

Quick reference (Volume 2)

Summary of Oregon Vital Events, 2008

Population	3,791,075	The population increased 45,620, or 1.2 percent over 2007.
Death Number Rate	Residents 32,020 8.4	The number of deaths increased by 587. The rate did not change.
Infant deaths Number Rate	Residents 252 5.1	The number of infant death decreased by 26. The rate decreased by 8.9 percent.
Neonatal deaths Number Rate	Residents 155 3.2	The number of neonatal deaths decreased by 37. The rate decreased by 17.9 percent.
Maternal deaths Number Rate	Residents 5 10.2	Oregon's average maternal death rate 2004-2008 (13.4) was 19.0 percent lower than the average U.S. rate for 2004-2008 (18.7).
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., 1945-2008

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

See footnotes at end of table.

TABLE 5-1. Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, U.S., 1945-2008 — Continued

Year	Deaths		Maternal Deaths		Infant Deaths		Neonatal Deaths		Fetal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Ratio
1985	2,086,440	8.7	295	7.8	40,030	10.6	26,179	7.0	29,661	7.9
1986	2,105,361	8.7	272	7.2	38,891	10.4	25,212	6.7	28,972	7.7
1987	2,123,323	8.7	251	6.6	38,380	10.0	24,940	6.5	29,349	7.7
1988	2,167,999	8.8	330	8.4	38,910	10.0	24,690	6.3	29,442	7.5
1989	2,150,466	8.7	320	7.9	39,655	9.8	24,800	6.2	30,469	7.5
1990	2,148,463	8.6	343	8.2	38,351	9.2	23,920	5.8	31,386	7.5
1991	2,169,518	8.6	323	7.9	36,766	8.9	22,978	5.6	30,160	7.3
1992	2,175,613	8.5	318	7.8	34,628	8.5	21,849	5.4	30,256	7.4
1993	2,268,553	8.8	302	8.0	33,466	8.0	21,174	5.0	28,766	7.0
1994	2,278,994	8.8	328	8.3	31,710	8.0	20,250	5.1	27,937	7.1
1995	2,312,132	8.8	277	7.1	29,583	7.6	19,155	4.9	27,294	7.0
1996	2,314,690	8.7	294	7.6	28,487	7.3	18,572	4.8	27,069	7.0
1997	2,314,245	8.7	327	8.4	28,045	7.2	18,524	4.8	26,486	6.8
1998	2,338,070	8.7	281	7.1	28,496	7.2	18,832	4.8	26,702	6.7
1999	2,391,399	8.8	406	9.9	27,937	7.1	18,728	4.7	26,884	6.7
2000	2,403,351	8.7	404	9.8	28,035	6.9	18,776	4.6	27,003	6.6
2001	2,416,425	8.5	416	9.9	27,568	6.8	18,265	4.5	26,373	6.5
2002	2,443,387	8.5	379	9.4	28,034	7.0	18,747	4.7	25,943	6.4
2003	2,448,288	8.4	495	12.1	28,025	6.9	18,893	4.6	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	**	**
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	**	**

** Not available.

Rates per 1,000 population for deaths.

Rates per 100,000 live births for maternal deaths.

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

Ratios per 1,000 live births for fetal deaths.

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/>). Fetal death rates are from Health United States, 2005. (http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58_19.pdf).

MacDorman MF, Kirmeyer S. Fetal and Perinatal Mortality, United States, 2005. National Vital Statistics Reports; vol. 57 no 8. Hyattsville, MD: National Center for Health Statistics. 2009.

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

NOTE: Prior to 2006, the number of maternal deaths only included deaths that occurred during pregnancy or within 42 days of delivery. Since 2006, the number of maternal deaths includes deaths that occurred during pregnancy or within one year of delivery.

TABLE 5-2. Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, Oregon, 1910, 1915, 1920, 1925, 1930, 1935, 1940, 1945, 1950, 1955, 1960-2008

Year	Deaths		Maternal Deaths		Infant Deaths		Neonatal Deaths		Fetal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Ratio
1910	6,089	9.0	91	992.0	733	79.9	-	-	-	-
1915	6,718	9.1	74	605.0	583	47.6	-	-	-	-
1920	9,186	11.6	112	749.0	927	61.9	-	-	-	-
1925	9,596	10.9	95	610.0	787	50.5	-	-	-	-
1930	10,544	11.0	81	601.0	671	49.8	-	-	390	28.9
1935	11,429	11.2	72	548.0	537	40.8	-	-	300	22.8
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

See footnotes at end of table.

TABLE 5-2. Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths, Oregon, 1910, 1915, 1920, 1925, 1930, 1935, 1940, 1945, 1950, 1955, 1960-2008 — Continued

Year	Deaths		Maternal Deaths		Infant Deaths		Neonatal Deaths		Fetal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Ratio
1990	25,073	8.8	3	7.0	354	8.3	182	4.2	262	6.1
1991	24,935	8.5	3	7.0	307	7.2	172	4.0	261	6.1
1992	25,714	8.6	3	7.2	297	7.1	158	3.8	243	5.8
1993	27,596	9.1	7	16.8	297	7.1	154	3.7	204	4.9
1994	27,361	8.9	4	9.6	295	7.1	164	3.9	224	5.4
1995	28,190	9.0	0	0.0	262	6.1	137	3.2	237	5.5
1996	28,900	9.1	2	4.6	244	5.6	145	3.3	251	5.8
1997	28,750	8.9	5	11.4	256	5.8	157	3.6	235	5.4
1998	29,346	9.0	5	11.1	246	5.4	143	3.2	208	4.6
1999	29,356	8.9	3	6.6	261	5.8	191	4.2	216	4.8
2000	29,541	8.6	4	8.7	255	5.6	165	3.6	201	4.4
2001	30,128	8.7	3	6.6	245	5.4	158	3.5	205	4.5
2002	31,082	8.9	3	6.6	260	5.8	172	3.8	222	4.9
2003	30,813	8.7	1	2.2	256	5.6	173	3.8	184	4.0
2004	30,201	8.4	6	13.1	252	5.5	178	3.9	184	4.0
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

- Data not available.

** Incomplete total; ratio not calculated.

Rates per: 1,000 population for deaths; 100,000 live births for maternal deaths; 1,000 live births for infant and neonatal deaths; 1,000 live birth for fetal deaths.

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

NOTE: Prior to 2006, the number of maternal deaths only included deaths that occurred during pregnancy or within 42 days of delivery. Since 2006, the number of maternal deaths includes deaths that occurred during pregnancy or within one year of delivery.

**TABLE 5-3. Deaths, Infant Deaths, Neonatal Deaths, and Fetal Deaths,
by County of Residence, Oregon, 2008**

County of Residence	Deaths		Infant Deaths		Neonatal Deaths		Fetal deaths	
	Number	Rate ¹	Number	Rate ²	Number	Rate ²	Number	Ratio ³
Total	32,020	8.4	252	5.1	155	3.2	212	4.3
Baker	194	§ 11.8	4	20.7	2	10.4	–	–
Benton	511	§ 5.9	1	1.4	1	1.4	3	4.1
Clackamas	2,975	§ 7.9	14	3.3	9	2.1	17	4.0
Clatsop	388	§ 10.3	4	8.8	3	6.6	2	4.4
Columbia	410	8.5	–	–	–	–	5	9.0
Coos	843	§ 13.3	1	1.5	–	–	4	6.1
Crook	204	7.6	–	–	–	–	2	9.0
Curry	384	§ 17.9	1	7.1	1	7.1	–	–
Deschutes	1,156	§ 6.9	11	5.7	9	4.6	4	2.1
Douglas	1,305	§ 12.4	6	5.2	4	3.5	9	7.8
Gilliam	20	10.6	–	–	–	–	–	–
Grant	65	8.6	1	16.1	1	16.1	1	16.1
Harney	66	8.6	–	–	–	–	–	–
Hood River	189	8.7	1	3.4	–	–	1	3.4
Jackson	2,049	§ 10.0	10	4.1	6	2.5	10	4.1
Jefferson	194	8.6	7	18.6	2	5.3	1	2.7
Josephine	1,126	§ 13.5	5	5.5	5	5.5	5	5.5
Klamath	712	§ 10.8	3	3.5	3	3.5	1	1.2
Lake	80	10.5	1	13.3	–	–	–	–
Lane	3,116	§ 9.0	27	7.1	15	4.0	14	3.7
Lincoln	552	§ 12.3	1	2.1	1	2.1	1	2.1
Linn	1,127	§ 10.2	7	4.8	4	2.7	5	3.4
Malheur	287	9.1	1	1.8	–	–	4	7.4
Marion	2,704	8.6	40	8.0	23	4.6	14	2.8
Morrow	81	§ 6.5	–	–	–	–	–	–
Multnomah	5,362	§ 7.5	47	4.6	32	3.1	64	6.2
Polk	658	§ 9.6	4	4.2	1	1.1	3	3.2
Sherman	23	12.5	–	–	–	–	–	–
Tillamook	280	§ 10.7	4	15.2	2	7.6	3	11.4
Umatilla	667	§ 9.2	6	5.4	3	2.7	4	3.6
Union	240	9.5	1	3.0	–	–	2	6.1
Wallowa	88	§ 12.4	2	29.9	2	29.9	–	–
Wasco	308	§ 12.7	2	6.8	1	3.4	1	3.4
Washington	2,910	§ 5.6	35	4.5	20	2.6	27	3.5
Wheeler	18	11.4	–	–	–	–	1	125.0
Yamhill	728	§ 7.7	5	4.0	5	4.0	4	3.2

– Quantity is zero.

§ Indicates rate is statistically significantly different from the state.

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

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

1 Rates per 1,000 population for deaths.

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

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

TABLE 5-4. Population and Deaths by City of Residence, Oregon, 2008

City of Residence	Estimated Population July 1, 2008	Deaths	
		Number	Rate
Albany (Linn, Benton)	48,770	414	8.5
Ashland (Jackson)	21,485	178	8.3
Astoria (Clatsop)	10,080	105	10.4
Baker City (Baker)	10,140	120	11.8
Beaverton (Washington)	86,205	683	7.9
Bend (Deschutes)	80,995	493	6.1
Canby (Clackamas)	15,165	144	9.5
Central Point (Jackson)	17,160	153	8.9
Coos Bay (Coos)	16,670	215	12.9
Corvallis (Benton)	54,880	328	6.0
Dallas (Polk)	15,360	184	12.0
Eugene (Lane)	154,620	1,204	7.8
Forest Grove (Washington)	21,465	218	10.2
Gladstone (Clackamas)	12,215	113	9.3
Grants Pass (Josephine)	32,260	478	14.8
Gresham (Multnomah)	100,655	502	5.0
Hermiston (Umatilla)	16,080	129	8.0
Hillsboro (Washington)	89,285	411	4.6
Keizer (Marion)	36,150	265	7.3
Klamath Falls (Klamath)	21,305	223	10.5
La Grande (Union)	12,935	141	10.9
Lake Oswego (Clackamas, Multnomah, Washington)	36,590	306	8.4
Lebanon (Linn)	15,185	197	13.0
McMinnville (Yamhill)	32,400	293	9.0
Medford (Jackson)	76,850	789	10.3
Milwaukie (Clackamas)	20,915	481	23.0
Newberg (Yamhill)	22,645	159	7.0
Newport (Lincoln)	10,580	91	8.6
Ontario (Malheur)	11,435	126	11.0
Oregon City (Clackamas)	30,405	286	9.4
Pendleton (Umatilla)	17,295	164	9.5
Portland (Clackamas, Multnomah, Washington)	575,931	4,747	8.2
Redmond (Deschutes)	25,445	166	6.5
Roseburg (Douglas)	21,235	268	12.6
Salem (Marion, Polk)	154,510	1,421	9.2
Springfield (Lane)	58,005	552	9.5
St. Helens (Columbia)	12,325	102	8.3
The Dalles (Wasco)	13,170	195	14.8
Tigard (Washington)	47,150	318	6.7
Troutdale (Multnomah)	15,465	112	7.2
Tualatin (Clackamas, Washington)	26,040	129	5.0
West Linn (Clackamas)	24,400	134	5.5
Wilsonville (Clackamas, Washington)	17,940	153	8.5
Woodburn (Marion)	23,355	222	9.5

Selected cities of 10,000 or more population listed. Death numbers only include decedents who resided within city limits. Counties listed in parentheses.

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

Rate per 1,000 population.