parkinson's disease (G20-G21) .....	1	13.6	7	30.9	22	10.8	1	4.6
Alzheimer's disease (G30) .....	—	—	7	30.9	93	45.6	8	36.6
Diseases of the circulatory system (I00-I99) .....	27	366.1	52	229.8	599	293.7	35	160.2
Heart Disease (I00-I09, I11, I13, I20-I51) .....	17	230.5	36	159.1	402	197.1	23	105.3
Ischemic heart disease (I20-I25) .....	9	122.0	18	79.6	224	109.8	13	59.5
Cerebrovascular disease (I60-I69) .....	7	94.9	10	44.2	141	69.1	7	32.0
Intracerebral hemorrhage, etc. (I61-I62) .....	1	13.6	2	8.8	21	10.3	1	4.6
Cerebral infarction (I63) .....	—	—	—	—	12	5.9	—	—
Stroke of unspecified type (I64) .....	4	54.2	7	30.9	71	34.8	5	22.9
Hypertension & hyp. renal dis. (I10, I12, I15) .....	1	13.6	4	17.7	36	17.7	3	13.7
Aortic aneurysm (I71) .....	—	—	2	8.8	8	3.9	1	4.6
Influenza & pneumonia (J09-J18) .....	—	—	3	13.3	24	11.8	1	4.6
Chronic lower respiratory diseases (J40-J47) .....	4	54.2	10	44.2	153	75.0	10	45.8
Diseases of the digestive system (K00-K92) .....	3	40.7	9	39.8	102	50.0	19	87.0
Diseases of the genitourinary sys. (N00-N99) .....	1	13.6	1	4.4	43	21.1	3	13.7
Nephritis (N00-N07, N17-N19, N25-N27) .....	1	13.6	1	4.4	29	14.2	1	4.6
Perinatal conditions (P00-P96) .....	—	—	—	—	4	2.0	—	—
Congenital malformations (Q00-Q99) .....	—	—	1	4.4	2	1.0	1	4.6
Sudden infant death syndrome (R95) .....	—	—	—	—	3	1.5	—	—
Unintentional injuries (V01-X59, Y85-Y86) .....	4	54.2	12	53.0	115	56.4	18	82.4
Suicide (X60-X84, Y87.0) .....	—	—	3	13.3	42	20.6	4	18.3
Homicide (X85-Y09, Y87.1) .....	—	—	1	4.4	10	4.9	2	9.2
Undetermined intent (Y10-Y34, Y87.2, Y89.9) .....	—	—	—	—	5	2.5	—	—
<i>Alcohol-induced</i> <sup>2</sup> .....	3	40.7	2	8.8	42	20.6	15	68.7
<i>Drug-induced</i> <sup>2</sup> .....	—	—	1	4.4	35	17.2	2	9.2
<i>Injury by firearms</i> <sup>2</sup> .....	—	—	3	13.3	29	14.2	3	13.7

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

<sup>2</sup> See Table 6-6, footnotes 35-39, for a list of included conditions and their ICD codes.

— Quantity is zero.

TABLE 6-41. Selected Causes of Death by County, Oregon Residents, 2011 — Continued

Selected Causes of Death (and their ICD-10 codes)	Josephine		Klamath		Lake		Lane	
	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
Total .....	1,264	1526.2	705	1058.9	76	963.9	3,279	928.5
Infections & parasitic disease (A00-B99) .....	26	31.4	15	22.5	1	12.7	62	17.6
Septicemia (A40-A41) .....	3	3.6	4	6.0	—	—	26	7.4
Viral Hepatitis (B15-B19) .....	13	15.7	2	3.0	—	—	18	5.1
HIV disease (B20-B24) .....	1	1.2	2	3.0	—	—	3	0.8
Malignant neoplasms (C00-C97) .....	310	374.3	158	237.3	16	202.9	758	214.6
Colon (C18) .....	21	25.4	12	18.0	1	12.7	67	19.0
Pancreas (C25) .....	24	29.0	5	7.5	—	—	42	11.9
Bronchus & lung (C34) .....	92	111.1	49	73.6	4	50.7	194	54.9
Skin (C43-44) .....	11	13.3	6	9.0	1	12.7	14	4.0
Breast (C50) .....	19	22.9	11	16.5	1	12.7	56	15.9
Cervical (C53) .....	4	4.8	2	3.0	—	—	10	2.8
Uterine (C54-C55) .....	4	4.8	4	6.0	1	12.7	6	1.7
Ovarian (C56) .....	3	3.6	4	6.0	—	—	30	8.5
Prostate (C61) .....	22	26.6	6	9.0	3	38.0	36	10.2
Kidney & renal pelvis (C64-C65) .....	8	9.7	3	4.5	1	12.7	19	5.4
Bladder (C67) .....	8	9.7	5	7.5	—	—	38	10.8
Brain (C70-C72) .....	4	4.8	4	6.0	—	—	17	4.8
Lymphatic (C81-C96) .....	26	31.4	14	21.0	3	38.0	69	19.5
Non-Hodgkin's lymphoma (C82-C85) .....	5	6.0	6	9.0	1	12.7	23	6.5
Leukemia (C91-C95) .....	11	13.3	5	7.5	2	25.4	36	10.2
Benign & uncertain neoplasms (D00-D48) .....	10	12.1	5	7.5	—	—	21	5.9
Diabetes mellitus (E10-E14) .....	35	42.3	19	28.5	4	50.7	102	28.9
Organic dementia (F01-F03) .....	98	118.3	40	60.1	2	25.4	209	59.2
Parkinson's disease (G20-G21) .....	13	15.7	5	7.5	4	50.7	34	9.6
Alzheimer's disease (G30) .....	41	49.5	25	37.5	6	76.1	160	45.3
Diseases of the circulatory system (I00-I99) .....	356	429.8	187	280.9	19	241.0	868	245.8
Heart Disease (I00-I09, I11, I13, I20-I51) .....	242	292.2	128	192.2	13	164.9	592	167.6
Ischemic heart disease (I20-I25) .....	143	172.7	76	114.1	5	63.4	313	88.6
Cerebrovascular disease (I60-I69) .....	85	102.6	46	69.1	5	63.4	182	51.5
Intracerebral hemorrhage, etc. (I61-I62) .....	9	10.9	9	13.5	1	12.7	34	9.6
Cerebral infarction (I63) .....	2	2.4	—	—	—	—	10	2.8
Stroke of unspecified type (I64) .....	48	58.0	26	39.1	4	50.7	99	28.0
Hypertension & hyp. renal dis. (I10, I12, I15) .....	15	18.1	7	10.5	—	—	48	13.6
Aortic aneurysm (I71) .....	4	4.8	3	4.5	1	12.7	17	4.8
Influenza & pneumonia (J09-J18) .....	8	9.7	9	13.5	3	38.0	35	9.9
Chronic lower respiratory diseases (J40-J47) .....	91	109.9	39	58.6	6	76.1	235	66.5
Diseases of the digestive system (K00-K92) .....	43	51.9	38	57.1	3	38.0	161	45.6
Diseases of the genitourinary sys. (N00-N99) .....	24	29.0	10	15.0	—	—	65	18.4
Nephritis (N00-N07, N17-N19, N25-N27) .....	15	18.1	4	6.0	—	—	37	10.5
Perinatal conditions (P00-P96) .....	1	1.2	2	3.0	—	—	6	1.7
Congenital malformations (Q00-Q99) .....	3	3.6	1	1.5	—	—	8	2.3
Sudden infant death syndrome (R95) .....	1	1.2	3	4.5	—	—	1	0.3
Unintentional injuries (V01-X59, Y85-Y86) .....	53	64.0	37	55.6	1	12.7	178	50.4
Suicide (X60-X84, Y87.0) .....	25	30.2	12	18.0	2	25.4	68	19.3
Homicide (X85-Y09, Y87.1) .....	4	4.8	2	3.0	—	—	8	2.3
Undetermined intent (Y10-Y34, Y87.2, Y89.9) .....	8	9.7	3	4.5	—	—	13	3.7
<i>Alcohol-induced</i> <sup>2</sup> .....	20	24.1	21	31.5	—	—	68	19.3
<i>Drug-induced</i> <sup>2</sup> .....	17	20.5	13	19.5	2	25.4	56	15.9
<i>Injury by firearms</i> <sup>2</sup> .....	21	25.4	8	12.0	—	—	49	13.9

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

<sup>2</sup> See Table 6-6, footnotes 35-39, for a list of included conditions and their ICD codes.

— Quantity is zero.

**TABLE 6-41. Selected Causes of Death by County, Oregon Residents, 2011 — Continued**

Selected Causes of Death (and their ICD-10 codes)	Lincoln		Linn		Malheur		Marion	
	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
Total .....	586	1269.6	1,142	973.2	317	1008.1	2,527	794.3
Infections & parasitic disease (A00-B99) .....	13	28.2	17	14.5	5	15.9	56	17.6
Septicemia (A40-A41) .....	6	13.0	3	2.6	2	6.4	14	4.4
Viral Hepatitis (B15-B19) .....	7	15.2	5	4.3	3	9.5	16	5.0
HIV disease (B20-B24) .....	—	—	1	0.9	—	—	2	0.6
Malignant neoplasms (C00-C97) .....	174	377.0	281	239.5	64	203.5	565	177.6
Colon (C18) .....	10	21.7	17	14.5	8	25.4	40	12.6
Pancreas (C25) .....	11	23.8	13	11.1	3	9.5	32	10.1
Bronchus & lung (C34) .....	60	130.0	85	72.4	12	38.2	149	46.8
Skin (C43-44) .....	4	8.7	5	4.3	—	—	9	2.8
Breast (C50) .....	14	30.3	22	18.7	4	12.7	32	10.1
Cervical (C53) .....	—	—	1	0.9	—	—	3	0.9
Uterine (C54-C55) .....	—	—	1	0.9	2	6.4	14	4.4
Ovarian (C56) .....	3	6.5	8	6.8	2	6.4	16	5.0
Prostate (C61) .....	6	13.0	17	14.5	5	15.9	29	9.1
Kidney & renal pelvis (C64-C65) .....	8	17.3	6	5.1	4	12.7	17	5.3
Bladder (C67) .....	8	17.3	11	9.4	—	—	17	5.3
Brain (C70-C72) .....	2	4.3	8	6.8	2	6.4	13	4.1
Lymphatic (C81-C96) .....	10	21.7	37	31.5	5	15.9	57	17.9
Non-Hodgkin's lymphoma (C82-C85) .....	3	6.5	14	11.9	1	3.2	18	5.7
Leukemia (C91-C95) .....	4	8.7	17	14.5	2	6.4	23	7.2
Benign & uncertain neoplasms (D00-D48) .....	5	10.8	9	7.7	2	6.4	18	5.7
Diabetes mellitus (E10-E14) .....	18	39.0	41	34.9	14	44.5	118	37.1
Organic dementia (F01-F03) .....	25	54.2	73	62.2	14	44.5	191	60.0
Parkinson's disease (G20-G21) .....	8	17.3	9	7.7	3	9.5	29	9.1
Alzheimer's disease (G30) .....	27	58.5	58	49.4	7	22.3	74	23.3
Diseases of the circulatory system (I00-I99) .....	160	346.7	343	292.3	96	305.3	675	212.2
Heart Disease (I00-I09, I11, I13, I20-I51) .....	116	251.3	223	190.0	71	225.8	440	138.3
Ischemic heart disease (I20-I25) .....	68	147.3	138	117.6	51	162.2	231	72.6
Cerebrovascular disease (I60-I69) .....	34	73.7	80	68.2	15	47.7	167	52.5
Intracerebral hemorrhage, etc. (I61-I62) .....	9	19.5	19	16.2	1	3.2	31	9.7
Cerebral infarction (I63) .....	2	4.3	3	2.6	1	3.2	5	1.6
Stroke of unspecified type (I64) .....	20	43.3	40	34.1	9	28.6	90	28.3
Hypertension & hyp. renal dis. (I10, I12, I15) .....	4	8.7	17	14.5	3	9.5	30	9.4
Aortic aneurysm (I71) .....	—	—	12	10.2	3	9.5	12	3.8
Influenza & pneumonia (J09-J18) .....	5	10.8	11	9.4	5	15.9	38	11.9
Chronic lower respiratory diseases (J40-J47) .....	42	91.0	60	51.1	34	108.1	145	45.6
Diseases of the digestive system (K00-K92) .....	28	60.7	32	27.3	8	25.4	123	38.7
Diseases of the genitourinary sys. (N00-N99) .....	6	13.0	19	16.2	8	25.4	41	12.9
Nephritis (N00-N07, N17-N19, N25-N27) .....	4	8.7	9	7.7	6	19.1	24	7.5
Perinatal conditions (P00-P96) .....	—	—	3	2.6	4	12.7	16	5.0
Congenital malformations (Q00-Q99) .....	6	13.0	6	5.1	1	3.2	18	5.7
Sudden infant death syndrome (R95) .....	1	2.2	1	0.9	—	—	1	0.3
Unintentional injuries (V01-X59, Y85-Y86) .....	19	41.2	59	50.3	19	60.4	136	42.7
Suicide (X60-X84, Y87.0) .....	7	15.2	20	17.0	8	25.4	42	13.2
Homicide (X85-Y09, Y87.1) .....	3	6.5	2	1.7	1	3.2	10	3.1
Undetermined intent (Y10-Y34, Y87.2, Y89.9) .....	—	—	5	4.3	—	—	7	2.2
<i>Alcohol-induced</i> <sup>2</sup> .....	11	23.8	15	12.8	4	12.7	56	17.6
<i>Drug-induced</i> <sup>2</sup> .....	6	13.0	25	21.3	4	12.7	36	11.3
<i>Injury by firearms</i> <sup>2</sup> .....	7	15.2	16	13.6	6	19.1	32	10.1

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

<sup>2</sup> See Table 6-6, footnotes 35-39, for a list of included conditions and their ICD codes.

— Quantity is zero.

TABLE 6-41. Selected Causes of Death by County, Oregon Residents, 2011 — Continued

Selected Causes of Death (and their ICD-10 codes)	Morrow		Multnomah		Polk		Sherman	
	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
Total .....	80	709.8	5,436	732.7	605	796.4	11	623.2
Infections & parasitic disease (A00-B99) .....	2	17.7	130	17.5	11	14.5	—	—
Septicemia (A40-A41) .....	—	—	38	5.1	6	7.9	—	—
Viral Hepatitis (B15-B19) .....	1	8.9	44	5.9	2	2.6	—	—
HIV disease (B20-B24) .....	—	—	15	2.0	—	—	—	—
Malignant neoplasms (C00-C97) .....	27	239.6	1,257	169.4	150	197.5	3	170.0
Colon (C18) .....	1	8.9	83	11.2	8	10.5	1	56.7
Pancreas (C25) .....	1	8.9	73	9.8	13	17.1	—	—
Bronchus & lung (C34) .....	7	62.1	340	45.8	30	39.5	—	—
Skin (C43-44) .....	—	—	33	4.4	10	13.2	—	—
Breast (C50) .....	2	17.7	87	11.7	11	14.5	—	—
Cervical (C53) .....	—	—	9	1.2	—	—	—	—
Uterine (C54-C55) .....	—	—	19	2.6	2	2.6	—	—
Ovarian (C56) .....	2	17.7	34	4.6	3	3.9	—	—
Prostate (C61) .....	—	—	57	7.7	10	13.2	1	56.7
Kidney & renal pelvis (C64-C65) .....	1	8.9	27	3.6	4	5.3	—	—
Bladder (C67) .....	1	8.9	30	4.0	4	5.3	1	56.7
Brain (C70-C72) .....	1	8.9	36	4.9	7	9.2	—	—
Lymphatic (C81-C96) .....	2	17.7	114	15.4	12	15.8	—	—
Non-Hodgkin's lymphoma (C82-C85) .....	1	8.9	41	5.5	5	6.6	—	—
Leukemia (C91-C95) .....	—	—	41	5.5	2	2.6	—	—
Benign & uncertain neoplasms (D00-D48) .....	1	8.9	33	4.4	8	10.5	—	—
Diabetes mellitus (E10-E14) .....	2	17.7	176	23.7	20	26.3	—	—
Organic dementia (F01 F03) .....	2	17.7	312	42.1	35	46.1	1	56.7
Parkinson's disease (G20-G21) .....	—	—	57	7.7	4	5.3	—	—
Alzheimer's disease (G30) .....	1	8.9	229	30.9	17	22.4	—	—
Diseases of the circulatory system (I00-I99) .....	16	142.0	1,501	202.3	167	219.8	3	170.0
Heart Disease (I00-I09, I11, I13, I20-I51) .....	10	88.7	1,034	139.4	112	147.4	1	56.7
Ischemic heart disease (I20-I25) .....	8	71.0	557	75.1	63	82.9	1	56.7
Cerebrovascular disease (I60-I69) .....	2	17.7	316	42.6	39	51.3	2	113.3
Intracerebral hemorrhage, etc. (I61-I62) .....	—	—	53	7.1	7	9.2	—	—
Cerebral infarction (I63) .....	1	8.9	11	1.5	3	3.9	—	—
Stroke of unspecified type (I64) .....	—	—	179	24.1	20	26.3	1	56.7
Hypertension & hyp. renal dis. (I10, I12, I15) .....	2	17.7	80	10.8	11	14.5	—	—
Aortic aneurysm (I71) .....	1	8.9	22	3.0	3	3.9	—	—
Influenza & pneumonia (J09-J18) .....	1	8.9	78	10.5	4	5.3	—	—
Chronic lower respiratory diseases (J40-J47) .....	5	44.4	328	44.2	27	35.5	1	56.7
Diseases of the digestive system (K00-K92) .....	2	17.7	234	31.5	26	34.2	1	56.7
Diseases of the genitourinary sys. (N00-N99) .....	1	8.9	73	9.8	10	13.2	—	—
Nephritis (N00-N07, N17-N19, N25-N27) .....	1	8.9	44	5.9	6	7.9	—	—
Perinatal conditions (P00-P96) .....	1	8.9	15	2.0	—	—	—	—
Congenital malformations (Q00-Q99) .....	—	—	28	3.8	1	1.3	—	—
Sudden infant death syndrome (R95) .....	—	—	6	0.8	1	1.3	—	—
Unintentional injuries (V01-X59, Y85-Y86) .....	5	44.4	325	43.8	31	40.8	1	56.7
Suicide (X60-X84, Y87.0) .....	1	8.9	111	15.0	10	13.2	1	56.7
Homicide (X85-Y09, Y87.1) .....	1	8.9	24	3.2	2	2.6	—	—
Undetermined intent (Y10-Y34, Y87.2, Y89.9) .....	—	—	10	1.3	—	—	—	—
<i>Alcohol-induced</i> <sup>2</sup> .....	1	8.9	111	15.0	13	17.1	1	56.7
<i>Drug-induced</i> <sup>2</sup> .....	2	17.7	165	22.2	4	5.3	—	—
<i>Injury by firearms</i> <sup>2</sup> .....	1	8.9	58	7.8	7	9.2	1	56.7

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

<sup>2</sup> See Table 6-6, footnotes 35-39, for a list of included conditions and their ICD codes.

— Quantity is zero.



**TABLE 6-41. Selected Causes of Death by County, Oregon Residents, 2011 — Continued**

Selected Causes of Death (and their ICD-10 codes)	Tillamook		Umatilla		Union		Wallowa	
	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
Total .....	272	1077.0	636	830.5	273	1050.8	90	1286.6
Infections & parasitic disease (A00-B99) .....	3	11.9	10	13.1	8	30.8	1	14.3
Septicemia (A40-A41) .....	—	—	4	5.2	3	11.5	—	—
Viral Hepatitis (B15-B19) .....	1	4.0	3	3.9	2	7.7	—	—
HIV disease (B20-B24) .....	—	—	2	2.6	—	—	—	—
Malignant neoplasms (C00-C97) .....	61	241.5	146	190.7	57	219.4	17	243.0
Colon (C18) .....	5	19.8	13	17.0	5	19.2	1	14.3
Pancreas (C25) .....	8	31.7	7	9.1	2	7.7	3	42.9
Bronchus & lung (C34) .....	15	59.4	36	47.0	19	73.1	2	28.6
Skin (C43-44) .....	—	—	3	3.9	2	7.7	1	14.3
Breast (C50) .....	3	11.9	13	17.0	3	11.5	1	14.3
Cervical (C53) .....	—	—	1	1.3	1	3.8	—	—
Uterine (C54-C55) .....	1	4.0	3	3.9	—	—	—	—
Ovarian (C56) .....	3	11.9	3	3.9	1	3.8	1	14.3
Prostate (C61) .....	7	27.7	7	9.1	1	3.8	1	14.3
Kidney & renal pelvis (C64-C65) .....	4	15.8	5	6.5	1	3.8	1	14.3
Bladder (C67) .....	3	11.9	8	10.4	1	3.8	1	14.3
Brain (C70-C72) .....	1	4.0	1	1.3	1	3.8	1	14.3
Lymphatic (C81-C96) .....	4	15.8	12	15.7	6	23.1	2	28.6
Non-Hodgkin's lymphoma (C82-C85) .....	2	7.9	3	3.9	2	7.7	1	14.3
Leukemia (C91-C95) .....	1	4.0	3	3.9	3	11.5	1	14.3
Benign & uncertain neoplasms (D00-D48) .....	3	11.9	5	6.5	3	11.5	1	14.3
Diabetes mellitus (E10-E14) .....	7	27.7	27	35.3	8	30.8	5	71.5
Organic dementia (F01-F03) .....	12	47.5	26	34.0	20	77.0	6	85.8
Parkinson's disease (G20-G21) .....	6	23.8	3	3.9	2	7.7	3	42.9
Alzheimer's disease (G30) .....	7	27.7	23	30.0	12	46.2	1	14.3
Diseases of the circulatory system (I00-I99) .....	77	304.9	190	248.1	65	250.2	31	443.2
Heart Disease (I00-I09, I11, I13, I20-I51) .....	49	194.0	133	173.7	43	165.5	21	300.2
Ischemic heart disease (I20-I25) .....	26	102.9	83	108.4	29	111.6	15	214.4
Cerebrovascular disease (I60-I69) .....	18	71.3	35	45.7	16	61.6	5	71.5
Intracerebral hemorrhage, etc. (I61-I62) .....	3	11.9	8	10.4	2	7.7	—	—
Cerebral infarction (I63) .....	1	4.0	4	5.2	—	—	—	—
Stroke of unspecified type (I64) .....	12	47.5	20	26.1	12	46.2	4	57.2
Hypertension & hyp. renal dis. (I10, I12, I15) .....	5	19.8	11	14.4	3	11.5	4	57.2
Aortic aneurysm (I71) .....	1	4.0	5	6.5	2	7.7	—	—
Influenza & pneumonia (J09-J18) .....	3	11.9	4	5.2	11	42.3	1	14.3
Chronic lower respiratory diseases (J40-J47) .....	18	71.3	38	49.6	20	77.0	5	71.5
Diseases of the digestive system (K00-K92) .....	19	75.2	25	32.6	9	34.6	6	85.8
Diseases of the genitourinary sys. (N00-N99) .....	2	7.9	14	18.3	5	19.2	1	14.3
Nephritis (N00-N07, N17-N19, N25-N27) .....	1	4.0	10	13.1	3	11.5	1	14.3
Perinatal conditions (P00-P96) .....	2	7.9	1	1.3	2	7.7	2	28.6
Congenital malformations (Q00-Q99) .....	1	4.0	2	2.6	—	—	—	—
Sudden infant death syndrome (R95) .....	1	4.0	—	—	—	—	—	—
Unintentional injuries (V01-X59, Y85-Y86) .....	23	91.1	34	44.4	13	50.0	2	28.6
Suicide (X60-X84, Y87.0) .....	3	11.9	12	15.7	3	11.5	1	14.3
Homicide (X85-Y09, Y87.1) .....	—	—	5	6.5	—	—	—	—
Undetermined intent (Y10-Y34, Y87.2, Y89.9) .....	1	4.0	4	5.2	—	—	—	—
<i>Alcohol-induced</i> <sup>2</sup> .....	9	35.6	8	10.4	5	19.2	2	28.6
<i>Drug-induced</i> <sup>2</sup> .....	5	19.8	5	6.5	—	—	—	—
<i>Injury by firearms</i> <sup>2</sup> .....	3	11.9	14	18.3	4	15.4	1	14.3

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

<sup>2</sup> See Table 6-6, footnotes 35-39, for a list of included conditions and their ICD codes.

— Quantity is zero.

TABLE 6-41. Selected Causes of Death by County, Oregon Residents, 2011 — Continued

Selected Causes of Death (and their ICD-10 codes)	Wasco		Washington		Wheeler		Yamhill	
	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>	No.	Rate <sup>1</sup>
Total .....	312	1233.2	2,917	543.8	21	1463.4	871	872.3
Infections & parasitic disease (A00-B99) .....	7	27.7	57	10.6	—	—	15	15.0
Septicemia (A40-A41) .....	4	15.8	21	3.9	—	—	6	6.0
Viral Hepatitis (B15-B19) .....	3	11.9	7	1.3	—	—	—	—
HIV disease (B20-B24) .....	—	—	6	1.1	—	—	—	—
Malignant neoplasms (C00-C97) .....	63	249.0	694	129.4	4	278.7	207	207.3
Colon (C18) .....	5	19.8	44	8.2	—	—	15	15.0
Pancreas (C25) .....	9	35.6	53	9.9	—	—	13	13.0
Bronchus & lung (C34) .....	13	51.4	138	25.7	1	69.7	52	52.1
Skin (C43-44) .....	—	—	15	2.8	—	—	5	5.0
Breast (C50) .....	7	27.7	36	6.7	—	—	18	18.0
Cervical (C53) .....	—	—	2	0.4	—	—	1	1.0
Uterine (C54-C55) .....	—	—	14	2.6	—	—	3	3.0
Ovarian (C56) .....	1	4.0	26	4.8	—	—	5	5.0
Prostate (C61) .....	3	11.9	46	8.6	—	—	14	14.0
Kidney & renal pelvis (C64-C65) .....	1	4.0	15	2.8	—	—	2	2.0
Bladder (C67) .....	2	7.9	22	4.1	—	—	3	3.0
Brain (C70-C72) .....	2	7.9	22	4.1	1	69.7	7	7.0
Lymphatic (C81-C96) .....	3	11.9	72	13.4	2	139.4	24	24.0
Non-Hodgkin's lymphoma (C82-C85) .....	1	4.0	27	5.0	1	69.7	4	4.0
Leukemia (C91-C95) .....	1	4.0	24	4.5	—	—	14	14.0
Benign & uncertain neoplasms (D00-D48) .....	1	4.0	21	3.9	—	—	7	7.0
Diabetes mellitus (E10-E14) .....	13	51.4	89	16.6	—	—	32	32.0
Organic dementia (F01 F03) .....	30	118.6	215	40.1	1	69.7	53	53.1
Parkinson's disease (G20-G21) .....	4	15.8	32	6.0	—	—	11	11.0
Alzheimer's disease (G30) .....	8	31.6	137	25.5	—	—	37	37.1
Diseases of the circulatory system (I00-I99) .....	105	415.0	751	140.0	11	766.6	252	252.4
Heart Disease (I00-I09, I11, I13, I20-I51) .....	72	284.6	533	99.4	9	627.2	193	193.3
Ischemic heart disease (I20-I25) .....	31	122.5	299	55.7	7	487.8	117	117.2
Cerebrovascular disease (I60-I69) .....	21	83.0	141	26.3	—	—	39	39.1
Intracerebral hemorrhage, etc. (I61-I62) .....	3	11.9	29	5.4	—	—	7	7.0
Cerebral infarction (I63) .....	—	—	6	1.1	—	—	2	2.0
Stroke of unspecified type (I64) .....	12	47.4	81	15.1	—	—	18	18.0
Hypertension & hyp. renal dis. (I10, I12, I15) .....	9	35.6	40	7.5	1	69.7	8	8.0
Aortic aneurysm (I71) .....	1	4.0	16	3.0	—	—	3	3.0
Influenza & pneumonia (J09-J18) .....	5	19.8	32	6.0	—	—	9	9.0
Chronic lower respiratory diseases (J40-J47) .....	24	94.9	134	25.0	—	—	43	43.1
Diseases of the digestive system (K00-K92) .....	13	51.4	134	25.0	—	—	39	39.1
Diseases of the genitourinary sys. (N00-N99) .....	7	27.7	52	9.7	1	69.7	14	14.0
Nephritis (N00-N07, N17-N19, N25-N27) .....	5	19.8	32	6.0	1	69.7	11	11.0
Perinatal conditions (P00-P96) .....	1	4.0	28	5.2	—	—	2	2.0
Congenital malformations (Q00-Q99) .....	1	4.0	14	2.6	—	—	5	5.0
Sudden infant death syndrome (R95) .....	—	—	3	0.6	—	—	1	1.0
Unintentional injuries (V01-X59, Y85-Y86) .....	8	31.6	131	24.4	1	69.7	37	37.1
Suicide (X60-X84, Y87.0) .....	2	7.9	80	14.9	1	69.7	17	17.0
Homicide (X85-Y09, Y87.1) .....	1	4.0	8	1.5	—	—	3	3.0
Undetermined intent (Y10-Y34, Y87.2, Y89.9) .....	1	4.0	6	1.1	1	69.7	1	1.0
<i>Alcohol-induced</i> <sup>2</sup> .....	4	15.8	60	11.2	—	—	16	16.0
<i>Drug-induced</i> <sup>2</sup> .....	3	11.9	53	9.9	—	—	12	12.0
<i>Injury by firearms</i> <sup>2</sup> .....	1	4.0	35	6.5	2	139.4	12	12.0

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

<sup>2</sup> See Table 6-6, footnotes 35-39, for a list of included conditions and their ICD codes.

— Quantity is zero.

**TABLE 6-42. All Deaths and Medical Examiner's Cases by County of Occurrence, Autopsy Status, and Manner of Death, Oregon, 2011**

County of Occurrence and Manner of Death	All Deaths			M.E. Cases		
	Total	Autopsied	Percent Autopsied	Total	Autopsied	Percent Autopsied
Total .....	32,771	1,206	3.7	3,943	863	21.9
Baker .....	175	1	0.6	37	1	2.7
Benton .....	664	17	2.6	61	12	19.7
Clackamas .....	2,914	98	3.4	267	61	22.8
Clatsop .....	308	15	4.9	44	15	34.1
Columbia .....	227	11	4.8	42	10	23.8
Coos .....	793	22	2.8	111	21	18.9
Crook .....	198	4	2.0	33	4	12.1
Curry .....	271	15	5.5	42	14	33.3
Deschutes .....	1,398	28	2.0	167	21	12.6
Douglas .....	1,297	27	2.1	123	24	19.5
Gilliam .....	14	—	—	2	—	—
Grant .....	74	—	—	8	—	—
Harney .....	70	2	2.9	13	2	15.4
Hood River .....	181	3	1.7	24	2	8.3
Jackson .....	2,224	71	3.2	245	56	22.9
Jefferson .....	149	8	5.4	26	7	26.9
Josephine .....	1,217	34	2.8	124	32	25.8
Klamath .....	635	23	3.6	78	19	24.4
Lake .....	69	2	2.9	7	2	28.6
Lane .....	3,360	135	4.0	413	115	27.8
Lincoln .....	522	18	3.4	71	15	21.1
Linn .....	1,004	32	3.2	140	28	20.0
Malheur .....	316	12	3.8	47	12	25.5
Marion .....	2,552	61	2.4	266	43	16.2
Morrow .....	57	3	5.3	12	3	25.0
Multnomah .....	6,514	423	6.5	929	238	25.6
Polk .....	442	6	1.4	46	6	13.0
Sherman .....	9	2	22.2	5	2	40.0
Tillamook .....	237	8	3.4	63	8	12.7
Umatilla .....	536	18	3.4	100	17	17.0
Union .....	243	2	0.8	29	1	3.4
Wallowa .....	72	1	1.4	4	1	25.0
Wasco .....	348	8	2.3	35	8	22.9
Washington .....	2,876	80	2.8	253	49	19.4
Wheeler .....	13	—	—	3	—	—
Yamhill .....	792	16	2.0	73	14	19.2
<b>Manner of Death</b>						
Natural .....	30,158	685	2.3	1,484	350	23.6
Suicide .....	649	45	6.9	645	45	7.0
Homicide .....	106	96	90.6	105	95	90.5
Unintentional .....	1,731	335	19.4	1,612	330	20.5
Undetermined .....	93	38	40.9	89	36	40.4
Legal Intervention .....	6	6	100.0	6	6	100.0
Medical Care Complication	28	1	3.6	2	1	50.0

— Quantity is zero.

**TABLE 6-43. Oregon Occurrence Deaths by Disposal of Remains and County of Residence, 2011**

County of Residence	Total		Burial		Cremation		Entombment		Removal		Other	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Total .....	32,771	100	6,987	21	23,183	71	475	1	1,400	4	726	2
Baker .....	184	100	48	26	126	68	—	—	2	1	8	4
Benton .....	549	100	116	21	405	74	4	1	11	2	13	2
Clackamas .....	2,949	100	655	22	2,061	70	72	2	92	3	69	2
Clatsop .....	354	100	69	19	275	78	—	—	3	1	7	2
Columbia .....	344	100	77	22	229	67	3	1	30	9	5	1
Coos .....	849	100	123	14	679	80	4	<0.5	14	2	29	3
Crook .....	226	100	54	24	166	73	—	—	2	1	4	2
Curry .....	291	100	31	11	243	84	—	—	7	2	10	3
Deschutes .....	1,234	100	204	17	967	78	12	1	26	2	25	2
Douglas .....	1,374	100	260	19	1,041	76	9	1	21	2	43	3
Gilliam .....	18	100	7	39	11	61	—	—	—	—	—	—
Grant .....	83	100	25	30	56	67	1	1	1	1	—	—
Harney .....	77	100	30	39	46	60	—	—	1	1	—	—
Hood River .....	180	100	53	29	109	61	1	1	15	8	2	1
Jackson .....	2,101	100	375	18	1,597	76	18	1	63	3	48	2
Jefferson .....	188	100	76	40	106	56	—	—	2	1	4	2
Josephine .....	1,246	100	232	19	954	77	9	1	36	3	15	1
Klamath .....	685	100	157	23	508	74	1	<0.5	14	2	5	1
Lake .....	76	100	31	41	42	55	—	—	3	4	—	—
Lane .....	3,242	100	566	17	2,463	76	34	1	64	2	115	4
Lincoln .....	571	100	62	11	476	83	1	<0.5	13	2	19	3
Linn .....	1,133	100	279	25	805	71	10	1	19	2	20	2
Malheur .....	261	100	71	27	76	29	—	—	114	44	—	—
Marion .....	2,504	100	606	24	1,755	70	36	1	72	3	35	1
Morrow .....	70	100	23	33	45	64	—	—	1	1	1	1
Multnomah .....	5,329	100	1,235	23	3,662	69	155	3	150	3	127	2
Polk .....	599	100	152	25	405	68	11	2	19	3	12	2
Sherman .....	10	100	3	30	7	70	—	—	—	—	—	—
Tillamook .....	269	100	44	16	208	77	5	2	4	1	8	3
Umatilla .....	515	100	168	33	208	40	3	1	136	26	—	—
Union .....	241	100	83	34	150	62	1	<0.5	5	2	2	1
Wallowa .....	77	100	27	35	31	40	—	—	18	23	1	1
Wasco .....	306	100	76	25	188	61	4	1	34	11	4	1
Washington .....	2,876	100	680	24	1,998	69	56	2	83	3	59	2
Wheeler .....	21	100	5	24	16	76	—	—	—	—	—	—
Yamhill .....	858	100	220	26	582	68	23	3	10	1	23	3
Unknown .....	4	100	—	—	4	100	—	—	—	—	—	—
Out-of-state .....	877	100	64	7	483	55	2	<0.5	315	36	13	1

— Quantity is zero.

**TABLE 6-44. Unintentional Injury Deaths for Selected Causes, by County of Residence, Oregon, 2011**

County of Residence	Total <sup>1</sup>	Motor Vehicle	Falls	Poison - Drugs <sup>2</sup>	Poison - Other <sup>3</sup>	Drowning	Water Transport <sup>4</sup>	Fire
Total .....	1,705	361	590	378	50	56	9	42
Baker .....	17	3	3	4	—	—	—	2
Benton .....	27	8	7	7	1	—	—	—
Clackamas .....	144	31	49	33	3	6	—	3
Clatsop .....	28	5	10	10	—	—	—	1
Columbia .....	28	9	6	5	1	—	1	1
Coos .....	52	13	22	6	2	—	1	1
Crook .....	8	1	2	1	—	—	—	—
Curry .....	14	3	4	3	—	—	—	—
Deschutes .....	62	21	21	14	—	—	—	—
Douglas .....	60	14	22	7	1	4	—	2
Gilliam .....	1	1	—	—	—	—	—	—
Grant .....	2	1	—	—	—	—	—	1
Harney .....	4	2	1	—	—	—	—	—
Hood River .....	12	5	5	1	—	—	—	—
Jackson .....	115	18	47	22	3	5	—	2
Jefferson .....	18	6	4	1	1	1	—	—
Josephine .....	53	14	24	5	—	2	—	2
Klamath .....	37	15	9	5	4	1	—	2
Lake .....	1	—	—	—	—	—	—	—
Lane .....	178	36	68	38	2	8	2	3
Lincoln .....	19	6	4	4	—	—	—	—
Linn .....	59	11	20	18	3	1	—	1
Malheur .....	19	3	7	3	1	1	—	—
Marion .....	136	36	47	24	5	5	—	4
Morrow .....	5	2	1	—	—	—	—	—
Multnomah .....	325	34	111	119	9	13	1	7
Polk .....	31	8	13	2	2	1	1	1
Sherman .....	1	1	—	—	—	—	—	—
Tillamook .....	23	5	8	4	—	1	—	1
Umatilla .....	34	13	8	2	2	1	—	4
Union .....	13	4	5	—	—	—	—	—
Wallowa .....	2	—	—	—	—	1	—	—
Wasco .....	8	4	1	1	2	—	—	—
Washington .....	131	22	51	29	4	2	3	4
Wheeler .....	1	—	1	—	—	—	—	—
Yamhill .....	37	6	9	10	4	3	—	—
Unknown .....	—	—	—	—	—	—	—	—

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

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

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

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

— Quantity is zero.

**TABLE 6-45. Unintentional Injury Deaths for Selected Causes, by County of Injury, Oregon, 2011**

County of Injury <sup>1</sup>	Total <sup>2</sup>	Motor Vehicle	Falls	Poison - Drugs <sup>3</sup>	Poison - Other <sup>4</sup>	Drowning	Water Transport <sup>5</sup>	Fire
Total .....	1,725	366	595	388	50	57	12	41
Baker .....	17	4	4	4	—	—	—	2
Benton .....	26	8	7	7	1	—	—	—
Clackamas .....	139	33	54	33	2	3	—	3
Clatsop .....	33	6	12	9	—	1	—	1
Columbia .....	24	6	4	5	1	—	3	2
Coos .....	50	16	20	6	1	—	1	1
Crook .....	8	1	3	1	—	—	—	—
Curry .....	18	4	5	2	—	1	1	—
Deschutes .....	60	18	23	12	—	1	—	—
Douglas .....	58	12	19	8	1	6	—	2
Gilliam .....	—	—	—	—	—	—	—	—
Grant .....	5	3	—	—	—	1	—	1
Harney .....	6	3	2	—	—	—	—	—
Hood River .....	14	5	7	1	—	—	—	—
Jackson .....	115	25	49	19	3	4	—	2
Jefferson .....	21	7	5	1	1	2	—	—
Josephine .....	50	13	24	4	—	2	—	2
Klamath .....	29	10	8	3	4	1	—	1
Lake .....	2	1	—	—	—	—	—	—
Lane .....	182	35	72	41	3	3	1	4
Lincoln .....	25	9	3	5	—	6	—	—
Linn .....	59	10	20	18	3	1	—	1
Malheur .....	25	4	5	6	1	1	1	—
Marion .....	141	36	54	23	5	5	—	5
Morrow .....	5	3	—	—	—	—	—	—
Multnomah .....	357	39	110	139	9	12	2	6
Polk .....	17	3	7	1	2	1	—	—
Sherman .....	3	3	—	—	—	—	—	—
Tillamook .....	29	10	6	5	—	3	1	1
Umatilla .....	34	12	9	1	2	—	—	4
Union .....	12	4	5	—	—	—	—	—
Wallowa .....	2	—	—	—	—	1	—	—
Wasco .....	9	3	2	1	2	—	1	—
Washington .....	114	16	45	25	4	—	—	3
Wheeler .....	1	—	1	—	—	—	—	—
Yamhill .....	35	4	10	8	5	2	1	—
Unknown .....	—	—	—	—	—	—	—	—

<sup>1</sup> 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.

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

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

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

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

— Quantity is zero.

**TABLE 6-46t. Age-adjusted Death Rates<sup>1</sup> for Selected Causes, Oregon Residents, 2007-2011**

Cause of Death	2007	2008	2009	2010	2011
<b>Total</b> .....	771.6	772.8	739.7	735.0	730.0
Infectious & parasitic disease (A00-B99) .....	14.9	13.7	14.4	14.8	14.1
Septicemia (A40-A41) .....	5.7	5.4	5.3	5.2	4.6
Viral hepatitis (B15-B19) .....	4.2	3.8	3.9	3.8	3.8
HIV disease (B20-B24) <sup>2</sup> .....	1.5	1.0	1.1	1.2	0.9
Malignant neoplasms (C00-C97) .....	184.7	182.8	176.7	177.9	172.7
Lip, oral & pharynx (C00-C14) .....	2.3	2.6	2.4	2.2	2.3
Esophagus (C15) .....	5.1	4.6	4.6	4.4	4.2
Stomach (C16) .....	2.9	2.6	2.1	3.0	2.5
Colon, rectum & anus (C18-C21) .....	17.8	16.3	15.4	15.2	16.2
Liver & intrahepatic bile duct (C22) .....	4.8	5.6	6.2	6.1	6.1
Pancreas (C25) .....	11.8	11.5	10.2	11.6	11.0
Trachea, bronchus & lung (C33-C34) .....	51.5	51.4	49.6	48.5	45.6
Melanoma of skin (C43) .....	2.9	3.1	3.6	3.4	3.4
Breast (C50) .....	12.1	12.6	10.6	12.7	11.1
Cervix uteri (C53) .....	0.8	1.2	1.0	0.9	1.2
Corpus uteri (C54-C55) <sup>2</sup> .....	2.2	2.2	2.0	2.4	2.5
Ovary (C56) .....	5.3	5.0	5.0	5.1	5.1
Prostate (C61) .....	10.3	10.8	10.4	9.3	9.7
Kidney & renal pelvis (C64-C65) .....	3.3	4.1	4.1	4.3	4.1
Bladder (C67) .....	4.7	4.8	4.8	5.1	5.1
Brain, etc. (C70-C72) <sup>2</sup> .....	5.3	4.9	5.6	4.7	4.9
Lymphoid & hematopoietic (C81-C96) .....	18.7	18.8	17.8	17.8	17.0
Non-Hodgkin's lymphoma (C82-C85) .....	7.0	7.0	6.5	7.0	5.8
Leukemia (C91-C95) .....	6.8	7.5	7.2	7.0	7.0
Lymphoid leukemia (C91) .....	2.3	2.1	2.6	2.1	2.1
Myeloid leukemia (C92) <sup>2</sup> .....	3.2	4.1	3.4	3.5	3.8
Multiple myeloma (C88, C90) .....	4.5	3.9	3.5	3.5	3.7
Anemias (D50-D64) .....	1.4	1.7	1.2	1.4	1.3
Diabetes mellitus (E10-E14) .....	27.9	24.8	25.3	24.2	24.8
Organic dementia (F01, F03) <sup>2</sup> .....	33.2	38.3	37.8	41.6	43.4
Amyotrophic lateral sclerosis (G12.2) .....	2.3	3.0	2.7	2.8	2.7
Parkinson's disease (G20-G21) .....	8.1	8.7	8.3	8.5	8.0
Alzheimer's disease (G30) .....	28.0	30.5	27.7	28.7	28.8
Major cardiovascular diseases (I00-I78) .....	222.5	218.3	204.6	198.1	196.1
Heart disease (I00-I09, I11, I13, I20-I51) .....	159.7	154.4	143.0	139.7	136.2
Rheumatic heart disease (I00-I09) <sup>2</sup> .....	1.5	1.5	1.6	1.3	1.6
Hypertensive heart disease (I11) .....	5.6	6.1	5.8	5.3	4.9
Hypertensive heart & renal disease (I13) .....	0.8	0.7	0.9	0.8	1.2
Ischemic heart disease (I20-I25) .....	95.4	92.6	84.5	79.9	75.8
Myocardial infarction (I21-I22) .....	31.2	31.0	27.2	25.3	23.8
Chronic ischemic heart disease (I20, I25) .....	63.6	61.0	56.6	54.0	51.4
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	6.0	5.5	4.2	4.2	4.3
Other chr. isch. hrt. dis. (I20, I25.1-I25.9) <sup>2</sup> .....	57.6	55.5	52.4	49.8	47.1
Nonrheumatic mitral valve disease (I34) .....	1.8	1.3	1.1	1.2	1.0
Nonrheumatic aortic valve disease (I35) .....	9.7	8.4	8.4	8.7	9.1
Heart failure (I50) .....	16.7	16.9	14.8	15.4	16.2
Hypertension & hyp. renal disease (I10, I12, I15) .....	8.6	9.5	9.5	9.8	9.7
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	44.5	45.6	44.0	40.5	42.0
Subarachnoid hemorrhage (I60) .....	1.9	1.5	1.4	1.5	1.7
Intracerebral hemorrhage (I61-I62) <sup>2</sup> .....	8.6	9.0	8.8	8.4	7.5
Cerebral infarction (I63) .....	2.1	1.6	1.6	1.8	2.0
Stroke (type not specified) (I64) .....	22.0	23.8	24.0	21.7	22.9

See footnotes at end of table.

**TABLE 6-46t. Age-adjusted Death Rates<sup>1</sup> for Selected Causes, Oregon Residents, 2007-2011 — Continued**

Cause of Death	2007	2008	2009	2010	2011
Atherosclerosis (I70) .....	3.0	2.2	1.8	1.6	2.0
Aortic aneurysm & dissection (I71) .....	4.2	3.6	3.7	3.5	3.5
Diseases of arteries (I72-I78) <sup>2</sup> .....	2.5	2.9	2.7	2.9	2.8
Influenza & pneumonia (J09-J18) .....	11.4	12.3	12.0	9.3	8.7
Pneumonia (J12-J18) .....	11.3	11.8	10.4	9.2	8.4
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	47.5	48.2	46.4	46.5	45.6
Emphysema (J43) .....	6.1	5.8	5.6	5.0	3.9
Asthma (J45-J46) .....	1.6	1.6	1.7	1.4	1.0
Other CLRD (J44, J47) .....	39.5	40.5	39.0	39.8	40.5
Pneumonitis from solids & liquids (J69) .....	4.8	3.8	3.5	3.9	3.5
Peptic ulcer (K25-K28) .....	1.0	1.0	1.0	1.2	1.2
Vascular disorders of the intestine (K55) .....	2.6	3.0	2.6	3.1	2.9
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	11.3	11.1	11.8	11.4	12.2
Alcoholic liver disease (K70) <sup>2</sup> .....	8.1	7.3	8.6	8.1	9.0
Cholelithiasis (K80-K82) <sup>2</sup> .....	1.0	1.3	1.3	1.3	1.2
Musculoskeletal disease (M00-M99) <sup>2</sup> .....	5.8	5.4	5.2	5.0	4.9
Genitourinary system disease (N00-N99) .....	16.1	13.9	13.6	13.7	11.9
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	10.5	9.7	9.1	9.0	7.2
Renal failure (N17-N19) .....	9.2	8.3	7.5	7.5	6.3
Urinary tract infection (N39.0) .....	4.1	2.7	2.9	3.5	3.1
Perinatal conditions (P00-P96) .....	3.9	3.4	3.3	3.2	3.4
Congenital malformations (Q00-Q99) <sup>2</sup> .....	3.4	3.6	2.6	3.2	3.5
Malformation of the heart (Q20-Q24) .....	0.8	1.1	0.7	1.0	1.1
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	14.4	15.7	15.6	13.6	14.7
Unintentional injuries (V01-X59, Y85-Y86) .....	41.7	42.4	38.8	37.8	40.4
Transport accidents (V01-V99, Y85) .....	14.4	12.9	11.1	9.0	10.0
Motor vehicle accidents (many codes) <sup>2</sup> .....	12.9	11.5	9.9	8.1	9.0
Motor vehicle traffic accidents (many codes) <sup>2</sup> .....	12.1	10.6	9.3	7.7	8.4
Water & air, etc. (V90-V99, Y85) .....	1.0	1.0	0.9	0.6	0.7
Nontransport accidents (W00-X59, Y86) .....	27.2	29.5	27.7	28.8	30.4
Falls (W00-W19) .....	9.8	10.7	10.8	12.1	12.8
Drowning & submersion (W65-W74) .....	1.8	2.0	1.5	1.5	1.4
Exposure to smoke & fire (X00-X09) .....	0.9	0.8	0.6	*	1.0
Poisoning (X40-X49) <sup>2</sup> .....	9.5	10.7	10.1	9.8	10.9
Suicide (X60-X84, Y87.0) .....	15.6	14.7	16.1	17.1	16.2
Poisoning (X60-X69) .....	2.9	2.5	3.0	3.5	2.7
Hanging/suffocation (X70) .....	2.7	3.0	3.3	3.1	3.8
Firearm discharge (X72-X74) .....	8.4	8.1	8.5	9.3	8.4
Homicide (X85-Y09, Y87.1) .....	2.1	2.6	2.6	2.9	2.8
Firearm discharge (X93-X95) .....	1.1	1.2	1.4	1.5	1.6
Undetermined intent (Y10-Y34, Y87.2, Y89.9) .....	3.2	2.1	2.4	2.6	2.2
<i>Alcohol-induced (many codes)<sup>2</sup> .....</i>	13.1	12.9	13.4	13.0	14.6
<i>Drug-induced (many codes)<sup>2</sup> .....</i>	14.6	14.0	14.5	14.5	14.8
<i>Injury by firearms (many codes)<sup>2</sup> .....</i>	10.0	9.8	10.3	11.4	10.4

<sup>1</sup> 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.

<sup>2</sup> See footnote for this cause in Table 6-6.

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



**TABLE 6-46m. Age-adjusted Death Rates<sup>1</sup> for Selected Causes, Oregon Resident Males, 2007-2011**

Cause of Death	2007	2008	2009	2010	2011
<b>Total</b> .....	897.0	903.7	860.3	849.2	856.3
Infectious & parasitic disease (A00-B99) .....	17.7	16.5	18.4	16.5	17.9
Septicemia (A40-A41) .....	6.0	5.9	6.1	4.9	5.5
Viral hepatitis (B15-B19) .....	5.4	4.8	5.7	4.9	5.3
HIV disease (B20-B24) <sup>2</sup> .....	2.5	1.8	1.8	2.3	1.6
Malignant neoplasms (C00-C97) .....	219.4	214.2	210.2	206.5	203.0
Lip, oral & pharynx (C00-C14) .....	3.9	4.0	3.1	3.4	3.4
Esophagus (C15) .....	9.1	7.9	8.1	7.6	7.1
Stomach (C16) .....	4.6	3.4	3.0	3.8	3.4
Colon, rectum & anus (C18-C21) .....	21.2	18.3	18.0	18.1	18.1
Liver & intrahepatic bile duct (C22) .....	6.3	8.2	9.1	9.2	8.9
Pancreas (C25) .....	13.2	12.1	11.3	13.5	12.4
Trachea, bronchus & lung (C33-C34) .....	60.4	61.7	57.4	56.2	51.8
Melanoma of skin (C43) .....	4.0	4.2	4.3	4.7	4.9
Breast (C50) .....	*	*	*	—	*
Cervix uteri (C53) .....	—	—	—	—	—
Corpus uteri (C54-C55) <sup>2</sup> .....	—	—	—	—	—
Ovary (C56) .....	—	—	—	—	—
Prostate (C61) .....	25.4	25.9	24.9	22.2	23.7
Kidney & renal pelvis (C64-C65) .....	4.7	6.0	5.8	6.2	6.0
Bladder (C67) .....	7.8	8.2	8.6	8.8	9.3
Brain, etc. (C70-C72) <sup>2</sup> .....	6.6	5.8	7.8	5.5	6.2
Lymphoid & hematopoietic (C81-C96) .....	24.4	24.4	23.2	22.3	23.6
Non-Hodgkin's lymphoma (C82-C85) .....	9.1	8.6	8.5	9.1	7.7
Leukemia (C91-C95) .....	8.2	9.9	9.8	8.1	10.2
Lymphoid leukemia (C91) .....	2.8	2.9	3.6	2.4	3.1
Myeloid leukemia (C92) <sup>2</sup> .....	4.0	5.3	4.2	4.4	5.3
Multiple myeloma (C88, C90) .....	6.5	5.3	4.3	4.6	4.9
Anemias (D50-D64) .....	1.6	1.7	*	1.4	1.3
Diabetes mellitus (E10-E14) .....	32.7	31.1	29.7	30.0	30.3
Organic dementia (F01, F03) <sup>2</sup> .....	29.0	31.0	32.4	36.2	39.2
Amyotrophic lateral sclerosis (G12.2) .....	2.3	3.6	2.8	2.8	3.2
Parkinson's disease (G20-G21) .....	11.8	12.4	14.0	12.8	11.8
Alzheimer's disease (G30) .....	21.3	24.2	23.5	23.9	22.8
Major cardiovascular diseases (I00-I78) .....	266.7	264.3	245.1	237.7	240.3
Heart disease (I00-I09, I11, I13, I20-I51) .....	199.6	196.9	180.8	176.2	178.2
Rheumatic heart disease (I00-I09) <sup>2</sup> .....	1.3	*	1.3	1.3	1.4
Hypertensive heart disease (I11) .....	4.8	5.6	5.4	5.4	4.3
Hypertensive heart & renal disease (I13) .....	*	*	*	*	1.4
Ischemic heart disease (I20-I25) .....	132.9	131.6	118.9	112.7	112.0
Myocardial infarction (I21-I22) .....	42.0	41.7	35.2	33.6	32.2
Chronic ischemic heart disease (I20, I25) .....	90.2	89.0	83.0	78.4	79.1
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	7.3	7.7	5.7	6.2	5.7
Other chr. isch. hrt. dis. (I20, I25.1-I25.9) <sup>2</sup> .....	82.9	81.3	77.3	72.2	73.4
Nonrheumatic mitral valve disease (I34) .....	2.0	*	1.5	1.2	*
Nonrheumatic aortic valve disease (I35) .....	10.2	9.0	8.6	9.0	10.4
Heart failure (I50) .....	17.3	19.2	15.6	16.3	18.8
Hypertension & hyp. renal disease (I10, I12, I15) .....	8.5	10.2	9.2	9.5	10.0
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	46.4	45.8	46.1	42.2	41.8
Subarachnoid hemorrhage (I60) .....	1.9	*	*	1.5	1.4
Intracerebral hemorrhage (I61-I62) <sup>2</sup> .....	9.5	10.4	10.7	9.4	8.1
Cerebral infarction (I63) .....	2.3	1.8	1.5	2.0	1.7
Stroke (type not specified) (I64) .....	21.5	22.5	23.6	21.5	21.9

See footnotes at end of table.

**TABLE 6-46m. Age-adjusted Death Rates<sup>1</sup> for Selected Causes, Oregon Resident Males, 2007-2011 — Continued**

Cause of Death	2007	2008	2009	2010	2011
Atherosclerosis (I70) .....	3.8	2.7	1.9	1.8	2.3
Aortic aneurysm & dissection (I71) .....	5.8	5.3	4.2	4.9	4.8
Diseases of arteries (I72-I78) <sup>2</sup> .....	2.6	3.4	2.9	3.2	3.2
Influenza & pneumonia (J09-J18) .....	13.9	15.2	13.8	10.6	10.8
Pneumonia (J12-J18) .....	13.7	14.7	12.0	10.5	10.5
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	53.7	56.5	51.0	51.6	50.3
Emphysema (J43) .....	6.9	7.6	6.4	6.3	4.2
Asthma (J45-J46) .....	1.3	1.2	1.3	*	*
Other CLRD (J44, J47) .....	45.4	47.2	43.2	44.3	45.1
Pneumonitis from solids & liquids (J69) .....	6.4	4.9	4.8	5.7	4.4
Peptic ulcer (K25-K28) .....	1.4	1.3	1.1	1.2	1.3
Vascular disorders of the intestine (K55) .....	2.2	2.1	2.3	2.4	2.5
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	14.7	14.4	15.8	14.8	15.9
Alcoholic liver disease (K70) <sup>2</sup> .....	11.1	9.9	12.0	11.2	12.1
Cholelithiasis (K80-K82) <sup>2</sup> .....	*	1.3	1.7	1.3	1.5
Musculoskeletal disease (M00-M99) <sup>2</sup> .....	4.2	4.6	3.7	3.2	4.0
Genitourinary system disease (N00-N99) .....	16.5	16.5	14.9	15.6	13.2
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	11.9	12.0	10.5	11.4	9.1
Renal failure (N17-N19) .....	10.2	10.4	8.1	9.8	7.9
Urinary tract infection (N39.0) .....	2.7	2.3	2.7	2.8	2.0
Perinatal conditions (P00-P96) .....	4.0	3.6	3.4	3.7	3.8
Congenital malformations (Q00-Q99) <sup>2</sup> .....	3.2	3.7	2.8	3.4	3.0
Malformation of the heart (Q20-Q24) .....	*	1.1	*	*	*
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	14.5	15.5	14.6	13.7	13.8
Unintentional injuries (V01-X59, Y85-Y86) .....	55.9	57.1	50.6	49.1	52.9
Transport accidents (V01-V99, Y85) .....	21.5	18.1	16.1	13.3	15.1
Motor vehicle accidents (many codes) <sup>2</sup> .....	19.2	15.6	14.1	12.0	13.5
Motor vehicle traffic accidents (many codes) <sup>2</sup> .....	17.9	14.3	13.0	11.4	12.4
Water & air, etc. (V90-V99, Y85) .....	1.5	1.8	1.6	*	1.1
Nontransport accidents (W00-X59, Y86) .....	34.3	39.0	34.5	35.8	37.8
Falls (W00-W19) .....	11.3	13.0	11.6	14.1	14.6
Drowning & submersion (W65-W74) .....	2.9	3.5	2.3	2.7	2.3
Exposure to smoke & fire (X00-X09) .....	*	1.2	*	*	1.1
Poisoning (X40-X49) <sup>2</sup> .....	12.2	14.6	13.3	12.4	14.4
Suicide (X60-X84, Y87.0) .....	24.9	23.5	24.8	27.2	26.2
Poisoning (X60-X69) .....	3.6	2.8	3.1	3.8	2.7
Hanging/suffocation (X70) .....	4.1	4.7	5.1	4.8	6.2
Firearm discharge (X72-X74) .....	14.9	14.6	14.9	16.8	15.5
Homicide (X85-Y09, Y87.1) .....	3.2	4.1	3.3	3.3	4.2
Firearm discharge (X93-X95) .....	1.7	2.0	1.9	1.9	2.4
Undetermined intent (Y10-Y34, Y87.2, Y89.9) .....	3.2	2.3	2.6	3.2	2.8
Alcohol-induced (many codes) <sup>2</sup> .....	18.8	18.5	19.7	19.2	20.9
Drug-induced (many codes) <sup>2</sup> .....	16.9	17.0	17.4	17.1	18.6
Injury by firearms (many codes) <sup>2</sup> .....	17.5	17.3	17.6	19.8	18.7

<sup>1</sup> 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.

<sup>2</sup> See footnote for this cause in Table 6-6.

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

- Quantity is zero.

**TABLE 6-46f. Age-adjusted Death Rates<sup>1</sup> for Selected Causes, Oregon Resident Females, 2007-2011**

Cause of Death	2007	2008	2009	2010	2011
<b>Total</b> .....	664.4	662.2	637.7	638.0	626.3
Infectious & parasitic disease (A00-B99) .....	12.1	10.9	10.9	13.2	10.9
Septicemia (A40-A41) .....	5.4	5.1	4.8	5.4	3.8
Viral hepatitis (B15-B19) .....	3.1	2.7	2.2	2.7	2.4
HIV disease (B20-B24) <sup>2</sup> .....	*	*	*	—	*
Malignant neoplasms (C00-C97) .....	159.6	159.4	152.4	156.7	151.1
Lip, oral & pharynx (C00-C14) .....	1.0	1.3	1.8	1.2	1.5
Esophagus (C15) .....	1.9	1.8	1.6	1.7	1.7
Stomach (C16) .....	1.5	1.9	1.5	2.3	1.7
Colon, rectum & anus (C18-C21) .....	14.9	14.5	13.3	12.8	14.7
Liver & intrahepatic bile duct (C22) .....	3.6	3.2	3.6	3.3	3.7
Pancreas (C25) .....	10.6	10.8	9.3	10.0	9.9
Trachea, bronchus & lung (C33-C34) .....	44.5	43.2	43.6	42.5	40.8
Melanoma of skin (C43) .....	2.0	2.3	3.0	2.4	2.2
Breast (C50) .....	21.9	22.9	19.4	23.7	20.4
Cervix uteri (C53) .....	1.6	2.4	1.9	1.7	2.3
Corpus uteri (C54-C55) <sup>2</sup> .....	4.0	4.0	3.6	4.4	4.6
Ovary (C56) .....	9.7	9.2	9.3	9.4	9.3
Prostate (C61) .....	—	—	—	—	—
Kidney & renal pelvis (C64-C65) .....	2.3	2.5	2.6	2.8	2.6
Bladder (C67) .....	2.5	2.4	2.0	2.3	2.2
Brain, etc. (C70-C72) <sup>2</sup> .....	4.2	4.2	3.6	3.9	3.7
Lymphoid & hematopoietic (C81-C96) .....	14.3	14.7	13.5	14.3	11.9
Non-Hodgkin's lymphoma (C82-C85) .....	5.4	5.8	4.9	5.3	4.3
Leukemia (C91-C95) .....	5.5	5.8	5.3	6.0	4.6
Lymphoid leukemia (C91) .....	1.9	1.6	1.8	1.8	1.4
Myeloid leukemia (C92) <sup>2</sup> .....	2.5	3.3	2.8	2.8	2.6
Multiple myeloma (C88, C90) .....	2.9	2.7	2.9	2.7	2.6
Anemias (D50-D64) .....	1.3	1.9	1.4	1.4	1.2
Diabetes mellitus (E10-E14) .....	23.5	19.8	21.4	19.4	20.4
Organic dementia (F01, F03) <sup>2</sup> .....	35.6	42.4	40.8	44.6	45.9
Amyotrophic lateral sclerosis (G12.2) .....	2.3	2.4	2.6	2.7	2.2
Parkinson's disease (G20-G21) .....	5.6	6.2	4.4	5.5	5.4
Alzheimer's disease (G30) .....	32.1	34.3	30.1	31.9	32.5
Major cardiovascular diseases (I00-I78) .....	185.1	180.5	170.8	165.0	160.3
Heart disease (I00-I09, I11, I13, I20-I51) .....	126.8	120.7	112.2	110.3	103.2
Rheumatic heart disease (I00-I09) <sup>2</sup> .....	1.7	1.8	1.9	1.3	1.8
Hypertensive heart disease (I11) .....	5.9	6.1	5.8	5.0	5.0
Hypertensive heart & renal disease (I13) .....	0.9	*	0.9	0.9	1.1
Ischemic heart disease (I20-I25) .....	65.0	62.3	57.2	53.7	48.1
Myocardial infarction (I21-I22) .....	22.4	22.5	20.5	18.6	17.0
Chronic ischemic heart disease (I20, I25) .....	42.2	39.5	36.2	34.8	30.5
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	4.7	3.8	3.0	2.6	3.0
Other chr. isch. hrt. dis. (I20, I25.1-I25.9) <sup>2</sup> .....	37.5	35.7	33.2	32.2	27.5
Nonrheumatic mitral valve disease (I34) .....	1.7	1.6	0.9	1.1	1.1
Nonrheumatic aortic valve disease (I35) .....	9.3	7.9	8.2	8.4	8.2
Heart failure (I50) .....	16.2	15.4	14.0	14.6	14.2
Hypertension & hyp. renal disease (I10, I12, I15) .....	8.2	8.5	9.3	9.8	9.0
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	42.5	44.6	42.1	38.4	41.5
Subarachnoid hemorrhage (I60) .....	1.9	1.9	1.8	1.5	2.0
Intracerebral hemorrhage (I61-I62) <sup>2</sup> .....	7.7	8.0	7.3	7.5	7.0
Cerebral infarction (I63) .....	1.9	1.5	1.6	1.5	2.1
Stroke (type not specified) (I64) .....	22.0	24.1	24.0	21.4	23.2

See footnotes at end of table.

**TABLE 6-46f. Age-adjusted Death Rates<sup>1</sup> for Selected Causes, Oregon Resident Females, 2007-2011 — Continued**

Cause of Death	2007	2008	2009	2010	2011
Atherosclerosis (I70) .....	2.3	1.8	1.7	1.3	1.8
Aortic aneurysm & dissection (I71) .....	3.0	2.4	3.2	2.4	2.4
Diseases of arteries (I72-I78) <sup>2</sup> .....	2.3	2.5	2.4	2.8	2.5
Influenza & pneumonia (J09-J18) .....	9.7	10.4	10.5	8.6	7.6
Pneumonia (J12-J18) .....	9.5	10.0	9.2	8.6	7.2
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	43.2	42.4	43.6	42.8	42.9
Emphysema (J43) .....	5.6	4.5	5.1	4.1	3.8
Asthma (J45-J46) .....	1.8	1.8	1.9	1.9	1.4
Other CLRD (J44, J47) .....	35.5	35.9	36.4	36.5	37.6
Pneumonitis from solids & liquids (J69) .....	3.6	3.1	2.7	2.8	2.8
Peptic ulcer (K25-K28) .....	*	0.8	0.9	1.2	1.1
Vascular disorders of the intestine (K55) .....	2.9	3.7	2.9	3.7	3.2
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	8.0	8.0	8.1	8.1	8.8
Alcoholic liver disease (K70) <sup>2</sup> .....	5.2	4.9	5.3	5.1	6.1
Cholelithiasis (K80-K82) <sup>2</sup> .....	1.1	1.3	1.0	1.3	1.0
Musculoskeletal disease (M00-M99) <sup>2</sup> .....	6.9	5.9	6.3	6.3	5.6
Genitourinary system disease (N00-N99) .....	15.9	12.0	12.8	12.7	11.1
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	9.6	8.0	8.3	7.3	6.0
Renal failure (N17-N19) .....	8.6	6.8	7.2	5.9	5.2
Urinary tract infection (N39.0) .....	5.0	2.9	3.0	4.1	3.9
Perinatal conditions (P00-P96) .....	3.8	3.1	3.1	2.7	2.9
Congenital malformations (Q00-Q99) <sup>2</sup> .....	3.5	3.4	2.3	2.9	3.8
Malformation of the heart (Q20-Q24) .....	*	1.1	*	*	1.3
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	13.9	15.2	15.8	13.0	14.8
Unintentional injuries (V01-X59, Y85-Y86) .....	27.8	28.6	27.0	26.9	28.8
Transport accidents (V01-V99, Y85) .....	7.7	7.9	6.2	4.7	5.2
Motor vehicle accidents (many codes) <sup>2</sup> .....	6.8	7.5	5.9	4.3	4.7
Motor vehicle traffic accidents (many codes) <sup>2</sup> .....	6.5	7.1	5.7	4.0	4.6
Water & air, etc. (V90-V99, Y85) .....	*	*	*	*	*
Nontransport accidents (W00-X59, Y86) .....	20.1	20.8	20.8	22.2	23.6
Falls (W00-W19) .....	8.2	8.9	9.8	10.6	11.5
Drowning & submersion (W65-W74) .....	*	*	*	*	*
Exposure to smoke & fire (X00-X09) .....	*	*	*	*	1.0
Poisoning (X40-X49) <sup>2</sup> .....	6.6	6.9	6.8	7.0	7.3
Suicide (X60-X84, Y87.0) .....	6.9	6.4	7.9	7.5	6.7
Poisoning (X60-X69) .....	2.3	2.2	2.9	3.3	2.6
Hanging/suffocation (X70) .....	1.3	1.2	1.7	1.4	1.5
Firearm discharge (X72-X74) .....	2.5	2.2	2.5	2.2	1.8
Homicide (X85-Y09, Y87.1) .....	*	1.1	1.9	2.5	1.3
Firearm discharge (X93-X95) .....	*	*	*	1.1	*
Undetermined intent (Y10-Y34, Y87.2, Y89.9) .....	3.2	2.0	2.2	2.0	1.8
Alcohol-induced (many codes) <sup>2</sup> .....	7.8	7.7	7.4	7.2	8.7
Drug-induced (many codes) <sup>2</sup> .....	12.4	11.0	11.5	11.8	11.0
Injury by firearms (many codes) <sup>2</sup> .....	3.0	2.7	3.4	3.4	2.7

<sup>1</sup> 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.

<sup>2</sup> See footnote for this cause in Table 6-6.

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

— Quantity is zero.

**TABLE 6-47t. Age-adjusted Death Rates<sup>1</sup> for Selected Causes by County/Geographic Region, Oregon Residents, 2009-2011**

Cause of Death	State	Clackamas	Deschutes	Douglas	Jackson
<b>Total</b> .....	734.5	728.8	652.4	838.6	744.4
Infectious & parasitic disease (A00-B99) .....	14.5	12.0	6.7	19.0	14.0
Septicemia (A40-A41) .....	5.0	4.6	*	4.8	4.4
Malignant neoplasms (C00-C97) .....	175.7	178.1	151.4	199.7	176.1
Esophagus (C15) .....	4.4	4.4	*	4.7	4.1
Colon, rectum & anus (C18-C21) .....	15.6	15.7	10.3	16.1	15.7
Pancreas (C25) .....	11.0	10.8	13.7	12.9	10.1
Trachea, bronchus & lung (C33-C34) .....	47.8	48.2	36.3	64.7	44.5
Breast (C50) .....	11.5	13.3	8.9	8.6	12.1
Ovary (C56) .....	5.1	5.5	4.5	4.6	5.4
Prostate (C61) .....	9.8	9.0	10.3	9.0	9.7
Brain, etc. (C70-C72) <sup>2</sup> .....	5.0	5.2	5.1	6.5	4.3
Lymphoid & hematopoietic (C81-C96) .....	17.5	18.9	18.3	18.9	18.6
Non-Hodgkin's lymphoma (C82-C85) .....	6.4	6.6	6.3	6.6	7.2
Leukemia (C91-C95) .....	7.1	7.7	7.0	8.5	6.8
Diabetes mellitus (E10-E14) .....	24.8	24.8	21.4	31.1	20.8
Parkinson's disease (G20-G21) .....	8.3	9.3	8.2	7.7	7.8
Alzheimer's disease (G30) .....	28.4	33.9	26.4	35.7	33.9
Major cardiovascular diseases (I00-I78) .....	199.5	197.6	179.3	233.3	199.3
Heart disease (I00-I09, I11, I13, I20-I51) .....	139.5	139.9	126.6	166.5	138.7
Hypertensive heart disease (I11) .....	5.3	5.7	6.5	*	4.3
Ischemic heart disease (I20-I25) .....	80.0	75.6	71.6	100.9	78.6
Myocardial infarction (I21-I22) .....	25.4	21.9	19.6	33.9	18.2
Chronic ischemic heart disease (I20, I25) .....	54.0	52.9	51.3	66.0	59.6
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	4.2	2.8	7.6	*	5.4
Heart failure (I50) .....	15.4	15.4	14.6	14.7	17.6
Hypertension & hyp. renal disease (I10, I12, I15) .....	9.7	9.1	7.9	14.2	11.1
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	42.2	42.6	37.8	45.3	43.9
Atherosclerosis (I70) .....	1.8	*	*	*	*
Aortic aneurysm & dissection (I71) .....	3.6	3.2	*	4.8	2.7
Influenza & pneumonia (J09-J18) .....	10.0	8.7	8.0	9.2	10.9
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	46.1	38.4	46.2	61.7	52.5
Emphysema (J43) .....	4.8	4.6	3.7	4.7	6.0
Other CLRD (J44, J47) .....	39.7	33.0	41.7	55.3	44.2
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	11.8	8.6	12.5	12.8	15.0
Alcoholic liver disease (K70) <sup>2</sup> .....	8.6	6.2	10.3	7.1	12.0
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	8.4	8.5	4.3	10.5	7.2
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	14.6	14.3	12.2	12.7	14.8
Unintentional injuries (V01-X59, Y85-Y86) .....	39.0	36.5	36.7	45.8	39.8
Transport accidents (V01-V99, Y85) .....	10.0	8.3	11.2	15.8	10.5
Motor vehicle accidents (many codes) <sup>2</sup> .....	9.0	7.6	10.5	14.4	9.8
Nontransport accidents (W00-X59, Y86) .....	29.0	28.2	25.5	29.9	29.3
Falls (W00-W19) .....	11.9	13.9	12.2	10.1	13.1
Poisoning (X40-X49) <sup>2</sup> .....	10.2	8.7	8.5	8.2	9.4
Suicide (X60-X84, Y87.0) .....	16.4	14.8	19.5	16.8	20.1
Homicide (X85-Y09, Y87.1) .....	2.7	*	*	*	*
Alcohol-induced (many codes) <sup>2</sup> .....	13.8	9.7	14.1	13.0	15.4
Drug-induced (many codes) <sup>2</sup> .....	14.6	13.9	12.1	11.7	16.1
Injury by firearms (many codes) <sup>2</sup> .....	10.7	7.9	12.5	13.9	11.6

See footnotes at end of table.

**TABLE 6-47t. Age-adjusted Death Rates<sup>1</sup> for Selected Causes by County/Geographic Region, Oregon Residents, 2009-2011 — Continued**

Cause of Death	Josephine	Lane	Linn	Marion	Multnomah
<b>Total</b> .....	849.6	729.6	816.3	758.4	750.8
Infectious & parasitic disease (A00-B99) .....	18.9	15.5	16.5	16.6	17.4
Septicemia (A40-A41) .....	5.3	6.9	6.1	4.8	5.5
Malignant neoplasms (C00-C97) .....	204.6	173.5	198.3	171.7	178.7
Esophagus (C15) .....	*	4.9	*	4.8	4.1
Colon, rectum & anus (C18-C21) .....	14.8	15.6	18.2	15.1	15.7
Pancreas (C25) .....	15.1	11.3	10.0	9.5	11.5
Trachea, bronchus & lung (C33-C34) .....	56.2	47.3	56.3	47.6	50.7
Breast (C50) .....	13.6	11.3	15.9	10.3	11.1
Ovary (C56) .....	*	6.2	4.8	4.9	5.4
Prostate (C61) .....	12.5	9.4	11.7	9.2	9.0
Brain, etc. (C70-C72) <sup>2</sup> .....	*	5.1	5.6	4.4	4.5
Lymphoid & hematopoietic (C81-C96) .....	22.3	17.2	20.4	16.4	17.0
Non-Hodgkin's lymphoma (C82-C85) .....	5.6	6.1	8.5	5.4	6.2
Leukemia (C91-C95) .....	10.3	8.3	8.0	7.1	7.0
Diabetes mellitus (E10-E14) .....	28.5	21.5	27.8	32.3	25.8
Parkinson's disease (G20-G21) .....	7.6	8.7	7.4	9.1	9.3
Alzheimer's disease (G30) .....	23.9	31.2	28.5	20.9	30.2
Major cardiovascular diseases (I00-I78) .....	227.0	180.0	239.8	205.4	202.0
Heart disease (I00-I09, I11, I13, I20-I51) .....	160.5	125.7	162.4	140.8	140.0
Hypertensive heart disease (I11) .....	5.3	4.5	4.6	3.8	6.9
Ischemic heart disease (I20-I25) .....	96.4	66.8	98.5	79.1	76.5
Myocardial infarction (I21-I22) .....	27.1	20.7	47.3	26.2	24.2
Chronic ischemic heart disease (I20, I25) .....	68.5	45.5	50.8	52.4	52.1
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	5.6	*	*	3.5	3.0
Heart failure (I50) .....	16.3	15.9	18.8	16.0	14.5
Hypertension & hyp. renal disease (I10, I12, I15) .....	8.3	10.0	12.4	7.8	10.1
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	51.3	37.6	52.2	47.5	43.9
Atherosclerosis (I70) .....	*	*	*	*	1.1
Aortic aneurysm & dissection (I71) .....	*	2.9	8.7	3.7	3.5
Influenza & pneumonia (J09-J18) .....	9.7	8.7	11.0	11.0	11.7
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	54.6	50.4	48.6	45.9	45.7
Emphysema (J43) .....	7.7	4.7	*	5.5	4.7
Other CLRD (J44, J47) .....	45.9	43.6	42.5	38.1	39.4
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	17.2	12.9	9.7	13.2	10.8
Alcoholic liver disease (K70) <sup>2</sup> .....	13.9	9.9	6.6	8.9	7.3
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	10.3	7.8	9.5	9.4	8.2
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	21.2	13.5	13.0	17.8	13.3
Unintentional injuries (V01-X59, Y85-Y86) .....	49.0	44.1	43.7	40.2	40.3
Transport accidents (V01-V99, Y85) .....	19.8	9.9	11.6	10.5	6.4
Motor vehicle accidents (many codes) <sup>2</sup> .....	16.8	8.6	10.4	9.6	5.8
Nontransport accidents (W00-X59, Y86) .....	29.2	34.2	32.1	29.7	33.9
Falls (W00-W19) .....	12.9	13.8	11.8	11.0	13.3
Poisoning (X40-X49) <sup>2</sup> .....	*	12.9	12.5	12.0	14.2
Suicide (X60-X84, Y87.0) .....	22.2	19.0	17.6	14.6	14.2
Homicide (X85-Y09, Y87.1) .....	*	2.8	*	2.4	3.3
Alcohol-induced (many codes) <sup>2</sup> .....	19.5	15.5	12.3	15.2	13.8
Drug-induced (many codes) <sup>2</sup> .....	15.7	19.1	16.9	14.0	18.9
Injury by firearms (many codes) <sup>2</sup> .....	16.9	12.1	13.1	9.2	8.0

See footnotes at end of table.

**TABLE 6-47t. Age-adjusted Death Rates<sup>1</sup> for Selected Causes by County/Geographic Region, Oregon Residents, 2009-2011 — Continued**

Cause of Death	Washington	Yamhill	North Coast: Clatsop, Columbia, Lincoln, Tillamook	South Coast: Coos, Curry
<b>Total</b> .....	608.0	766.5	758.0	846.4
Infectious & parasitic disease (A00-B99) .....	10.1	14.2	15.7	18.1
Septicemia (A40-A41) .....	3.5	*	5.4	6.1
Malignant neoplasms (C00-C97) .....	151.4	192.2	189.9	197.8
Esophagus (C15) .....	3.8	*	5.2	6.5
Colon, rectum & anus (C18-C21) .....	14.4	17.1	17.4	17.9
Pancreas (C25) .....	9.8	14.0	11.2	8.8
Trachea, bronchus & lung (C33-C34) .....	34.6	47.8	56.8	60.4
Breast (C50) .....	11.9	15.0	11.3	10.1
Ovary (C56) .....	5.0	7.5	4.5	*
Prostate (C61) .....	8.7	11.2	13.1	12.4
Brain, etc. (C70-C72) <sup>2</sup> .....	5.1	6.8	4.9	4.8
Lymphoid & hematopoietic (C81-C96) .....	16.3	19.1	15.2	17.7
Non-Hodgkin's lymphoma (C82-C85) .....	6.3	6.8	6.5	7.5
Leukemia (C91-C95) .....	5.6	8.0	5.6	6.4
Diabetes mellitus (E10-E14) .....	19.5	29.1	20.4	28.3
Parkinson's disease (G20-G21) .....	8.6	9.1	7.2	6.8
Alzheimer's disease (G30) .....	25.8	30.9	25.6	29.5
Major cardiovascular diseases (I00-I78) .....	167.0	211.1	216.0	229.8
Heart disease (I00-I09, I11, I13, I20-I51) .....	117.4	152.8	156.4	167.3
Hypertensive heart disease (I11) .....	4.6	8.3	7.7	4.7
Ischemic heart disease (I20-I25) .....	66.2	89.7	94.9	107.9
Myocardial infarction (I21-I22) .....	23.2	23.8	32.1	31.1
Chronic ischemic heart disease (I20, I25) .....	42.6	65.3	61.9	76.0
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	2.2	*	3.6	7.0
Heart failure (I50) .....	13.4	11.6	16.4	16.6
Hypertension & hyp. renal disease (I10, I12, I15) .....	9.0	12.1	7.0	11.1
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	33.9	37.3	44.9	41.2
Atherosclerosis (I70) .....	1.3	*	*	5.5
Aortic aneurysm & dissection (I71) .....	2.8	*	*	*
Influenza & pneumonia (J09-J18) .....	7.6	11.7	10.0	9.3
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	31.5	42.8	49.9	56.9
Emphysema (J43) .....	2.8	*	5.3	5.5
Other CLRD (J44, J47) .....	27.0	36.9	43.5	50.5
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	8.2	10.2	15.6	19.1
Alcoholic liver disease (K70) <sup>2</sup> .....	5.3	7.2	11.2	15.1
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	7.7	*	6.6	11.5
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	10.2	9.3	14.0	18.3
Unintentional injuries (V01-X59, Y85-Y86) .....	26.1	33.7	50.1	50.8
Transport accidents (V01-V99, Y85) .....	5.9	9.4	13.6	18.7
Motor vehicle accidents (many codes) <sup>2</sup> .....	4.8	9.1	12.1	16.4
Nontransport accidents (W00-X59, Y86) .....	20.2	24.3	36.5	32.1
Falls (W00-W19) .....	10.7	7.4	12.3	10.9
Poisoning (X40-X49) <sup>2</sup> .....	5.4	10.2	14.8	12.4
Suicide (X60-X84, Y87.0) .....	13.1	15.9	16.1	28.0
Homicide (X85-Y09, Y87.1) .....	1.8	*	*	*
Alcohol-induced (many codes) <sup>2</sup> .....	9.0	10.7	17.1	22.0
Drug-induced (many codes) <sup>2</sup> .....	8.7	12.5	19.0	21.5
Injury by firearms (many codes) <sup>2</sup> .....	7.2	12.3	13.3	17.6

See footnotes at end of table.

**TABLE 6-47t. Age-adjusted Death Rates<sup>1</sup> for Selected Causes by County/Geographic Region, Oregon Residents, 2009-2011 — Continued**

Cause of Death	Mid Valley: Benton, Polk	North Central: Crook, Gilliam, Hood River, Jefferson, Sherman, Wasco, Wheeler	South Central: Klamath, Lake	Eastern Oregon: Baker, Grant, Harney, Malheur, Morrow, Umatilla, Union, Wallowa
<b>Total</b> .....	639.2	758.5	861.0	765.3
Infectious & parasitic disease (A00-B99) .....	10.9	13.0	20.4	14.2
Septicemia (A40-A41) .....	*	*	8.7	5.3
Malignant neoplasms (C00-C97) .....	168.8	163.2	182.2	176.6
Esophagus (C15) .....	4.5	*	*	5.1
Colon, rectum & anus (C18-C21) .....	11.8	17.1	19.4	18.6
Pancreas (C25) .....	11.5	11.4	10.1	9.0
Trachea, bronchus & lung (C33-C34) .....	44.2	45.6	46.2	46.2
Breast (C50) .....	13.1	9.2	13.5	10.6
Ovary (C56) .....	4.8	*	*	4.0
Prostate (C61) .....	8.7	10.6	10.3	8.5
Brain, etc. (C70-C72) <sup>2</sup> .....	6.0	7.5	*	5.1
Lymphoid & hematopoietic (C81-C96) .....	19.1	13.2	16.6	16.6
Non-Hodgkin's lymphoma (C82-C85) .....	7.1	5.5	*	7.0
Leukemia (C91-C95) .....	7.4	5.2	*	5.6
Diabetes mellitus (E10-E14) .....	21.9	24.7	33.9	28.7
Parkinson's disease (G20-G21) .....	6.3	7.9	*	7.6
Alzheimer's disease (G30) .....	23.8	26.4	34.1	20.2
Major cardiovascular diseases (I00-I78) .....	175.3	212.6	215.7	212.9
Heart disease (I00-I09, I11, I13, I20-I51) .....	117.5	139.9	156.0	148.5
Hypertensive heart disease (I11) .....	3.8	7.8	*	4.9
Ischemic heart disease (I20-I25) .....	64.1	74.8	100.0	99.0
Myocardial infarction (I21-I22) .....	20.3	22.9	30.2	36.1
Chronic ischemic heart disease (I20, I25) .....	42.8	50.9	69.4	62.0
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	4.0	*	11.9	13.0
Heart failure (I50) .....	16.0	18.7	15.0	14.5
Hypertension & hyp. renal disease (I10, I12, I15) .....	9.1	9.2	8.8	10.8
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	42.0	40.4	42.2	44.7
Atherosclerosis (I70) .....	*	16.0	*	*
Aortic aneurysm & dissection (I71) .....	4.0	*	*	4.9
Influenza & pneumonia (J09-J18) .....	10.0	10.1	12.9	12.5
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	31.5	55.9	51.4	53.5
Emphysema (J43) .....	*	7.4	*	6.3
Other CLRD (J44, J47) .....	27.2	45.5	47.4	45.6
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	8.1	19.3	19.0	10.8
Alcoholic liver disease (K70) <sup>2</sup> .....	5.4	16.3	16.2	7.5
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	8.6	9.3	8.2	12.2
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	15.3	12.2	28.5	23.3
Unintentional injuries (V01-X59, Y85-Y86) .....	30.2	44.2	46.9	47.1
Transport accidents (V01-V99, Y85) .....	9.3	16.3	16.1	17.9
Motor vehicle accidents (many codes) <sup>2</sup> .....	8.3	15.6	14.8	15.9
Nontransport accidents (W00-X59, Y86) .....	20.8	27.9	30.8	29.2
Falls (W00-W19) .....	8.3	11.9	9.7	9.8
Poisoning (X40-X49) <sup>2</sup> .....	8.5	*	12.9	7.3
Suicide (X60-X84, Y87.0) .....	13.5	19.0	28.1	16.7
Homicide (X85-Y09, Y87.1) .....	*	*	*	4.1
Alcohol-induced (many codes) <sup>2</sup> .....	10.5	23.3	27.3	12.0
Drug-induced (many codes) <sup>2</sup> .....	9.2	7.1	17.6	10.6
Injury by firearms (many codes) <sup>2</sup> .....	9.7	17.3	21.3	14.2

<sup>1</sup> 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.

<sup>2</sup> See footnote for this cause in Table 6-6.

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



**TABLE 6-47m. Age-adjusted Death Rates<sup>1</sup> for Selected Causes by County/Geographic Region, Oregon Resident Males, 2009-2011**

Cause of Death	State	Clackamas	Deschutes	Douglas	Jackson
<b>Total</b> .....	854.7	838.5	719.3	962.0	876.2
Infectious & parasitic disease (A00-B99) .....	17.6	15.4	9.0	23.4	20.0
Septicemia (A40-A41) .....	5.5	5.6	*	*	6.3
Malignant neoplasms (C00-C97) .....	206.3	202.7	171.5	228.7	211.7
Esophagus (C15) .....	7.6	7.3	*	8.2	7.7
Colon, rectum & anus (C18-C21) .....	18.0	17.7	7.5	20.0	17.3
Pancreas (C25) .....	12.4	11.5	16.6	13.9	11.6
Trachea, bronchus & lung (C33-C34) .....	55.1	52.6	36.1	73.1	51.3
Breast (C50) .....	*	*	—	—	—
Ovary (C56) .....	—	—	—	—	—
Prostate (C61) .....	23.6	23.1	22.7	19.7	22.7
Brain, etc. (C70-C72) <sup>2</sup> .....	6.5	7.2	*	*	6.3
Lymphoid & hematopoietic (C81-C96) .....	23.0	20.9	23.9	23.7	28.3
Non-Hodgkin's lymphoma (C82-C85) .....	8.4	6.8	8.8	8.7	10.8
Leukemia (C91-C95) .....	9.4	7.6	7.8	11.6	10.3
Diabetes mellitus (E10-E14) .....	30.0	31.2	25.5	41.5	24.7
Parkinson's disease (G20-G21) .....	12.8	15.0	12.6	*	13.2
Alzheimer's disease (G30) .....	23.4	29.6	21.7	22.6	28.1
Major cardiovascular diseases (I00-I78) .....	240.9	240.8	199.4	276.3	236.6
Heart disease (I00-I09, I11, I13, I20-I51) .....	178.3	180.3	144.4	207.9	175.1
Hypertensive heart disease (I11) .....	5.1	5.8	*	*	*
Ischemic heart disease (I20-I25) .....	114.5	107.8	95.9	135.5	114.5
Myocardial infarction (I21-I22) .....	33.6	26.9	25.9	43.1	24.7
Chronic ischemic heart disease (I20, I25) .....	80.1	79.6	69.0	91.5	89.3
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	5.9	4.5	*	*	7.9
Heart failure (I50) .....	16.9	18.4	11.6	15.7	20.8
Hypertension & hyp. renal disease (I10, I12, I15) .....	9.6	8.1	*	15.1	10.1
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	43.3	46.0	37.0	44.9	44.1
Atherosclerosis (I70) .....	2.0	*	*	*	*
Aortic aneurysm & dissection (I71) .....	4.6	4.3	*	*	*
Influenza & pneumonia (J09-J18) .....	11.7	8.4	9.4	*	12.4
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	50.9	42.2	47.9	66.5	55.5
Emphysema (J43) .....	5.6	5.5	*	*	8.4
Other CLRD (J44, J47) .....	44.2	36.0	44.2	61.5	45.2
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	15.5	10.1	17.9	15.9	19.2
Alcoholic liver disease (K70) <sup>2</sup> .....	11.8	7.1	15.6	10.2	16.9
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	10.3	11.9	*	11.7	9.9
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	14.0	11.7	9.6	13.8	14.2
Unintentional injuries (V01-X59, Y85-Y86) .....	50.9	43.4	41.5	66.0	59.5
Transport accidents (V01-V99, Y85) .....	14.9	9.6	16.6	25.0	17.5
Motor vehicle accidents (many codes) <sup>2</sup> .....	13.2	8.5	15.2	22.5	16.4
Nontransport accidents (W00-X59, Y86) .....	36.0	33.8	24.9	41.1	42.1
Falls (W00-W19) .....	13.4	16.1	9.3	10.9	16.0
Poisoning (X40-X49) <sup>2</sup> .....	13.4	10.8	9.3	*	16.1
Suicide (X60-X84, Y87.0) .....	26.0	23.3	31.5	28.3	33.4
Homicide (X85-Y09, Y87.1) .....	3.6	*	*	*	*
Alcohol-induced (many codes) <sup>2</sup> .....	20.1	12.4	21.2	20.9	22.7
Drug-induced (many codes) <sup>2</sup> .....	17.7	17.5	13.2	15.9	26.4
Injury by firearms (many codes) <sup>2</sup> .....	18.7	13.9	21.4	26.6	20.6

See footnotes at end of table.

**TABLE 6-47m. Age-adjusted Death Rates<sup>1</sup> for Selected Causes by County/Geographic Region, Oregon Resident Males, 2009-2011 — Continued**

Cause of Death	Josephine	Lane	Linn	Marion	Multnomah
<b>Total</b> .....	988.0	845.2	914.1	877.2	934.1
Infectious & parasitic disease (A00-B99) .....	20.9	17.4	16.8	20.7	21.8
Septicemia (A40-A41) .....	*	7.0	*	5.4	5.8
Malignant neoplasms (C00-C97) .....	242.4	203.0	221.6	206.8	220.3
Esophagus (C15) .....	*	8.1	*	8.8	7.6
Colon, rectum & anus (C18-C21) .....	15.4	19.0	21.0	18.3	18.9
Pancreas (C25) .....	18.0	12.9	*	10.9	14.2
Trachea, bronchus & lung (C33-C34) .....	66.0	53.7	62.8	54.4	60.0
Breast (C50) .....	—	—	—	*	*
Ovary (C56) .....	—	—	—	—	—
Prostate (C61) .....	27.7	22.6	27.1	23.1	24.5
Brain, etc. (C70-C72) <sup>2</sup> .....	*	6.7	*	*	6.3
Lymphoid & hematopoietic (C81-C96) .....	26.7	23.1	28.3	23.6	22.3
Non-Hodgkin's lymphoma (C82-C85) .....	*	7.7	*	8.0	8.4
Leukemia (C91-C95) .....	11.9	11.4	13.4	10.4	9.6
Diabetes mellitus (E10-E14) .....	34.0	23.6	30.2	38.5	34.4
Parkinson's disease (G20-G21) .....	12.9	13.0	*	13.8	16.6
Alzheimer's disease (G30) .....	23.5	26.1	24.6	17.5	27.6
Major cardiovascular diseases (I00-I78) .....	266.3	220.7	292.2	248.7	262.4
Heart disease (I00-I09, I11, I13, I20-I51) .....	200.1	162.1	208.3	180.2	193.4
Hypertensive heart disease (I11) .....	*	4.5	*	*	7.0
Ischemic heart disease (I20-I25) .....	130.2	98.4	133.0	110.7	122.8
Myocardial infarction (I21-I22) .....	31.5	28.9	58.7	33.8	35.1
Chronic ischemic heart disease (I20, I25) .....	98.2	68.8	73.6	76.0	87.6
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	*	*	*	5.1	5.4
Heart failure (I50) .....	15.4	18.8	22.9	17.0	17.1
Hypertension & hyp. renal disease (I10, I12, I15) .....	*	11.3	10.9	7.5	11.2
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	48.8	38.3	53.2	49.1	48.8
Atherosclerosis (I70) .....	*	*	*	*	*
Aortic aneurysm & dissection (I71) .....	*	4.8	13.4	5.1	4.7
Influenza & pneumonia (J09-J18) .....	*	10.2	13.9	11.9	14.8
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	55.7	55.1	52.7	48.1	55.4
Emphysema (J43) .....	*	5.2	*	5.8	6.5
Other CLRD (J44, J47) .....	46.6	48.2	47.4	41.2	47.4
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	24.0	15.6	10.0	17.4	15.3
Alcoholic liver disease (K70) <sup>2</sup> .....	21.1	12.2	*	12.3	10.9
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	11.5	8.9	12.3	9.1	11.0
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	18.5	14.6	13.3	14.3	14.5
Unintentional injuries (V01-X59, Y85-Y86) .....	70.6	56.1	53.2	53.3	55.7
Transport accidents (V01-V99, Y85) .....	30.6	13.6	17.8	15.2	10.6
Motor vehicle accidents (many codes) <sup>2</sup> .....	25.6	11.5	15.9	14.2	9.6
Nontransport accidents (W00-X59, Y86) .....	40.0	42.5	35.4	38.1	45.2
Falls (W00-W19) .....	15.9	15.1	12.0	15.0	16.1
Poisoning (X40-X49) <sup>2</sup> .....	*	16.8	12.3	14.2	19.5
Suicide (X60-X84, Y87.0) .....	38.5	26.9	26.2	24.4	22.0
Homicide (X85-Y09, Y87.1) .....	*	*	*	3.8	4.7
Alcohol-induced (many codes) <sup>2</sup> .....	30.8	20.9	18.2	21.7	21.4
Drug-induced (many codes) <sup>2</sup> .....	18.1	21.5	16.9	16.1	24.7
Injury by firearms (many codes) <sup>2</sup> .....	28.0	19.9	19.3	16.7	14.0

See footnotes at end of table.

**TABLE 6-47m. Age-adjusted Death Rates<sup>1</sup> for Selected Causes by County/Geographic Region, Oregon Resident Males, 2009-2011 — Continued**

Cause of Death	Washington	Yamhill	North Coast: Clatsop, Columbia, Lincoln, Tillamook	South Coast: Coos, Curry
<b>Total</b> .....	726.8	886.5	891.7	982.0
Infectious & parasitic disease (A00-B99) .....	13.2	17.4	19.6	19.5
Septicemia (A40-A41) .....	3.9	*	6.3	*
Malignant neoplasms (C00-C97) .....	181.4	210.6	230.6	233.5
Esophagus (C15) .....	6.8	*	8.8	11.9
Colon, rectum & anus (C18-C21) .....	16.2	20.2	18.8	19.8
Pancreas (C25) .....	10.9	15.3	14.3	9.9
Trachea, bronchus & lung (C33-C34) .....	43.9	54.4	67.2	72.6
Breast (C50) .....	—	*	*	—
Ovary (C56) .....	—	—	—	—
Prostate (C61) .....	23.4	26.5	29.7	26.3
Brain, etc. (C70-C72) <sup>2</sup> .....	6.8	*	7.8	*
Lymphoid & hematopoietic (C81-C96) .....	23.0	26.1	21.7	25.1
Non-Hodgkin's lymphoma (C82-C85) .....	9.4	*	8.0	9.6
Leukemia (C91-C95) .....	8.4	*	9.9	9.6
Diabetes mellitus (E10-E14) .....	21.6	34.9	27.1	34.1
Parkinson's disease (G20-G21) .....	14.3	*	11.4	9.6
Alzheimer's disease (G30) .....	23.1	26.4	17.8	17.0
Major cardiovascular diseases (I00-I78) .....	207.1	260.5	255.9	277.7
Heart disease (I00-I09, I11, I13, I20-I51) .....	154.8	198.0	196.2	215.4
Hypertensive heart disease (I11) .....	3.8	*	*	*
Ischemic heart disease (I20-I25) .....	100.0	127.7	128.2	155.9
Myocardial infarction (I21-I22) .....	31.8	32.6	42.6	40.2
Chronic ischemic heart disease (I20, I25) .....	67.5	95.0	84.5	114.7
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	3.3	*	*	11.1
Heart failure (I50) .....	13.8	*	18.1	15.0
Hypertension & hyp. renal disease (I10, I12, I15) .....	8.6	*	7.5	10.7
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	34.8	39.3	44.1	43.2
Atherosclerosis (I70) .....	*	—	*	*
Aortic aneurysm & dissection (I71) .....	3.4	*	*	*
Influenza & pneumonia (J09-J18) .....	10.4	*	14.2	11.5
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	39.8	48.7	52.3	66.7
Emphysema (J43) .....	*	*	7.3	*
Other CLRD (J44, J47) .....	35.4	43.1	44.2	58.0
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	10.6	16.7	21.5	26.7
Alcoholic liver disease (K70) <sup>2</sup> .....	7.4	12.2	15.1	20.8
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	10.9	*	8.9	13.0
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	10.9	*	11.8	17.9
Unintentional injuries (V01-X59, Y85-Y86) .....	35.9	47.5	62.0	65.2
Transport accidents (V01-V99, Y85) .....	9.4	15.4	17.4	29.4
Motor vehicle accidents (many codes) <sup>2</sup> .....	7.3	14.9	14.8	25.3
Nontransport accidents (W00-X59, Y86) .....	26.5	32.1	44.6	35.7
Falls (W00-W19) .....	12.9	*	14.0	9.7
Poisoning (X40-X49) <sup>2</sup> .....	7.6	13.7	19.8	*
Suicide (X60-X84, Y87.0) .....	21.1	24.3	26.4	42.2
Homicide (X85-Y09, Y87.1) .....	*	*	*	*
Alcohol-induced (many codes) <sup>2</sup> .....	13.5	17.4	25.4	31.9
Drug-induced (many codes) <sup>2</sup> .....	9.6	14.2	23.8	24.1
Injury by firearms (many codes) <sup>2</sup> .....	13.1	23.2	22.8	29.9

See footnotes at end of table.

**TABLE 6-47m. Age-adjusted Death Rates<sup>1</sup> for Selected Causes by County/Geographic Region, Oregon Resident Males, 2009-2011 — Continued**

Cause of Death	Mid Valley: Benton, Polk	North Central: Crook, Gilliam, Hood River, Jefferson, Sherman, Wasco, Wheeler	South Central: Klamath, Lake	Eastern Oregon: Baker, Grant, Harney, Malheur, Morrow, Umatilla, Union, Wallowa
<b>Total</b> .....	738.7	842.6	971.5	854.6
Infectious & parasitic disease (A00-B99) .....	13.7	14.5	18.4	19.3
Septicemia (A40-A41) .....	*	*	*	6.6
Malignant neoplasms (C00-C97) .....	190.7	181.5	208.3	205.1
Esophagus (C15) .....	*	*	*	8.5
Colon, rectum & anus (C18-C21) .....	17.9	19.6	23.0	22.9
Pancreas (C25) .....	12.4	12.0	*	8.6
Trachea, bronchus & lung (C33-C34) .....	47.6	51.5	49.8	54.9
Breast (C50) .....	*	—	—	*
Ovary (C56) .....	—	—	—	—
Prostate (C61) .....	21.3	23.6	21.8	18.7
Brain, etc. (C70-C72) <sup>2</sup> .....	8.3	*	*	7.3
Lymphoid & hematopoietic (C81-C96) .....	21.1	16.3	22.8	20.1
Non-Hodgkin's lymphoma (C82-C85) .....	8.9	*	*	8.8
Leukemia (C91-C95) .....	*	*	*	*
Diabetes mellitus (E10-E14) .....	27.7	30.9	34.9	34.3
Parkinson's disease (G20-G21) .....	10.2	*	*	10.9
Alzheimer's disease (G30) .....	18.7	24.0	24.5	14.6
Major cardiovascular diseases (I00-I78) .....	216.8	222.7	254.1	242.8
Heart disease (I00-I09, I11, I13, I20-I51) .....	146.7	155.3	196.5	184.4
Hypertensive heart disease (I11) .....	*	*	*	*
Ischemic heart disease (I20-I25) .....	89.0	95.6	136.6	130.8
Myocardial infarction (I21-I22) .....	27.6	25.9	42.1	47.7
Chronic ischemic heart disease (I20, I25) .....	60.6	68.0	94.0	82.1
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	*	*	*	15.8
Heart failure (I50) .....	16.8	16.8	16.4	17.7
Hypertension & hyp. renal disease (I10, I12, I15) .....	11.5	*	*	10.2
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	49.8	34.7	40.7	41.8
Atherosclerosis (I70) .....	*	15.5	*	*
Aortic aneurysm & dissection (I71) .....	*	*	*	*
Influenza & pneumonia (J09-J18) .....	12.1	12.5	*	14.6
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	28.0	58.7	54.6	55.5
Emphysema (J43) .....	*	*	*	*
Other CLRD (J44, J47) .....	24.7	51.5	50.4	47.6
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	10.2	24.1	25.1	14.9
Alcoholic liver disease (K70) <sup>2</sup> .....	*	19.9	22.3	11.4
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	12.6	*	*	12.7
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	12.8	11.5	28.0	20.8
Unintentional injuries (V01-X59, Y85-Y86) .....	40.6	52.9	64.9	58.1
Transport accidents (V01-V99, Y85) .....	14.9	21.8	25.2	23.9
Motor vehicle accidents (many codes) <sup>2</sup> .....	12.6	20.4	22.5	21.9
Nontransport accidents (W00-X59, Y86) .....	25.7	31.1	39.7	34.1
Falls (W00-W19) .....	8.2	*	*	10.9
Poisoning (X40-X49) <sup>2</sup> .....	12.5	*	*	8.1
Suicide (X60-X84, Y87.0) .....	21.6	31.0	44.6	25.5
Homicide (X85-Y09, Y87.1) .....	*	*	*	*
Alcohol-induced (many codes) <sup>2</sup> .....	14.7	30.1	39.7	18.2
Drug-induced (many codes) <sup>2</sup> .....	13.4	*	19.8	10.4
Injury by firearms (many codes) <sup>2</sup> .....	15.5	29.2	36.7	24.2

<sup>1</sup> 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.

<sup>2</sup> See footnote for this cause in Table 6-6.

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

— Quantity is zero.

**TABLE 6-47f. Age-adjusted Death Rates<sup>1</sup> for Selected Causes by County/Geographic Region, Oregon Resident Females, 2009-2011**

Cause of Death	State	Clackamas	Deschutes	Douglas	Jackson
<b>Total</b> .....	633.7	644.2	588.1	723.5	631.7
Infectious & parasitic disease (A00-B99) .....	11.6	9.2	*	15.1	8.9
Septicemia (A40-A41) .....	4.7	4.1	*	*	*
Malignant neoplasms (C00-C97) .....	153.4	161.9	135.3	175.4	147.9
Esophagus (C15) .....	1.7	*	*	*	*
Colon, rectum & anus (C18-C21) .....	13.6	14.3	12.4	12.6	14.2
Pancreas (C25) .....	9.7	10.0	10.9	11.7	8.8
Trachea, bronchus & lung (C33-C34) .....	42.3	44.8	36.9	57.6	39.2
Breast (C50) .....	21.1	24.0	17.0	16.1	22.3
Ovary (C56) .....	9.3	9.9	8.7	8.7	10.0
Prostate (C61) .....	—	—	—	—	—
Brain, etc. (C70-C72) <sup>2</sup> .....	3.8	3.5	*	*	*
Lymphoid & hematopoietic (C81-C96) .....	13.2	17.5	13.6	15.1	10.8
Non-Hodgkin's lymphoma (C82-C85) .....	4.9	6.5	*	*	4.1
Leukemia (C91-C95) .....	5.3	7.8	6.3	*	4.3
Diabetes mellitus (E10-E14) .....	20.4	19.5	17.9	21.0	17.4
Parkinson's disease (G20-G21) .....	5.1	6.1	*	7.5	4.0
Alzheimer's disease (G30) .....	31.5	36.5	30.0	46.2	38.0
Major cardiovascular diseases (I00-I78) .....	165.2	164.6	159.5	193.8	167.4
Heart disease (I00-I09, I11, I13, I20-I51) .....	108.4	110.3	109.7	130.0	108.6
Hypertensive heart disease (I11) .....	5.3	5.4	6.8	*	5.1
Ischemic heart disease (I20-I25) .....	52.9	51.9	49.9	70.3	49.6
Myocardial infarction (I21-I22) .....	18.7	18.0	14.0	25.9	12.8
Chronic ischemic heart disease (I20, I25) .....	33.8	33.3	35.6	43.2	36.0
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	2.9	*	8.2	*	*
Heart failure (I50) .....	14.2	13.5	16.5	13.7	15.0
Hypertension & hyp. renal disease (I10, I12, I15) .....	9.3	9.2	8.4	13.1	11.5
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	40.7	39.6	37.6	44.8	43.0
Atherosclerosis (I70) .....	1.6	*	*	*	*
Aortic aneurysm & dissection (I71) .....	2.7	*	*	*	*
Influenza & pneumonia (J09-J18) .....	8.9	8.9	7.0	10.0	10.0
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	43.1	36.0	46.4	58.4	51.1
Emphysema (J43) .....	4.3	3.9	*	*	*
Other CLRD (J44, J47) .....	36.8	31.3	40.8	50.8	44.2
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	8.4	7.1	7.4	9.8	11.0
Alcoholic liver disease (K70) <sup>2</sup> .....	5.5	5.3	*	*	7.5
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	7.2	6.4	*	9.7	5.1
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	14.5	15.4	14.3	10.9	14.5
Unintentional injuries (V01-X59, Y85-Y86) .....	27.5	30.1	30.8	26.1	22.1
Transport accidents (V01-V99, Y85) .....	5.4	7.3	*	*	*
Motor vehicle accidents (many codes) <sup>2</sup> .....	5.0	6.9	*	*	*
Nontransport accidents (W00-X59, Y86) .....	22.2	22.8	25.0	19.0	18.0
Falls (W00-W19) .....	10.6	12.0	14.1	9.1	10.7
Poisoning (X40-X49) <sup>2</sup> .....	7.0	6.4	*	*	*
Suicide (X60-X84, Y87.0) .....	7.3	6.7	7.6	*	8.1
Homicide (X85-Y09, Y87.1) .....	1.9	*	*	*	*
Alcohol-induced (many codes) <sup>2</sup> .....	7.8	7.2	7.5	*	8.7
Drug-induced (many codes) <sup>2</sup> .....	11.4	10.5	10.6	*	6.5
Injury by firearms (many codes) <sup>2</sup> .....	3.2	*	*	*	*

See footnotes at end of table.

**TABLE 6-47f. Age-adjusted Death Rates<sup>1</sup> for Selected Causes by County/Geographic Region, Oregon Resident Females, 2009-2011 — Continued**

Cause of Death	Josephine	Lane	Linn	Marion	Multnomah
<b>Total</b> .....	723.9	633.0	733.0	661.0	623.4
Infectious & parasitic disease (A00-B99) .....	17.1	13.9	16.3	12.9	13.7
Septicemia (A40-A41) .....	*	6.8	*	4.4	5.3
Malignant neoplasms (C00-C97) .....	172.8	152.4	182.2	147.6	153.7
Esophagus (C15) .....	*	*	*	*	1.7
Colon, rectum & anus (C18-C21) .....	14.1	13.0	16.0	13.0	13.2
Pancreas (C25) .....	12.5	10.0	9.9	8.3	9.9
Trachea, bronchus & lung (C33-C34) .....	47.6	43.0	51.4	42.5	44.3
Breast (C50) .....	25.4	20.8	29.9	18.6	19.9
Ovary (C56) .....	*	11.4	8.8	8.8	9.5
Prostate (C61) .....	—	—	—	—	—
Brain, etc. (C70-C72) <sup>2</sup> .....	*	3.5	*	4.6	3.1
Lymphoid & hematopoietic (C81-C96) .....	19.0	12.4	13.7	10.9	13.7
Non-Hodgkin's lymphoma (C82-C85) .....	*	4.8	*	*	4.8
Leukemia (C91-C95) .....	*	5.7	*	4.7	5.6
Diabetes mellitus (E10-E14) .....	24.0	19.5	25.8	27.4	19.7
Parkinson's disease (G20-G21) .....	*	6.0	*	6.0	5.2
Alzheimer's disease (G30) .....	24.0	34.2	30.6	22.7	31.2
Major cardiovascular diseases (I00-I78) .....	189.2	146.8	196.2	171.5	161.7
Heart disease (I00-I09, I11, I13, I20-I51) .....	124.6	96.5	123.8	110.4	105.1
Hypertensive heart disease (I11) .....	*	4.4	*	4.1	6.4
Ischemic heart disease (I20-I25) .....	66.7	42.2	70.0	54.5	46.4
Myocardial infarction (I21-I22) .....	22.7	14.1	37.3	20.4	16.9
Chronic ischemic heart disease (I20, I25) .....	42.8	27.7	32.8	33.8	29.1
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	*	*	*	*	*
Heart failure (I50) .....	16.8	13.6	15.4	15.1	13.1
Hypertension & hyp. renal disease (I10, I12, I15) .....	7.9	8.8	13.0	7.7	9.2
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	52.3	36.7	51.9	46.0	40.2
Atherosclerosis (I70) .....	*	*	—	*	*
Aortic aneurysm & dissection (I71) .....	*	*	*	*	2.4
Influenza & pneumonia (J09-J18) .....	9.5	7.8	9.4	10.7	10.4
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	53.6	46.9	46.0	44.7	40.2
Emphysema (J43) .....	*	4.4	*	5.4	3.5
Other CLRD (J44, J47) .....	45.2	40.0	39.3	36.1	35.0
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	10.9	10.6	9.1	9.4	6.8
Alcoholic liver disease (K70) <sup>2</sup> .....	*	7.9	*	5.9	4.0
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	9.7	6.8	7.4	9.7	6.8
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	23.0	11.9	12.5	19.9	11.9
Unintentional injuries (V01-X59, Y85-Y86) .....	29.3	32.8	34.9	28.1	27.2
Transport accidents (V01-V99, Y85) .....	*	6.4	*	5.7	2.6
Motor vehicle accidents (many codes) <sup>2</sup> .....	*	5.8	*	4.8	2.3
Nontransport accidents (W00-X59, Y86) .....	19.4	26.4	28.8	22.4	24.6
Falls (W00-W19) .....	10.6	12.5	11.7	8.2	11.9
Poisoning (X40-X49) <sup>2</sup> .....	*	8.9	12.6	9.6	9.1
Suicide (X60-X84, Y87.0) .....	*	11.8	*	4.7	6.6
Homicide (X85-Y09, Y87.1) .....	*	*	*	*	1.8
Alcohol-induced (many codes) <sup>2</sup> .....	*	10.6	*	9.0	6.6
Drug-induced (many codes) <sup>2</sup> .....	13.3	16.6	16.9	12.0	13.1
Injury by firearms (many codes) <sup>2</sup> .....	*	4.9	*	*	2.3

See footnotes at end of table.

**TABLE 6-47f. Age-adjusted Death Rates<sup>1</sup> for Selected Causes by County/Geographic Region, Oregon Resident Females, 2009-2011 — Continued**

Cause of Death	Washington	Yamhill	North Coast: Clatsop, Columbia, Lincoln, Tillamook	South Coast: Coos, Curry
<b>Total</b> .....	521.9	664.9	637.2	718.5
Infectious & parasitic disease (A00-B99) .....	7.5	12.0	12.1	16.4
Septicemia (A40-A41) .....	3.1	*	*	*
Malignant neoplasms (C00-C97) .....	132.5	179.6	157.5	165.6
Esophagus (C15) .....	*	*	*	*
Colon, rectum & anus (C18-C21) .....	12.9	14.1	16.1	16.1
Pancreas (C25) .....	8.7	12.7	8.4	*
Trachea, bronchus & lung (C33-C34) .....	28.1	43.6	48.7	49.6
Breast (C50) .....	21.1	28.3	20.9	18.9
Ovary (C56) .....	8.9	14.0	8.5	*
Prostate (C61) .....	—	—	—	—
Brain, etc. (C70-C72) <sup>2</sup> .....	3.6	*	*	*
Lymphoid & hematopoietic (C81-C96) .....	11.6	13.7	9.7	10.8
Non-Hodgkin's lymphoma (C82-C85) .....	4.4	*	*	*
Leukemia (C91-C95) .....	3.5	*	*	*
Diabetes mellitus (E10-E14) .....	17.5	24.4	15.0	23.2
Parkinson's disease (G20-G21) .....	5.3	*	*	*
Alzheimer's disease (G30) .....	27.5	34.0	31.1	39.5
Major cardiovascular diseases (I00-I78) .....	138.5	170.3	179.1	185.0
Heart disease (I00-I09, I11, I13, I20-I51) .....	91.6	115.8	121.4	123.0
Hypertensive heart disease (I11) .....	4.7	*	8.2	*
Ischemic heart disease (I20-I25) .....	43.5	60.1	66.7	63.9
Myocardial infarction (I21-I22) .....	17.2	17.1	22.7	22.0
Chronic ischemic heart disease (I20, I25) .....	26.1	41.9	43.2	41.1
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	*	*	*	*
Heart failure (I50) .....	13.0	10.9	14.7	18.0
Hypertension & hyp. renal disease (I10, I12, I15) .....	8.9	11.5	6.1	11.3
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	32.7	36.0	44.5	39.0
Atherosclerosis (I70) .....	*	*	*	*
Aortic aneurysm & dissection (I71) .....	*	*	*	*
Influenza & pneumonia (J09-J18) .....	5.8	12.8	7.2	7.3
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	26.5	38.2	49.2	48.1
Emphysema (J43) .....	2.6	*	*	*
Other CLRD (J44, J47) .....	21.9	31.6	43.8	43.6
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	6.3	*	10.1	12.1
Alcoholic liver disease (K70) <sup>2</sup> .....	3.4	*	7.6	*
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	5.7	*	*	10.1
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	9.5	*	15.2	19.0
Unintentional injuries (V01-X59, Y85-Y86) .....	17.3	19.4	38.0	37.1
Transport accidents (V01-V99, Y85) .....	*	*	10.0	*
Motor vehicle accidents (many codes) <sup>2</sup> .....	*	*	9.7	*
Nontransport accidents (W00-X59, Y86) .....	15.0	16.6	28.0	28.6
Falls (W00-W19) .....	9.1	*	10.4	11.8
Poisoning (X40-X49) <sup>2</sup> .....	3.3	*	9.7	*
Suicide (X60-X84, Y87.0) .....	5.8	*	*	*
Homicide (X85-Y09, Y87.1) .....	*	—	*	*
Alcohol-induced (many codes) <sup>2</sup> .....	4.9	*	9.4	12.9
Drug-induced (many codes) <sup>2</sup> .....	7.8	*	14.1	18.8
Injury by firearms (many codes) <sup>2</sup> .....	*	*	*	*

See footnotes at end of table.

**TABLE 6-47f. Age-adjusted Death Rates<sup>1</sup> for Selected Causes by County/Geographic Region, Oregon Resident Females, 2009-2011 — Continued**

Cause of Death	Mid Valley: Benton, Polk	North Central: Crook, Gilliam, Hood River, Jefferson, Sherman, Wasco, Wheeler	South Central: Klamath, Lake	Eastern Oregon: Baker, Grant, Harney, Malheur, Morrow, Umatilla, Union, Wallowa
<b>Total</b> .....	557.0	679.2	754.3	676.2
Infectious & parasitic disease (A00-B99) .....	8.9	11.5	22.0	8.9
Septicemia (A40-A41) .....	*	*	*	*
Malignant neoplasms (C00-C97) .....	153.4	148.2	160.0	152.8
Esophagus (C15) .....	*	*	*	*
Colon, rectum & anus (C18-C21) .....	7.2	14.9	16.7	15.3
Pancreas (C25) .....	10.6	11.3	*	9.4
Trachea, bronchus & lung (C33-C34) .....	41.7	40.4	42.8	38.9
Breast (C50) .....	23.8	17.7	26.3	20.5
Ovary (C56) .....	9.0	*	*	7.8
Prostate (C61) .....	—	—	—	—
Brain, etc. (C70-C72) <sup>2</sup> .....	*	*	*	*
Lymphoid & hematopoietic (C81-C96) .....	17.5	10.3	*	13.3
Non-Hodgkin's lymphoma (C82-C85) .....	*	*	*	5.0
Leukemia (C91-C95) .....	7.0	*	*	5.7
Diabetes mellitus (E10-E14) .....	17.2	19.0	32.6	23.9
Parkinson's disease (G20-G21) .....	*	*	*	*
Alzheimer's disease (G30) .....	26.8	28.1	41.1	24.4
Major cardiovascular diseases (I00-I78) .....	141.3	201.3	179.3	183.1
Heart disease (I00-I09, I11, I13, I20-I51) .....	93.2	124.6	119.2	114.9
Hypertensive heart disease (I11) .....	*	*	*	*
Ischemic heart disease (I20-I25) .....	44.1	56.8	66.5	70.0
Myocardial infarction (I21-I22) .....	13.4	19.1	19.7	25.6
Chronic ischemic heart disease (I20, I25) .....	29.7	37.3	46.8	43.7
Atherosclerotic cardiovascular dis. (I25.0) <sup>2</sup> .....	*	*	*	10.0
Heart failure (I50) .....	15.1	19.4	14.5	11.9
Hypertension & hyp. renal disease (I10, I12, I15) .....	7.4	9.8	*	10.4
Cerebrovascular disease (I60-I69) <sup>2</sup> .....	35.7	44.4	42.3	47.0
Atherosclerosis (I70) .....	*	16.3	—	*
Aortic aneurysm & dissection (I71) .....	*	*	*	*
Influenza & pneumonia (J09-J18) .....	8.6	*	*	11.2
Chronic lower respiratory disease (J40-J47) <sup>2</sup> .....	33.7	54.7	49.2	52.3
Emphysema (J43) .....	*	*	*	6.7
Other CLRD (J44, J47) .....	28.8	41.2	45.3	44.1
Chronic liver disease & cirrhosis (K70, K73-K74) <sup>2</sup> .....	*	14.6	*	6.6
Alcoholic liver disease (K70) <sup>2</sup> .....	*	12.8	*	*
Nephritis (N00-N07, N17-N19, N25-N27) <sup>2</sup> .....	6.1	*	*	12.5
Symptoms & signs NEC (R00-R99) <sup>2</sup> .....	16.8	12.8	28.9	24.2
Unintentional injuries (V01-X59, Y85-Y86) .....	20.0	34.6	29.2	34.5
Transport accidents (V01-V99, Y85) .....	*	*	*	11.1
Motor vehicle accidents (many codes) <sup>2</sup> .....	*	*	*	9.1
Nontransport accidents (W00-X59, Y86) .....	15.9	24.1	21.5	23.4
Falls (W00-W19) .....	8.3	11.8	*	8.6
Poisoning (X40-X49) <sup>2</sup> .....	*	*	*	*
Suicide (X60-X84, Y87.0) .....	*	*	*	*
Homicide (X85-Y09, Y87.1) .....	*	*	*	*
Alcohol-induced (many codes) <sup>2</sup> .....	*	16.7	15.2	*
Drug-induced (many codes) <sup>2</sup> .....	*	*	*	10.7
Injury by firearms (many codes) <sup>2</sup> .....	*	*	*	*

<sup>1</sup> 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.

<sup>2</sup> See footnote for this cause in Table 6-6.

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

— Quantity is zero.



**TABLE 6-48. Selected Causes of Death for the Residents of Oregon's Largest Cities, 2011**

City of Residence	Population	Total Deaths	Selected Causes of Death									
			Cancer	Heart Dis	CLRD	CeVD	Unint Injury	Alzheimer's	Diabetes	Alcohol	Suicide	Flu & Pneu
State Total .....	3,857,625	32,731	7,768	6,215	2,031	1,906	1,705	1,325	1,114	644	639	396
Albany .....	50,520	549	125	94	31	45	37	26	19	11	9	5
Ashland .....	20,255	214	50	43	8	13	10	8	4	3	4	4
Beaverton .....	90,835	777	182	145	30	41	27	33	22	16	20	8
Bend .....	76,925	761	183	135	51	51	40	30	24	19	24	12
Canby .....	15,830	160	39	33	12	9	8	8	3	2	1	3
Central Point ...	17,235	252	62	58	17	16	13	11	5	4	4	1
Coos Bay .....	16,010	357	93	63	20	13	20	11	11	7	6	–
Corvallis .....	54,520	410	105	84	19	29	19	22	9	5	8	14
Dallas .....	14,620	189	42	35	11	16	13	4	7	4	2	1
Eugene .....	157,010	1,574	349	288	97	78	98	91	51	35	29	21
Forest Grove ..	21,275	228	46	43	7	11	12	9	12	5	4	6
Gladstone .....	11,495	102	19	21	5	4	7	6	3	1	2	2
Grants Pass ....	34,660	1,035	257	195	72	73	37	38	28	19	14	7
Gresham .....	105,795	616	141	131	39	51	22	15	24	8	13	11
Hermiston .....	16,865	205	46	55	11	10	8	6	7	1	1	–
Hillsboro .....	92,350	457	106	96	24	26	19	20	13	8	15	6
Keizer .....	36,715	256	54	46	15	18	14	6	8	2	2	5
Klamath Falls ..	21,120	527	108	91	32	33	29	21	12	15	8	8
La Grande .....	13,095	169	33	28	13	10	7	11	3	3	1	5
Lake Oswego .....	36,725	311	69	65	14	27	8	16	6	2	6	4
Lebanon .....	15,565	312	88	66	12	23	16	19	13	3	3	3
McMinnville .....	32,270	378	87	90	21	12	16	19	15	4	5	4
Medford .....	75,180	1,009	206	183	76	68	50	50	28	23	17	15
Milwaukie .....	20,400	621	148	116	35	34	24	31	23	14	14	5
Newberg .....	22,230	249	53	52	12	17	9	15	6	9	2	1
Oregon City ....	32,220	405	104	70	14	21	21	8	6	6	9	3
Pendleton .....	16,625	194	46	34	10	9	14	9	8	5	5	3
Portland .....	585,845	5,123	1,182	960	291	272	318	234	166	105	112	69
Redmond .....	26,305	266	60	56	17	15	13	10	10	9	2	–
Roseburg .....	21,690	612	126	121	41	36	17	43	22	14	10	8
Salem .....	155,710	1,648	384	280	97	97	83	43	73	41	29	25
Sherwood .....	18,255	98	25	19	4	3	4	3	2	2	4	–
Springfield .....	59,695	688	151	121	65	46	33	37	20	12	18	6
St. Helens .....	12,890	143	38	30	7	5	12	4	5	3	3	2
The Dalles .....	14,440	255	46	64	19	17	7	7	9	4	2	4
Tigard .....	48,415	379	92	53	17	15	26	21	13	10	8	6
Troutdale .....	16,000	106	26	22	6	4	4	3	–	2	4	2
Tualatin .....	26,120	151	28	31	9	10	11	14	4	5	3	1
West Linn .....	25,250	170	44	27	5	11	7	13	3	3	3	4
Wilsonville .....	19,565	183	44	32	7	15	8	13	4	–	3	1
Woodburn .....	24,090	237	49	44	12	18	12	12	13	3	2	5

– Quantity is zero.

**TABLE 6-49. Oregon Deaths Resulting from Injuries Occurring While at Work by Sex, Age, Manner, Place, Weekday, and Time, 2011**

Manner, Type of Injury, Place, Weekday, and Time	Total	Sex		Age Groups					
		M	F	< 25	25-34	35-44	45-54	55-64	65+
<b>Total<sup>1</sup></b> .....	48	45	3	2	4	11	9	15	7
Oregon Residents .....	44	42	2	2	4	10	8	14	6
Non-Oregon Residents .....	4	3	1	-	-	1	1	1	1
<b>Type of Injury</b>									
Accident .....	40	38	2	2	4	5	8	14	7
Motor Vehicle .....	14	13	1	1	-	3	2	6	2
Watercraft & Drowning .....	3	3	-	1	-	-	-	1	1
Aircraft .....	-	-	-	-	-	-	-	-	-
Falls .....	4	3	1	-	-	-	-	1	3
Struck by Projected/Falling Object ....	10	10	-	-	2	1	4	3	-
Smoke & Fire .....	-	-	-	-	-	-	-	-	-
Machinery .....	2	2	-	-	1	1	-	-	-
Suicide .....	4	4	-	-	-	4	-	-	-
Homicide .....	4	3	1	-	-	2	1	1	-
Firearms .....	3	2	1	-	-	1	1	1	-
Undetermined Intent .....	-	-	-	-	-	-	-	-	-
Other Injury .....	-	-	-	-	-	-	-	-	-
<b>Place of Injury</b>									
Home .....	1	1	-	-	-	1	-	-	-
Farm .....	-	-	-	-	-	-	-	-	-
Residential or Other Institution .....	-	-	-	-	-	-	-	-	-
Industrial or Construction Area .....	4	4	-	-	-	-	1	2	1
Warehouse, Trace or Service Area .....	5	5	-	-	2	1	1	1	-
Street or Highway .....	13	12	1	1	-	5	1	4	2
Sport or Recreation Area .....	-	-	-	-	-	-	-	-	-
Other or Unspecified Place .....	25	23	2	1	2	4	6	8	4
<b>Weekday of Injury</b>									
Sunday .....	1	1	-	-	-	-	1	-	-
Monday .....	7	6	1	1	1	1	1	1	2
Tuesday .....	8	8	-	1	1	1	1	2	2
Wednesday .....	11	11	-	-	1	4	2	4	-
Thursday .....	7	7	-	-	1	1	-	4	1
Friday .....	7	7	-	-	-	3	3	-	1
Saturday .....	3	1	2	-	-	-	1	2	-
Not Stated .....	4	4	-	-	-	1	-	2	1
<b>Time of Injury</b>									
12:00-3:59 AM .....	-	-	-	-	-	-	-	-	-
4:00-7:59 AM .....	2	2	-	-	1	-	-	1	-
8:00-11:59 AM .....	10	10	-	-	1	1	5	3	-
12:00-3:59 PM .....	11	11	-	1	1	1	3	3	2
4:00-7:59 PM .....	5	5	-	1	-	3	-	-	1
8:00-11:59 PM .....	2	1	1	-	-	1	-	1	-
Not Stated .....	18	16	2	-	1	5	1	7	4

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

- Quantity is zero.

**TABLE 6-50. Causes Mentioned on the Death Certificate but Which Were Not the Underlying Cause of Death, by County of Residence, Oregon Residents, 2011**

County of Residence	Heart Dis	Dia-betes	CLRD	Orgnc De-ment-ia	CeVD	Flu & Pneu-monia	Can-cer	Unint Injur	Alco-hol Induc	Alz-heim-er's
Total .....	6,090	2,732	2,275	1,689	1,393	1,136	939	651	519	345
Baker .....	23	11	5	3	4	3	1	2	3	2
Benton .....	87	42	40	21	16	17	16	16	12	10
Clackamas .....	546	200	197	141	143	103	85	66	24	26
Clatsop .....	53	21	22	20	13	11	14	8	3	5
Columbia .....	70	30	28	17	21	19	10	8	2	3
Coos .....	169	82	80	33	29	38	24	11	15	10
Crook .....	34	23	19	15	16	9	13	3	5	1
Curry .....	66	19	17	13	15	10	12	8	7	3
Deschutes .....	211	118	71	77	44	30	35	27	16	16
Douglas .....	358	157	159	66	64	59	45	25	29	21
Gilliam .....	6	2	2	—	2	—	1	—	—	—
Grant .....	16	5	7	5	3	4	—	—	—	2
Harney .....	13	6	5	6	4	2	—	4	2	3
Hood River .....	32	11	9	15	6	5	4	5	5	1
Jackson .....	372	177	119	99	106	68	52	32	35	29
Jefferson .....	32	23	9	4	7	3	5	2	4	2
Josephine .....	235	108	100	71	61	44	35	20	18	7
Klamath .....	150	52	45	23	34	24	19	12	17	8
Lake .....	17	8	7	5	—	2	2	1	1	—
Lane .....	634	270	259	216	135	94	106	54	76	35
Lincoln .....	88	32	51	23	20	19	13	3	11	6
Linn .....	223	120	107	61	47	52	35	24	23	17
Malheur .....	50	24	17	12	9	6	8	9	1	—
Marion .....	499	214	170	135	121	93	84	50	26	16
Morrow .....	12	6	2	3	1	5	2	3	2	—
Multnomah .....	962	460	348	290	241	204	148	121	98	56
Polk .....	115	50	32	31	18	19	14	17	6	9
Sherman .....	1	—	1	—	—	—	—	—	—	—
Tillamook .....	48	21	20	15	11	6	12	4	8	2
Umatilla .....	118	69	43	17	32	22	16	13	9	5
Union .....	53	21	19	13	7	14	9	5	4	4
Wallowa .....	25	7	5	7	12	5	5	4	—	—
Wasco .....	55	31	24	34	12	13	7	6	10	1
Washington .....	523	224	167	142	106	102	85	71	32	31
Wheeler .....	6	1	1	1	2	2	—	—	2	—
Yamhill .....	186	87	68	55	31	29	22	17	13	14

Notes: 1. Causes mentioned are not counted more than once per certificate. 2. Columns may not equal total due to unknown county of residence.

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

— Quantity is zero.

**TABLE 6-51. Causes Mentioned on the Death Certificate but Which Were Not the Underlying Cause of Death, by Sex and Age, Oregon Residents, 2011**

Sex and Age	Heart Dis	Dia-betes	CLRD	Orgnc De-ment-ia	CeVD	Flu & Pneu-monia	Cancer	Unint Injur	Alco-hol Induc	Alz-heim-er's
<b>Both Sexes</b>										
Total .....	6,090	2,732	2,275	1,689	1,393	1,136	939	651	519	345
<1 .....	6	—	—	—	4	1	—	1	—	—
1-4 .....	3	—	—	—	—	3	—	4	—	—
5-14 .....	7	—	—	—	1	2	—	—	—	—
15-24 .....	11	1	3	—	5	3	—	3	9	—
25-34 .....	22	7	2	—	3	8	6	7	23	—
35-44 .....	69	20	11	—	13	10	6	10	47	—
45-54 .....	235	110	85	4	37	40	21	31	135	2
55-64 .....	609	332	291	22	103	99	79	58	185	1
65-74 .....	991	590	494	115	175	166	155	76	70	11
75-84 .....	1,748	823	783	470	401	292	323	139	43	105
85+ .....	2,389	849	606	1,078	651	511	349	322	7	226
<b>Male</b>										
Total .....	3,082	1,447	1,226	679	617	588	537	345	404	138
<1 .....	2	—	—	—	2	—	—	1	—	—
1-4 .....	—	—	—	—	—	1	—	2	—	—
5-14 .....	4	—	—	—	—	—	—	—	—	—
15-24 .....	10	1	3	—	2	3	—	2	9	—
25-34 .....	14	4	1	—	2	3	3	4	19	—
35-44 .....	41	8	6	—	9	7	5	6	37	—
45-54 .....	153	67	46	1	22	19	10	25	108	1
55-64 .....	391	212	178	11	62	56	48	34	141	1
65-74 .....	562	358	290	68	110	115	87	48	54	4
75-84 .....	915	423	413	208	184	159	191	77	32	46
85+ .....	990	374	289	391	224	225	193	146	4	86
<b>Female</b>										
Total .....	3,008	1,285	1,049	1,010	776	548	402	306	115	207
<1 .....	4	—	—	—	2	1	—	—	—	—
1-4 .....	3	—	—	—	—	2	—	2	—	—
5-14 .....	3	—	—	—	1	2	—	—	—	—
15-24 .....	1	—	—	—	3	—	—	1	—	—
25-34 .....	8	3	1	—	1	5	3	3	4	—
35-44 .....	28	12	5	—	4	3	1	4	10	—
45-54 .....	82	43	39	3	15	21	11	6	27	1
55-64 .....	218	120	113	11	41	43	31	24	44	—
65-74 .....	429	232	204	47	65	51	68	28	16	7
75-84 .....	833	400	370	262	217	133	132	62	11	59
85+ .....	1,399	475	317	687	427	286	156	176	3	140

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

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

— Quantity is zero.

**TABLE 6-52. Place of Death by Sex, Age, and Selected Causes of Death, Oregon Residents, 2011**

Characteristics	Total	Hospital		Nursing Home	Resid. Inst. <sup>1</sup>	Hospice Facility	Home <sup>2</sup>	Other
		In-patient	ER/DOA					
Total* .....	32,731	7,903	1,426	3,923	4,928	692	12,482	1,377
<b>Sex</b>								
Male .....	16,449	4,200	877	1,721	1,759	340	6,628	924
Female .....	16,282	3,703	549	2,202	3,169	352	5,854	453
<b>Age Group</b>								
<1 .....	210	160	28	–	–	–	16	6
1-4 .....	56	16	14	2	–	–	21	3
5-14 .....	63	19	20	–	–	–	14	10
15-24 .....	296	57	28	1	2	3	90	115
25-34 .....	464	107	46	2	3	9	165	132
35-44 .....	802	195	74	19	6	9	351	148
45-54 .....	2,040	547	148	75	47	64	952	207
55-64 .....	4,191	1,209	255	259	154	101	1,985	228
65-74 .....	5,339	1,523	285	513	295	135	2,411	177
75-84 .....	7,974	2,031	300	1,077	1,168	172	3,048	178
85+ .....	11,293	2,038	228	1,975	3,253	199	3,429	171
Not Stated .....	3	1	–	–	–	–	–	2
<b>Selected Causes of Death</b>								
HIV Disease .....	38	13	1	3	3	–	18	–
Cancer .....	7,768	1,424	90	721	663	277	4,385	208
Diabetes Mellitus .....	1,114	164	83	168	131	18	507	43
Alzheimer's Disease .....	1,325	57	8	270	676	10	290	14
Heart Disease .....	6,215	1,541	553	680	893	77	2,276	195
Myocardial Infarction .....	1,078	434	187	76	74	5	265	37
Cerebrovascular Disease .....	1,906	669	69	376	310	50	409	23
CLRD <sup>3</sup> .....	2,031	510	76	249	268	45	851	32
Asthma .....	46	11	10	3	4	1	15	2
Influenza & Pneumonia .....	396	242	14	46	41	10	40	3
SIDS .....	28	2	14	–	–	–	9	3
Unintentional Injuries .....	1,705	509	142	112	104	23	390	425
Motor vehicle .....	361	74	35	1	1	1	10	239
Water transport .....	9	–	1	–	–	–	–	8
Falls .....	590	286	29	97	87	20	56	15
Drowning .....	56	8	9	–	–	–	8	31
Suffocation .....	69	35	10	4	1	1	15	3
Fire, flames & smoke .....	42	13	2	–	–	–	25	2
Poisoning .....	428	39	47	–	–	–	248	94
Suicide .....	639	38	25	2	5	–	407	162
Homicide .....	107	17	20	–	–	–	31	39
Alcohol-induced <sup>4</sup> .....	644	202	28	46	23	16	284	45
Gunshot (Any Manner) .....	417	22	21	–	–	–	268	106

<sup>1</sup> Residential institution includes adult foster care, residential care facilities, and assisted living.

<sup>2</sup> Decedent's own home or apartment. Includes home hospice.

<sup>3</sup> CLRD = Chronic Lower Respiratory Disease.

<sup>4</sup> See Table 6-6, footnotes 36-37, for list of included conditions and their ICD codes.

– Quantity is 0.

\* Including unknown sex.

**TABLE 6-53. Crude Death Rates<sup>1</sup> for Selected Leading Causes of Mortality, United States, 1996-2010<sup>2</sup>**

Year	Total	Heart Disease	Cancer	CLRD	Cerebro-vascular Disease	Unintentional Injuries	Alzheimer's Disease	Diabetes	Pneumonia & Influenza
1996 .....	872.5	272.4	205.3	41.6	63.3	36.7	13.4	23.7	22.3
1997 .....	864.7	267.6	203.5	42.4	62.7	36.6	13.8	23.9	22.5
1998 .....	864.2	263.7	202.1	43.1	58.9	37.1	13.8	24.4	23.7
1999 .....	857.0	259.9	197.0	44.5	60.0	35.1	16.0	24.5	22.8
2000 .....	854.0	252.6	196.5	43.4	59.6	34.8	17.6	24.6	23.2
2001 .....	846.9	245.4	194.1	43.1	57.3	35.6	18.9	25.0	21.7
2002 .....	847.3	241.7	193.2	43.3	56.4	37.0	20.4	25.4	22.8
2003 .....	841.9	235.6	191.5	43.5	54.2	37.6	21.8	25.5	22.4
2004 .....	816.5	222.2	188.6	41.5	51.1	38.1	22.5	24.9	20.3
2005 .....	825.9	220.0	188.7	44.2	48.4	39.7	24.2	25.3	21.3
2006 .....	810.4	211.0	187.0	41.6	45.8	40.6	24.2	24.2	18.8
2007 .....	803.6	204.3	186.6	42.4	45.1	41.0	24.7	23.7	17.5
2008 .....	813.0	202.9	186.0	46.4	44.1	40.1	27.1	23.2	18.5
2009 .....	793.8	195.2	184.9	44.7	42.0	38.4	25.7	22.4	17.5
2010 .....	799.5	193.6	186.2	44.7	41.9	39.1	27.0	22.4	16.2

Year	Suicide	Hypertension	Alcohol <sup>3</sup>	Parkinson's Disease	Homicide	Congenital Anomalies	HIV/AIDS	Arterio-sclerosis <sup>4</sup>	ALS
1996 .....	11.6	5.5	7.3	4.5	7.8	4.0	12.7	6.1	1.6
1997 .....	11.4	5.7	7.2	4.6	7.3	3.9	6.7	5.8	1.6
1998 .....	11.3	5.9	7.1	4.9	6.6	3.9	5.4	5.5	1.6
1999 .....	10.5	6.1	7.0	5.2	6.1	3.7	5.3	5.4	1.8
2000 .....	10.4	6.4	7.0	5.6	6.0	3.8	5.1	5.1	1.9
2001 .....	10.7	6.7	7.0	5.8	7.1	3.7	5.0	4.9	1.9
2002 .....	11.0	7.0	7.0	5.9	6.1	3.7	4.9	4.8	2.0
2003 .....	10.8	7.5	7.1	6.2	6.1	3.6	4.7	4.5	2.0
2004 .....	11.0	7.9	7.2	6.1	5.9	3.6	4.4	4.0	1.9
2005 .....	11.0	8.4	7.3	6.6	6.1	3.5	4.2	4.0	2.0
2006 .....	11.1	8.0	7.4	6.5	6.2	3.5	4.0	2.9	2.0
2007 .....	11.5	7.9	7.7	6.7	6.1	3.5	3.7	2.7	2.0
2008 .....	11.9	8.5	8.0	6.7	5.9	3.4	3.4	2.6	2.0
2009 .....	12.0	8.4	8.0	6.7	5.5	3.2	3.1	2.4	2.1
2010 .....	12.4	8.6	8.3	7.1	5.3	3.1	2.7	2.3	2.2

<sup>1</sup> All rates per 100,000 population.

<sup>2</sup> Most recent year for which final data are available.

<sup>3</sup> See footnote for this cause in table 6-6. Prior to 1999, alcohol-induced deaths included ICD-9 codes 291, 303, 305.0, 357.5, 425.5, 535.5, and 571.0-571.3.

<sup>4</sup> Beginning in 2006, the National Center for Health Statistics changed the ICD-10 codes for arteriosclerosis to include only ICD-10 code I70.

NOTE: Beginning in 1999, causes of death were classified using the rubrics and methodology of the tenth revision of the International Classification of Diseases (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 6-54. Age-adjusted Death Rates for Residents of Oregon and the United States for Leading Causes of Death, 2010<sup>1</sup>**

Cause	Age-adjusted Rate <sup>2</sup>		Percent Difference	State Rank <sup>3</sup>	ICD-10 Codes <sup>4</sup>
	U.S.	Oregon			
All Causes .....	747.0	723.1	-3.2	31	A00-Y89.9
Malignant Neoplasms .....	172.8	173.9	0.6	26	C00-C97
Heart Disease .....	179.1	137.9	-23.0	48	I00-I09, I11, I13, I20-I51
Chronic Lower Respiratory Disease .....	42.2	45.3	7.3	25	J40-J47
Cerebrovascular Disease .....	39.1	40.1	2.6	24	I60-I69
Unintended Injuries .....	38.0	37.8	-0.5	34	V01-X59, Y85-Y86
Alzheimer's Disease .....	25.1	28.5	13.5	19	G30
Diabetes Mellitus .....	20.8	23.7	13.9	14	E10-E14
Suicide .....	12.1	17.1	41.3	9	X60-X84, Y87.0
Alcohol-induced Deaths .....	7.6	12.9	69.7	8	E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K86.0, R78.0, X45, X65, Y15
Hypertension .....	8.0	9.8	22.5	6	I10, I12, I15
Influenza & Pneumonia .....	15.1	9.2	-39.1	48	J09-J18
Nephritis & Nephrosis .....	15.3	8.9	-41.8	45	N00-N07, N17-N19, N25-N27
Parkinson's Disease .....	6.8	8.3	22.1	6	G20-G21
Septicemia .....	10.6	5.1	-51.9	48	A40-A41
Viral Hepatitis .....	2.1	3.7	76.2	4	B15-B19
Aortic Aneurysm & Dissection .....	3.2	3.4	6.3	20	I71
Perinatal Conditions .....	4.2	3.2	-23.8	40	P00-P96
Congenital Anomalies .....	3.2	3.1	-3.1	35	Q00-Q99
Homicide .....	5.3	2.9	-45.3	37	X85-Y09, Y87.1
Amyotrophic Lateral Sclerosis .....	2.0	2.7	35.0	4	G12.2
Arteriosclerosis .....	2.2	1.5	-31.8	35	I70
HIV/AIDS .....	2.6	1.2	-53.8	30	B20-B24

<sup>1</sup> Most recent year for which final data are available.

<sup>2</sup> 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). U.S. rates in this table were calculated using the federal Centers for Disease Control and Prevention 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.

<sup>3</sup> Ranked from high (1) to low (51) among the 50 states and the District of Columbia. Rankings for some causes of death are not out of a total of 51 because states with unreliable data have been excluded.

<sup>4</sup> From the World Health Organization's International Classification of Disease, Tenth Edition.

TABLE 6-55. Highest and Lowest Age-adjusted Death Rates<sup>1</sup> by State, 2010<sup>2</sup>

Cause	Lowest		Highest	
	State	Rate	State	Rate
All Causes .....	Hawaii	589.6	Mississippi	962.0
Heart Disease .....	Minnesota	119.4	Mississippi	251.1
Malignant Neoplasms .....	Utah	133.7	Kentucky	208.3
Chronic Lower Respiratory Disease .....	Hawaii	18.0	Oklahoma	67.4
Cerebrovascular Disease .....	New York	27.9	Arkansas	53.8
Unintended Injuries .....	New York	24.2	West Virginia	63.7
Alzheimer's Disease .....	Hawaii	10.5	Washington	43.6
Diabetes Mellitus .....	Massachusetts	13.3	West Virginia	32.9
Nephritis & Nephrosis .....	Vermont	6.7	Louisiana	27.3
Influenza & Pneumonia .....	Vermont	7.9	Kentucky	21.0
Suicide .....	District of Columbia	6.9	Alaska	22.8
Septicemia .....	California	3.4	Louisiana	18.6
Hypertension .....	Kansas	4.6	Mississippi	17.6
Alcohol-induced Deaths .....	Maryland	4.5	New Mexico	19.7
Parkinson's Disease .....	New York	4.5	Vermont	9.6
Homicide .....	Idaho	1.5	District of Columbia	17.2
Perinatal Conditions .....	New Hampshire	2.2	District of Columbia	7.5
Congenital Anomalies .....	Connecticut	1.9	South Dakota	5.2
Aortic Aneurysm & Dissection .....	New Hampshire	2.0	Vermont	5.6
HIV/AIDS .....	Wisconsin	0.8	District of Columbia	20.4
Arteriosclerosis .....	Minnesota	0.6	Kansas	11.5
Viral Hepatitis .....	Wisconsin	0.8	Oklahoma	4.4
Amyotrophic Lateral Sclerosis .....	Nevada	1.2	Vermont	3.3

<sup>1</sup> 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). U.S. rates in this table were calculated using the federal Centers for Disease Control and Prevention 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.

<sup>2</sup> Most recent year for which final data are available.



**TABLE 6-56. Life Expectancy at Birth and Remaining Years at Selected Ages by County and Sex, Oregon Residents, 2007-2011**

County of Residence	At Birth (with C.I.) <sup>1</sup>	At Birth		At Age 25		At Age 35	
		M	F	M	F	M	F
Oregon .....	79.2 (79.1 - 79.3)	77.0	81.4	53.1	57.1	43.6	47.4
Baker .....	77.9 (76.8 - 79.0)	75.8	80.1	52.3	56.6	43.1	46.9
Benton .....	82.3 (81.8 - 82.7)	80.4	84.0	55.9	59.5	46.2	49.7
Clackamas .....	79.7 (79.5 - 79.9)	77.8	81.5	53.8	57.1	44.3	47.3
Clatsop .....	78.6 (77.9 - 79.2)	76.3	80.9	52.6	56.6	43.1	47.2
Columbia .....	78.5 (77.9 - 79.1)	75.9	81.3	51.8	57.2	42.7	47.5
Coos .....	76.8 (76.3 - 77.3)	75.1	78.6	51.0	54.5	41.6	45.0
Crook .....	80.3 (79.6 - 81.1)	79.3	81.4	54.6	57.2	45.1	47.3
Curry .....	76.8 (75.8 - 77.8)	73.9	79.9	50.1	56.5	41.4	47.0
Deschutes .....	81.2 (80.9 - 81.5)	79.8	82.7	56.0	58.3	46.5	48.5
Douglas .....	77.2 (76.8 - 77.6)	74.7	79.8	51.0	55.9	41.7	46.0
Gilliam .....	80.4 (77.3 - 83.4)	**	**	**	**	**	**
Grant .....	80.3 (79.0 - 81.7)	78.7	82.2	54.3	57.8	45.2	47.8
Harney .....	78.5 (76.9 - 80.0)	76.8	80.1	52.3	56.3	43.7	47.1
Hood River .....	80.6 (79.8 - 81.5)	78.7	82.6	54.7	58.4	45.3	48.5
Jackson .....	79.2 (78.9 - 79.5)	76.8	81.6	52.8	57.2	43.6	47.5
Jefferson .....	75.7 (74.7 - 76.7)	74.3	77.3	52.3	54.1	43.9	44.8
Josephine .....	77.0 (76.6 - 77.5)	74.4	79.7	50.8	55.7	41.7	46.2
Klamath .....	76.1 (75.6 - 76.7)	73.9	78.5	50.1	54.7	41.1	45.0
Lake .....	78.3 (76.8 - 79.7)	77.2	79.4	54.0	54.7	44.5	44.9
Lane .....	79.1 (78.9 - 79.3)	76.8	81.4	52.8	57.1	43.5	47.5
Lincoln .....	77.7 (77.2 - 78.3)	74.8	80.7	50.8	56.1	41.8	46.2
Linn .....	77.8 (77.4 - 78.1)	76.1	79.4	52.3	55.3	42.9	45.6
Malheur .....	78.6 (77.9 - 79.3)	77.3	80.1	53.0	56.1	43.6	46.3
Marion .....	78.6 (78.3 - 78.8)	76.4	80.7	52.5	56.5	43.0	46.8
Morrow .....	79.9 (78.7 - 81.2)	77.5	82.9	54.0	58.4	44.7	48.5
Multnomah .....	78.8 (78.7 - 79.0)	76.0	81.5	52.0	57.1	42.6	47.4
Polk .....	79.9 (79.4 - 80.4)	77.3	82.3	53.6	57.8	44.4	48.0
Sherman .....	82.0 (77.9 - 86.1)	**	**	**	**	**	**
Tillamook .....	79.9 (79.0 - 80.7)	77.7	82.2	54.1	58.4	44.5	49.0
Umatilla .....	78.0 (77.5 - 78.5)	76.1	80.1	52.5	56.1	43.2	46.3
Union .....	78.6 (77.8 - 79.4)	76.3	80.9	52.5	56.7	43.2	47.0
Wallowa .....	80.7 (79.0 - 82.4)	78.6	83.0	55.6	59.2	45.6	49.5
Wasco .....	77.4 (76.5 - 78.2)	74.8	80.0	51.3	55.8	41.7	46.3
Washington .....	81.7 (81.5 - 81.8)	79.3	83.7	55.4	59.3	45.7	49.5
Wheeler .....	82.8 (80.2 - 85.3)	**	**	**	**	**	**
Yamhill .....	78.9 (78.5 - 79.3)	77.2	80.6	53.4	56.4	43.7	46.6

See footnotes at end of table.

**TABLE 6-56. Life Expectancy at Birth and Remaining Years at Selected Ages by County and Sex, Oregon Residents, 2007-2011 — Continued**

County of Residence	At Age 45		At Age 55		At Age 65		At Age 75		At Age 85	
	M	F	M	F	M	F	M	F	M	F
Oregon .....	34.4	37.9	25.8	28.9	18.1	20.4	11.4	13.0	6.6	7.4
Baker .....	34.0	37.9	25.7	29.0	18.7	21.0	12.6	13.8	8.3	8.5
Benton .....	36.9	39.9	27.8	30.8	19.5	22.0	12.4	13.9	7.3	8.5
Clackamas .....	34.9	37.7	26.1	28.6	17.8	19.8	10.7	12.2	5.5	6.5
Clatsop .....	34.3	37.8	25.4	28.9	17.9	20.7	11.0	13.6	5.8	7.8
Columbia .....	33.9	37.8	25.4	28.7	18.0	20.1	11.3	13.0	6.6	7.6
Coos .....	32.4	35.9	24.6	27.2	17.5	19.2	11.3	11.9	7.0	6.4
Crook .....	35.8	37.9	26.8	28.8	19.0	20.1	12.1	13.3	6.8	7.5
Curry .....	32.7	37.3	25.1	28.7	18.5	20.6	12.6	13.3	8.2	7.8
Deschutes .....	37.2	39.0	28.4	29.7	20.0	20.8	12.7	13.1	7.4	7.0
Douglas .....	32.8	36.7	24.9	27.8	17.6	19.5	11.3	12.3	6.7	6.9
Gilliam .....	**	**	**	**	**	**	**	**	**	**
Grant .....	36.2	37.8	28.0	28.6	19.8	20.4	13.6	13.0	9.2	6.0
Harney .....	34.2	37.7	25.3	29.0	18.4	21.4	11.3	14.0	7.2	8.7
Hood River .....	36.0	38.7	27.4	29.4	18.5	20.4	11.8	13.1	6.3	7.8
Jackson .....	34.5	38.0	26.1	29.1	18.4	20.5	11.5	13.0	6.7	7.4
Jefferson .....	34.8	36.3	26.3	27.6	18.6	19.6	11.8	12.5	6.5	6.4
Josephine .....	32.9	36.8	24.9	28.1	17.8	19.7	11.4	12.2	6.5	6.5
Klamath .....	32.5	35.6	24.6	27.1	17.0	19.1	11.0	12.0	6.3	6.3
Lake .....	35.4	35.6	27.0	26.8	19.0	18.7	12.2	11.7	7.0	7.1
Lane .....	34.4	38.0	26.0	29.1	18.2	20.7	11.6	13.3	6.9	7.5
Lincoln .....	32.7	37.0	25.0	28.5	18.1	20.3	12.2	13.0	7.5	7.4
Linn .....	33.7	36.3	25.3	27.6	17.7	19.4	11.1	12.2	6.8	6.9
Malheur .....	34.2	37.0	25.5	28.1	18.0	20.2	11.5	13.2	7.6	8.1
Marion .....	33.7	37.3	25.3	28.4	17.5	20.2	11.0	12.9	6.4	7.2
Morrow .....	35.6	39.0	26.9	30.0	19.0	21.4	13.2	14.0	8.7	8.3
Multnomah .....	33.3	37.9	24.8	28.9	17.2	20.6	10.5	13.3	5.8	7.6
Polk .....	35.2	38.7	26.6	29.6	18.9	21.4	12.3	14.4	7.6	9.2
Sherman .....	**	**	**	**	**	**	**	**	**	**
Tillamook .....	35.3	39.1	26.9	30.2	19.9	21.8	13.4	14.3	8.3	8.8
Umatilla .....	34.0	37.0	25.5	28.4	18.0	20.2	12.0	13.4	7.6	8.0
Union .....	34.2	37.5	25.6	28.5	17.9	20.5	11.2	13.6	7.0	7.8
Wallowa .....	36.8	39.7	28.3	30.4	20.7	21.3	13.7	14.0	7.9	8.4
Wasco .....	32.8	36.9	24.2	27.9	16.7	19.2	10.1	12.0	5.3	6.2
Washington .....	36.2	39.9	27.2	30.6	18.9	21.9	11.8	14.1	7.0	8.5
Wheeler .....	**	**	**	**	**	**	**	**	**	**
Yamhill .....	34.3	37.0	25.7	27.9	17.7	19.6	11.0	12.5	6.1	6.6

<sup>1</sup> C.I. = 95% confidence interval.

\*\* Insufficient population size for calculation.

**TABLE 6-57. Age-adjusted Death Rates for Selected Causes of Death, Oregon and United States Residents, 1996-2010<sup>1</sup>**

Year	Total			Cancer			Heart Disease		
	Oregon	US	% Diff	Oregon	US	% Diff	Oregon	US	% Diff
1996 .....	881.9	893.7	-1.3	208.8	208.6	0.1	230.6	281.4	-18.1
1997 .....	864.0	877.5	-1.5	205.7	205.3	0.2	221.8	273.5	-18.9
1998 .....	862.9	870.1	-0.8	207.9	202.5	2.7	210.7	267.2	-21.1
1999 .....	845.3	875.6	-3.5	199.2	200.8	-0.8	208.0	266.5	-22.0
2000 .....	826.9	869.0	-4.8	197.6	199.6	-1.0	197.5	257.6	-23.3
2001 .....	835.9	851.6	-1.8	198.7	195.6	1.6	195.2	246.8	-20.9
2002 .....	855.0	845.3	1.1	200.9	193.5	3.8	198.0	240.8	-17.8
2003 .....	838.4	832.7	0.7	198.3	190.1	4.3	189.5	232.3	-18.4
2004 .....	814.8	800.8	1.7	196.7	185.8	5.9	179.2	217.0	-17.4
2005 .....	791.4	798.8	-0.9	189.4	183.8	3.0	169.5	211.1	-19.7
2006 .....	784.5	776.5	1.0	185.7	180.7	2.8	162.6	200.2	-18.8
2007 .....	771.6	760.2	1.5	184.7	178.4	3.5	159.7	190.9	-16.3
2008 .....	772.8	758.3	1.9	182.8	175.3	4.3	154.5	186.5	-17.2
2009 .....	739.7	741.1	-0.2	176.7	173.2	2.0	143.0	180.1	-20.6
2010 .....	735.0	747.0	-1.6	177.9	172.8	2.9	139.7	179.1	-22.0

Year	Chronic Lower Resp. Disease			Cerebrovascular Disease			Unintentional Injuries		
	Oregon	US	% Diff	Oregon	US	% Diff	Oregon	US	% Diff
1996 .....	52.5	42.4	23.8	83.7	65.7	27.4	40.6	36.6	10.9
1997 .....	50.8	42.8	18.7	80.8	64.3	25.7	39.9	36.4	9.6
1998 .....	49.6	43.5	14.0	80.7	62.4	29.3	40.8	36.7	11.2
1999 .....	50.4	45.4	11.0	80.3	61.6	30.4	33.9	35.3	-4.0
2000 .....	47.8	44.2	8.1	70.8	60.9	16.3	34.6	34.9	-0.9
2001 .....	48.7	43.6	11.7	71.4	57.7	23.7	35.4	35.5	-0.3
2002 .....	50.9	43.5	17.0	71.7	56.2	27.6	38.4	36.9	4.1
2003 .....	49.8	43.3	15.0	68.5	53.5	28.0	38.3	37.3	2.7
2004 .....	48.1	41.1	17.0	61.9	50.0	23.8	38.8	37.7	2.9
2005 .....	47.8	43.2	10.6	57.3	46.6	23.0	37.6	39.1	-3.8
2006 .....	46.8	40.5	15.6	48.8	43.6	11.9	40.7	39.8	2.3
2007 .....	47.5	40.8	16.4	44.5	42.2	5.5	41.7	40.0	4.3
2008 .....	48.2	44.0	9.5	45.6	40.7	12.0	42.4	38.8	9.3
2009 .....	46.4	42.3	9.6	44.0	38.9	13.2	38.8	37.3	3.9
2010 .....	46.5	42.2	10.2	40.5	39.1	3.6	37.8	38.0	-0.6

<sup>1</sup> Most recent year for which final US data are available.

NOTE: US age-adjusted death rates are from compressed mortality files available at the federal Centers for Disease Control and Prevention's WONDER online database. Unlike the data shown in Tables 6-54 and 6-55, all Oregon data are from state mortality files. Consequently, the rates and percentage differences shown here will vary from those in Tables 6-54 and 6-55 due to different file closure dates, different population estimate methodologies, and incorporation of physician query results. National comparability ratios have been applied to rates prior to 1999 to control for coding changes resulting from the implementation of ICD-10 when it supplanted ICD-9 in 1999. Because the ratios are based on national data, discontinuities may occur when Oregon physicians reported causes of death differently than their national counterparts (e.g., Alzheimer's disease vs. Alzheimer's dementia). Some differences between Oregon and US rates (e.g., alcohol-induced deaths) result, at least in part, from the State's query program: when death certificates are incomplete, letters are sent to physicians/certifiers requesting additional information.

**TABLE 6-57. Age-adjusted Death Rates for Selected Causes of Death, Oregon and United States Residents, 1996-2010<sup>1</sup> — Continued**

Year	Alzheimer's Disease			Diabetes Mellitus			Suicide		
	Oregon	US	% Diff	Oregon	US	% Diff	Oregon	US	% Diff
1996 .....	20.6	13.4	53.7	23.0	24.3	-5.3	16.7	11.5	45.2
1997 .....	19.8	13.8	43.5	24.9	24.2	2.9	16.7	11.2	49.1
1998 .....	19.0	13.6	39.7	26.0	24.6	5.7	17.2	11.1	55.0
1999 .....	24.7	16.5	49.7	24.7	25.0	-1.2	14.9	10.5	41.9
2000 .....	24.8	18.1	37.0	23.8	25.0	-4.8	14.3	10.4	37.5
2001 .....	28.1	19.0	47.9	28.8	25.2	14.3	14.9	10.7	39.3
2002 .....	30.3	20.2	50.0	28.6	25.4	12.6	14.5	10.9	33.0
2003 .....	30.6	21.4	43.0	28.1	25.3	11.1	16.3	10.8	50.9
2004 .....	33.4	21.8	53.2	29.0	24.5	18.4	15.2	10.9	39.4
2005 .....	30.4	22.9	32.8	29.3	24.6	19.1	14.9	10.9	36.7
2006 .....	29.5	22.6	30.5	28.9	23.3	24.0	15.1	10.9	38.5
2007 .....	28.0	22.7	23.3	27.9	22.5	24.0	15.6	11.3	38.1
2008 .....	30.5	24.4	25.0	24.8	21.8	13.8	14.7	11.6	26.7
2009 .....	27.7	23.5	17.8	25.3	20.9	20.9	16.1	11.8	36.2
2010 .....	28.7	25.1	14.3	24.2	20.8	16.3	17.1	12.1	41.4

Year	Alcohol-Induced			Hypertension			Flu & Pneumonia		
	Oregon	US	% Diff	Oregon	US	% Diff	Oregon	US	% Diff
1996 .....	12.8	8.2	56.1	6.5	5.7	14.0	20.1	22.9	-12.2
1997 .....	11.5	7.9	45.6	7.7	5.8	32.8	19.0	23.2	-18.1
1998 .....	11.0	7.8	41.0	6.6	6.0	10.0	20.7	24.1	-14.1
1999 .....	8.9	7.1	25.4	7.0	6.2	12.9	19.5	23.5	-17.0
2000 .....	10.8	7.0	54.3	6.2	6.5	-4.6	17.5	23.7	-26.2
2001 .....	12.2	7.0	74.3	8.6	6.8	26.5	15.7	21.9	-28.3
2002 .....	12.3	6.9	78.3	9.6	7.0	37.1	17.9	22.6	-20.8
2003 .....	14.2	7.0	102.9	9.3	7.4	25.7	17.0	22.0	-22.7
2004 .....	13.8	7.0	97.1	9.5	7.7	23.4	14.7	19.8	-25.8
2005 .....	13.7	7.0	95.7	10.6	8.0	32.5	15.1	20.3	-25.6
2006 .....	11.7	7.0	67.1	8.9	7.5	18.7	12.8	17.8	-28.1
2007 .....	13.1	7.3	79.5	8.6	7.4	16.2	11.4	16.2	-29.6
2008 .....	12.9	7.4	74.3	9.5	7.7	23.4	12.3	16.9	-27.2
2009 .....	13.4	7.4	81.4	9.5	7.7	23.1	12.0	16.2	-26.2
2010 .....	13.0	7.6	71.2	9.8	8.0	23.1	9.3	15.1	-38.4

<sup>1</sup> Most recent year for which final US data are available.

NOTE: US age-adjusted death rates are from compressed mortality files available at the federal Centers for Disease Control and Prevention's WONDER online database. Unlike the data shown in Tables 6-54 and 6-55, all Oregon data are from state mortality files. Consequently, the rates and percentage differences shown here will vary from those in Tables 6-54 and 6-55 due to different file closure dates, different population estimate methodologies, and incorporation of physician query results. National comparability ratios have been applied to rates prior to 1999 to control for coding changes resulting from the implementation of ICD-10 when it supplanted ICD-9 in 1999. Because the ratios are based on national data, discontinuities may occur when Oregon physicians reported causes of death differently than their national counterparts (e.g., Alzheimer's disease vs. Alzheimer's dementia). Some differences between Oregon and US rates (e.g., alcohol-induced deaths) result, at least in part, from the State's query program: when death certificates are incomplete, letters are sent to physicians/certifiers requesting additional information.

**TABLE 6-57. Age-adjusted Death Rates for Selected Causes of Death, Oregon and United States Residents, 1996-2010<sup>1</sup> — Continued**

Year	Parkinson's Disease			Viral Hepatitis			Homicide		
	Oregon	US	% Diff	Oregon	US	% Diff	Oregon	US	% Diff
1996 .....	7.2	4.6	56.5	1.1	1.0	10.0	4.5	7.5	-40.0
1997 .....	6.4	4.7	36.2	1.4	1.1	27.3	3.9	7.0	-44.3
1998 .....	8.0	4.9	63.3	1.6	1.3	23.1	4.1	6.4	-35.9
1999 .....	7.3	5.4	35.2	1.3	1.8	-27.8	3.3	6.0	-45.0
2000 .....	7.7	5.7	35.1	2.2	1.9	15.8	2.7	5.9	-54.2
2001 .....	8.0	5.8	37.9	2.5	2.0	25.0	3.1	7.1	-56.3
2002 .....	8.3	5.9	40.7	3.5	2.0	75.0	3.1	6.1	-49.2
2003 .....	8.4	6.2	35.5	2.6	1.8	44.4	2.5	6.0	-58.3
2004 .....	8.6	6.1	41.0	2.9	1.8	61.1	3.1	5.9	-47.5
2005 .....	7.7	6.4	20.3	2.3	1.8	27.8	2.9	6.1	-52.5
2006 .....	8.7	6.3	38.1	2.2	2.3	-4.3	3.0	6.2	-51.6
2007 .....	8.2	6.4	28.1	4.2	2.3	82.6	2.1	6.1	-65.6
2008 .....	8.7	6.4	35.9	3.8	2.3	65.2	2.6	5.9	-55.9
2009 .....	8.3	6.4	29.7	3.9	2.2	77.1	2.6	5.5	-53.3
2010 .....	8.5	6.8	25.6	3.8	2.1	79.8	2.9	5.3	-45.5

Year	Amyotrophic Lateral Sclerosis			Arteriosclerosis			HIV/AIDS		
	Oregon	US	% Diff	Oregon	US	% Diff	Oregon	US	% Diff
1996 .....	2.0	1.6	25.0	7.5	6.4	17.2	7.6	11.9	-36.1
1997 .....	2.3	1.6	43.8	6.9	6.0	15.0	3.2	6.2	-48.4
1998 .....	2.2	1.6	37.5	6.5	5.6	16.1	2.3	4.9	-53.1
1999 .....	2.2	1.9	15.8	5.6	5.5	1.8	2.2	5.3	-58.5
2000 .....	2.7	2.0	35.0	6.4	5.2	23.1	1.8	5.2	-65.4
2001 .....	2.6	1.9	36.8	5.3	5.0	6.0	1.9	5.0	-62.0
2002 .....	3.0	2.0	50.0	5.7	4.7	21.3	2.5	4.9	-49.0
2003 .....	3.1	2.0	55.0	5.5	4.4	25.0	2.5	4.7	-46.8
2004 .....	2.9	1.9	52.6	4.6	3.9	17.9	1.8	4.5	-60.0
2005 .....	2.8	1.9	47.4	4.8	3.8	26.3	1.5	4.2	-64.3
2006 .....	2.9	1.9	52.6	2.8	2.7	3.7	1.4	4.0	-65.0
2007 .....	2.3	1.9	21.1	3.0	2.5	20.0	1.5	3.7	-59.5
2008 .....	3.0	1.9	57.9	2.2	2.3	-4.3	1.0	3.3	-69.7
2009 .....	2.7	1.9	39.8	1.8	2.2	-19.0	1.1	3.0	-62.7
2010 .....	2.8	2.0	38.9	1.6	2.2	-29.1	1.2	2.6	-55.1

<sup>1</sup> Most recent year for which final US data are available.

NOTE: US age-adjusted death rates are from compressed mortality files available at the federal Centers for Disease Control and Prevention's WONDER online database. Unlike the data shown in Tables 6-54 and 6-55, all Oregon data are from state mortality files. Consequently, the rates and percentage differences shown here will vary from those in Tables 6-54 and 6-55 due to different file closure dates, different population estimate methodologies, and incorporation of physician query results. National comparability ratios have been applied to rates prior to 1999 to control for coding changes resulting from the implementation of ICD-10 when it supplanted ICD-9 in 1999. Because the ratios are based on national data, discontinuities may occur when Oregon physicians reported causes of death differently than their national counterparts (e.g., Alzheimer's disease vs. Alzheimer's dementia). Some differences between Oregon and US rates (e.g., alcohol-induced deaths) result, at least in part, from the State's query program: when death certificates are incomplete, letters are sent to physicians/certifiers requesting additional information.

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## **SECTION 7: FETAL AND INFANT MORTALITY**

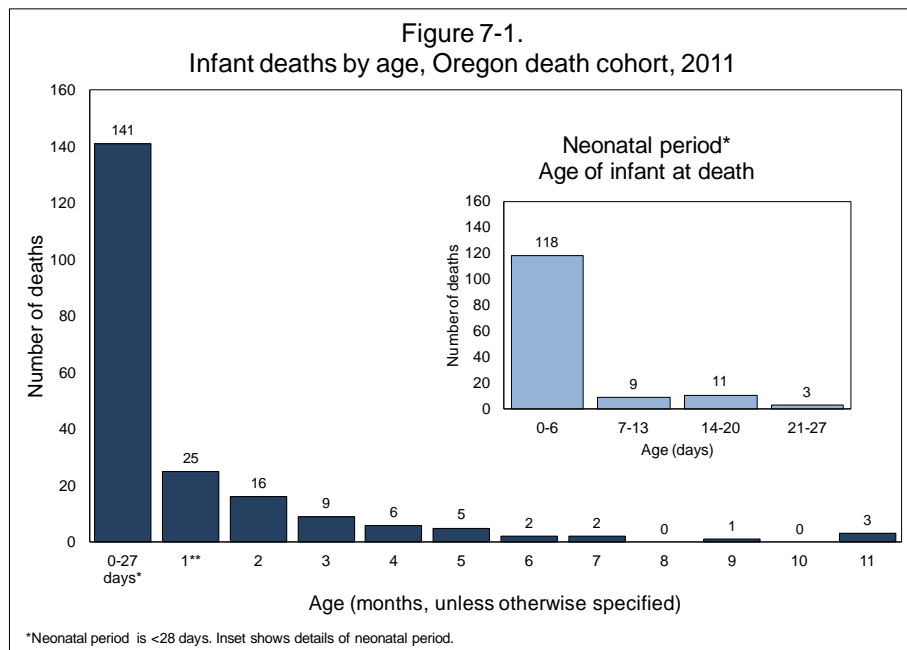
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# Fetal and infant mortality

## Introduction

This report presents fetal and infant mortality data. Infant deaths are deaths occurring within one year of birth. Fetal deaths included in this report are for fetuses weighing at least 350 grams at delivery, or at least 20 weeks gestation if delivery weight is unknown. This definition applies to data after 1998. Although fetal and infant death records are useful for statistically describing deaths within a given time frame, their fundamental purpose is to assist in the discovery and evaluation of 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 (Figure 7-2).

The five categories of fetal and infant death were analyzed using three databases: (1) fetal deaths, (2) infant deaths and (3) births. National publications covering the subject of fetal and infant death may use one or any combination of these databases. As a result, death rates often vary slightly depending on whether birth or death cohorts were used as



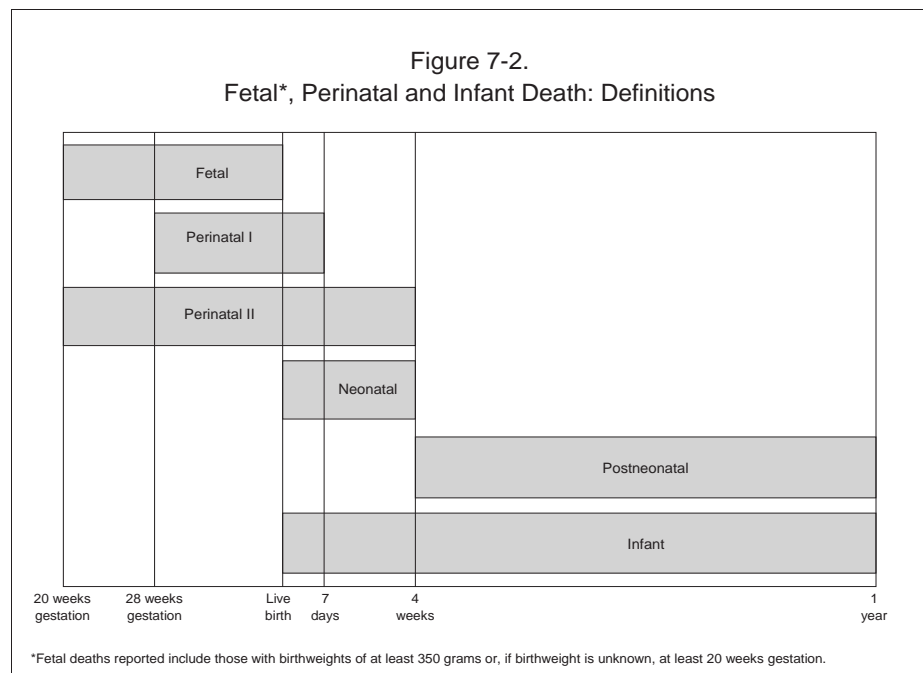
the data source for statistical analysis (for a description of these cohorts, see the next section below).

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; 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** occur to fetuses weighing at least 350 grams at delivery, or at least 20 weeks gestation if delivery weight is unknown. For an event to be classified as a fetal death, the developing fetus either dies in utero or during delivery. Fetal deaths are classified as “early” (20–27 weeks gestation) or “late” (28 or more weeks gestation). Oregon public health and safety laws require they be reported.<sup>1</sup>
- **Infant deaths** 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 seven days) or “late” (7–27 days).

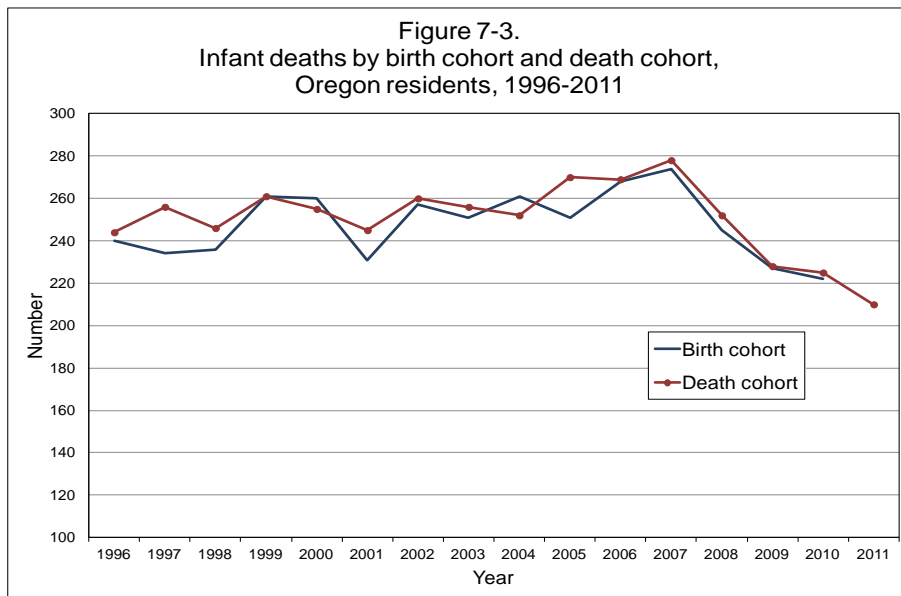




» **Postneonatal deaths** occur from day 28 through day 364 after birth.

- **Perinatal deaths – definition I** includes fetal deaths at 28 weeks gestation or more, and infant deaths of less than seven 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, or the **Infant Mortality Rate**,<sup>2</sup> includes all infant deaths occurring in any given calendar year, divided by the total number of babies born in the same calendar year. In this report, the death cohort consists of infants who died in 2011 and could have been born in either 2010 or 2011. Data from the death cohort are usually available sooner than birth cohort data, as described below. The death cohort's focus and analysis are on death certificate information, such as age, residence of the infant, and cause of death. Table 7-1 and 7-2 are based on a death cohort.
- The **birth cohort** for matched infant deaths (each death certificate matched to its corresponding birth certificate) is based on analysis of infants born in the same calendar year who die within one year of their birth. In this report, the birth cohort consists of infants born in 2010 and died in either 2010 or 2011. Analysis based on a birth cohort is typically not as timely, but allows the analysis of characteristics from the birth

Figure 7-3.  
Infant deaths by birth cohort and death cohort,  
Oregon residents, 1996-2011



certificate, such as mother's race, age, and factors affecting the birth outcomes (i.e., birth weight, prenatal care, mother's use of tobacco). Rates using the birth or death cohorts may differ slightly, but the difference is usually small. Tables 7-8 through 7-18 are based on an infant birth cohort.

## Use of the 2011 death cohort

This chapter uses data from the 2011 death cohort in the first two tables. Much of the discussion is on the cause of death. Infant characteristics at the time of death are derived from death certificates, with the primary focus on 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.

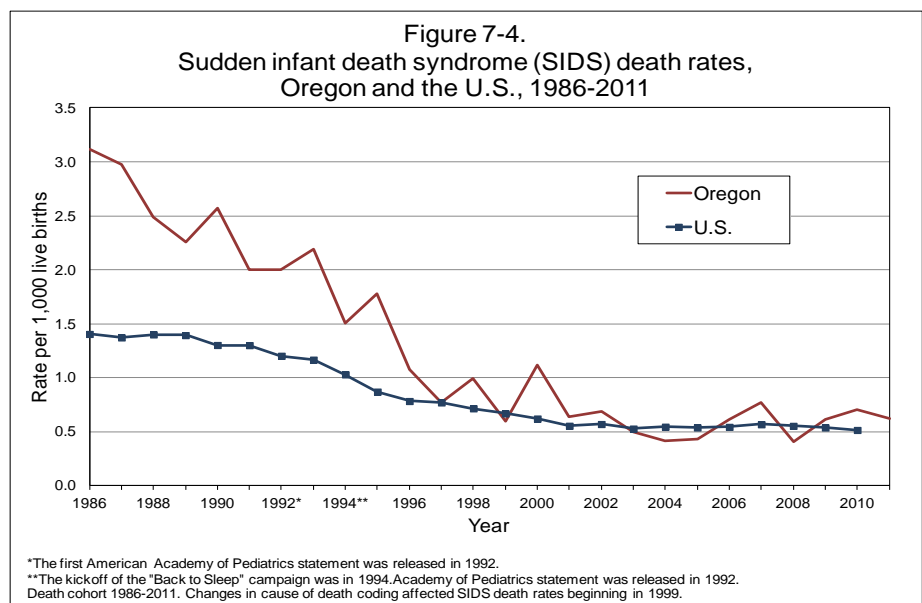
### Demographics

During 2011, 210 infants under age 1 died who were residents of Oregon, down from 225 in 2010. The infant mortality rate was 4.7 deaths per 1,000 births, and decreased 0.2 percent from the previous year's rate of 4.9. The decrease was not statistically significant. Oregon's infant death rate is 21.7 percent lower than the preliminary 2011 U.S. rate of 6.2 per 1,000 births.<sup>3</sup> As in previous years, most infants (67.1 %) who died during 2011 were less than 28 days old. More than half (56.2 %) of infant deaths occur within the first week of life. [Figure 7-1].

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**During 2011, 210 infants under age 1 died.**

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During the five-year period 2007 to 2011, the infant mortality rates for Oregon counties ranged from 2.6 to 11.7 (excluding counties with less than five infant deaths). Three Oregon counties had infant mortality rates statistically significantly higher than the state rate (5.0): Jefferson (11.7), Tillamook (10.1) and Klamath (7.8). No counties had infant mortality rates statistically significantly lower than the state rate.

### Sudden Infant Death Syndrome

Sudden Infant Death Syndrome (SIDS) is the sudden and unexpected death of an apparently healthy infant under 1 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 7-4]. However, since 2001 Oregon's rates and the nation's rates have been very similar. Oregon's rate started dropping quickly after "Back to Sleep," a national educational campaign to encourage non-prone sleeping positions for infants, kicked off in 1994. As the number of SIDS-related events decreases, there will be more variability in Oregon's rate of SIDS deaths due to smaller numerators in rate calculations.

The number of SIDS deaths decreased from 32 deaths in 2010 to 28 in 2011, and the SIDS death rate among infants decreased from .7 SIDS deaths per 1,000 live births to .6. However, the decrease was not statistically significant. In 2011, SIDS accounted for 13.3 percent of the state's total infant deaths and 39.1 percent of all postneonatal deaths. [Table 7-2].

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***There was an decrease  
in SIDS deaths in 2011.***

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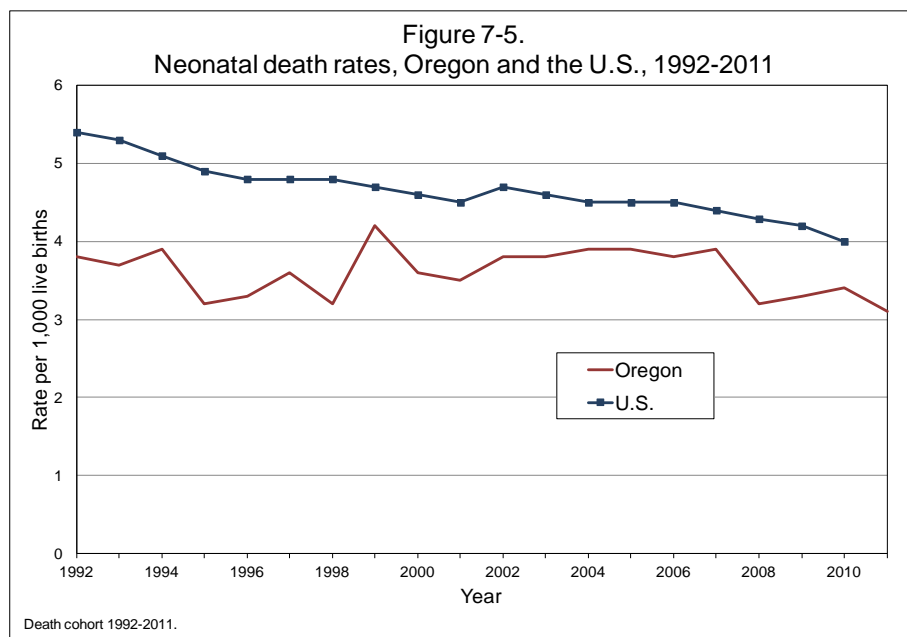


Table A - Neonatal deaths due to Respiratory Distress Syndrome, 1995-2011			
Year	Number	Percent*	Rate**
1995	4	2.9	9.4
1996	5	3.4	11.5
1997	2	1.3	4.6
1998	8	5.6	17.7
1999	7	3.1	13.3
2000	6	3.6	13.1
2001	5	3.2	11.0
2002	4	2.3	8.9
2003	3	1.7	6.5
2004	6	3.4	13.1
2005	10	5.6	21.8
2006	5	2.7	10.3
2007	9	4.7	18.2
2008	3	1.9	6.1
2009	2	1.3	4.2
2010	3	2.0	6.6
2011	4	2.8	8.9

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

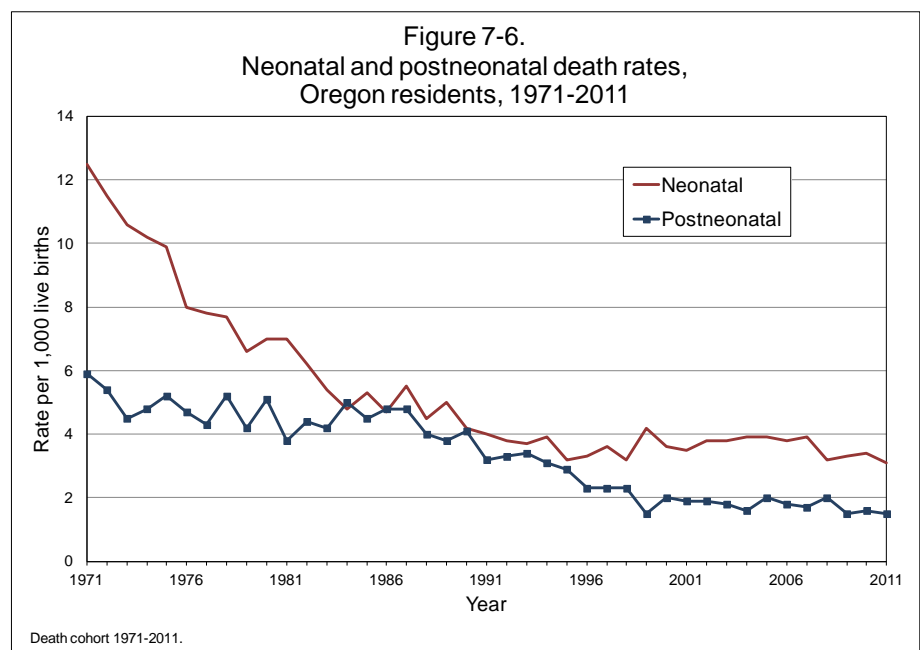
## Neonatal death

Neonatal and postneonatal death rates have been declining since 1936, when the neonatal death rate was 29.0 per 1,000 births, and the postneonatal death rate was 15.3 per 1,000 births. In 2011, the neonatal death rate was 3.1 per 1,000 live births (down from 3.4 in 2010), and the postneonatal death rate was 1.5 (down from 1.6 in 2010). [Figure 7-5, Table 7-1].

In 2011, 141 infants died during the neonatal period, a decrease from 153 in 2010. Oregon's neonatal death rate has consistently been below that of the U.S. [Figure 7-6]. The 2011 Oregon rate (3.1) is 22.5 percent lower than the preliminary 2011 national rate of 40.3. Maternal factors were responsible for more neonatal deaths than any other cause (26.2%), followed by congenital anomalies (23.4%), and short gestation and fetal growth (19.9%). [Table 7-2]. There were four neonatal deaths due to Respiratory Distress Syndrome (RDS) in 2011. [Table A]. The numbers of RDS deaths vary considerably from year to year. This is due to physicians citing it less frequently as the cause of death — a change of only a few RDS events incorrectly appears as an alarming increase or decrease, for example there were 10 neonatal RDS events reported in 2005, but only five in 2006.

## Postneonatal death

In 2011, 69 infants died during the postneonatal period, representing 32.9 percent of all infant deaths. The postneonatal death rate (1.5 per 1,000 births) is a decrease



from 2010 (1.6 per 1,000); however, the difference is not statistically significant. [Figure 7-5]. Sudden Infant Death Syndrome (SIDS) was the most common cause of death (39.1 %). Congenital anomalies were the second most common cause of death and accounted for 17.4 percent of postneonatal deaths. Unintentional injuries were the third most common cause of postneonatal death (13.0 %). [Table 7-2]. Before 1996, Oregon’s postneonatal death rate was higher than the U.S. rate; since then, the state rate has been lower than the national postneonatal rate (1.5 vs. 2.0 per 1,000 births in 2011).<sup>3</sup>

**Table B - Fetal death ratios per 1,000 live births, by mother's age, 2007-2011**

AGE	YEAR				
	2011	2010	2009	2008	2007
Total	4.1	4.0	4.6	4.3	3.7
15-44	4.1	4.0	4.6	4.3	3.6
15-19	6.4	5.1	8.1	5.6	3.2
20-24	4.6	3.5	4.4	5.0	3.9
25-29	2.9	3.4	3.4	3.3	2.9
30-34	3.9	3.7	4.3	4.7	3.6
35-39	4.6	6.3	4.8	3.9	4.5
40-44	8.1	*	8.6	*	6.3

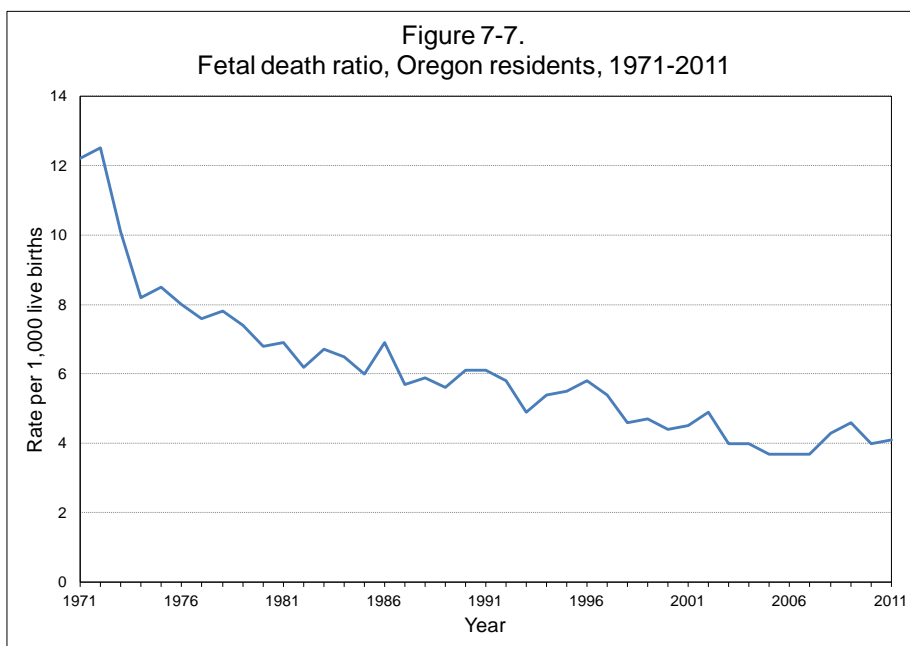
\* Ratio was not calculated because there were fewer than five fetal deaths in this category.

**Fetal death**

Fetal deaths were first reported to the Public Health Division in 1928, when the ratio of fetal deaths to live births was 29.0 for every 1,000 birth. Since then, the ratio has generally decreased, and has remained under 6.0 since 1992. [Figure 7-7, Table 5-2]. In 2011, there were 186 Oregon resident fetal deaths, or 4.1 fetal deaths per 1,000 live births. [Table 7-3]. This is not a statistically significant increase from 2010 when there were 181 fetal deaths reported, and the ratio to births was 4.0.

**Fetal cause of death**

Causes of Oregon’s 186 fetal deaths in 2011 are shown in Table 7-4. Fetal death of unspecified cause was the most frequently reported cause of fetal death in 2011 (70 deaths).



Year	weeks of gestation		
	<28	28-36	37+
2002	36.9	35.1	27.9
2003	29.9	37.5	31.5
2004	34.2	34.2	31.5
2005	47.7	28.5	23.8
2006	42.1	36.5	21.3
2007	45.3	31.5	22.7
2008	41.5	31.6	26.4
2009	33.3	40.3	26.4
2010	39.2	35.4	24.9
2011	36.6	36.6	26.9

Complications of the placenta, cord and membranes were the second most common cause of death (55 deaths). Congenital anomalies were third (17 deaths). These three causes of death represented 76.3 percent of all 2011 Oregon fetal deaths. In 1999, the first year Oregon used ICD-10 codes, fetal death of unspecified cause represented 18.4 percent of all fetal deaths. In 2011, this same cause made up 37.6 percent of fetal deaths, a 104.3 percent increase.

## 2010 birth cohort for infant deaths

Infant mortality analyses can also be performed using birth cohort data. The numerators for all rates and ratios are based on the number of infants born in a given year who die prior to their first birthday. Perinatal analyses also include all fetal deaths occurring in the same year. Because infants can be born in one year and die the following year, use of the birth cohort requires inclusion of the 2011 death data in the report on the 2010 birth cohort. For illustration, 222 of the infants born in 2010 died within the first year of life; of these 222 deaths, 202 died in calendar year 2010, and 20 died in 2011. Those dying in 2011 are also reported in this year's report as part of the 2011 death cohort.

### Small numbers

Because of the small number 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 death, reported in Tables 7-13 through 7-16, combines fetal deaths of specific gestation and neonatal deaths. [Figure 7-2]. These tables present a comprehensive picture of late gestation fetal deaths and neonatal deaths. As shown in Figure 7-8, the perinatal death rate (the combined rates of fetal and neonatal death) is now lower than the rates seen in the early 1990s. The neonatal death rate for the 2010 birth cohort (3.4) was one of the lower rates seen in the past decade. Both the fetal and neonatal death rates are erratic year-to-year due to the small number of cases. The fetal death rate hit a low of 3.7 in the 2005 to 2007 period, but has increased slightly since then.

## Neonatal deaths: 2008–2010 birth cohorts

Characteristics of the mothers of infants who died during the neonatal period may have affected the outcome of their pregnancies. These include marital status, age, ethnicity and race, education, prenatal care and tobacco use. [Table 7-18].

### Birth weight

The birth weight of an infant has long been a predictor of subsequent survival. An increase in birth weight is correlated with a decrease in the risk of neonatal death. For the period 2008–2010, the neonatal death rate decreased by about one-half, on average, for each 250 to 500 gram increase in birth weight for infants weighing less than 3,000 grams at birth. [Table 7-12]. The death rate for infants weighing less than 350 grams was 984.1 per 1,000 live births, decreasing to 0.7 per 1,000 live births for infants weighing more than 2,500 grams. [Table 7-12 and Figure 7-9].

Many behavioral, social and medical conditions are associated with higher rates of infant death. These conditions may also 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.

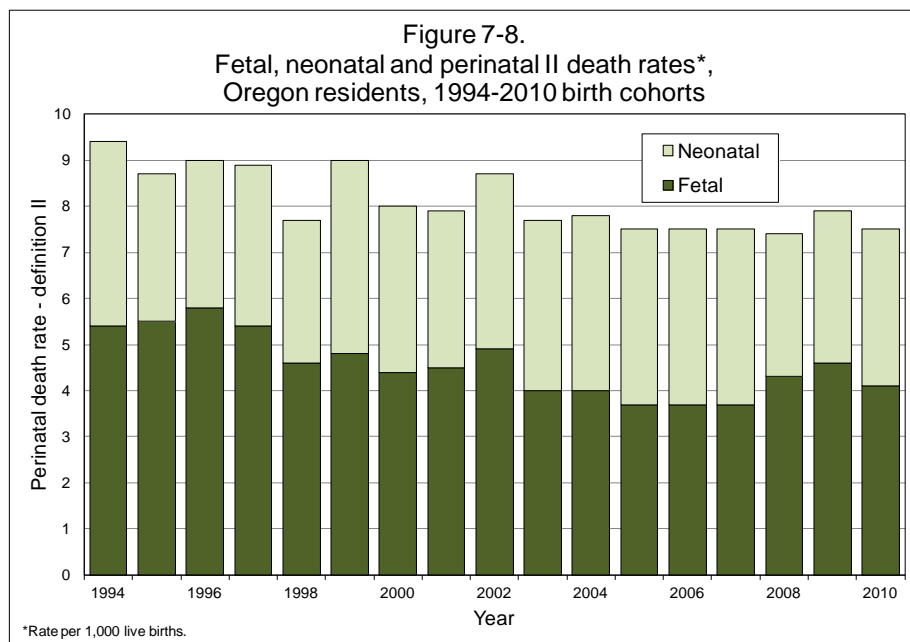
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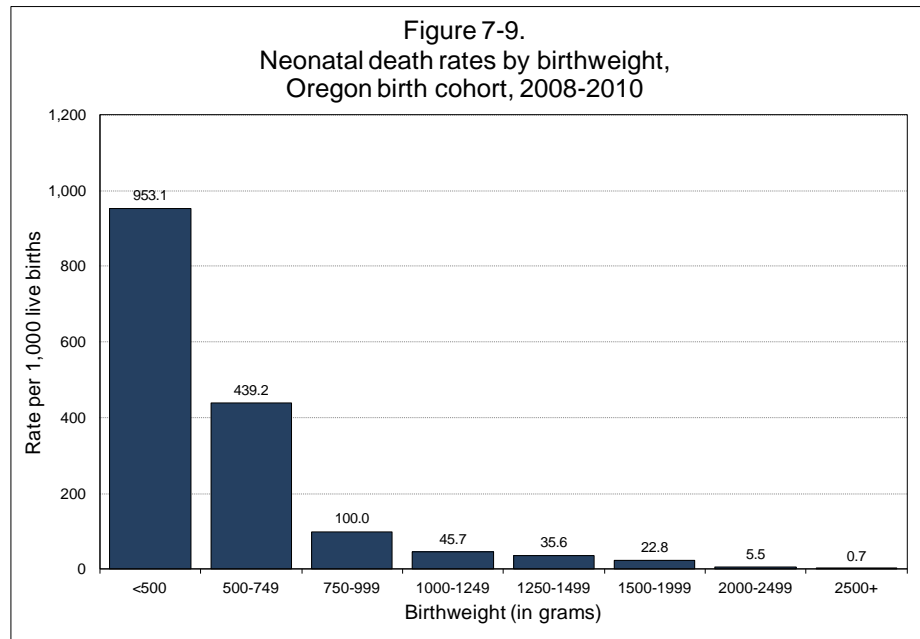
***Birth weight has long  
been a predictor of  
survival.***

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### Maternal characteristics

Though a majority of women reported being married at the time of birth, the neonatal death rate was statistically





significantly higher for unmarried women than for married women during the period 2008–2010 (3.9 versus 2.9 per 1,000). Women with at least some college education had a lower neonatal death rate (2.9 per 1,000) than women with fewer years of education, but the differences between these rates were not statistically significant. Non-Hispanic White mothers had a statistically significantly lower rate of neonatal infant death than non-Hispanic Black and non-Hispanic Pacific Islander mothers (3.2 versus 6.8 and 8.3). Hispanic mothers had a significantly lower rate statistically of neonatal infant death than non-Hispanic Black mothers (3.1 versus 6.8). None of the other differences in rates between race and ethnic groups were significant. Mothers that were ages 30–34 had a statistically significantly lower rate of neonatal death than mothers ages 15–19 (2.9 versus 4.6). Mothers of multiple births also had statistically significantly higher rates of neonatal deaths than those with single births (18.1 versus 2.8). [Table 7-18].

### Prenatal care

Women who received prenatal care, regardless of when prenatal care began, had statistically significantly lower rates of neonatal deaths than women who received no prenatal care (2.8 versus 29.9 per 1,000 births). [Table 7-18].

### Tobacco use

The infants of women who smoked during pregnancy had a statistically significantly higher rate of neonatal deaths



than infants of women who did not use tobacco (4.4 versus 3.0 per 1,000). Tobacco use may be underreported, thereby eliminating some high-risk mothers from the analysis and lowering the neonatal death rates for this category. [Table 7-18].

### **Postneonatal deaths: 2008–2010 birth cohort**

Mothers who were unwed, or had a high school education or less, or used tobacco during pregnancy, or had no prenatal care, or gave birth to multiple infants had statistically significantly higher rates of postneonatal death. The postneonatal mortality rate for non-Hispanic American Indian mothers was statistically significantly higher than the rate for non-Hispanic White, non-Hispanic Asian and Hispanic mothers (5.5 versus 1.6, 1.3, and 1.3, respectively). Infants of younger mothers had higher death rates than infants of older mothers. Infants born to mothers who were ages 35–39 had the lowest postneonatal death rate (1.0). [Table 7-18].

### **Endnotes**

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.” Currently, hospitals and reporting facilities send all fetal deaths directly to the State of Oregon Center for Health Statistics rather than to county registrars.
2. See definitions under Statistical measure and definitions at the National Association of Health Statistics and Information Systems website:  
*<http://www.naphsis.org/Pages/StatisticalMeasuresandDefinitions.aspx>* or the Volume 61, Number 4, National Vital Statistics Reports at the

National Center for Health Statistics website: [http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60\\_03.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_03.pdf).

3. Preliminary 2011 U.S. data obtained from the Volume 61, Number 6, National Vital Statistics Reports at the National Center for Health Statistics website:

[http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60\\_04.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_04.pdf)

**TABLE 7-1. Infant Deaths by Age and County of Residence, Oregon, 2011**

County of Residence	Total Infant Deaths <sup>1</sup>	Infant Death Rate <sup>2</sup>	Neonatal Deaths <sup>3</sup> (Age <28 Days)				Neonatal Rate <sup>2</sup>	Post-Neonatal Deaths <sup>4</sup>	Post-Neonatal Rate <sup>2</sup>
			Total Neonatal	Under 1 Day	1-6 Days	7-27 Days			
Total .....	210	4.7	141	97	21	23	3.1	69	1.5
Baker .....	–	–	–	–	–	–	–	–	–
Benton .....	2	2.6	2	2	–	–	2.6	–	–
Clackamas .....	17	4.4	11	5	4	2	2.9	6	1.6
Clatsop .....	2	4.7	2	2	–	–	4.7	–	–
Columbia .....	–	–	–	–	–	–	–	–	–
Coos .....	3	5.2	1	–	1	–	1.7	2	3.5
Crook .....	–	–	–	–	–	–	–	–	–
Curry .....	2	10.8	2	2	–	–	10.8	–	–
Deschutes .....	7	4.1	5	1	3	1	2.9	2	1.2
Douglas .....	7	6.4	4	3	1	–	3.7	3	2.8
Gilliam .....	–	–	–	–	–	–	–	–	–
Grant .....	–	–	–	–	–	–	–	–	–
Harney .....	1	15.4	–	–	–	–	–	1	15.4
Hood River .....	1	3.6	1	1	–	–	3.6	–	–
Jackson .....	8	3.4	5	4	1	–	2.1	3	1.3
Jefferson .....	4	12.7	2	1	–	1	6.4	2	6.4
Josephine .....	3	3.9	1	–	–	1	1.3	2	2.6
Klamath .....	7	8.5	3	3	–	–	3.6	4	4.8
Lake .....	–	–	–	–	–	–	–	–	–
Lane .....	13	3.7	8	4	–	4	2.3	5	1.4
Lincoln .....	1	2.4	–	–	–	–	–	1	2.4
Linn .....	7	4.7	5	5	–	–	3.4	2	1.4
Malheur .....	5	11.3	4	3	–	1	9.1	1	2.3
Marion .....	27	6.2	19	14	2	3	4.3	8	1.8
Morrow .....	1	5.8	1	1	–	–	5.8	–	–
Multnomah .....	35	3.7	22	16	3	3	2.3	13	1.4
Polk .....	1	1.2	–	–	–	–	–	1	1.2
Sherman .....	–	–	–	–	–	–	–	–	–
Tillamook .....	3	12.4	2	2	–	–	8.3	1	4.1
Umatilla .....	3	2.8	2	1	–	1	1.9	1	0.9
Union .....	3	9.4	2	1	1	–	6.3	1	3.1
Wallowa .....	2	37.0	2	2	–	–	37.0	–	–
Wasco .....	1	3.5	1	1	–	–	3.5	–	–
Washington .....	37	5.2	30	19	5	6	4.2	7	1.0
Wheeler .....	–	–	–	–	–	–	–	–	–
Yamhill .....	7	6.1	4	4	–	–	3.5	3	2.6

– Quantity is zero.

<sup>1</sup> Infant death is the death of a child prior to its first birthday.

<sup>2</sup> Rates per 1,000 live births.

<sup>3</sup> Neonatal deaths occur during the first 27 days of life.

<sup>4</sup> Postneonatal deaths occur from day 28 through 364 after birth.

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

TABLE 7-2. Infant Deaths by Cause and Age, Oregon Residents, Death Cohort, 2011

Selected Causes of Death (and their ICD-10 codes)	Total Infant Deaths <sup>1</sup>	Neonatal Deaths <sup>2</sup>				Post- Neo- natal Deaths <sup>3</sup>
		Under 1 Day	1-6 Days	7-27 Days	Total Neo- natal	
Total .....	210	97	21	23	141	69
Rate <sup>4</sup> .....	4.7	2.1	0.5	0.5	3.1	1.5
<b>Infections &amp; parasitic disease (A00-B99)</b> .....	6	—	—	—	—	6
Gastroenteritis of infectious origin (A09) .....	4	—	—	—	—	4
Meningococcal infection (A39) .....	1	—	—	—	—	1
Septicaemia (A40-A41) .....	1	—	—	—	—	1
<b>Malignant neoplasms (C00-C97)</b> .....	1	—	—	—	—	1
Leukemia (C91-C95) .....	1	—	—	—	—	1
<b>Diseases of Blood &amp; Immune Disorders (D50-D89)</b> .....	1	—	—	—	—	1
<b>Diseases of the Nervous System (G00-G99)</b> .....	1	1	—	—	1	—
<b>Diseases of the Circulatory System (I00-I99)</b> .....	1	—	—	—	—	1
<b>Diseases of the Respiratory System (J00-J99)</b> .....	2	—	—	—	—	2
<b>Perinatal Conditions (P00-P96)</b> .....	109	73	17	14	104	5
Fetus & newborn affected by maternal factors (P00-P04)	37	35	1	1	37	—
Gestation & fetal growth (P05-P08) .....	30	25	3	—	28	2
Intrauterine hypoxia & asphyxia (P20-P21) .....	6	2	3	1	6	—
Respiratory Distress (P22) .....	4	1	2	1	4	—
Congenital pneumonia (P23) .....	1	—	—	1	1	—
Other respiratory (P24-P28) .....	7	4	2	1	7	—
Bacterial sepsis of newborn (P36) .....	4	—	1	3	4	—
Haemorrhagic disorders of newborn (P50-P61) .....	2	—	2	—	2	—
<b>Congenital Anomalies (Q00-Q99)</b> .....	45	23	3	7	33	12
Anencephaly (Q000) .....	3	3	—	—	3	—
Malformation of the heart (Q20-Q24) .....	16	2	1	5	8	8
Down's syndrome & other chromosomal (Q90-Q99) .....	7	3	1	2	6	1
<b>Symptoms, Signs Not Elsewhere Classified (R00-R99)</b> ...	31	—	1	1	2	29
Sudden infant death syndrome (R95) .....	28	—	1	—	1	27
Other ill-defined and unspecified causes (R99) .....	3	—	—	1	1	2
<b>External Causes of Death (V01-Y89)</b> .....	13	—	—	1	1	12
Accidents (V01-X59, Y85-Y86) .....	10	—	—	1	1	9
Transport accidents (V01-V99, Y85) .....	1	—	—	—	—	1
Nontransport accidents (W00-X59, Y86) .....	9	—	—	1	1	8
Accidental suffocation/strangulation in bed (W75) .....	3	—	—	1	1	2
Exposure to smoke, fire & flames (X00-X09) .....	1	—	—	—	—	1
Assault (homicide) (X85-Y09, Y87.1) .....	1	—	—	—	—	1
Events of undetermined intent (Y10-Y34, Y87.2, Y89.9) ...	2	—	—	—	—	2
Strangulation/suffocation, undeterm intent (Y20) .....	2	—	—	—	—	2

<sup>1</sup> Infant death is the death of a child prior to its first birthday.

<sup>2</sup> Neonatal deaths occur during the first 27 days of live.

<sup>3</sup> Postneonatal deaths occur from day 28 through 364 after birth.

<sup>4</sup> Rates per 1,000 live births.

— Quantity is zero.

**TABLE 7-3. Fetal Deaths by Age of Mother and County of Residence, Oregon, 2011**

County of Residence	Total	Age of Mother								
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
Total .....	186	-	20	45	39	46	26	10	-	-
Ratio to Births <sup>1</sup> ...	4.1	-	6.4	4.6	2.9	3.9	4.6	8.1	-	-
Baker .....	1	-	-	-	1	-	-	-	-	-
Benton .....	4	-	-	-	-	2	2	-	-	-
Clackamas .....	11	-	-	4	2	2	2	1	-	-
Clatsop .....	3	-	2	-	-	1	-	-	-	-
Columbia .....	1	-	-	-	-	-	1	-	-	-
Coos .....	3	-	3	-	-	-	-	-	-	-
Crook .....	-	-	-	-	-	-	-	-	-	-
Curry .....	2	-	-	-	-	-	1	1	-	-
Deschutes .....	5	-	1	-	2	1	1	-	-	-
Douglas .....	10	-	1	7	1	-	-	1	-	-
Gilliam .....	-	-	-	-	-	-	-	-	-	-
Grant .....	-	-	-	-	-	-	-	-	-	-
Harney .....	-	-	-	-	-	-	-	-	-	-
Hood River .....	-	-	-	-	-	-	-	-	-	-
Jackson .....	10	-	2	1	4	3	-	-	-	-
Jefferson .....	1	-	-	-	1	-	-	-	-	-
Josephine .....	3	-	-	1	-	2	-	-	-	-
Klamath .....	6	-	-	4	1	-	1	-	-	-
Lake .....	-	-	-	-	-	-	-	-	-	-
Lane .....	14	-	1	4	4	3	1	1	-	-
Lincoln .....	2	-	-	-	1	1	-	-	-	-
Linn .....	7	-	-	1	3	2	1	-	-	-
Malheur .....	2	-	-	-	-	1	1	-	-	-
Marion .....	17	-	4	5	1	4	3	-	-	-
Morrow .....	1	-	1	-	-	-	-	-	-	-
Multnomah .....	26	-	3	6	6	5	3	3	-	-
Polk .....	4	-	1	2	1	-	-	-	-	-
Sherman .....	-	-	-	-	-	-	-	-	-	-
Tillamook .....	1	-	-	-	1	-	-	-	-	-
Umatilla .....	7	-	-	3	1	2	1	-	-	-
Union .....	1	-	-	1	-	-	-	-	-	-
Wallowa .....	-	-	-	-	-	-	-	-	-	-
Wasco .....	2	-	-	2	-	-	-	-	-	-
Washington .....	35	-	1	2	7	14	8	3	-	-
Wheeler .....	1	-	-	-	-	1	-	-	-	-
Yamhill .....	6	-	-	2	2	2	-	-	-	-
Unknown .....	-	-	-	-	-	-	-	-	-	-

- Quantity is zero.

<sup>1</sup> 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, 2011**

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+	N.S.
Total .....	186	-	37	31	26	34	8	39	3	8	-
<b>Perinatal conditions (P00-P96)</b> .....	157	-	32	27	19	28	7	34	2	8	-
Maternal conditions unrelated to present pregnancy (P00) .....	9	-	1	4	2	2	-	-	-	-	-
Maternal complications of pregnancy (P01) .....	13	-	10	1	-	-	1	1	-	-	-
Complications of placenta, cord and membranes (P02) .....	55	-	11	8	5	9	3	17	1	1	-
Other complications of labor and delivery (P03) .....	3	-	-	2	1	-	-	-	-	-	-
Noxious influences transmitted via placenta (P04) .....	2	-	-	-	-	2	-	-	-	-	-
Short gestation and low birth weight disorders, NEC (P07) .....	1	-	1	-	-	-	-	-	-	-	-
Fetal hemorrhage (P50-P54) .....	1	-	-	-	-	-	1	-	-	-	-
Transitory endocrine and metabolic disorders specific to fetus (P70-P74) .....	1	-	-	-	-	-	-	1	-	-	-
Other perinatal conditions (P80-P96) .....	72	-	9	12	11	15	2	15	1	7	-
Fetal death of unspecified cause (P95) .....	70	-	9	10	11	15	2	15	1	7	-
<b>Congenital malformations (Q00-Q99)</b> .....	17	-	4	1	4	5	1	1	1	-	-
Of the nervous system (Q00-Q07) .....	3	-	1	1	-	-	-	1	-	-	-
Anencephaly and similar malformations (Q00) .....	1	-	-	-	-	-	-	1	-	-	-
Of the heart (Q20-Q24) .....	3	-	3	-	-	-	-	-	-	-	-
Of the urinary system (Q60-Q64) .....	1	-	-	-	-	1	-	-	-	-	-
Other congenital malformations (Q86-Q89) .....	3	-	-	-	2	1	-	-	-	-	-
Chromosomal abnormalities, NEC (Q90-Q99) .....	7	-	-	-	2	3	1	-	1	-	-
Edward's syndrome (Q91.0-Q91.3) .....	6	-	-	-	2	2	1	-	1	-	-

- Quantity is zero.

\* Based on clinical estimate of gestation.

**TABLE 7-5. Fetal Deaths by Weeks of Gestation and Age of Mother, Oregon, 2011**

Age of Mother	Total	Weeks of Gestation*									
		<20	20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total .....	186	–	37	31	26	34	8	39	3	8	–
<15 .....	–	–	–	–	–	–	–	–	–	–	–
15-19 .....	20	–	4	6	1	6	–	3	–	–	–
20-24 .....	45	–	11	8	6	6	3	9	1	1	–
25-29 .....	39	–	5	3	7	10	2	10	–	2	–
30-34 .....	46	–	9	11	4	10	1	7	–	4	–
35-39 .....	26	–	6	3	6	2	2	7	–	–	–
40-44 .....	10	–	2	–	2	–	–	3	2	1	–
45+ .....	–	–	–	–	–	–	–	–	–	–	–
N.S. ....	–	–	–	–	–	–	–	–	–	–	–

– Quantity is zero.

\* Based on clinical estimate of gestation.

**TABLE 7-6. Births by Weeks of Gestation and Weight, Oregon Residents, 2010**

Birthweight (In Grams)	Total	Weeks of Gestation*									
		<20	20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total .....	45,596	8	52	150	328	1,620	1,448	24,616	12,060	5,284	30
349 and less .....	18	6	10	–	1	–	–	–	–	–	1
350-499 .....	24	–	22	2	–	–	–	–	–	–	–
<500 .....	42	6	32	2	1	–	–	–	–	–	1
500-749 .....	85	–	19	54	11	–	–	–	–	–	1
750-999 .....	99	1	1	66	27	2	–	1	1	–	–
1000-1249 .....	111	–	–	24	67	16	–	3	1	–	–
1250-1499 .....	143	–	–	3	93	40	4	2	1	–	–
1500-1999 .....	548	1	–	1	111	347	42	46	–	–	–
2000-2499 .....	1,845	–	–	–	16	681	312	778	49	9	–
<2500 .....	2,873	8	52	150	326	1,086	358	830	52	9	2
2500-2999 .....	6,998	–	–	–	1	415	658	4,752	940	224	8
3000-3499 .....	17,061	–	–	–	–	94	343	10,490	4,561	1,568	5
3500-3999 .....	13,935	–	–	–	1	16	67	6,751	4,791	2,301	8
4000-4499 .....	4,015	–	–	–	–	7	17	1,521	1,495	973	2
4500+ .....	706	–	–	–	–	2	5	271	220	208	–
Unknown .....	8	–	–	–	–	–	–	1	1	1	5

– Quantity is zero.

\* Based on clinical estimate of gestation.

**TABLE 7-7. Fetal Deaths by Weeks of Gestation and Weight, Oregon Residents, 2010**

Birthweight (In Grams)	Total	Weeks of Gestation*									
		<20	20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total .....	181	1	42	28	22	28	14	31	7	7	1
349 and less .....	—	—	—	—	—	—	—	—	—	—	—
350-499 .....	33	1	29	2	1	—	—	—	—	—	—
<500 .....	33	1	29	2	1	—	—	—	—	—	—
500-749 .....	29	—	13	13	3	—	—	—	—	—	—
750-999 .....	14	—	—	8	4	2	—	—	—	—	—
1000-1249 .....	8	—	—	3	4	1	—	—	—	—	—
1250-1499 .....	11	—	—	1	4	4	1	—	—	—	1
1500-1999 .....	24	—	—	1	6	11	3	2	1	—	—
2000-2499 .....	16	—	—	—	—	7	4	4	1	—	—
<2500 .....	135	1	42	28	22	25	8	6	2	—	1
2500-2999 .....	16	—	—	—	—	1	4	9	1	1	—
3000-3499 .....	16	—	—	—	—	1	1	9	3	2	—
3500-3999 .....	7	—	—	—	—	—	1	4	1	1	—
4000-4499 .....	3	—	—	—	—	—	—	1	—	2	—
4500+ .....	4	—	—	—	—	1	—	2	—	1	—
Unknown .....	—	—	—	—	—	—	—	—	—	—	—

— Quantity is zero.

\* Based on clinical estimate of gestation.



**TABLE 7-8. Early Neonatal Deaths<sup>1</sup> by Weeks of Gestation and Weight  
Oregon Residents, Birth Cohort 2010**

Birthweight (In Grams)	Total	Weeks of Gestation									
		<20	20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total <sup>2</sup> .....	121	6	50	17	10	10	8	12	1	4	3
001-349 .....	18	6	10	–	1	–	–	–	–	–	1
350-499 .....	22	–	22	–	–	–	–	–	–	–	–
<500 .....	40	6	32	–	1	–	–	–	–	–	1
500-749 .....	29	–	17	11	–	–	–	–	–	–	1
750-999 .....	7	–	1	5	1	–	–	–	–	–	–
1000-1249 .....	7	–	–	1	4	2	–	–	–	–	–
1250-1499 .....	1	–	–	–	–	–	1	–	–	–	–
1500-1999 .....	13	–	–	–	4	5	3	1	–	–	–
2000-2499 .....	6	–	–	–	–	2	1	3	–	–	–
<2500 .....	103	6	50	17	10	9	5	4	–	–	2
2500+ .....	17	–	–	–	–	1	3	8	1	4	–
2500-2999 .....	4	–	–	–	–	–	1	3	–	–	–
3000-3499 .....	7	–	–	–	–	1	2	1	1	2	–
3500-3999 .....	6	–	–	–	–	–	–	4	–	2	–
4000-4499 .....	–	–	–	–	–	–	–	–	–	–	–
4500+ .....	–	–	–	–	–	–	–	–	–	–	–

<sup>1</sup> Early neonatal deaths occur through day 6 after birth.

<sup>2</sup> Includes unknown weight.

– Quantity is zero.

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<sup>1</sup> by Weeks of Gestation and Weight  
Oregon Residents, Birth Cohort 2010**

Birthweight (In Grams)	Total	Weeks of Gestation									
		<20	20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total <sup>2</sup> .....	34	–	1	10	–	2	2	17	2	–	–
001-349 .....	–	–	–	–	–	–	–	–	–	–	–
350-499 .....	1	–	–	1	–	–	–	–	–	–	–
<500 .....	1	–	–	1	–	–	–	–	–	–	–
500-749 .....	6	–	1	5	–	–	–	–	–	–	–
750-999 .....	4	–	–	4	–	–	–	–	–	–	–
1000-1249 .....	–	–	–	–	–	–	–	–	–	–	–
1250-1499 .....	–	–	–	–	–	–	–	–	–	–	–
1500-1999 .....	–	–	–	–	–	–	–	–	–	–	–
2000-2499 .....	5	–	–	–	–	1	1	3	–	–	–
<2500 .....	16	–	1	10	–	1	1	3	–	–	–
2500+ .....	18	–	–	–	–	1	1	14	2	–	–
2500-2999 .....	10	–	–	–	–	1	1	8	–	–	–
3000-3499 .....	3	–	–	–	–	–	–	3	–	–	–
3500-3999 .....	5	–	–	–	–	–	–	3	2	–	–
4000-4499 .....	–	–	–	–	–	–	–	–	–	–	–
4500+ .....	–	–	–	–	–	–	–	–	–	–	–

<sup>1</sup> Late neonatal deaths occur from day 7 through 27 after birth.

<sup>2</sup> Includes unknown weight.

– Quantity is zero.

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 7-10. Postneonatal Deaths<sup>1</sup> by Weeks of Gestation and Weight  
Oregon Residents, Birth Cohort 2010**

Birthweight (In Grams)	Total	Weeks of Gestation									
		<20	20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total <sup>2</sup> .....	67	–	1	5	4	5	7	31	8	6	–
001-349 .....	–	–	–	–	–	–	–	–	–	–	–
350-499 .....	–	–	–	–	–	–	–	–	–	–	–
<500 .....	–	–	–	–	–	–	–	–	–	–	–
500-749 .....	6	–	1	4	1	–	–	–	–	–	–
750-999 .....	–	–	–	–	–	–	–	–	–	–	–
1000-1249 .....	2	–	–	–	1	1	–	–	–	–	–
1250-1499 .....	2	–	–	1	1	–	–	–	–	–	–
1500-1999 .....	5	–	–	–	1	3	1	–	–	–	–
2000-2499 .....	6	–	–	–	–	–	2	4	–	–	–
<2500 .....	21	–	1	5	4	4	3	4	–	–	–
2500+ .....	46	–	–	–	–	1	4	27	8	6	–
2500-2999 .....	12	–	–	–	–	–	3	5	3	1	–
3000-3499 .....	22	–	–	–	–	1	–	17	3	1	–
3500-3999 .....	8	–	–	–	–	–	1	4	–	3	–
4000-4499 .....	4	–	–	–	–	–	–	1	2	1	–
4500+ .....	–	–	–	–	–	–	–	–	–	–	–

<sup>1</sup> Postneonatal deaths occur from day 28 through 364 after birth.

<sup>2</sup> Includes unknown weight.

– Quantity is zero.

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 7-11. Neonatal Deaths by Birthweight, Oregon Residents, Birth Cohort 2010**

Birthweight (In Grams)	Deaths	Rate <sup>1</sup>
Total <sup>2</sup> .....	155	3.4
001-349 .....	18	1000.0
350-499 .....	23	958.3
<500 .....	41	976.2
500-749 .....	35	411.8
750-999 .....	11	111.1
1000-1249 .....	7	63.1
1250-1499 .....	1	*
1500-1999 .....	13	23.7
2000-2499 .....	11	6.0
<2500 .....	119	41.4
2500+ .....	35	0.8
2500-2999 .....	14	2.0
3000-3499 .....	10	0.6
3500-3999 .....	11	0.8
4000-4499 .....	—	—
4500+ .....	—	—

<sup>1</sup> Rate per 1,000 live births.

<sup>2</sup> Includes unknown weight.

\* Rates are not calculated when there are fewer than 5 deaths in a category.

— Quantity is zero.

**TABLE 7-12. Neonatal Deaths by Birthweight, Oregon Residents, Birth Cohort 2008-2010**

Birthweight (In Grams)	Deaths	Rate <sup>1</sup>
Total <sup>2</sup> .....	467	3.3
001-349 .....	62	984.1
350-499 .....	60	923.1
<500 .....	122	953.1
500-749 .....	112	439.2
750-999 .....	27	100.0
1000-1249 .....	17	45.7
1250-1499 .....	16	35.6
1500-1999 .....	38	22.8
2000-2499 .....	31	5.5
<2500 .....	363	41.1
2500+ .....	97	0.7
2500-2999 .....	37	1.7
3000-3499 .....	31	0.6
3500-3999 .....	24	0.6
4000-4499 .....	5	0.4
4500+ .....	—	—

<sup>1</sup> Rate per 1,000 live births.

<sup>2</sup> Includes unknown weight.

\* Rates are not calculated when there are fewer than 5 deaths in a category.

— Quantity is zero.

**TABLE 7-13. Perinatal Death Rates by County of Residence,  
Oregon Residents, Birth Cohort 2010**

County of Residence	Perinatal I <sup>1</sup>			Perinatal II <sup>2</sup>			Neonatal <sup>3</sup>	
	No.	Rate	Ratio	No.	Rate	Ratio	No.	Rate
Total <sup>4</sup> .....	231	5.1	5.1	335	7.3	7.3	155	3.4
Baker .....	—	—	—	—	—	—	—	—
Benton .....	1	*	*	3	*	*	1	*
Clackamas .....	15	3.9	3.9	17	4.4	4.4	9	2.3
Clatsop .....	4	*	*	7	16.8	16.9	3	*
Columbia .....	1	*	*	2	*	*	—	—
Coos .....	4	*	*	7	10.6	10.7	2	*
Crook .....	2	*	*	2	*	*	1	*
Curry .....	—	—	—	—	—	—	—	—
Deschutes .....	3	*	*	6	3.5	3.5	4	*
Douglas .....	3	*	*	6	5.7	5.7	1	*
Gilliam .....	—	—	—	1	*	*	—	—
Grant .....	1	*	*	1	*	*	—	—
Harney .....	—	—	—	—	—	—	—	—
Hood River .....	3	*	*	4	*	*	1	*
Jackson .....	11	4.7	4.7	12	5.1	5.1	5	2.1
Jefferson .....	1	*	*	1	*	*	—	—
Josephine .....	4	*	*	5	6.3	6.3	2	*
Klamath .....	4	*	*	6	7.4	7.5	3	*
Lake .....	—	—	—	—	—	—	—	—
Lane .....	11	3.1	3.1	20	5.7	5.7	7	2.0
Lincoln .....	2	*	*	6	13.4	13.5	—	—
Linn .....	8	5.5	5.5	13	8.9	8.9	8	5.5
Malheur .....	2	*	*	2	*	*	1	*
Marion .....	35	7.6	7.6	48	10.4	10.4	29	6.3
Morrow .....	1	*	*	1	*	*	—	—
Multnomah .....	65	6.7	6.8	88	9.1	9.2	40	4.2
Polk .....	7	7.7	7.7	8	8.8	8.8	5	5.5
Sherman .....	—	—	—	—	—	—	—	—
Tillamook .....	1	*	*	2	*	*	1	*
Umatilla .....	6	5.4	5.4	11	9.9	9.9	2	*
Union .....	1	*	*	1	*	*	—	—
Wallowa .....	—	—	—	—	—	—	—	—
Wasco .....	1	*	*	2	*	*	2	*
Washington .....	32	4.5	4.5	48	6.7	6.7	26	3.7
Wheeler .....	—	—	—	—	—	—	—	—
Yamhill .....	2	*	*	5	4.4	4.4	2	*

<sup>1</sup> Perinatal Definition I includes fetal deaths at 28 weeks of gestation or more and infant deaths of less than 7 days.

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

<sup>3</sup> Neonatal deaths include infant deaths of less than 28 days.

<sup>4</sup> Includes unknown county of residence.

\* Rates are not calculated when there are fewer than 5 deaths in a category.

— Quantity is zero.

NOTE: 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 2008-2010**

County of Residence	Perinatal I <sup>1</sup>			Perinatal II <sup>2</sup>			Neonatal <sup>3</sup>	
	No.	Rate	Ratio	No.	Rate	Ratio	No.	Rate
Total <sup>4</sup> .....	749	5.3	5.3	1,066	7.5	7.5	467	3.3
Baker .....	3	*	*	3	*	*	3	*
Benton .....	10	4.4	4.5	15	6.6	6.7	4	*
Clackamas .....	53	4.3	4.4	72	5.9	5.9	32	2.6
Clatsop .....	10	7.9	7.9	14	11.0	11.1	7	5.5
Columbia .....	12	7.6	7.6	18	11.3	11.4	4	*
Coos .....	10	5.2	5.2	15	7.7	7.8	3	*
Crook .....	4	*	*	5	7.8	7.8	1	*
Curry .....	1	*	*	2	*	*	1	*
Deschutes .....	20	3.6	3.7	30	5.5	5.5	15	2.7
Douglas .....	17	5.2	5.2	27	8.2	8.3	8	2.4
Gilliam .....	—	—	—	1	*	*	—	—
Grant .....	3	*	*	4	*	*	1	*
Harney .....	—	—	—	—	—	—	—	—
Hood River .....	9	10.4	10.5	12	13.9	14.0	2	*
Jackson .....	31	4.3	4.3	43	6.0	6.0	15	2.1
Jefferson .....	5	5.0	5.1	10	10.0	10.1	3	*
Josephine .....	18	7.2	7.2	20	8.0	8.0	13	5.2
Klamath .....	15	6.1	6.2	20	8.2	8.2	14	5.7
Lake .....	1	*	*	1	*	*	—	—
Lane .....	54	5.0	5.0	74	6.8	6.8	34	3.1
Lincoln .....	9	6.5	6.5	14	10.0	10.1	4	*
Linn .....	25	5.7	5.7	35	8.0	8.0	21	4.8
Malheur .....	5	3.4	3.4	8	5.4	5.4	1	*
Marion .....	90	6.3	6.3	124	8.7	8.7	70	4.9
Morrow .....	1	*	*	1	*	*	—	—
Multnomah .....	177	5.9	5.9	260	8.7	8.7	104	3.5
Polk .....	10	3.6	3.6	15	5.4	5.4	8	2.9
Sherman .....	—	—	—	—	—	—	—	—
Tillamook .....	6	7.7	7.7	9	11.6	11.6	5	6.5
Umatilla .....	16	4.9	5.0	28	8.6	8.7	7	2.2
Union .....	5	5.4	5.4	7	7.5	7.6	3	*
Wallowa .....	2	*	*	2	*	*	2	*
Wasco .....	4	*	*	7	7.8	7.8	4	*
Washington .....	100	4.4	4.4	141	6.2	6.2	66	2.9
Wheeler .....	1	*	*	2	*	*	—	—
Yamhill .....	20	5.5	5.5	25	6.8	6.9	10	2.7

<sup>1</sup> Perinatal Definition I includes fetal deaths at 28 weeks of gestation or more and infant deaths of less than 7 days.

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

<sup>3</sup> Neonatal deaths include infant deaths of less than 28 days.

<sup>4</sup> Includes unknown county of residence.

\* Rates are not calculated when there are fewer than 5 deaths in a category.

— Quantity is zero.

NOTE: 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 2010**

Risk Factors	Perinatal I <sup>1</sup>			Perinatal II <sup>2</sup>			Neonatal <sup>3</sup>	
	No.	Rate	Ratio	No.	Rate	Ratio	No.	Rate
<b>Total<sup>4</sup></b> .....	231	5.1	5.1	335	7.3	7.3	155	3.4
<b>Marital Status</b>								
Married .....	134	4.6	4.6	185	6.3	6.3	87	3.0
Unmarried .....	96	5.9	5.9	149	9.2	9.2	67	4.1
<b>Age of Mother</b>								
10-14 .....	—	—	—	—	—	—	—	—
15-19 .....	23	6.5	6.6	36	10.2	10.3	18	5.1
20-24 .....	50	4.8	4.8	69	6.7	6.7	33	3.2
25-29 .....	66	4.9	4.9	94	7.0	7.0	49	3.7
30-34 .....	48	4.2	4.2	73	6.3	6.4	31	2.7
35-39 .....	40	7.1	7.2	54	9.6	9.7	19	3.4
40-44 .....	3	*	*	6	5.0	5.0	3	*
45+ .....	—	—	—	2	*	*	1	*
<b>Non-Hispanic Race</b>								
White .....	141	4.5	4.6	200	6.4	6.5	89	2.9
Black .....	11	11.6	11.6	15	15.7	15.9	8	8.5
American Indian .....	2	*	*	2	*	*	—	—
Asian <sup>5</sup> .....	13	6.2	6.2	22	10.5	10.6	13	6.2
Pacific Islander <sup>6</sup> .....	8	23.5	23.9	13	37.9	38.8	5	14.9
Other & Unknown .....	4	*	*	5	29.9	30.3	3	*
Two or more races .....	3	*	*	6	4.4	4.4	5	3.7
<b>Total Hispanic</b> .....	49	5.3	5.3	72	7.8	7.8	32	3.5
<b>Education</b>								
8th Grade or Less .....	10	4.2	4.2	22	9.1	9.2	9	3.7
Some High School .....	42	6.8	6.8	57	9.2	9.2	27	4.4
HS Diploma/GED .....	54	5.1	5.1	82	7.7	7.8	36	3.4
More than HS .....	107	4.1	4.1	144	5.5	5.5	78	3.0
<b>Start of Prenatal Care</b>								
Any trimester .....	195	4.5	4.5	279	6.4	6.4	130	3.0
1st trimester .....	138	4.2	4.2	202	6.1	6.1	97	2.9
2nd trimester .....	47	5.3	5.3	65	7.3	7.4	28	3.2
3rd trimester .....	10	6.3	6.3	12	7.5	7.5	5	3.1
No prenatal care .....	16	55.2	56.3	23	77.4	81.0	9	31.7
<b>Tobacco Use</b>								
Pre-pregnancy only .....	2	*	*	4	*	*	3	*
During pregnancy .....	28	5.5	5.5	48	9.4	9.4	24	4.7
No tobacco use .....	192	4.9	4.9	274	7.0	7.0	120	3.1
<b>Multiple Birth</b>								
Yes .....	29	18.8	18.8	34	22.0	22.1	27	17.5
No .....	202	4.6	4.6	301	6.8	6.8	128	2.9

<sup>1</sup> Perinatal Definition I includes fetal deaths at 28 weeks of gestation or more and infant deaths of less than 7 days.

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

<sup>3</sup> Neonatal deaths include infant deaths of less than 28 days.

<sup>4</sup> Due to unreported items, the sum of all categories may not equal the total.

<sup>5</sup> Includes Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese and other Asian.

<sup>6</sup> Includes Guamanian, Hawaiian, Samoan and other Pacific Islander.

\* Rates are not calculated when there are fewer than 5 deaths in a category.

— Quantity is zero.

NOTE: 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 2008-2010**

Risk Factors	Perinatal I <sup>1</sup>			Perinatal II <sup>2</sup>			Neonatal <sup>3</sup>	
	No.	Rate	Ratio	No.	Rate	Ratio	No.	Rate
<b>Total<sup>4</sup></b> .....	749	5.3	5.3	1,066	7.5	7.5	467	3.3
<b>Marital Status</b>								
Married .....	438	4.8	4.8	602	6.6	6.6	264	2.9
Unmarried .....	306	6.0	6.1	456	9.0	9.0	197	3.9
<b>Age of Mother</b>								
10-14 .....	—	—	—	—	—	—	—	—
15-19 .....	89	7.4	7.4	131	10.8	10.9	56	4.6
20-24 .....	181	5.4	5.5	247	7.4	7.4	105	3.2
25-29 .....	191	4.6	4.6	267	6.4	6.4	130	3.1
30-34 .....	158	4.6	4.6	242	7.0	7.0	100	2.9
35-39 .....	99	5.9	5.9	138	8.2	8.2	54	3.2
40-44 .....	25	7.2	7.2	33	9.5	9.5	16	4.6
45+ .....	3	*	*	5	20.6	20.7	3	*
<b>Non-Hispanic Race</b>								
White .....	490	5.1	5.1	681	7.0	7.1	307	3.2
Black .....	31	10.5	10.5	43	14.5	14.6	20	6.8
American Indian .....	4	*	*	5	2.7	2.7	2	*
Asian <sup>5</sup> .....	29	4.5	4.5	49	7.6	7.7	20	3.1
Pacific Islander <sup>6</sup> .....	16	16.5	16.6	24	24.6	25.0	8	8.3
Other & Unknown .....	10	23.2	23.5	16	36.6	37.6	5	11.7
Two or more races .....	12	3.2	3.2	21	5.7	5.7	13	3.5
<b>Total Hispanic</b> .....	157	5.3	5.4	227	7.7	7.7	92	3.1
<b>Education</b>								
8th Grade or Less .....	47	5.9	6.0	68	8.6	8.6	31	3.9
Some High School .....	121	5.9	6.0	170	8.3	8.4	73	3.6
HS Diploma/GED .....	197	5.8	5.8	289	8.4	8.5	117	3.4
More than HS .....	328	4.2	4.2	447	5.7	5.7	232	2.9
<b>Start of Prenatal Care</b>								
Any trimester .....	628	4.7	4.7	888	6.6	6.7	376	2.8
1st trimester .....	447	4.5	4.5	645	6.4	6.5	272	2.7
2nd trimester .....	152	5.3	5.3	208	7.3	7.3	92	3.2
3rd trimester .....	29	5.4	5.4	35	6.5	6.6	12	2.3
No prenatal care .....	53	44.6	45.3	76	62.9	65.0	35	29.9
<b>Tobacco Use</b>								
Pre-pregnancy only .....	12	4.0	4.0	19	6.4	6.4	5	1.7
During pregnancy .....	98	6.1	6.1	160	9.9	10.0	71	4.4
No tobacco use .....	615	5.1	5.1	862	7.1	7.1	368	3.0
<b>Multiple Birth</b>								
Yes .....	84	18.2	18.3	114	24.7	24.8	83	18.1
No .....	664	4.8	4.8	950	6.9	6.9	383	2.8

<sup>1</sup> Perinatal Definition I includes fetal deaths at 28 weeks of gestation or more and infant deaths of less than 7 days.

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

<sup>3</sup> Neonatal deaths include infant deaths of less than 28 days.

<sup>4</sup> Due to unreported items, the sum of all categories may not equal the total.

<sup>5</sup> Includes Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese and other Asian.

<sup>6</sup> Includes Guamanian, Hawaiian, Samoan and other Pacific Islander.

\* Rates are not calculated when there are fewer than 5 deaths in a category.

— Quantity is zero.

NOTE: 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 2010**

Risk Factors	Neonatal <sup>1</sup>		Postneonatal <sup>2</sup>		Infant <sup>3</sup>	
	No.	Rate	No.	Rate	No.	Rate
<b>Total<sup>4</sup></b> .....	155	3.4	67	1.5	222	4.9
<b>Marital Status</b>						
Married .....	87	3.0	28	1.0	115	3.9
Unmarried .....	67	4.1	39	2.4	106	6.6
<b>Age of Mother</b>						
10-14 .....	—	—	1	*	1	*
15-19 .....	18	5.1	6	1.7	24	6.8
20-24 .....	33	3.2	23	2.2	56	5.4
25-29 .....	49	3.7	17	1.3	66	4.9
30-34 .....	31	2.7	13	1.1	44	3.8
35-39 .....	19	3.4	6	1.1	25	4.5
40-44 .....	3	*	1	*	4	*
45+ .....	1	*	—	—	1	*
<b>Non-Hispanic Race</b>						
White .....	89	2.9	43	1.4	132	4.3
Black .....	8	8.5	2	*	10	10.6
American Indian .....	—	—	3	*	3	*
Asian <sup>5</sup> .....	13	6.2	2	*	15	7.2
Pacific Islander <sup>6</sup> .....	5	14.9	—	—	5	14.9
Other & Unknown .....	3	*	—	—	3	*
Two or more races .....	5	3.7	4	*	9	6.6
<b>Total Hispanic</b> .....	32	3.5	13	1.4	45	4.9
<b>Education</b>						
8th Grade or Less .....	9	3.7	5	2.1	14	5.8
Some High School .....	27	4.4	16	2.6	43	6.9
HS Diploma/GED .....	36	3.4	17	1.6	53	5.0
More than HS .....	78	3.0	28	1.1	106	4.0
<b>Start of Prenatal Care</b>						
Any trimester .....	130	3.0	57	1.3	187	4.3
1st trimester .....	97	2.9	38	1.2	135	4.1
2nd trimester .....	28	3.2	13	1.5	41	4.6
3rd trimester .....	5	3.1	6	3.8	11	6.9
No prenatal care .....	9	31.7	3	*	12	42.3
<b>Tobacco Use</b>						
Pre-pregnancy only .....	3	*	2	*	5	5.4
During pregnancy .....	24	4.7	21	4.1	45	8.9
No tobacco use .....	120	3.1	43	1.1	163	4.2
<b>Multiple Birth</b>						
Yes .....	27	17.5	8	5.2	35	22.7
No .....	128	2.9	59	1.3	187	4.2

<sup>1</sup> Neonatal deaths include infant deaths of less than 28 days.

<sup>2</sup> Postneonatal deaths occur from day 28 through 364 after birth.

<sup>3</sup> Infant death is the death of a child prior to its first birthday.

<sup>4</sup> Due to unreported items, the sum of all categories may not equal the total.

<sup>5</sup> Includes Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese and other Asian.

<sup>6</sup> Includes Guamanian, Hawaiian, Samoan and other Pacific Islander.

\* Rates are not calculated when there are fewer than 5 deaths in a category.

— Quantity is zero.

NOTE: All rates per 1,000 live births.

**TABLE 7-18. Neonatal, Postneonatal, and Infant Death Rates by Mother's Risk Factors, Oregon Residents, Birth Cohort 2008-2010**

Risk Factors	Neonatal <sup>1</sup>		Postneonatal <sup>2</sup>		Infant <sup>3</sup>	
	No.	Rate	No.	Rate	No.	Rate
<b>Total<sup>4</sup></b> .....	467	3.3	227	1.6	694	4.9
<b>Marital Status</b>						
Married .....	264	2.9	99	1.1	363	4.0
Unmarried .....	197	3.9	128	2.5	325	6.4
<b>Age of Mother</b>						
10-14 .....	—	—	1	*	1	*
15-19 .....	56	4.6	38	3.2	94	7.8
20-24 .....	105	3.2	76	2.3	181	5.5
25-29 .....	130	3.1	54	1.3	184	4.4
30-34 .....	100	2.9	39	1.1	139	4.0
35-39 .....	54	3.2	17	1.0	71	4.2
40-44 .....	16	4.6	2	*	18	5.2
45+ .....	3	*	—	—	3	*
<b>Non-Hispanic Race</b>						
White .....	307	3.2	150	1.6	457	4.7
Black .....	20	6.8	8	2.7	28	9.5
American Indian .....	2	*	10	5.5	12	6.6
Asian <sup>5</sup> .....	20	3.1	8	1.3	28	4.4
Pacific Islander <sup>6</sup> .....	8	8.3	3	*	11	11.4
Other & Unknown .....	5	11.7	—	—	5	11.7
Two or more races .....	13	3.5	9	2.4	22	5.9
<b>Total Hispanic</b> .....	92	3.1	39	1.3	131	4.5
<b>Education</b>						
8th Grade or Less .....	31	3.9	12	1.5	43	5.5
Some High School .....	73	3.6	54	2.7	127	6.2
HS Diploma/GED .....	117	3.4	71	2.1	188	5.5
More than HS .....	232	2.9	89	1.1	321	4.1
<b>Start of Prenatal Care</b>						
Any trimester .....	376	2.8	200	1.5	576	4.3
1st trimester .....	272	2.7	116	1.2	388	3.9
2nd trimester .....	92	3.2	65	2.3	157	5.5
3rd trimester .....	12	2.3	19	3.6	31	5.8
No prenatal care .....	35	29.9	8	6.8	43	36.8
<b>Tobacco Use</b>						
Pre-pregnancy only .....	5	1.7	5	1.7	10	3.4
During pregnancy .....	71	4.4	60	3.7	131	8.2
No tobacco use .....	368	3.0	161	1.3	529	4.4
<b>Multiple Birth</b>						
Yes .....	83	18.1	22	4.8	105	22.9
No .....	383	2.8	205	1.5	588	4.3

<sup>1</sup> Neonatal deaths include infant deaths of less than 28 days.

<sup>2</sup> Postneonatal deaths occur from day 28 through 364 after birth.

<sup>3</sup> Infant death is the death of a child prior to its first birthday.

<sup>4</sup> Due to unreported items, the sum of all categories may not equal the total.

<sup>5</sup> Includes Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese and other Asian.

<sup>6</sup> Includes Guamanian, Hawaiian, Samoan and other Pacific Islander.

\* Rates are not calculated when there are fewer than 5 deaths in a category.

— Quantity is zero.

NOTE: All rates per 1,000 live births.

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## APPENDIX A: POPULATION

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# Appendix A: Population

**Table A-1. Population Distribution by Age and Sex, Oregon, 1950, 1960, 1970, 1975, 1980, 1985, 1990, 1995-2011**

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	31,073	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
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	116,490	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

Table A-1. Population Distribution by Age and Sex, Oregon, 1950, 1960, 1970, 1975, 1980, 1985, 1990, 1995-2011

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+
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
2005	3,631,440	229,032	236,192	250,112	249,350	253,754	245,350	248,459	249,423	262,187	274,531	272,164	235,442	169,464	125,289	101,495	229,196
M	1,807,404	117,748	120,728	127,493	128,096	129,672	125,950	128,454	128,645	132,066	135,398	134,414	116,816	83,126	60,576	47,018	90,754
F	1,824,036	111,284	115,464	122,169	121,254	124,082	119,400	120,005	120,778	130,121	139,133	137,750	118,626	86,338	64,713	54,477	138,442
2006	3,690,505	230,910	237,216	252,504	251,425	259,704	248,533	251,540	248,957	261,231	276,019	280,822	251,186	178,919	128,422	100,797	232,320
M	1,838,346	118,827	121,169	129,072	129,146	132,669	127,362	130,125	128,969	132,069	135,957	138,459	124,789	87,809	62,397	46,886	92,642
F	1,852,159	112,084	116,047	123,433	122,279	127,035	121,171	121,415	119,988	129,162	140,062	142,363	126,397	91,109	66,025	53,911	139,678
2007	3,745,455	232,408	237,817	254,456	253,175	265,424	251,381	254,219	248,087	259,811	277,016	289,200	267,475	188,546	131,380	99,909	235,153
M	1,867,339	119,709	121,393	129,971	130,012	135,559	128,602	131,594	129,094	131,850	136,279	142,355	133,053	92,583	64,148	46,667	94,469
F	1,878,116	112,699	116,424	124,485	123,163	129,865	122,779	122,625	118,993	127,961	140,737	146,845	134,422	95,963	67,231	53,242	140,683
2008	3,791,075	234,168	242,401	253,790	256,673	259,359	262,454	258,656	259,537	260,859	272,087	277,102	259,397	206,048	147,484	109,384	231,675
M	1,890,189	120,054	124,243	129,545	131,583	132,637	134,635	133,035	134,056	133,088	135,603	136,260	128,042	101,457	71,392	51,441	93,120
F	1,900,886	114,115	118,158	124,246	125,090	126,722	127,819	125,621	125,482	127,771	136,485	140,842	131,355	104,591	76,092	57,943	138,555
2009	3,823,465	234,555	243,024	253,412	257,141	258,627	265,937	259,627	260,379	257,872	268,503	275,905	265,073	217,588	157,370	113,323	235,131
M	1,907,023	120,139	124,680	129,257	128,721	132,292	136,416	133,315	134,572	132,163	134,323	135,497	130,628	107,279	76,204	53,551	94,988
F	1,916,442	114,416	118,344	124,155	125,420	126,335	129,521	126,312	125,806	125,709	134,180	140,408	134,445	110,309	81,166	59,771	140,143
2010	3,823,465	234,264	242,941	252,279	256,921	257,279	268,905	260,018	260,600	254,360	264,346	274,059	270,212	229,225	166,234	116,226	236,327
M	1,907,023	119,877	124,756	128,586	131,503	131,630	137,945	133,304	134,776	130,976	132,766	134,433	132,948	113,164	80,525	55,185	95,963
F	1,907,023	114,387	118,185	123,693	125,418	125,649	130,960	126,715	125,824	123,384	131,580	139,625	137,264	116,060	85,709	61,041	140,364

**Table A-1. Population Distribution by Age and Sex, Oregon, 1950, 1960, 1970, 1975, 1980, 1985, 1990, 1995-2011**

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+
2011	3,857,625	237,996	236,267	242,121	253,963	253,352	266,455	261,862	255,011	250,951	261,846	272,797	272,104	240,710	177,377	127,550	247,263
M	1,908,309	122,060	120,597	123,953	130,156	128,563	134,328	132,353	129,384	126,798	130,250	133,614	132,212	117,136	85,390	60,582	100,934
F	1,949,316	115,936	115,670	118,168	123,807	124,789	132,127	129,509	125,627	124,153	131,596	139,183	139,892	123,574	91,988	66,968	146,330

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, 2011

County	All Ages	Total Population (Both Sexes)																		
		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	3,823,465	237,996	236,267	242,121	150,014	103,949	253,352	266,455	261,862	255,011	250,951	261,846	272,737	272,104	240,710	177,377	127,550	95,169	74,156	77,938
BAKER	16,215	866	837	912	681	304	665	788	758	796	900	1,088	1,255	1,379	1,349	1,160	927	648	480	442
BENTON	85,985	3,700	4,031	4,420	3,183	5,593	13,745	6,046	4,643	4,297	4,376	6,047	5,563	5,810	4,838	3,410	2,375	1,813	1,476	1,639
CLACKAMAS	378,480	21,417	23,934	26,636	16,637	9,195	19,867	21,072	22,208	24,056	26,172	28,998	30,141	29,275	25,319	17,966	12,071	8,710	6,835	7,971
CLATSOP	37,145	2,096	2,022	2,112	1,387	971	2,252	2,166	2,089	2,077	2,093	2,550	2,801	3,231	2,910	2,196	1,479	1,081	844	791
COLUMBIA	49,625	2,784	3,083	3,541	2,158	1,141	2,376	2,431	3,012	3,119	3,524	3,723	4,079	3,945	3,540	2,590	1,687	1,244	883	828
COOS	62,980	3,296	3,180	3,288	2,252	1,494	3,148	3,261	3,264	3,118	3,307	4,183	4,941	5,302	5,135	4,307	3,489	2,544	1,845	1,604
CROOK	20,855	1,105	1,215	1,358	817	383	889	941	1,140	1,118	1,168	1,401	1,595	1,639	1,750	1,510	1,117	741	517	471
CURRY	22,335	848	870	1,034	720	357	796	893	817	949	1,057	1,454	1,766	2,079	2,304	2,029	1,651	1,114	831	766
DESCHUTES	158,875	9,703	10,055	10,381	6,175	3,470	8,276	9,869	10,159	10,733	10,769	11,075	11,548	11,454	10,930	8,361	5,940	4,029	3,017	2,931
DOUGLAS	107,795	5,851	5,736	6,303	4,242	2,472	5,462	5,306	5,553	5,460	5,921	7,031	8,200	8,693	8,509	7,032	5,663	4,376	3,144	3,041
GILLIAM	1,880	97	81	99	73	26	61	73	97	143	106	143	173	177	161	130	101	69	58	74
GRANT	7,450	334	351	434	279	130	266	307	334	368	369	490	582	686	671	589	448	342	222	247
HARNEY	7,375	401	435	452	344	173	308	355	401	388	398	510	591	602	583	479	352	275	167	170
HOOD RIVER	22,625	1,486	1,632	1,686	1,012	549	1,177	1,360	1,442	1,496	1,650	1,705	1,737	1,604	1,185	879	593	539	409	483
JACKSON	203,950	12,034	11,648	12,577	7,974	5,097	12,074	11,900	11,694	11,438	11,994	13,494	14,818	15,959	14,671	11,369	8,382	6,379	5,207	5,431
JEFFERSON	21,845	1,405	1,534	1,534	977	529	1,205	1,239	1,201	1,291	1,401	1,559	1,486	1,525	1,506	1,220	941	596	404	283
JOSEPHINE	82,820	4,212	4,366	4,956	3,233	1,815	3,844	3,874	4,087	4,096	4,463	5,382	6,153	6,523	6,333	5,737	4,499	3,412	2,566	2,667
KLAMATH	66,580	3,896	3,899	4,158	2,707	1,818	4,213	3,635	3,547	3,760	3,888	4,454	4,740	5,179	4,846	3,845	2,882	2,226	1,487	1,310
LAKE	7,885	363	368	422	343	115	316	354	409	441	522	569	662	676	668	564	401	320	200	170
LANE	353,155	18,178	18,495	19,941	13,116	12,362	31,178	24,319	22,254	20,494	20,747	22,624	24,732	26,356	23,538	17,297	12,674	9,278	7,623	7,948
LINCOLN	46,155	2,277	2,073	2,167	1,480	872	2,052	2,266	2,332	2,245	2,405	2,986	3,739	4,436	4,446	3,531	2,609	1,834	1,269	1,118
LINN	117,340	7,713	7,650	8,061	4,798	2,983	6,834	7,298	7,160	7,257	7,052	7,916	8,228	8,417	7,492	5,946	4,399	3,209	2,487	2,439
MALHEUR	31,445	2,316	2,183	2,173	1,324	948	2,104	2,096	2,047	1,940	1,919	1,983	1,985	1,929	1,690	1,436	1,139	872	632	727
MARION	318,150	23,725	23,088	22,906	14,028	9,518	21,584	21,983	21,346	20,218	19,671	20,272	20,689	19,930	17,450	12,852	9,573	7,292	5,870	6,195
MORROW	11,270	787	853	950	570	325	583	635	654	739	666	712	836	775	703	504	388	277	171	143
MULTNOMAH	741,925	46,384	41,880	39,234	23,323	18,067	53,387	69,669	67,170	60,952	54,093	50,134	49,773	48,470	39,553	25,951	17,502	13,197	10,910	12,294
POLK	75,985	4,948	4,934	5,356	3,272	2,826	5,982	4,381	4,298	4,362	4,522	4,702	4,984	5,132	4,608	3,553	2,601	2,118	1,578	1,608
SHERMAN	1,765	95	91	99	63	30	75	84	93	90	80	139	158	126	147	113	97	78	60	46
TILLAMOOK	25,255	1,390	1,338	1,379	941	514	1,086	1,235	1,243	1,320	1,407	1,589	2,000	2,254	2,164	1,817	1,346	979	718	537
UMATILLA	76,580	5,704	5,615	5,577	3,437	2,169	4,900	5,225	4,895	4,919	4,840	5,011	5,073	5,058	4,223	3,143	2,339	1,730	1,402	1,319
UNION	25,980	1,669	1,629	1,582	1,040	901	1,907	1,604	1,357	1,314	1,345	1,601	1,826	1,987	1,782	1,353	1,032	808	600	682
WALLOWA	6,995	385	383	356	221	99	252	296	338	292	348	456	575	676	635	523	403	293	233	232
WASCO	25,300	1,649	1,583	1,597	1,050	597	1,363	1,479	1,418	1,395	1,449	1,573	1,837	1,902	1,444	1,365	1,000	812	601	786
WASHINGTON	536,370	38,327	36,483	37,663	21,738	12,630	32,207	41,698	42,119	41,979	39,751	38,583	36,521	32,895	26,853	18,130	12,363	9,159	7,474	8,389
WHEELER	1,435	70	58	78	58	21	40	62	59	62	58	91	102	140	113	138	100	84	56	45
YAMHILL	99,850	6,458	6,793	7,120	4,379	3,454	6,897	6,034	6,224	6,360	6,521	6,727	6,939	6,503	5,681	4,353	2,975	2,394	1,930	2,108

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, 2011

County	Male Population																			
	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	3,823,465	122,060	120,597	123,953	77,208	52,948	128,963	134,328	132,353	129,384	126,798	130,250	132,614	132,212	117,136	85,390	60,882	42,971	31,107	26,855
BAKER	8,193	418	434	466	357	169	353	420	412	431	461	557	604	686	667	581	459	327	226	164
BENTON	45,047	1,866	1,970	2,282	1,644	2,819	7,410	3,269	2,366	2,133	2,169	2,390	2,632	2,841	2,432	1,634	1,130	874	620	588
CLACKAMAS	186,054	11,156	12,185	13,705	8,504	4,850	10,206	10,631	11,049	11,858	12,882	14,210	14,772	14,231	12,282	8,688	5,655	3,686	2,753	2,571
CLATSOP	18,458	1,002	1,025	1,043	780	507	1,216	1,111	1,107	1,053	1,050	1,276	1,376	1,550	1,437	1,075	734	514	347	285
COLUMBIA	24,853	1,439	1,568	1,689	1,135	606	1,223	1,201	1,476	1,527	1,782	1,866	2,031	1,987	1,740	1,342	836	348	292	285
COOS	31,067	1,688	1,595	1,684	1,128	770	1,616	1,664	1,645	1,599	1,657	2,073	2,415	2,547	2,500	2,075	1,712	1,231	833	657
CROOK	10,329	567	617	695	483	204	448	463	553	590	579	666	796	773	778	589	349	249	180	140
CURRY	11,037	453	449	550	378	196	415	466	401	470	483	724	848	1,032	1,096	1,003	807	552	411	304
DESCHUTES	78,515	4,964	5,145	5,327	3,184	1,794	4,225	4,574	5,091	5,430	5,305	5,348	5,546	5,376	5,355	4,135	3,007	1,880	1,389	1,040
DOUGLAS	53,226	2,915	2,904	3,239	2,207	1,330	2,817	2,619	2,792	2,713	2,892	3,430	4,041	4,202	4,228	3,507	2,778	2,045	1,446	1,120
GILLIAM	971	56	39	60	43	17	36	40	53	46	57	71	95	79	90	59	49	34	25	22
GRANT	3,697	160	173	209	153	76	134	151	169	185	166	245	264	348	339	317	234	173	101	100
HARNEY	3,749	218	200	231	195	94	166	157	211	190	183	248	299	309	297	259	186	135	76	66
HOOD RIVER	11,326	745	863	863	502	296	639	699	725	760	798	871	866	820	617	431	248	281	159	144
JACKSON	99,390	6,149	5,907	6,388	4,014	2,521	5,975	6,039	5,748	5,748	5,863	6,620	7,121	7,477	7,047	5,470	4,049	3,000	2,197	1,957
JEFFERSON	11,361	819	711	787	499	277	648	660	651	698	748	822	763	792	751	610	514	311	189	107
JOSEPHINE	40,297	2,137	2,216	2,498	1,730	972	1,926	1,990	2,041	2,046	2,180	2,603	2,937	3,064	3,324	2,743	2,187	1,595	1,136	973
KLAMATH	33,123	2,003	2,046	2,101	1,395	941	2,153	1,833	1,788	1,891	1,941	2,202	2,313	2,519	2,422	1,940	1,414	1,065	670	483
LAKE	4,184	172	194	210	175	172	64	181	237	247	293	318	335	370	343	305	218	161	93	79
LANE	173,080	9,281	9,421	10,275	6,758	6,051	16,101	12,309	11,359	10,372	10,395	11,018	11,856	12,547	11,519	8,250	6,009	4,254	3,146	2,758
LINCOLN	22,465	1,163	1,068	1,102	815	475	1,098	1,160	1,183	1,173	1,150	1,441	1,746	2,047	2,094	1,664	1,271	835	585	395
LINN	57,902	4,032	3,956	4,078	2,422	1,523	3,377	3,648	3,543	3,636	3,582	3,904	4,040	4,174	3,651	2,876	2,064	1,437	1,107	871
MALHEUR	17,012	1,183	1,124	1,071	689	509	1,258	1,243	1,242	1,166	1,132	1,117	1,136	1,002	890	717	549	421	281	284
MARION	158,377	12,265	11,764	11,763	7,216	4,909	11,192	11,306	11,055	10,301	10,083	10,246	10,184	9,618	8,389	5,977	4,443	3,190	2,387	2,089
MORROW	5,795	412	433	484	293	182	319	347	318	382	344	373	423	376	374	247	191	144	95	58
MULTNOMAH	366,732	23,727	21,340	20,045	11,923	8,954	25,914	34,269	33,813	31,367	27,961	25,484	24,771	23,996	19,365	12,263	7,903	5,562	4,205	3,870
POLK	36,955	2,508	2,558	2,721	1,690	1,315	2,930	2,271	2,069	2,148	2,233	2,346	2,358	2,409	2,233	1,696	1,239	953	683	596
SHERMAN	897	45	46	51	35	15	40	37	51	55	39	66	84	62	79	53	43	42	27	26
TILLAMOOK	12,741	708	683	732	504	305	582	647	655	681	729	808	969	1,100	1,069	880	670	473	330	215
UMATILLA	39,958	2,954	2,797	2,872	1,793	1,151	2,746	2,544	2,728	2,640	2,620	2,686	2,622	2,634	2,135	1,564	1,189	795	598	489
UNION	12,808	855	850	778	575	460	904	831	705	623	694	729	873	1,012	890	671	525	380	251	222
WALLOWA	3,417	186	178	172	114	53	117	145	166	149	166	193	279	327	332	257	224	148	110	99
WASCO	12,545	820	809	791	572	323	683	767	719	700	721	758	903	958	928	706	480	362	242	291
WASHINGTON	263,558	19,602	19,752	19,195	11,093	6,479	16,005	20,603	20,986	21,064	20,009	19,063	17,829	15,693	12,547	8,415	5,469	3,906	2,945	2,702
WHEELER	714	40	32	37	35	16	21	34	37	28	23	39	50	68	49	77	45	39	28	17
YAMHILL	50,077	3,353	3,515	3,619	2,265	1,723	3,485	3,192	3,209	3,324	3,370	3,438	3,435	3,177	2,777	2,121	1,418	1,096	819	742

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, 2011

County	Female Population																			
	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	3,823,465	115,936	115,670	118,168	72,806	51,001	124,789	132,127	129,509	125,627	124,153	131,596	139,183	139,892	123,574	91,988	66,988	52,198	43,049	51,083
BAKER	8,022	448	403	446	304	135	312	388	345	365	439	531	651	694	682	579	468	322	254	277
BENTON	42,948	1,835	2,062	2,156	1,539	2,774	6,335	2,777	2,277	2,164	2,207	2,546	2,931	2,969	2,406	1,776	1,039	856	1,051	1,051
CLACKAMAS	192,426	10,262	11,749	12,931	8,133	4,345	9,660	10,441	11,158	12,198	13,290	14,769	15,370	15,044	13,037	9,277	6,416	4,844	4,082	5,400
CLATSOP	18,687	1,094	998	1,069	636	464	1,036	1,055	981	1,024	1,043	1,274	1,425	1,680	1,473	1,121	745	566	497	506
COLUMBIA	24,772	1,345	1,515	1,672	1,023	535	1,152	1,229	1,535	1,582	1,762	1,857	2,048	1,948	1,801	1,248	851	650	485	536
COOS	31,893	1,608	1,586	1,624	1,125	724	1,532	1,629	1,619	1,519	1,650	2,110	2,526	2,635	1,777	1,233	1,313	1,012	947	947
CROOK	10,526	538	598	663	393	180	421	478	588	568	589	735	799	865	900	731	528	392	268	292
CURRY	11,298	395	422	484	342	161	381	428	416	479	574	730	918	1,046	1,208	1,025	844	562	421	462
DESCHUTES	80,360	4,739	4,910	5,055	2,991	1,676	4,051	4,895	5,067	5,303	5,464	5,726	6,002	6,078	5,576	4,225	2,932	2,149	1,891	1,891
DOUGLAS	54,589	2,736	2,832	3,065	2,036	1,142	2,644	2,887	2,761	2,747	3,029	3,601	4,159	4,490	4,262	3,525	2,885	2,331	1,698	1,921
GILLIAM	909	42	42	39	30	9	25	33	43	36	43	72	77	98	71	53	35	35	32	52
GRANT	3,753	174	179	225	126	54	131	156	165	183	203	246	318	338	333	271	215	169	120	148
HARNEY	3,626	183	205	221	149	79	142	186	190	199	215	282	282	283	286	219	167	140	91	105
HOOD RIVER	11,299	741	769	822	510	253	538	661	718	736	852	833	871	785	568	448	312	290	250	340
JACKSON	104,560	5,894	5,742	6,189	3,959	2,576	6,100	5,861	5,946	6,032	6,874	7,696	8,082	8,082	7,624	5,899	4,343	3,578	3,011	3,474
JEFFERSON	10,484	723	694	747	477	251	557	579	550	593	653	736	723	733	755	610	427	285	214	176
JOSEPHINE	42,523	2,076	2,150	2,458	1,504	843	1,918	1,884	2,046	2,050	2,283	2,780	3,216	3,460	3,609	2,994	2,311	1,817	1,430	1,694
KLAMATH	39,457	1,983	1,852	2,056	1,312	876	2,059	1,802	1,759	1,869	1,947	2,252	2,426	2,661	2,424	1,906	1,468	1,161	817	827
LAKE	3,701	191	174	212	168	52	134	164	172	195	229	251	327	306	326	259	183	160	107	91
LANE	179,475	8,897	9,074	9,665	6,358	6,311	15,077	12,012	10,895	10,122	10,352	11,605	12,876	13,809	12,020	9,047	6,665	5,024	4,477	5,190
LINCOLN	23,690	1,114	1,005	1,064	664	397	954	1,126	1,149	1,071	1,255	1,545	1,993	2,389	2,352	1,867	1,338	998	684	723
LINN	59,438	3,681	3,693	3,983	2,376	1,460	3,457	3,651	3,617	3,621	3,490	4,012	4,188	4,243	3,841	3,070	2,335	1,772	1,380	1,568
MALHEUR	14,433	1,133	1,060	1,102	635	440	847	853	806	774	787	866	849	927	800	720	590	451	351	444
MARION	159,773	11,460	11,304	11,143	6,812	4,608	10,393	10,677	10,291	9,917	9,588	10,026	10,484	10,312	9,061	6,875	5,130	4,102	3,483	4,106
MORROW	5,475	375	419	466	277	143	264	288	336	358	322	340	413	399	329	256	197	133	76	85
MULTNOMAH	375,193	22,657	20,540	19,189	11,401	9,113	27,473	35,400	33,357	29,585	26,132	24,650	25,002	24,475	20,168	13,688	9,599	7,635	6,705	8,424
POLK	39,010	2,439	2,376	2,635	1,583	1,510	3,052	2,311	2,229	2,214	2,289	2,356	2,626	2,723	2,375	1,858	1,362	1,165	895	1,012
SHERMAN	868	50	46	48	28	15	35	46	43	35	41	72	74	64	68	59	53	36	33	20
TILLAMOOK	12,514	682	655	647	437	208	504	587	588	638	678	781	1,031	1,154	1,095	937	675	505	388	322
UMATILLA	36,622	2,750	2,818	2,705	1,644	1,018	2,154	2,281	2,167	2,278	2,220	2,325	2,451	2,424	2,088	1,579	1,150	935	803	830
UNION	13,172	814	779	784	465	241	1,003	773	652	690	651	873	954	955	891	682	507	448	349	461
WALLOWA	3,578	198	205	184	107	47	135	151	172	143	182	263	295	349	303	265	179	144	123	133
WASCO	12,755	829	774	806	478	274	680	712	699	694	728	815	934	944	916	659	510	450	398	495
WASHINGTON	273,012	18,725	18,741	18,068	10,645	6,151	16,201	21,095	21,133	20,914	19,741	19,520	18,691	17,002	14,306	9,714	6,894	5,253	4,529	5,687
WHEELER	721	30	26	40	24	5	19	29	23	34	35	52	52	71	65	61	55	45	28	28
YAMHILL	49,773	3,106	3,278	3,501	2,114	1,731	3,412	2,842	3,015	3,036	3,151	3,289	3,504	3,326	2,903	2,232	1,557	1,298	1,112	1,365

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

**TABLE A-3: Oregon Veteran Population by Age and Sex: September 30, 2011**

Sex	Age Groups																
	All Ages	< 20	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	85-89	90+
Both Sexes	327,288	82	3,732	9,589	12,126	13,170	19,029	22,502	24,574	30,194	45,233	43,826	31,305	26,964	21,712	15,869	7,380
Male	301,951	75	3,284	8,231	10,205	11,174	16,502	19,476	21,291	26,928	43,284	42,589	30,254	26,097	21,126	14,837	6,599
Female	25,337	7	448	1,358	1,921	1,996	2,527	3,026	3,283	3,266	1,949	1,237	1,051	867	586	1,032	781

Source: United States Department of Veteran Affairs, VetPop 2011 State Data Tables: <http://www1.va.gov/VETDATA/docs/Demographics/11.xls>

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## APPENDIX B: TECHNICAL NOTES

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## Appendix B: Technical notes - definitions

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### Births

- **Apgar Score** is a summary measure of the infant's condition based on 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.<sup>1</sup>
- **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, births tabulated as age of father not stated are distributed in the same proportions as births with known age within each five-year-age classification of the mother. The male birth rate is used to facilitate comparisons between Oregon and the national rate.

NCHS uses this procedure to avoid distortion in rates resulting from the disregard of the relationship between the mother and fathers' age.

## Deaths

- **Crude Death Rate** is the number of deaths per 1,000 or 100,000 total population.
- **Fetal Death** is death prior to the complete expulsion or extraction from its mother of a product of conception of at least 20 weeks gestation, except where such expulsion results from a therapeutic abortion; the death is indicated by the fact that after such separation, the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
- **Fetal Death Ratio** is the number of fetal deaths per 1,000 live births. Ratios differ from rates.
- **Infant Death** is the death of a child prior to its first birthday.
- **Infant Death Rate** is the number of infant deaths per 1,000 live births.
- **Maternal Death Rate** is the number of female deaths attributed to childbirth or to complications of pregnancy or the puerperium, per 100,000 live births.
- **Neonatal Death** is the death of a child within the first 27 days of life.
- **Neonatal Death Rate** is the number of neonatal deaths per 1,000 live births.
- **Postneonatal Death** is the death of a child after 27 days of life and before its first birthday.
- **Postneonatal Death Rate** is the number of postneonatal deaths per 1,000 live births.
- **Perinatal Death** is the death of a fetus after 20 weeks gestation or the death of a live-born infant prior to the 28th day of life. Other medical literature may include different time periods.
- **Perinatal Death Ratio** is the number of perinatal deaths per 1,000 total live births. Ratios differ from rates.

## **Medical personnel - abbreviations used in tables**

- C.N.M. — certified nurse midwife
- D.C. — doctor of chiropractic medicine
- D.O. — doctor of osteopathic medicine
- L.D.M. — licensed direct entry midwife
- M.D. — medical doctor
- N.D. — naturopathic doctor
- R.N. — registered nurse

## **Endnote**

<sup>1</sup>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.

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## Appendix B: Technical notes - methodology

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*“That, sir, is the good of counting; it brings everything to a certainty, which before floated in the mind indefinitely.”*

—Samuel Johnson

### **Induced termination of pregnancy**

The induced termination of pregnancy data in this report represents nearly all abortions performed in Oregon during the current data year. Missing data is due to incomplete reporting by providers. Another consideration is the place of occurrence (Oregon) versus the mother’s place of residence (residence could be anywhere). That is, the data constitute events associated with the place of occurrence rather than the “residence data” used in estimating births. This is necessary because many abortions obtained out-of-state by Oregon residents are not reported to Oregon’s Center for Health Statistics. It reflects the great variation in abortion reporting procedures among states (e.g., some states do not record the patient’s residence) as well as the fact that a comprehensive data collection network among all states, similar to that used in reporting births, does not exist in regard to abortions.

In using “occurrence” data rather than “residence” data to estimate abortion rates for Oregon residents, an implicit assumption is made that the number of Oregon residents who leave the state to obtain an abortion equals the number of out-of-state residents who obtain an abortion in Oregon. In formulating generalizations which involve trends or long-term behavioral patterns, annual totals are treated as sample values generated by ongoing social, economic, or political processes and thus subject to “chance” variability. For most purposes, numbers offered in this report should be viewed as careful approximations and interpreted only within the framework of statistical safeguards developed to take sampling variability into account.

Some rates in the Induced Terminations of Pregnancy section are based on relatively few events, and for most comparisons may be used only with extreme caution—due to the chance fluctuations associated with small numbers. A small percentage of abortion reports lack certain data items.



### Estimation of the cumulative proportion of females who have experienced an abortion

This estimate is computed by tracing the abortion experience of a specific cohort of females over an extended time period. In the table below, an approximation of the “cumulative total” of first-time abortions by one of the cohorts may be obtained by summing the numbers in the boxed area.

Number of First-Time Abortions By Year and Age Group, Oregon Occurrence, 1991-2005						
YEAR	AGE GROUPS					
	15-19	20-24	25-29	30-34	35-39	40-44
91	2584	2678	1190	716	402	122
92	2137	2396	1067	655	380	117
93	2267	2393	1176	598	357	117
94	2370	2379	1233	693	376	135
95	2510	2486	1402	755	463	144
96	2511	2566	1416	771	468	152
97	2679	2794	1502	835	501	151
98	2525	2679	1496	786	495	175
99	2426	2776	1482	803	503	163
00	2270	2888	1499	827	487	176
01	2194	3018	1445	826	481	149
02	1840	2665	1383	836	443	181
03	1839	2575	1270	749	420	165
04	1607	2370	1232	710	396	152
05	1605	2307	1261	729	427	178

To obtain this value, it is necessary to sum the number of first-time abortions for 15- to 19-year-olds from 1991 to 1995 and those of 20- to 24-year-olds from 1996 to 2000 with those of 25- to 29-year-olds from 2001 to 2005.

This provides an estimate of the numerator in the following equation:

$$\begin{array}{l} \text{Cumulative proportion of females} \\ \text{who have had an abortion} \end{array} = \frac{\text{Total number of first time abortions} \\ \text{among a specific cohort of females}}{\text{Number of females in cohort}}$$

The denominator may be estimated by averaging the size of the cohort during 1991 to 1995. Table A-1 lists the annual estimate of the number of females within each cohort. For example, in 1991, the number of 15- to 19-year-old females

was estimated to be 93,043; in the next year, it was 95,064. The average size of this age group from 1991 to 1995 was 98,540. Similarly, the number of 20- to 24- year-old women between 1996 and 2000 was 104,214 on average; the number of 25- to 29-year-olds averaged 93,065 between 2001 and 2005. Thus, between 1991 and 2005 the cohort of interest had an average population size of 98,606.

Substituting into the formula given above:

$$C_p = \frac{\text{Sum of First Abortions}}{N} = \frac{32,162}{98,606} = 0.326 \text{ or } 32.6 \text{ percent}$$

This number approximates the proportion of females in the 25- to 29-year-old cohort who, by 2005, had ever had an abortion. This method of estimation assumes factors such as deaths and migration have not altered the composition of the female population in Oregon—that is, the women who left the state displayed the same characteristics as those who have moved into Oregon. It also assumes patients with a history of previous abortions do not report the current procedure as a first abortion.

### **Teen pregnancy**

Teen pregnancy counts include live births and induced terminations of pregnancies; they do not include fetal deaths or miscarriages (spontaneous abortions).

- Birth counts include births to teens whose primary residence is in another state.
- Teen abortion counts are based on all reported abortions to teenage Oregon residents; however, because states often do not report abortions obtained within their borders to the state of residence, as occurs with vital events such as birth and death, an unknown number of Oregon teens obtain abortion services out-of-state. As a consequence, counts of Oregon resident teen abortions and pregnancies should be considered incomplete.

Furthermore, because teen abortion counts are based on “residence data,” figures given in Chapter 4 do not correspond exactly to those in Chapter 3, which are based on “occurrence data.” (See Induced Terminations of Pregnancy methodology section.) The estimation of rates requires an estimate of the size of the appropriate

population. Such estimates are now available for 15- to 17-year-olds and 18- to 19-year-olds for each Oregon county on an annual basis.

Rates based upon a small population increase the likelihood of variation in the data due to the influence of chance factors. For this reason, rates of teen pregnancy, birth, and abortion were calculated only if each age category contained at least 50 female residents of the specified county.

Great caution must be taken in the use of pregnancy statistics associated with females under 15 years of age. This is because relatively few events are recorded each year for this group. Also, rates are based on the estimated population cohort of 10- to 14-year-old females—many of whom are physiologically not yet at risk of pregnancy. Thus, any direct comparison of rates between this group and another age group—e.g., 15- to 17-year-olds—would be inappropriate.

### Demographics

The extent to which Oregon's demographic composition may affect its national ranking is indicated by comparisons shown in the sidebar. In 2008, Oregon's birth rate for all teens (regardless of race or ethnic affiliation) was 7.5 percent lower than that of the U.S., and among all 50 states, it had the 20th lowest teen birth rate. Yet, if comparisons were made in terms of births to non-Hispanic white teens only, Oregon would have been 36th and the rate would have been 19 percent higher than that of the U.S. This results from the fact that 87 percent of 15- to 19-year-old females in Oregon were non-Hispanic whites and only seven percent were either Hispanic or non-Hispanic African Americans. By comparison, 70 percent of the U.S. female population of that age were non-Hispanic whites, and 26 percent were Hispanics or non-Hispanic African Americans.

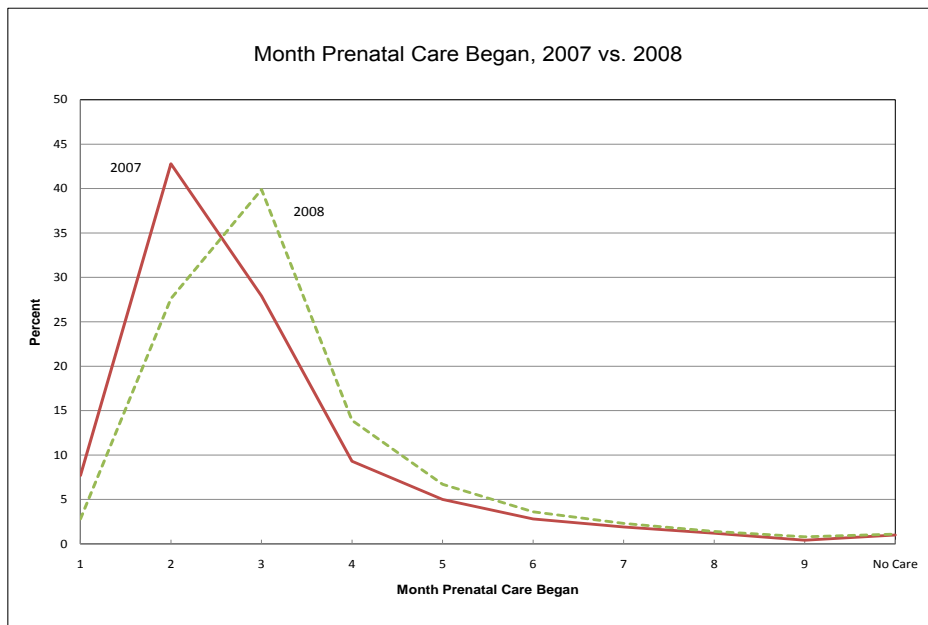
### Prenatal Care

In 2008, information on the timing of prenatal care was based on the difference between the date of first prenatal visit and the date of last normal menses. When the data of last normal menses is missing or invalid, the clinical estimate of gestation is used. This change has made direct comparison between 2007 data and 2008 data unreliable.

Teen Birth Rates, U.S. vs. Oregon, Ages 15-19, 2008		
Race/Ethnicity	Birth Rate <sup>1</sup>	
	U.S.	Oregon
TOTAL*	41.5	34.0
Non-hispanic whites	26.7	26.7

<sup>1</sup> All rates per 1,000 females ages 15-19.  
\* All races and ethnicities combined.

Prenatal care information based on the revised system suggests a markedly less favorable picture of prenatal care utilization than data from 2007. In 2008, prenatal care began in the first month of pregnancy in 2.8 percent of births, while in 2007 prenatal care began in the first month in 7.7 percent of births. Most of this difference is likely attributable to the changes in data collection rather than changes in prenatal care utilization.



### Race and Ethnicity

In 2006, the state of Oregon Center for Health Statistics, in response to a reporting change at the National Center for Health Statistics, began allowing multiple race responses on each birth or death certificate. This change led to revised presentation of race and ethnicity in the annual report tables, starting with the 2007 annual report.

One change is the addition of tables presenting multiple race selections as well as tables presenting single-mention race. Examples of multiple race tables include 6-10 and 6-12 in Volume 2 of the annual report. In these two tables, individual decedents can be listed in more than one race category. If a decedent is listed as both white and black on the death certificate, that person would be included in the totals for both white and black in the multiple race tables. Because of this, the race category totals will not add up to the total number of deaths in multiple race tables. Multiple race tables (e.g., 6-10 and 6-12) can then be compared with

similar single-mention race tables (such as 6-9 and 6-11, respectively) for an idea of how “mark all that apply” race selection changes the total numbers for each race category. In tables presenting single-mention race, persons with two or more race selections are included in the “two or more races” total.

Other revisions include removing Hispanic numbers from the single-mention race categories in most tables. Persons of Hispanic ethnicity may belong to any race category (or categories), and this is still presented in some tables including 6-9 and 6-10. Footnotes on each table indicate when single-mention race categories are non-Hispanic only. Headers have also been added to several tables to indicate “Non-Hispanic Single Mention Race.” One reason for this change is because many Hispanic individuals identify their race as “Other” (in 2008, 77.3 percent of decedents with other or unknown race were Hispanic). Another reason is because “Non-Hispanic White” is often used as a reference category when doing statistical analysis.

## **Tobacco**

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### *Oregon Benchmark for the Year 2010*

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Percentage of infants whose mothers did not use tobacco during pregnancy (self-reported).

Year 2010 target:	98 %
2008:	88.7 %

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Women who smoke when pregnant have a far higher incidence of low birthweight babies than nonsmokers. Low birthweight infants experience more serious health problems, including increased rates of infant mortality. In 2008, the Oregon infant mortality rate during the first 27 days of life (neonatal) was 51.8 per 1,000 live births for low birthweight (less than 2,500 grams) infants compared to 0.7 per 1,000 for infants with birthweights of 2,500 grams or more. Women who smoked had a low birthweight rate of 84.7 per 1,000 live births, compared to 57.1 per 1,000 among women who did not smoke. One of nine mothers (11.8 %) reported using tobacco during pregnancy, a proportion that is among the lowest observed in the last 20 years. (See sidebar 2-D, page 2-7.) The percentage of tobacco use among unmarried women was nearly four

times that of married women (22.9 % vs. 5.6 %). The highest percentage of tobacco use during pregnancy in 2008 was among unmarried mothers aged 20–24 and unmarried mothers aged 25–29 (24.7% and 24.3% respectively). Generally, the percentage of mothers who reported smoking during pregnancy decreased with age regardless of marital status. The lowest percentage of smokers was reported for married mothers aged 35-39 (2.9 %). (See Figure 2-5.)

## Appendix B: 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

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

Data users are diverse, including public health officials evaluating a program by using death data, demographers projecting school enrollments with birth data, and business people deciding to open a formal-wear shop based on marriage data. Many of these users have a thorough

knowledge of statistics. But others find the entire subject matter confusing and intimidating. For either group, a misunderstanding of what vital statistics mean can lead to wrong conclusions. Therefore, this section is included to provide an overview of how to use vital statistics. It is addressed to the person looking at vital events for the first time, but the experienced user may also find a review helpful.

### Step 1: Finding the correct number

The first step is to determine how many instances 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 that occur among teens. Taken together, they provide a useful measure of the

number of pregnancies.<sup>1</sup>

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 that 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 both of these data needs can be met.

### **Occurrence data:**

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

### **Residence data:**

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

When in doubt about which type of data to use, resident figures are usually the best choice. Most birth and death data are published by residence, which means 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 the number of events is compared to the population for which that event could have occurred, and the figure is then standardized to some number (such as 1,000 or 100,000) for convenience.

Here is an example:

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

the number of people  
who could have died

a number chosen by vital  
statisticians to improve the  
ease of comparison

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 prepubescent or post-menopausal women in the population. (The turn of the century notion that only married women between the ages of 15 and 44 would be considered at risk of pregnancy has been abandoned for obvious reasons.)

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

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

### **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.” Hypothetically, a statistician will say, “We are 95% sure the true infant death rate for Oregon in 2008 was  $9.47 \pm 0.97$ ; 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 that do not reflect real changes. Consider Clatsop County’s infant mortality rates for a five-year period.

<b>CLATSOP COUNTY</b>			
<b>YEAR</b>	<b>BIRTHS</b>	<b>INFANT DEATHS</b>	<b>INFANT DEATH RATES</b>
2001	380	1	2.63
2002	432	6	13.89
2003	367	6	16.35
2004	397	2	5.04
2005	411	1	2.43
<b>2001-2005</b>	<b>1,987</b>	<b>16</b>	<b>8.1</b>

Clatsop county's five year infant death rate is 8.1, which is 2.5 percentage points higher than the state rate (5.6). Yet, for some years Clatsop's rate is more than six times as high as the rate of other years simply because five 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 percent 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 are too few, how many cases are sufficient to say a true difference exists? Unfortunately, we have no easy rules for this. To be safe, the vital statistician should always try to combine several years of data or consolidate geographical areas. Confidence intervals should be calculated, and differences should be tested for statistical significance.

### **Changes in measurement**

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

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.

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

### Taking age, sex, and race into account

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

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

To the right 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 age-specific death rates for each

	1950	1960
Crude death rate	9.1	9.5
<b>Age-specific death rates</b>		
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

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 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 2005, 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, Center for Health Statistic’s staff are available for data users who need assistance.

## Endnote

<sup>1</sup> 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 1 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 that occur is not available in vital records. Nevertheless, a measure that excludes these outcomes provides an adequate indicator of the number of pregnancies.

## Appendix B: Technical notes - formulas

### GENERAL:

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

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

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

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

### 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:  $\frac{\text{All Resident Births}}{\text{Female Population Aged 15-44}}$

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

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

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

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$$5. \text{ FETAL DEATH RATIO} = \frac{\text{Resident Fetal Deaths (350+ grams Birthweight)}}{\text{Resident Live Births}} \times 1,000$$

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


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$$6. \text{ FETAL DEATH RATE} = \frac{\text{Resident Fetal Deaths (350+ grams Birthweight)}}{\text{Resident Live Births} + \text{Resident Fetal Deaths}} \times 1,000$$

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


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$$7. \text{ PERINATAL DEATH RATE} = \frac{\text{Resident Neonatal Deaths} + \text{Resident Fetal Deaths (350+ grams Birthweight)}}{\text{Resident Live Births} + \text{Resident Fetal Deaths}} \times 1,000$$

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

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

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$$8. \text{ ABORTION RATIO} = \frac{\text{Resident Abortions}}{\text{Resident Births}} \times 1,000 \text{ or } \frac{\text{Occurrence Abortions}}{\text{Occurrence Births}} \times 1,000$$

$$\text{Oregon, 1994, Occurrence} = \frac{13,392}{43,591} \times 1,000 = 307.2$$


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$$9. \text{ ABORTION RATE} = \frac{\text{Resident Abortions or Occurrence Abortions}}{\text{Female Resident Population Aged 15-44}} \times 1,000$$

$$\begin{aligned} \text{Oregon 1994, Occurrence} \\ \text{with total adjusted} \\ \text{for unknown ages} \end{aligned} = \frac{13,300}{682,428} \times 1,000 = 19.5$$



**DEATHS:**

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$$10. \text{ (CRUDE) DEATH RATE} = \frac{\text{Resident Deaths}}{\text{Population}} \times 1,000$$

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


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

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


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$$12. \text{ NEONATAL DEATH RATE} = \frac{\text{Resident Neonatal Deaths}}{\text{Resident Births}} \times 1,000$$

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


---

$$13. \text{ POSTNEONATAL DEATH RATE} = \frac{\text{Resident Postneonatal Deaths}}{\text{Resident Births}} \times 1,000$$

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


---

$$14. \text{ CAUSE-SPECIFIC DEATH RATE} = \frac{\text{Resident Deaths Due to Specific Cause}}{\text{Population}} \times 100,000$$

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


---

$$15. \text{ AGE AND SEX-SPECIFIC DEATH RATE} = \frac{\text{Resident Deaths in Age-Sex Category}}{\text{Population in Age-Sex Population}} \times 1,000$$

$$\text{Oregon, 1994, Males Aged 5-14} = \frac{63}{225,880} \times 100,000 = 27.9$$

## **MARRIAGE AND DIVORCE:**

---

$$16. \text{ MARRIAGE RATE} = \frac{\text{Marriages}}{\text{Population}} \times 1,000$$

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


---

$$17. \text{ DIVORCE RATE} = \frac{\text{Divorces}}{\text{Population}} \times 1,000$$

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


---

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.<sup>1</sup>

## **CALCULATING CONFIDENCE INTERVALS FOR RATES:**

---

### **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 x L

Upper Limit = R x 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:

$$\text{Lower Limit} = 13.0 \times 0.51671 = 6.7$$

$$\text{Upper Limit} = 13.0 \times 1.7468 = 22.7$$

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.

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

**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):

$$\text{Upper Limit} = R + [1.96 \times R / \sqrt{N}]$$

where:

R = the rate (birth rate, mortality rate, teen pregnancy rate, etc.)

N = the number of events (births, deaths, teen pregnancy, etc.)

**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:

$$\begin{aligned} \text{Lower Limit} &= 13.7 - [1.96 \times (13.7 / \sqrt{143})] \\ &= 13.7 - [1.96 \times (13.7 / 11.96)] \\ &= 13.7 - [1.96 \times 1.15] \\ &= 13.7 - 2.25 \\ &= 11.5 \end{aligned}$$

$$\begin{aligned} \text{Upper Limit} &= 13.7 + [1.96 \times (13.7 / \sqrt{143})] \\ &= 13.7 + [1.96 \times (13.7 / 11.96)] \\ &= 13.7 + [1.96 \times 1.15] \\ &= 13.7 + 2.25 \\ &= 16.0 \end{aligned}$$

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 RATES ADJUSTED FOR SEX/AGE/RACE:

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

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

The *standard mortality ratio* compares the number of deaths for a particular population (such as a county or a Health Service Area) to the number of deaths which would be expected if some standard set of rates (such as the state or the U.S. rates) had occurred.<sup>2</sup>

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

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

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

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**REFERENCES:**

1. US Department of Health & Human Services, Public Health Service, Centers for Disease Control and Prevention, October 1999. The original materials are available on-line at <http://www.cdc.gov/nchs/products/training/phd-osp.htm>.

2. For more information, please see "Direct Standardization (Age-Adjusted Death Rates)," U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Center for Health Statistics, March 1995. The original materials are available on-line at <http://www.cdc.gov/nchs/data/statnt/statnt06rv.pdf>.

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

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

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



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## APPENDIX C: LIST OF FIGURES AND TABLES

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## Appendix C: List of figures and tables

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## **APPENDIX D: SAMPLE FORMS**

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# Appendix D: Sample forms

## OREGON HEALTH AUTHORITY CENTER FOR HEALTH STATISTICS

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Type or print in permanent black ink. See handbook for instructions.

I.D. Tag Number		REPORT OF FETAL DEATH		State File Number	
1. NAME OF FETUS — Optional (First, Middle, Last, Suffix)		2. TIME OF DELIVERY (24 hr)	3. SEX	4. DATE OF DELIVERY (Month, Day, Year)	
5a. FACILITY — NAME (If not an institution, give street and number)		5b. CITY, TOWN, OR LOCATION OF DELIVERY		5c. ZIP CODE	5d. COUNTY OF DELIVERY
6a. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			6b. DATE OF BIRTH (Month, Day, Year)		
6c. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last, Suffix)			6d. BIRTHPLACE (State, Territory, or Foreign Country)		
6e. RESIDENCE OF MOTHER — STATE		6f. COUNTY	6g. CITY, TOWN, OR LOCATION		
6h. STREET AND NUMBER			6i. ZIP CODE	6j. INSIDE CITY LIMITS <input type="checkbox"/> No <input type="checkbox"/> Yes	
7a. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		7b. DATE OF BIRTH (Month, Day, Year)	7c. BIRTHPLACE (State, Territory, or Foreign Country)		
8a. DATE REPORT COMPLETED (Month, Day, Year)	8b. NAME AND TITLE OF PERSON COMPLETING REPORT (Type or print.)				
9. NAME AND TITLE OF ATTENDANT (Type or print.)					
10. IF SERVICES: FUNERAL HOME NAME AND ADDRESS					
11a. DATE FILED BY REGISTRAR			11b. REGISTRAR — SIGNATURE		

OTHER

FATHER

<p>12a. INITIATING CAUSE/CONDITION (AMONG THE CHOICES BELOW, PLEASE SELECT THE ONE WHICH MOST LIKELY BEGAN THE SEQUENCE OF EVENTS RESULTING IN THE DEATH OF THE FETUS.)</p> <p>Maternal Conditions/Diseases (Specify): _____</p> <p>Complications of Placenta, Cord, or Membranes</p> <p><input type="checkbox"/> Rupture of membranes prior to onset of labor  <input type="checkbox"/> Abruptio placenta  <input type="checkbox"/> Placental insufficiency  <input type="checkbox"/> Prolapsed cord  <input type="checkbox"/> Chorioamnionitis  <input type="checkbox"/> Other (Specify): _____</p> <p>Other Obstetrical or Pregnancy Complications (Specify): _____</p> <p>Fetal Anomaly (Specify): _____</p> <p>Fetal Injury (Specify): _____</p> <p>Fetal Infection (Specify): _____</p> <p>Other Fetal Conditions/Disorders (Specify): _____</p> <p><input type="checkbox"/> Unknown</p>	<p>12b. OTHER SIGNIFICANT CAUSES OR CONDITIONS (SELECT OR SPECIFY ALL OTHER CONDITIONS CONTRIBUTING TO DEATH.)</p> <p>Maternal Conditions/Diseases (Specify): _____</p> <p>Complications of Placenta, Cord, or Membranes</p> <p><input type="checkbox"/> Rupture of membranes prior to onset of labor  <input type="checkbox"/> Abruptio placenta  <input type="checkbox"/> Placental insufficiency  <input type="checkbox"/> Prolapsed cord  <input type="checkbox"/> Chorioamnionitis  <input type="checkbox"/> Other (Specify): _____</p> <p>Other Obstetrical or Pregnancy Complications (Specify): _____</p> <p>Fetal Anomaly (Specify): _____</p> <p>Fetal Injury (Specify): _____</p> <p>Fetal Infection (Specify): _____</p> <p>Other Fetal Conditions/Disorders (Specify): _____</p> <p><input type="checkbox"/> Unknown</p>
<p>13a. ESTIMATED TIME OF FETAL DEATH</p> <p><input type="checkbox"/> Dead at time of first assessment, no labor ongoing  <input type="checkbox"/> Dead at time of first assessment, labor ongoing  <input type="checkbox"/> Died during labor, after first assessment  <input type="checkbox"/> Unknown time of fetal death</p>	<p>13b. WAS AN AUTOPSY PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned</p> <p>13c. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned</p> <p>13d. WERE AUTOPSY OR HISTOLOGICAL PLACENTAL EXAMINATION RESULTS USED IN DETERMINING THE CAUSE OF FETAL DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
14. AMENDMENT	



INFORMATION FOR MEDICAL AND HEALTH USE ONLY

MOTHER

FATHER

MOTHER

14. MOTHER MARRIED (at delivery, conception, or any time between?) <input type="checkbox"/> Yes <input type="checkbox"/> No		15. FACILITY'S NPI		16. MOTHER'S MEDICAL RECORD NUMBER	
17. OF HISPANIC ORIGIN? (Check "Yes" or "No") (If "yes," specify all that apply; e.g., Cuban, Mexican, Puerto Rican, etc.)		18. RACE (e.g., White, Black, American Indian, etc.) (Specify all that apply below.)		19. EDUCATION (Highest grade completed)	
17a. <input type="checkbox"/> Yes <input type="checkbox"/> No Specify		18a.		19a.	
17b. <input type="checkbox"/> Yes <input type="checkbox"/> No Specify		18b.		19b.	
20a. DATE OF FIRST PRENATAL CARE VISIT? (Month, Day, Year) <input type="checkbox"/> No Prenatal Care		20b. DATE OF LAST PRENATAL CARE VISIT? (Month, Day, Year)		20c. TOTAL NUMBER OF PRENATAL VISITS FOR THIS PREGNANCY? (If none, enter "0".)	
21. MOTHER'S HEIGHT? (feet/inches)		22. MOTHER'S PRE-PREGNANCY WEIGHT? (pounds)		23. MOTHER'S WEIGHT AT DELIVERY? (pounds)	
24. DID MOTHER GET WIC FOOD FOR HERSELF? <input type="checkbox"/> Yes <input type="checkbox"/> NO		25. NUMBER OF LIVE BIRTHS (Do not include this fetus.)		26. NUMBER OF OTHER PREGNANCY OUTCOMES (Spontaneous or induced losses or ectopic pregnancies)	
25a. Number Now Living: _____ <input type="checkbox"/> None		25b. Number Now Dead: _____ <input type="checkbox"/> None		27. CIGARETTE SMOKING BEFORE AND DURING PREGNANCY For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked. IF NONE, ENTER "0". Average number of cigarettes or packs of cigarettes smoked per day. # of cigarettes # of packs Three months before Pregnancy _____ OR _____ First Trimester of Pregnancy _____ OR _____ Second Trimester of Pregnancy _____ OR _____ Third Trimester of Pregnancy _____ OR _____	
28a. DATE OF LAST LIVE BIRTH (Month, Year)		28b. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)		28c. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)	
29. PLACE WHERE THIS DELIVERY OCCURRED (Check one.) <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding birthing center <input type="checkbox"/> Home Birth Planned to deliver at home? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Clinic / Doctor's Office <input type="checkbox"/> Other (Specify) _____		30. MOTHER TRANSFERRED FOR MATERNAL MEDICAL OR FETAL INDICATIONS FOR DELIVERY? <input type="checkbox"/> Yes <input type="checkbox"/> No  IF YES, ENTER NAME OF FACILITY FROM WHICH MOTHER WAS TRANSFERRED: _____		31. ATTENDANT'S NPI	
32. RISK FACTORS IN THIS PREGNANCY (Check all that apply.) <input type="checkbox"/> Diabetes <input type="checkbox"/> Pre-Pregnancy (Diagnosis prior to this pregnancy) <input type="checkbox"/> Gestational (Diagnosis in this pregnancy) <input type="checkbox"/> Hypertension <input type="checkbox"/> Pre-Pregnancy (Chronic) <input type="checkbox"/> Gestational (PIH, pre-eclampsia) <input type="checkbox"/> Eclampsia <input type="checkbox"/> Previous preterm birth <input type="checkbox"/> Other previous poor pregnancy outcome (includes perinatal death, small-for-gestational age/intrauterine growth restricted birth) <input type="checkbox"/> Pre-Pregnancy resulted from infertility treatment - If yes, check all that apply: <input type="checkbox"/> Fertility-enhancing drugs, artificial insemination or intrauterine insemination. <input type="checkbox"/> Assisted reproductive technology (e.g., in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT)) <input type="checkbox"/> Mother had a previous Cesarean delivery If yes, how many? _____ <input type="checkbox"/> Alcohol use during pregnancy If yes, average number of drinks per week? _____ <input type="checkbox"/> None of the above		33. INFECTIONS PRESENT AND/OR TREATED DURING THIS PREGNANCY (Check all that apply.) <input type="checkbox"/> Gonorrhea <input type="checkbox"/> Syphilis <input type="checkbox"/> Chlamydia <input type="checkbox"/> Listeria <input type="checkbox"/> Group B Streptococcus <input type="checkbox"/> Cytomegalovirus <input type="checkbox"/> Parvovirus <input type="checkbox"/> Toxoplasmosis <input type="checkbox"/> None of the above <input type="checkbox"/> Other (Specify): _____		34. METHOD OF DELIVERY A Fetal presentation at birth <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other B Final route and method of delivery (Check one.) <input type="checkbox"/> Vaginal/Spontaneous <input type="checkbox"/> Vaginal/Forceps <input type="checkbox"/> Vaginal/Vacuum <input type="checkbox"/> Cesarean; if Cesarean, was a trial of labor attempted? <input type="checkbox"/> Yes <input type="checkbox"/> No C Was delivery with forceps attempted, but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No D Was delivery with vacuum extraction attempted, but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No	
35. MATERNAL MORBIDITY (Check all that apply.) (Complications associated with labor and delivery) <input type="checkbox"/> Maternal transfusion <input type="checkbox"/> Third- or fourth-degree perineal laceration <input type="checkbox"/> Ruptured uterus <input type="checkbox"/> Unplanned hysterectomy <input type="checkbox"/> Admission to intensive care unit <input type="checkbox"/> Unplanned operating room procedure following delivery <input type="checkbox"/> None of the above		36. METHOD OF DISPOSITION: <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Hospital Disposition <input type="checkbox"/> Donation <input type="checkbox"/> Removal from State <input type="checkbox"/> Other (Specify) _____		37. WEIGHT OF FETUS (grams preferred; specify unit) _____ <input type="checkbox"/> grams <input type="checkbox"/> lb/oz	
38. OBSTETRIC ESTIMATE OF GESTATION AT DELIVERY _____ (completed weeks)		39. PLURALITY - Single, Twins, Triplets, etc.  (Specify) _____		40. IF NOT SINGLE BIRTH - Delivered First, Second, Third, etc.  (Specify) _____	
41. CONGENITAL ANOMALIES OF THE FETUS (Check all that apply.)					
<input type="checkbox"/> Anencephaly <input type="checkbox"/> Meningocele/Spina bifida <input type="checkbox"/> Cyanotic congenital heart disease <input type="checkbox"/> Congenital diaphragmatic hernia <input type="checkbox"/> Omphalocele <input type="checkbox"/> Gastroschisis <input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes) <input type="checkbox"/> Cleft Lip with or without Cleft Palate <input type="checkbox"/> Cleft Palate alone			<input type="checkbox"/> Down Syndrome <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending <input type="checkbox"/> Suspected chromosomal disorder <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending <input type="checkbox"/> Hypospadias <input type="checkbox"/> None of the anomalies listed above		
STATE USE ONLY a. _____ b. _____ c. _____ d. _____					

TYPE OR  
PRINT IN  
PERMANENT  
BLACK INK.

OREGON DEPARTMENT OF HUMAN SERVICES  
CENTER FOR HEALTH STATISTICS  
**CERTIFICATE OF DEATH**

136-

I.D. TAG NO.

STATE FILE NUMBER

<b>TO BE COMPLETED BY FUNERAL FACILITY</b>	1. Legal Name (Include AKAs, if any) First Middle Last Suffix					2. Death Date (MON DD YYYY)		
	3. Sex (M/F)	4a. Age - Last Birthday	4b. Under 1 Year Months : Days	4c. Under 1 Day Hours : Minutes	5. Social Security Number		6. County of Death	
	7. Birthdate (MON DD YYYY)		8a. Birthplace (City/Town, or County)		8b. (State or Foreign Country)		9. Decedent's Education	
	10. Was Decedent of Hispanic Origin? (Yes or No. If yes, specify.)			11. Decedent's Race(s)		12. Was Decedent Ever in U.S. Armed Forces? <input type="checkbox"/> Yes <input type="checkbox"/> No		
	13. Residence: Number and Street (e.g., 624 SE 5th Street, Apt. No. 8)				14. City/Town			
	15. Residence County		16. State or Foreign Country		17. Zip Code + 4		18. Inside City Limits? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
	19. Marital Status at Time of Death			20. Spouse's Name (If married or widowed, give name prior to first marriage.)				
	21. Usual Occupation (Indicate type of work done during most of working life. DO NOT USE "RETIRED.")				22. Kind of Business/Industry (DO NOT USE COMPANY NAME.)			
	23. Father's Name (First, Middle, Last, Suffix)				24. Mother's Name Prior to First Marriage (First, Middle, Last)			
	25. Informant's Name		26. Telephone Number	27. Relation to Decedent	28. Mailing Address (Number & Street, City/Town, State, Zip + 4)			
	29. Place of Death			30. Facility Name				
	31. Location of Death (Give address.)			32. City/Town or Location of Death		33. State	34. Zip Code + 4	
	35. Method of Disposition		36. Place of Disposition (Name of cemetery, crematory, or other place)		37. Location			
	38. Name and Complete Address of Funeral Facility (Number & Street, City/Town, State, Zip + 4)							
	39. Date of Disposition (MON DD YYYY)		40. Funeral Director's Signature			41. OR License Number		
	42. Registrar's Signature			43. Date Received (MON DD YYYY)		44. Local File Number		
	45. Record Amendment							
	<b>TO BE COMPLETED BY MEDICAL CERTIFIER</b>	46. Was case referred to Medical Examiner? <input type="checkbox"/> Yes <input type="checkbox"/> No	47. Autopsy? <input type="checkbox"/> Yes <input type="checkbox"/> No	48. Were autopsy findings available to complete the cause of death? <input type="checkbox"/> Yes <input type="checkbox"/> No		49. Time of Death		
		50. Enter the chain of events - diseases, injuries, or complications - that directly caused the death. DO NOT ENTER TERMINAL EVENTS such as cardiac arrest, respiratory arrest or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE.						Approximate Interval: Onset to Death
		Final disease or condition resulting in death -> Sequentially list conditions, if any, leading to the cause listed on line a. ENTER THE UNDERLYING CAUSE LAST (disease or injury that initiated the events resulting in death).		IMMEDIATE CAUSE ↓ a. Due to (or as a consequence of) ↓ b. Due to (or as a consequence of) ↓ c. Due to (or as a consequence of) ↓ d. Due to (or as a consequence of) ↓				
51. Other significant conditions contributing to death, but not resulting in the underlying cause given above:								
52. Manner of Death <input type="checkbox"/> Natural <input type="checkbox"/> Homicide <input type="checkbox"/> Accident <input type="checkbox"/> Undetermined <input type="checkbox"/> Suicide <input type="checkbox"/> Pending		53. If Female <input type="checkbox"/> Not pregnant within past year <input type="checkbox"/> Not pregnant, but pregnant 43 days to 1 year before death <input type="checkbox"/> Pregnant at time of death <input type="checkbox"/> Unknown if pregnant within the past year <input type="checkbox"/> Not pregnant, but pregnant within 42 days before death			54. Did tobacco use contribute to death? <input type="checkbox"/> Yes <input type="checkbox"/> Probably <input type="checkbox"/> No <input type="checkbox"/> Unknown			
55. Date of Injury (MON DD YYYY)		56. Time of Injury	57. Place of Injury (e.g., Decedent's home, construction site, restaurant, wooded area)			58. Injury at Work? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
59. Location of Injury (Number & Street, City/Town, State, Zip + 4)								
60. Describe how injury occurred.				61. If transportation injury, specify. <input type="checkbox"/> Driver/Operator <input type="checkbox"/> Passenger <input type="checkbox"/> Pedestrian <input type="checkbox"/> Other (Specify) _____				
62. Name and Address of Certifier (Number & Street, City/Town, State, Zip + 4)								
63. Name and Title of Attending Physician if Other than Certifier								
64. Title of Certifier			65. License Number		66. Date Signed (MON DD YYYY)			
67. Medical Certifier - To the best of my knowledge, death occurred at the time, date, and place, and due to the cause(s) and manner stated.				68. Medical Examiner - On the basis of examination, and/or investigation, in my opinion, death occurred at the time, date, and place, and due to the cause(s) and manner stated.				
69. Record Amendment								

*Do you want Oregon's most*

# Up-to-date info

*available from the*

## **Center for Health Statistics?**

On the web you can find the most recent data available - both preliminary and final tables.

Check out our **Web site**

<http://public.health.oregon.gov/BIRTHDEATHCERTIFICATES/VITALSTATISTICS/Pages/index.aspx>

**Are you looking for a specific table or report?**

### Vital Reports Data

**Births** Adequacy of prenatal care  
\*Final method of delivery by facility

**Deaths** Manner of death  
\*Age of decedent by county and zip code

**Teen Pregnancy** Pregnancy rates by county of residence  
\*Rolling pregnancy rate for past twelve months by county of residence

### Survey Data

**Adult Behavior Risk Survey - BRFSS**

**Oregon Healthy Teens Survey - OHT**

\*These reports (and many others) available only online.

Individual tables and chapters of the annual reports, county data book and survey data are made available on the Web as soon as finalized. The complete report (and paper edition) usually takes much longer to publish. Making the data available online increases the timeliness and decreases the cost of publications.



PUBLIC HEALTH DIVISION  
CENTER FOR PUBLIC HEALTH PRACTICE  
Center for Health Statistics

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