
APPENDIX A: POPULATION

Appendix A: Population

Table A-1. Population Distribution by Age and Sex, Oregon, 1950, 1960, 1970, 1975, 1980, 1985, 1990, 1995-2010

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	115,314	114,532	109,361	106,964	101,281	116,723	128,027	130,894	116,149	85,147	64,015	53,857	56,309	50,528	75,093
F	1,588,867	112,645	110,199	108,128	104,234	101,358	98,287	115,393	130,246	133,207	116,231	85,516	65,944	59,567	65,119	63,284	119,509
1996	3,181,000	233,523	227,533	223,118	221,021	210,106	204,872	226,069	258,725	266,757	248,215	175,889	137,004	114,195	120,260	113,338	200,375
M	1,566,932	119,872	116,490	114,560	112,700	108,335	103,960	114,107	128,330	132,074	123,879	87,740	67,582	54,443	55,793	50,378	76,689
F	1,614,068	113,651	111,043	108,558	108,321	101,771	100,912	111,962	130,395	134,683	124,336	88,149	69,422	59,752	64,467	62,960	123,686
1997	3,217,000	231,023	229,318	223,940	229,066	216,134	206,595	219,687	255,281	269,136	249,316	192,710	142,154	115,901	118,342	113,382	205,015
M	1,585,778	118,672	117,666	114,812	117,278	110,995	104,822	110,989	126,785	133,109	124,192	96,123	70,037	55,565	54,885	50,545	79,303
F	1,631,222	112,351	111,652	109,128	111,788	105,139	101,773	108,698	128,496	136,027	125,124	96,587	72,117	60,336	63,457	62,837	125,712
1998	3,267,550	216,270	225,755	233,772	238,498	205,409	208,599	227,758	264,229	278,458	254,656	201,902	149,998	123,399	117,429	110,808	210,610
M	1,616,250	110,610	115,817	120,141	123,211	105,811	105,501	113,540	132,531	140,697	128,089	100,799	72,906	59,060	54,968	49,739	82,830
F	1,651,300	105,660	109,938	113,631	115,287	99,598	103,098	114,218	131,698	137,761	126,567	101,103	77,092	64,339	62,461	61,069	127,780
1999	3,300,800	219,527	226,789	235,796	243,007	209,296	206,740	222,194	259,743	276,330	259,973	211,826	160,646	128,037	115,151	110,524	215,221
M	1,629,897	112,126	116,290	121,080	125,200	107,042	103,662	110,184	129,946	139,523	130,560	105,568	78,041	61,304	53,926	50,053	85,393
F	1,670,903	107,401	110,499	114,716	117,807	102,255	103,077	112,010	129,797	136,807	129,413	106,258	82,606	66,733	61,225	60,471	129,828

Table A-1. Population Distribution by Age and Sex, Oregon, 1950, 1960, 1970, 1975, 1980, 1985, 1990, 1995-2010

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

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, 2010

County	Total Population (Both Sexes)																			
	All Ages	0-4	5-9	10-14	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
OREGON	3,823,465	234,264	242,941	252,279	154,594	102,328	257,279	268,905	260,018	260,600	254,360	264,346	274,059	270,212	229,225	166,234	116,226	87,471	69,697	79,158
BAKER	16,440	833	813	920	579	383	787	871	800	975	1,032	1,138	1,346	1,335	1,144	971	814	631	497	570
BENTON	87,000	3,884	4,163	4,590	4,827	3,195	12,452	6,448	5,841	5,482	4,789	5,061	5,575	5,885	4,720	3,134	2,086	1,712	1,335	1,821
CLACKAMAS	381,775	24,132	23,080	26,540	15,885	10,514	25,470	27,546	24,438	24,059	24,537	27,068	29,118	28,095	23,618	17,018	10,630	7,340	5,811	6,874
CLATSOP	37,860	1,960	2,088	2,329	1,561	1,033	2,373	2,458	2,128	2,042	2,101	2,657	2,980	3,304	2,723	1,900	1,420	1,074	851	877
COLUMBIA	48,620	3,006	2,838	3,385	2,141	1,417	3,101	2,849	2,451	2,846	3,212	3,647	3,914	3,857	3,188	2,415	1,586	1,113	833	822
COOS	62,930	2,805	3,236	3,667	2,439	1,614	3,271	3,464	3,047	3,183	3,452	4,351	5,077	5,325	4,911	4,067	3,141	2,389	1,785	1,708
CROOK	27,280	1,816	1,551	1,996	1,187	786	1,727	1,941	1,677	1,668	1,584	1,659	1,912	1,813	1,785	1,305	1,070	761	562	480
CURRY	21,160	817	827	983	669	443	937	947	755	762	952	1,372	1,680	1,803	1,826	1,771	1,545	1,167	908	997
DESCHUTES	172,050	9,812	9,889	10,859	6,051	4,005	9,462	11,638	11,427	11,832	11,388	12,392	13,389	13,310	12,049	8,772	5,833	3,920	2,962	3,061
DOUGLAS	105,240	5,733	5,731	6,536	3,958	2,620	6,039	6,612	5,587	5,390	5,824	6,828	8,005	8,265	7,567	5,998	4,722	3,928	3,030	2,867
GILLIAM	1,885	76	99	101	72	48	92	104	83	94	108	132	177	163	135	101	96	72	61	73
GRANT	7,510	420	352	450	322	213	345	477	335	376	404	537	624	640	570	456	355	259	181	193
HARNEY	7,720	395	423	444	324	215	480	416	330	374	440	606	675	626	544	427	354	276	182	189
HOOD RIVER	21,850	1,445	1,583	1,503	930	616	1,281	1,315	1,302	1,489	1,472	1,592	1,712	1,591	1,166	845	588	496	394	531
JACKSON	207,745	12,675	11,943	13,186	8,351	5,527	13,761	13,605	12,394	11,960	11,851	13,470	14,809	15,520	14,032	10,684	7,528	6,086	4,876	5,487
JEFFERSON	22,865	1,670	1,698	1,719	1,011	669	1,436	1,392	1,294	1,359	1,422	1,536	1,479	1,454	1,357	1,132	920	601	408	308
JOSEPHINE	83,600	4,483	4,182	4,916	3,202	2,120	4,652	4,847	4,008	4,105	4,511	5,376	6,302	6,879	6,514	5,336	3,897	3,214	2,432	2,625
KLAMATH	66,475	4,173	4,286	4,497	2,806	1,857	4,413	4,276	3,958	3,999	3,878	4,349	4,445	4,696	4,344	3,304	2,505	1,970	1,435	1,286
LAKE	7,570	387	397	413	298	197	381	458	370	419	405	509	633	644	552	457	360	280	207	202
LANE	348,550	18,359	19,043	20,846	14,467	9,576	29,647	24,420	23,038	22,468	21,112	22,512	24,007	25,755	22,133	15,789	11,340	8,652	7,223	8,162
LINCOLN	44,620	2,017	2,179	2,380	1,474	976	2,158	2,296	2,198	2,407	2,626	3,047	3,563	4,124	3,819	2,824	2,214	1,837	1,288	1,192
LINN	111,355	7,258	7,241	7,885	4,642	3,073	6,711	7,172	6,587	6,647	6,803	7,449	7,766	7,757	6,887	5,477	3,880	2,959	2,408	2,755
MALHEUR	31,865	1,768	2,288	2,348	1,364	903	1,881	2,172	2,437	2,078	2,115	2,170	2,071	2,045	1,625	1,335	985	778	668	834
MARION	320,640	22,099	23,413	23,632	13,753	9,103	22,007	24,590	22,805	21,355	20,759	20,934	20,737	19,542	16,750	12,283	8,691	6,621	5,382	6,184
MORROW	12,595	1,019	855	1,052	578	383	776	904	791	829	757	843	916	811	655	489	355	261	171	151
MULTNOMAH	730,140	43,373	47,767	44,107	26,050	17,243	46,076	54,811	58,768	61,133	56,355	53,314	52,501	50,354	39,693	25,785	17,288	12,654	10,647	12,221
POLK	69,145	4,478	4,150	4,447	2,993	1,981	5,497	5,271	4,877	3,637	3,771	4,135	4,499	4,838	4,106	3,030	2,124	1,790	1,397	2,124
SHERMAN	1,825	80	81	110	70	46	105	76	60	70	90	143	168	160	136	112	88	72	80	78
TILLAMOOK	26,170	1,070	1,253	1,306	946	626	1,327	1,724	1,369	1,203	1,379	1,730	2,094	2,259	2,183	1,797	1,338	999	799	768
UMATILLA	72,720	4,723	4,846	5,326	3,224	2,134	4,626	5,098	4,586	4,641	4,685	5,068	5,008	4,929	3,954	2,936	2,257	1,653	1,418	1,608
UNION	25,495	1,551	1,648	1,631	1,192	789	2,433	1,610	1,379	1,381	1,264	1,407	1,631	1,832	1,600	1,231	950	746	544	675
WALLOWA	7,085	334	293	387	249	165	420	433	268	307	289	447	569	767	586	446	342	280	231	272
WASCO	24,280	1,513	1,519	1,728	1,000	662	1,295	1,389	1,328	1,295	1,374	1,582	1,838	1,869	1,755	1,234	949	741	581	627
WASHINGTON	532,620	37,908	40,896	39,519	21,889	14,489	33,032	37,431	39,773	42,698	41,217	38,493	35,972	31,710	25,540	17,458	11,396	8,136	6,457	8,606
WHEELER	1,590	72	58	87	56	37	44	61	55	67	102	117	105	132	113	140	113	90	72	68
YAMHILL	95,925	6,121	6,232	6,457	4,034	2,670	6,783	7,782	7,477	5,968	6,299	6,674	6,763	6,126	4,946	3,774	2,468	1,912	1,578	1,862

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, 2010

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	1,907,023	119,877	124,756	128,586	79,128	52,376	131,630	137,945	133,304	134,776	130,976	132,766	134,433	132,948	113,164	80,525	55,185	39,069	28,865	28,029
BAKER	8,258	426	421	485	305	202	413	468	411	483	505	535	674	693	556	488	413	326	242	212
BENTON	43,020	1,987	2,140	2,292	2,487	1,646	6,160	3,385	3,283	2,811	2,293	2,309	2,596	2,920	2,331	1,472	971	749	549	637
CLACKAMAS	188,976	12,349	11,813	13,578	8,183	5,417	13,246	14,440	12,290	11,753	11,945	13,154	14,006	13,547	11,832	8,532	5,125	3,229	2,299	2,237
CLATSOP	18,835	1,003	1,088	1,195	811	537	1,286	1,345	1,093	991	1,024	1,281	1,413	1,636	1,386	902	671	489	355	326
COLUMBIA	24,551	1,538	1,474	1,766	1,102	729	1,594	1,393	1,126	1,328	1,546	1,808	2,025	2,013	1,641	1,312	889	569	383	316
COOS	30,740	1,435	1,634	1,794	1,240	821	1,701	1,779	1,557	1,626	1,732	2,071	2,330	2,503	2,323	1,930	1,577	1,168	831	690
CROOK	13,740	929	767	961	600	397	956	1,076	830	805	764	800	939	905	901	694	567	381	281	188
CURRY	10,337	418	433	504	334	221	465	451	352	368	486	645	775	858	791	813	804	633	491	496
DESCHUTES	86,161	5,021	4,959	5,364	3,131	2,073	5,039	6,059	5,953	6,094	5,597	5,948	6,301	6,499	5,952	4,407	3,045	1,984	1,419	1,317
DOUGLAS	51,755	2,934	2,942	3,349	2,069	1,369	3,139	3,319	2,724	2,565	2,698	3,184	3,800	4,081	3,804	2,886	2,299	1,930	1,449	1,216
GILLIAM	976	39	60	68	42	28	50	56	34	41	55	69	90	86	74	44	46	35	27	32
GRANT	3,772	215	173	227	177	117	185	243	139	148	197	257	307	349	314	235	176	138	90	86
HARNEY	4,013	202	237	260	175	116	263	227	147	159	233	337	366	329	284	227	163	128	88	71
HOOD RIVER	10,996	739	804	714	444	294	628	711	714	752	778	826	877	853	611	415	275	225	155	179
JACKSON	100,516	6,486	6,178	6,750	4,182	2,768	6,869	6,638	5,850	5,708	5,616	6,232	6,858	7,572	6,902	5,185	3,672	2,812	2,114	2,124
JEFFERSON	11,666	854	840	863	522	345	752	743	623	671	755	814	743	720	680	545	490	336	219	150
JOSEPHINE	40,534	2,294	2,144	2,548	1,689	1,118	2,431	2,417	1,867	1,929	2,111	2,455	2,912	3,215	3,044	2,526	1,936	1,618	1,170	1,112
KLAMATH	33,607	2,135	2,204	2,335	1,510	999	2,425	2,302	2,009	1,942	1,855	2,113	2,131	2,309	2,247	1,682	1,275	948	651	534
LAKE	3,848	198	220	225	159	105	197	217	172	188	192	243	301	336	300	243	193	148	118	94
LANE	171,247	9,395	9,780	10,658	7,321	4,846	14,574	12,246	12,004	11,654	10,576	10,873	11,358	12,537	10,924	7,627	5,350	3,734	2,849	2,942
LINCOLN	21,384	1,032	1,190	1,325	774	513	1,099	1,225	1,156	1,189	1,250	1,374	1,584	1,870	1,700	1,251	997	827	565	463
LINN	54,951	3,714	3,695	4,023	2,356	1,560	3,423	3,667	3,221	3,301	3,379	3,656	3,895	3,814	3,377	2,661	1,813	1,337	1,029	1,030
MALHEUR	18,458	905	1,141	1,168	714	473	997	1,371	1,720	1,447	1,451	1,457	1,323	1,186	892	726	500	369	308	310
MARION	164,620	11,308	12,047	11,953	6,996	4,631	11,732	13,518	12,727	12,067	11,623	11,241	10,388	9,613	8,146	5,739	3,894	2,740	2,102	2,153
MORROW	6,660	521	438	571	308	204	402	491	425	420	368	453	495	432	350	259	205	157	95	65
MULTNOMAH	363,595	22,195	24,518	22,329	13,192	8,732	23,113	26,865	29,128	31,961	30,133	28,016	26,677	25,156	19,766	12,141	7,529	4,978	3,725	3,442
POLK	33,408	2,291	2,130	2,259	1,576	1,043	2,854	2,492	2,286	1,778	1,791	1,927	2,084	2,298	2,044	1,504	996	761	583	711
SHERMAN	948	41	38	51	34	23	54	42	31	33	37	73	93	83	71	57	53	44	44	46
TILLAMOOK	13,535	548	672	749	525	348	712	1,013	790	645	750	901	1,034	1,101	1,015	852	660	502	414	304
UMATILLA	38,468	2,417	2,469	2,731	1,689	1,118	2,454	2,891	2,603	2,538	2,628	2,845	2,737	2,646	2,124	1,544	1,085	740	600	610
UNION	12,329	793	835	813	594	393	1,213	789	652	683	571	589	769	902	794	632	472	355	255	225
WALLOWA	3,660	171	168	232	142	94	217	232	132	128	125	198	277	417	316	236	182	146	119	129
WASCO	12,082	774	800	932	505	334	638	717	655	626	661	751	929	959	878	636	457	306	256	269
WASHINGTON	266,172	19,398	21,127	20,162	11,126	7,364	16,919	19,174	20,464	22,489	21,696	19,619	17,725	15,228	12,157	8,144	5,162	3,332	2,298	2,585
WHEELER	808	37	31	53	35	23	25	24	21	33	45	52	45	61	62	78	53	49	45	36
YAMHILL	49,712	3,132	3,145	3,298	2,082	1,378	3,407	3,921	4,115	3,421	3,512	3,663	3,574	3,219	2,575	1,898	1,190	844	646	691

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, 2010

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	1,907,023	114,387	118,185	123,693	75,466	49,952	125,649	130,960	126,715	125,824	123,384	131,580	139,625	137,264	116,060	85,709	61,041	48,402	40,833	51,129
BAKER	8,182	407	391	435	274	181	375	403	389	493	527	603	673	642	588	483	401	305	255	359
BENTON	43,980	1,896	2,024	2,298	2,340	1,549	6,292	3,063	2,558	2,671	2,497	2,752	2,979	2,964	2,389	1,662	1,114	962	787	1,184
CLACKAMAS	192,799	11,783	11,267	12,962	7,702	5,098	12,224	13,106	12,148	12,306	12,592	13,914	15,112	14,548	11,786	8,486	5,505	4,111	3,512	4,637
CLATSOP	19,025	957	1,000	1,134	750	497	1,088	1,114	1,035	1,050	1,077	1,376	1,567	1,667	1,337	997	749	585	496	551
COLUMBIA	24,069	1,468	1,364	1,619	1,039	688	1,507	1,456	1,325	1,519	1,666	1,839	1,889	1,844	1,547	1,103	697	544	450	506
COOS	32,190	1,370	1,602	1,873	1,199	794	1,570	1,684	1,490	1,557	1,720	2,281	2,747	2,822	2,588	2,137	1,564	1,221	954	1,017
CROOK	13,540	887	784	1,035	588	389	771	865	847	863	820	859	973	909	884	611	503	380	281	291
CURRY	10,823	399	394	478	335	222	472	496	404	394	466	727	905	945	1,034	958	741	534	417	501
DESCHUTES	85,889	4,791	4,930	5,494	2,920	1,932	4,423	5,579	5,474	5,738	5,792	6,445	7,087	6,811	6,097	4,365	2,789	1,936	1,543	1,744
DOUGLAS	53,485	2,799	2,789	3,187	1,889	1,251	2,900	3,294	2,864	2,825	3,126	3,645	4,205	4,184	3,763	3,112	2,423	1,998	1,581	1,650
GILLIAM	909	37	39	32	30	20	42	48	49	53	53	63	87	76	61	57	50	37	34	42
GRANT	3,738	205	179	223	145	96	160	234	196	228	207	280	317	291	257	221	179	122	91	107
HARNEY	3,707	193	185	185	149	99	217	190	183	214	207	269	309	297	259	200	191	148	93	118
HOOD RIVER	10,854	705	779	789	486	321	653	603	587	737	693	767	835	738	556	430	313	271	240	352
JACKSON	107,229	6,189	5,765	6,436	4,169	2,760	6,891	6,967	6,544	6,252	6,235	7,238	7,951	7,948	7,130	5,499	3,856	3,274	2,762	3,364
JEFFERSON	11,199	815	857	856	489	324	684	649	671	688	667	723	736	734	678	587	430	265	189	158
JOSEPHINE	43,066	2,189	2,037	2,368	1,513	1,002	2,221	2,430	2,141	2,176	2,400	2,921	3,390	3,665	3,470	2,811	1,961	1,595	1,263	1,513
KLAMATH	32,868	2,038	2,081	2,161	1,296	858	1,988	1,975	1,948	2,057	2,023	2,236	2,313	2,387	2,097	1,621	1,229	1,022	784	753
LAKE	3,722	189	177	188	139	92	184	241	197	230	213	266	332	307	251	215	167	133	90	108
LANE	177,303	8,964	9,263	10,188	7,146	4,730	15,073	12,174	11,034	10,814	10,536	11,640	12,649	13,217	11,209	8,162	5,990	4,918	4,375	5,220
LINCOLN	23,236	985	990	1,055	700	463	1,059	1,071	1,042	1,218	1,377	1,673	1,979	2,253	2,119	1,573	1,217	1,010	723	729
LINN	56,404	3,544	3,545	3,861	2,286	1,513	3,288	3,505	3,366	3,346	3,425	3,793	3,871	3,943	3,510	2,815	2,066	1,622	1,379	1,726
MALHEUR	13,407	863	1,148	1,179	650	430	885	801	717	631	663	712	748	859	733	610	485	409	360	524
MARION	156,020	10,790	11,366	11,679	6,757	4,472	10,274	11,072	10,078	9,288	9,136	9,693	10,348	9,928	8,603	6,544	4,797	3,882	3,280	4,030
MORROW	5,935	498	416	481	271	179	374	413	366	409	389	391	421	378	305	229	150	103	77	86
MULTNOMAH	366,545	21,178	23,249	21,778	12,858	8,511	22,964	27,946	29,639	29,172	26,222	25,298	25,825	25,198	19,927	13,644	9,759	7,677	6,923	8,779
POLK	35,737	2,186	2,020	2,188	1,418	938	2,644	2,779	2,591	1,860	1,981	2,208	2,414	2,540	2,062	1,525	1,128	1,028	813	1,413
SHERMAN	877	39	42	59	36	24	51	34	28	37	53	69	75	77	65	55	36	29	36	32
TILLAMOOK	12,635	523	582	557	420	278	615	711	579	558	629	829	1,060	1,158	1,168	945	678	497	385	463
UMATILLA	34,252	2,306	2,377	2,595	1,535	1,016	2,172	2,207	1,983	2,103	2,057	2,224	2,270	2,283	1,830	1,392	1,171	913	818	998
UNION	13,166	757	814	818	598	396	1,220	821	728	698	693	818	862	930	806	599	478	391	289	450
WALLOWA	3,425	163	125	155	108	71	203	201	136	179	165	249	293	350	270	210	160	133	111	143
WASCO	12,198	739	719	796	496	328	657	672	673	668	713	830	910	910	878	598	492	435	325	358
WASHINGTON	266,448	18,510	19,769	19,357	10,764	7,125	16,113	18,256	19,308	20,209	19,521	18,873	18,247	16,482	13,383	9,313	6,234	4,804	4,158	6,021
WHEELER	782	35	28	34	21	14	19	37	34	35	57	65	61	70	51	62	60	41	27	32
YAMHILL	46,213	2,989	3,087	3,158	1,952	1,292	3,376	3,861	3,362	2,547	2,787	3,012	3,189	2,907	2,370	1,875	1,278	1,068	932	1,172

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

APPENDIX B: TECHNICAL NOTES

Appendix B: Technical notes - definitions

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.¹
- **Low Birthweight Infant** is a live born infant with a birthweight of less than 5 pounds, 8 ounces (2,500 grams) as reported on the birth certificate.
- **Birth rate per 1,000 men** is the number of births per 1,000 males in Oregon. In computing birth rates by age of father, 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

¹Vital 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.

Appendix B: Technical notes - methodology

"That, sir, is the good of counting; it brings everything to a certainty, which before floated in the mind indefinitely."

— Samuel Johnson

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.

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

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 only as careful approximations and interpreted only within the framework of statistical safeguards developed to take sampling variability into account.

Some rates in this 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. This may greatly affect the estimation of rates. To minimize the potential bias inherent in such estimates, unknown events in some cases (Table 4-1) are assigned to the categories of analysis proportional to the distribution of known events. In this way, rates calculated for subsets (e.g., “abortions per thousand teen females”) are, on average, less affected by incomplete data.

Estimation of the cumulative proportion of females who have experienced an abortion

This figure is estimated by tracing the abortion experience of a specific cohort of females over an extended time period. In the table on the previous page, an approximation of the “cumulative total” of first-time abortions by one of the cohorts may be obtained by summing the figures in the boxed area.

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 figure 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

Pregnancy estimates are based upon the estimated number of teen births and induced terminations among Oregon teens; they do not include the number of fetal deaths or miscarriages (spontaneous abortions) which occur. The estimation of teen births is considered to be relatively complete and includes births to resident teens even when they occur out-of-state. The estimation of teen abortions is based on all reported abortions to teenage residents of Oregon; 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, estimates of teen abortions and teen pregnancies should be considered minimal in nature.

Furthermore, because estimates of abortion for teens 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 Termination 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 county on an annual basis. Because estimated rates based on a small population may vary greatly due to chance factors, rates of teen pregnancy, birth, and abortion were calculated for these age groups only if there were 50 or more female residents of the appropriate age group in the county. Similarly, rates for 15- to 19-year-olds were calculated whenever a county had 50 or more female residents in this age group.

Great caution must be taken in the use of pregnancy statistics associated with females under 15 years of age. This is due to the fact that 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 1990, Oregon’s birth rate for all teens (regardless of race or ethnic affiliation) was 9 percent lower than that of the U.S. and, among all 50 states, it had the 24th 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 7 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.

Teen Birth Rates, U.S. vs. Oregon, Ages 15-19, 2008		
Race/Ethnicity	Birth Rate ¹	
	U.S.	Oregon
TOTAL*	41.5	34.0
Non-hispanic whites	26.7	26.7

¹ All rates per 1,000 females ages 15-19.
* All races and ethnicities combined.

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.¹

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

Who should be counted?

If you are a hospital planner who is deciding to expand or contract delivery services, you want to count the number of births 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 that both of these data needs can be met.

Occurrence data:

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

Residence data:

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

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

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

Step 2: Making the number meaningful with rates and ratios

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

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

Here is an example:

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

the number of people
who could have died

a number chosen by vital
statisticians to improve the
ease of 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 that 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.” For example, a statistician will say, “We are 95% sure that the true infant death rate for Oregon in 1986 was 9.47 ± 0.97 ; that is, it lies somewhere between 8.50 and 10.44.” If two rates have overlapping confidence intervals, then the difference between them may be due to this chance variation. In other words the difference is not statistically significant.

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

Small numbers

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

CLATSOP COUNTY			
YEAR	BIRTHS	INFANT DEATHS	INFANT DEATH RATES
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
2001-2005	1,987	16	8.1

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

Changes in measurement

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

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

group indicates that all these rates decreased. This apparent contradiction is explained by the fact that in 1960 a larger proportion of the population was older. Because the risk of death is higher in older persons, the crude death rate increased.

	1950	1960
Crude death rate	9.1	9.5
Age-specific death rates		
0-4	5.9	5.7
5-14	0.6	0.4
15-24	1.5	1.1
25-44	2.4	2.1
45-64	11.1	10.6
65+	58.4	56.8

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

Step 4: Analyzing the data

The first three steps have been fairly mechanical:

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

NOW the vital statistician must begin to ask the difficult questions. If we find that two rates are statistically significantly different, how can we find out why they are different? If the differences that 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, the staff of the Center for Health Statistics are available for data users who need assistance.

Endnote

¹ A more complete and accurate estimate of pregnancies based on outcomes would include: (1) births; (2) fetal deaths (stillbirths); (3) induced abortions; and (4) spontaneous abortions (miscarriages). However, fetal deaths occur in less than 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: $\frac{\text{All Resident Births}}{\text{Female Population Aged 15-44}}$

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

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

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

$$5. \text{ FETAL DEATH RATIO} = \frac{\text{Resident Fetal Deaths (350+ grams Birthweight)}}{\text{Resident Live Births}} \times 1,000$$

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

$$6. \text{ FETAL DEATH RATE} = \frac{\text{Resident Fetal Deaths (350+ grams Birthweight)}}{\text{Resident Live Births} + \text{Resident Fetal Deaths}} \times 1,000$$

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

$$7. \text{ PERINATAL DEATH RATE} = \frac{\text{Resident Neonatal Deaths} + \text{Resident Fetal Deaths (350+ grams Birthweight)}}{\text{Resident Live Births} + \text{Resident Fetal Deaths}} \times 1,000$$

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

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.

$$8. \text{ ABORTION RATIO} = \frac{\text{Resident Abortions}}{\text{Resident Births}} \times 1,000 \text{ or } \frac{\text{Occurrence Abortions}}{\text{Occurrence Births}} \times 1,000$$

$$\text{Oregon, 1994, Occurrence} = \frac{13,392}{43,591} \times 1,000 = 307.2$$

$$9. \text{ ABORTION RATE} = \frac{\text{Resident Abortions or Occurrence Abortions}}{\text{Female Resident Population Aged 15-44}} \times 1,000$$

$$\begin{aligned} \text{Oregon 1994, Occurrence} \\ \text{with total adjusted} \\ \text{for unknown ages} \end{aligned} = \frac{13,300}{682,428} \times 1,000 = 19.5$$

DEATHS:

$$10. \text{ (CRUDE) DEATH RATE} = \frac{\text{Resident Deaths}}{\text{Population}} \times 1,000$$

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

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

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

$$12. \text{ NEONATAL DEATH RATE} = \frac{\text{Resident Neonatal Deaths}}{\text{Resident Births}} \times 1,000$$

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

$$13. \text{ POSTNEONATAL DEATH RATE} = \frac{\text{Resident Postneonatal Deaths}}{\text{Resident Births}} \times 1,000$$

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

$$14. \text{ CAUSE-SPECIFIC DEATH RATE} = \frac{\text{Resident Deaths Due to Specific Cause}}{\text{Population}} \times 100,000$$

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

$$15. \text{ AGE AND SEX-SPECIFIC DEATH RATE} = \frac{\text{Resident Deaths in Age-Sex Category}}{\text{Population in Age-Sex Population}} \times 1,000$$

$$\text{Oregon, 1994, Males Aged 5-14} = \frac{63}{225,880} \times 100,000 = 27.9$$

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.¹

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.

$$\text{Lower Limit} = R \times L$$

$$\text{Upper Limit} = R \times U$$

where:

R = the rate

L = the value in Table B-1 that corresponds to the number N in the numerator of the rate

U = the value in Table B-1 that corresponds to the number N in the numerator of the rate

Example: Confidence limits for rates based on less than 100 events

In Baker County, the teen pregnancy rate for 10- to 17-year-old teens in 1998 was 13.0 per thousand, based on 12 live births in the numerator. Using Table B-1:

$$\text{Lower Limit} = 13.0 \times 0.51671 = 6.7$$

$$\text{Upper Limit} = 13.0 \times 1.7468 = 22.7$$

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.²

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.

REFERENCES

1. U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, October 1999. The original materials are available online at 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 online at www.cdc.gov/nchs/data/tatnt/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 D: SAMPLE FORMS

Appendix D: Sample forms

OREGON DEPARTMENT OF HUMAN SERVICES
CENTER FOR HEALTH STATISTICS

136- **SAMPLE**

Type or print in permanent black ink. See handbook for instructions.

Local File Number **CERTIFICATE OF LIVE BIRTH** State File Number

CHILD	1. CHILD — NAME (First, Middle, Last, Suffix)	2. TIME OF BIRTH (24 hr)	3. SEX	4. DATE OF BIRTH (Month, Day, Year)
MOTHER	5a. FACILITY — NAME (If not an institution, give street and number)	5b. CITY, TOWN, OR LOCATION OF BIRTH		5c. COUNTY OF BIRTH
	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	
FATHER	7a. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)	7b. DATE OF BIRTH (Month, Day, Year)	7c. BIRTHPLACE (State, Territory, or Foreign Country)	
CERTIFIER	8a. I certify that this child was born alive at the place and time and on the date stated above. SIGNATURE	8b. DATE SIGNED (Month, Day, Year)	8c. CERTIFIER — NAME AND TITLE (Type or print)	
	8d. NAME AND TITLE OF ATTENDANT AT BIRTH IF OTHER THAN CERTIFIER (Type or print)	8e. CERTIFIER'S MAILING ADDRESS (Street, City or Town, State, Zip)		
	9a. DATE FILED BY REGISTRAR	9b. REGISTRAR — SIGNATURE		
INFORMANT	10a. I certify that the personal information provided on this certificate is correct to the best of my knowledge and belief. (Signature of parent or other informant)		10b. INFORMANT'S RELATIONSHIP TO CHILD	

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

MOTHER	12. MOTHER'S MAILING ADDRESS: <input type="checkbox"/> Same as residence, OR: State: _____ City, Town, or Location: _____ Street & Number: _____ Zip Code: _____			
	13. MOTHER MARRIED (at birth, conception, any time between, or 300 days prior to the birth of the child)? IF NO, HAS PATERNITY ACKNOWLEDGMENT BEEN SIGNED? <input type="checkbox"/> Yes <input type="checkbox"/> No	14. SOCIAL SECURITY NUMBER REQUESTED FOR CHILD? <input type="checkbox"/> Yes <input type="checkbox"/> No	15. FACILITY'S NPI	
	16. MOTHER'S MEDICAL RECORD NUMBER	17. MOTHER'S SOCIAL SECURITY NUMBER	18. FATHER'S SOCIAL SECURITY NUMBER	
	19a. OF HISPANIC ORIGIN? (Check "Yes" or "No") (If "yes," specify all that apply, e.g., Cuban, Mexican, Puerto Rican, etc.) <input type="checkbox"/> Yes <input type="checkbox"/> No Specify _____	20. RACE (Specify all that apply, e.g., American Indian, etc.) 20a. _____ 20b. _____	21. EDUCATION (Highest grade completed) 21a. _____ 21b. _____	
FATHER	22a. DATE OF FIRST PRENATAL CARE VISIT? (Month, Day, Year) <input type="checkbox"/> No Prenatal Care	22b. DATE OF LAST PRENATAL CARE VISIT? (Month, Day, Year)	22c. TOTAL NUMBER OF PRENATAL VISITS FOR THIS PREGNANCY? (If none, enter "0")	
MOTHER	23. MOTHER'S HEIGHT? (feet/inches)	24. MOTHER'S PRE-PREGNANCY WEIGHT? (pounds)	25. MOTHER'S WEIGHT AT DELIVERY? (pounds)	26. DID MOTHER GET WIC FOOD FOR HERSELF? <input type="checkbox"/> Yes <input type="checkbox"/> No
	27. NUMBER OF PREVIOUS LIVE BIRTHS (Do not include this child.) 27a. Number Now Living: _____ <input type="checkbox"/> None 27b. Number Now Dead: _____ <input type="checkbox"/> None	28. NUMBER OF OTHER PREGNANCY OUTCOMES (Spontaneous or induced losses or ectopic pregnancies) Number of Other Outcomes: _____ <input type="checkbox"/> None	29. 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: Three months before Pregnancy _____ # of cigarettes # of packs First Trimester of Pregnancy _____ OR _____ Second Trimester of Pregnancy _____ OR _____ Third Trimester of Pregnancy _____ OR _____	
	30. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY <input type="checkbox"/> Private Insurance <input type="checkbox"/> Medicaid <input type="checkbox"/> Self-pay <input type="checkbox"/> Other (Specify) _____	31a. DATE OF LAST LIVE BIRTH (Month, Year)	31b. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)	31c. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)
	32. ATTENDANT'S NPI	33. 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: _____		
	34. OBSTETRIC PROCEDURES (Check all that apply.) <input type="checkbox"/> Cervical cerclage <input type="checkbox"/> Tocolysis External cephalic version <input type="checkbox"/> Successful <input type="checkbox"/> Failed <input type="checkbox"/> None of the above	35. CHARACTERISTICS OF LABOR AND DELIVERY (Check all that apply.) <input type="checkbox"/> Induction of labor <input type="checkbox"/> Augmentation of labor <input type="checkbox"/> Non-vertex presentation <input type="checkbox"/> Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery <input type="checkbox"/> Antibiotics received by the mother during labor <input type="checkbox"/> Clinical chorioamnionitis diagnosed during labor or maternal temperature $\geq 38^{\circ}\text{C}$ (100.4°F) <input type="checkbox"/> Moderate/heavy meconium staining of the amniotic fluid <input type="checkbox"/> Fetal intolerance of labor such that one or more of the following actions were taken: in-utero resuscitative measures, further fetal assessment, or operative delivery <input type="checkbox"/> Epidural or spinal anesthesia during labor <input type="checkbox"/> None of the above		36. 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
	37. ONSET OF LABOR (Check all that apply.) <input type="checkbox"/> Premature rupture of the membranes (prolonged ≥ 12 hours) <input type="checkbox"/> Precipitous labor (<3 hours) <input type="checkbox"/> Prolonged labor (≥ 20 hours) <input type="checkbox"/> None of the above	38. Shall abstract of birth certificate be made available for publication or business-contact lists? (Check one.) <input type="checkbox"/> Yes <input type="checkbox"/> No		

STATE USE ONLY a. _____ b. _____ c. _____ d. _____

COMPLETE BACKSIDE OF FORM 45-1 (02/08)

MOTHER	<p>39. RISK FACTORS IN THIS PREGNANCY (Check all that apply.)</p> <p><input type="checkbox"/> Diabetes</p> <p><input type="checkbox"/> Pre-Pregnancy (Diagnosis prior to this pregnancy)</p> <p><input type="checkbox"/> Gestational (Diagnosis in this pregnancy)</p> <p><input type="checkbox"/> Hypertension</p> <p><input type="checkbox"/> Pre-Pregnancy (Chronic)</p> <p><input type="checkbox"/> Gestational (PIH, pre-eclampsia)</p> <p><input type="checkbox"/> Eclampsia</p> <p><input type="checkbox"/> Previous preterm birth</p> <p><input type="checkbox"/> Other previous poor pregnancy outcome (includes perinatal death, small-for-gestational age/intrauterine growth restricted birth)</p> <p><input type="checkbox"/> Pre-Pregnancy resulted from infertility treatment - If yes, check all that apply:</p> <p><input type="checkbox"/> Fertility-enhancing drugs, artificial insemination or intrauterine insemination.</p> <p><input type="checkbox"/> Assisted reproductive technology (e.g., in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT))</p> <p><input type="checkbox"/> Mother had a previous Cesarean delivery</p> <p>If yes, how many? _____</p> <p><input type="checkbox"/> Alcohol use during pregnancy</p> <p>If yes, average number of drinks per week? _____</p> <p><input type="checkbox"/> None of the above</p>	<p>40. INFECTIONS PRESENT AND/OR TREATED DURING THIS PREGNANCY (Check all that apply.)</p> <p><input type="checkbox"/> Gonorrhea</p> <p><input type="checkbox"/> Syphilis</p> <p><input type="checkbox"/> Chlamydia</p> <p><input type="checkbox"/> Hepatitis B</p> <p><input type="checkbox"/> Hepatitis C</p> <p><input type="checkbox"/> Herpes Simplex (HSV)</p> <p><input type="checkbox"/> None of the above</p>	<p>41. MATERNAL MORBIDITY (Check all that apply.) (Complications associated with labor and delivery)</p> <p><input type="checkbox"/> Maternal transfusion</p> <p><input type="checkbox"/> Third- or fourth-degree perineal laceration</p> <p><input type="checkbox"/> Ruptured uterus</p> <p><input type="checkbox"/> Unplanned hysterectomy</p> <p><input type="checkbox"/> Admission to intensive care unit</p> <p><input type="checkbox"/> Unplanned operating room procedure following delivery</p> <p><input type="checkbox"/> None of the above</p> <p>42. MOTHER TESTED FOR HIV DURING PREGNANCY? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
NEWBORN	<p>43. NEWBORN'S MEDICAL RECORD NUMBER: _____</p>	<p>44. BIRTH WEIGHT (grams preferred; specify unit)</p> <p>_____ <input type="checkbox"/> grams <input type="checkbox"/> lb/oz</p>	<p>45. OBSTETRIC ESTIMATE OF GESTATION: _____ (completed weeks)</p>
<p>46. APGAR SCORE:</p> <p>Score at 5 minutes: _____</p> <p>If 5-minute score is less than 6,</p> <p>Score at 10 minutes: _____</p>	<p>47. PLURALITY - Single, Twins, Triplets, etc.</p> <p>(Specify) _____</p>	<p>48. IF NOT SINGLE BIRTH - Born First, Second, Third, etc.</p> <p>(Specify) _____</p>	
<p>49. IS THE NEWBORN LIVING AT TIME OF REPORT?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Newborn transferred, status unknown</p>		<p>50. IS THE NEWBORN BEING BREAST-FED AT DISCHARGE?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p>51. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply.)</p> <p><input type="checkbox"/> Anencephaly</p> <p><input type="checkbox"/> Meningocele/Spina bifida</p> <p><input type="checkbox"/> Cyanotic congenital heart disease</p> <p><input type="checkbox"/> Congenital diaphragmatic hernia</p> <p><input type="checkbox"/> Omphalocele</p> <p><input type="checkbox"/> Gastroschisis</p> <p><input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes)</p> <p><input type="checkbox"/> Cleft Lip with or without Cleft Palate</p> <p><input type="checkbox"/> Cleft Palate alone</p> <p><input type="checkbox"/> Down Syndrome</p> <p><input type="checkbox"/> Karyotype confirmed</p> <p><input type="checkbox"/> Karyotype pending</p> <p><input type="checkbox"/> Suspected chromosomal disorder</p> <p><input type="checkbox"/> Karyotype confirmed</p> <p><input type="checkbox"/> Karyotype pending</p> <p><input type="checkbox"/> Hypospadias</p> <p><input type="checkbox"/> None of the anomalies listed above</p>		<p>52. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply.)</p> <p><input type="checkbox"/> Assisted ventilation required immediately following delivery</p> <p><input type="checkbox"/> Assisted ventilation required for more than 6 hours</p> <p><input type="checkbox"/> NICU admission</p> <p><input type="checkbox"/> Newborn given surfactant-replacement therapy</p> <p><input type="checkbox"/> Antibiotics received by the newborn for suspected neonatal sepsis</p> <p><input type="checkbox"/> Seizure or serious neurologic dysfunction</p> <p><input type="checkbox"/> Significant birth injury, skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid-organ hemorrhage which requires intervention</p> <p><input type="checkbox"/> None of the above</p> <p>53. WAS NEWBORN METABOLIC SCREENING PERFORMED?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Screening Number _____</p>	
<p>54. WAS NEWBORN TRANSFERRED WITHIN 24 HOURS OF DELIVERY? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>IF YES, NAME OF FACILITY TO WHICH NEWBORN WAS TRANSFERRED: _____</p>			

SAMPLE

OREGON DEPARTMENT OF HUMAN SERVICES
Center for Health Statistics
REPORT OF INDUCED TERMINATION OF PREGNANCY 136-

1. NAME OF FACILITY _____		FACILITY CHART OR CASE NO. _____	
2. FACILITY ADDRESS _____ (CITY OR TOWN) (COUNTY)		3. DATE TERMINATION PERFORMED: _____ (MONTH) (DAY) (YEAR)	
4. PATIENT'S USUAL RESIDENCE _____ (STATE) (COUNTY) (CITY OR TOWN) (ZIP CODE) (INSIDE CITY LIMITS - YES, NO)			
5. AGE LAST BIRTHDAY _____	6. MARITAL STATUS: 1 <input type="checkbox"/> Never Married 3 <input type="checkbox"/> Widowed 5 <input type="checkbox"/> Separated 2 <input type="checkbox"/> Now Married 4 <input type="checkbox"/> Divorced 6 <input type="checkbox"/> Unknown		
7. IS PATIENT OF HISPANIC ORIGIN? 0 <input type="checkbox"/> NO <input type="checkbox"/> YES, specify Cuban, Mexican, Puerto Rican, etc. _____		8. Race (select one or more): 1 <input type="checkbox"/> White 2 <input type="checkbox"/> Black 3 <input type="checkbox"/> American Indian 4 <input type="checkbox"/> Chinese 5 <input type="checkbox"/> Japanese 6 <input type="checkbox"/> Hawaiian 8 <input type="checkbox"/> Filipino 0 <input type="checkbox"/> Other Asian <input type="checkbox"/> Other (specify) _____	
9. EDUCATION (Indicate a NUMBER for the HIGHEST grade COMPLETED):		None (0)	Elementary/Secondary (1-12)
			College (1-4, 5+)
10. PREVIOUS PREGNANCIES (Complete all four sections; enter number or check "None")			
Live Births		Other Terminations	
a. Now Living Number _____ None 00 <input type="checkbox"/>	b. Now Dead Number _____ None 00 <input type="checkbox"/>	c. Spontaneous Abortions, Miscarriages, Stillbirths, and Fetal Deaths Number _____ None 00 <input type="checkbox"/>	d. Induced Abortions (Do <u>not</u> include this termination) Number _____ None 00 <input type="checkbox"/>
11. DATE LAST NORMAL MENSES BEGAN _____ Month Day Year	12. CLINICAL ESTIMATE OF GESTATION _____ Completed weeks		
13. WAS PREGNANCY THE RESULT OF A CONTRACEPTIVE FAILURE? 1 <input type="checkbox"/> NO 2 <input type="checkbox"/> YES; If Yes, specify method below. 1 <input type="checkbox"/> Birth Control Pill 2 <input type="checkbox"/> Foam 3 <input type="checkbox"/> Hormone Implant; e.g., Norplant 4 <input type="checkbox"/> Diaphragm 5 <input type="checkbox"/> IUD 6 <input type="checkbox"/> Condoms, Prophylactics 7 <input type="checkbox"/> Rhythm 8 <input type="checkbox"/> Other (specify) _____ 9 <input type="checkbox"/> Contraceptive Injection; e.g., Depo Provera			
14. PROCEDURE THAT TERMINATED THIS PREGNANCY (Check only one) 1 <input type="checkbox"/> Suction Curettage 2 <input type="checkbox"/> Medical (nonsurgical); specify medication(s) _____ 3 <input type="checkbox"/> Dilation and Evacuation (D & E) 4 <input type="checkbox"/> Intra-Uterine Instillation (Saline/prostaglandin) 5 <input type="checkbox"/> Vaginal Prostaglandin 6 <input type="checkbox"/> Sharp Curettage (D & C) 7 <input type="checkbox"/> Hysterotomy/Hysterectomy 8 <input type="checkbox"/> Other (specify) _____			
15. OTHER PROCEDURES USED FOR THIS TERMINATION (Check all that apply) 0 <input type="checkbox"/> None 1 <input type="checkbox"/> Suction Curettage 2 <input type="checkbox"/> Medical (nonsurgical); specify medication(s) _____ 3 <input type="checkbox"/> Dilation and Evacuation (D & E) 4 <input type="checkbox"/> Intra-Uterine Instillation (saline or prostaglandin) 5 <input type="checkbox"/> Vaginal Prostaglandin 6 <input type="checkbox"/> Sharp Curettage (D & C) 8 <input type="checkbox"/> Other (specify) _____			
16. WAS WRITTEN POST-OPERATIVE/AFTER-CARE INFORMATION GIVEN TO PATIENT? 1 <input type="checkbox"/> YES 2 <input type="checkbox"/> NO			
17. WAS FOLLOW-UP VISIT RECOMMENDED? 1 <input type="checkbox"/> YES 2 <input type="checkbox"/> NO			
18. COMPLICATIONS AT TIME OF PROCEDURE (check all that apply): 0 <input type="checkbox"/> None 1 <input type="checkbox"/> Hemorrhage 2 <input type="checkbox"/> Infection 3 <input type="checkbox"/> Uterine perforation 4 <input type="checkbox"/> Cervical laceration 5 <input type="checkbox"/> Retained products 6 <input type="checkbox"/> Failure of first method 7 <input type="checkbox"/> Other (specify) _____			
19. AT THE TIME OF COMPLETION OF THIS REPORT FORM, HAD A FOLLOW UP VISIT OCCURRED AT THIS FACILITY? 2 <input type="checkbox"/> NO 1 <input type="checkbox"/> YES; If yes, <u>specify complications</u> (check all that apply): 0 <input type="checkbox"/> None 1 <input type="checkbox"/> Hemorrhage 2 <input type="checkbox"/> Infection 3 <input type="checkbox"/> Uterine perforation 4 <input type="checkbox"/> Cervical laceration 5 <input type="checkbox"/> Retained products 6 <input type="checkbox"/> Failure of first method 7 <input type="checkbox"/> Other (specify) _____			
20. AT THE TIME OF COMPLETION OF THIS REPORT FORM HAD A FOLLOW UP VISIT OCCURRED OUTSIDE THIS FACILITY? 2 <input type="checkbox"/> NO 1 <input type="checkbox"/> YES 3 <input type="checkbox"/> UNKNOWN If yes, <u>specify complications</u> (check all that apply) & <u>complete item 20a</u> below: 0 <input type="checkbox"/> None 1 <input type="checkbox"/> Hemorrhage 2 <input type="checkbox"/> Infection 3 <input type="checkbox"/> Uterine perforation 4 <input type="checkbox"/> Cervical laceration 5 <input type="checkbox"/> Retained products 6 <input type="checkbox"/> Failure of first method 7 <input type="checkbox"/> Other (specify) _____ 9 <input type="checkbox"/> Unknown 20A. If yes, specify <u>location of follow-up visit</u> : 1 <input type="checkbox"/> Physician's Office 2 <input type="checkbox"/> Clinic 3 <input type="checkbox"/> Hospital 4 <input type="checkbox"/> Other (specify) _____			

PLEASE COMPLETE THIS FORM NO SOONER THAN 2 WEEKS FOLLOWING THE DATE OF TERMINATION. FORM MUST BE COMPLETED NO LATER THAN 30 DAYS FOLLOWING THE DATE OF TERMINATION OF PREGNANCY.

MAIL TO:

Center for Health Statistics
OREGON DEPARTMENT OF HUMAN SERVICES
P.O. Box 14050
Portland, Oregon 97293-0050

(Continued on back)

45-113 (01-07)

OREGON DEPARTMENT OF HUMAN SERVICES
CENTER FOR HEALTH STATISTICS 136-

Local File Number _____ State File Number _____

APPLICATION, LICENSE, AND RECORD OF MARRIAGE

LOCAL OFFICIAL COUNTY _____ **LICENSE EFFECTIVE ON OR AFTER** _____

GROOM

1. GROOM'S NAME First Middle Last

2. BIRTHPLACE (State or Foreign Country) 3. DATE OF BIRTH (Month, Day, Year) 4. AGE (18 or older, 17 with consent)

5. SEX 6. OCCUPATION 7. PREVIOUS MARITAL STATUS (Single, Widowed, Divorced)

8a. FATHER'S NAME (First, Middle, Last) 8b. BIRTHPLACE (State or Foreign Country)

9a. MOTHER'S NAME (First, Middle, Maiden Surname) 9b. BIRTHPLACE (State or Foreign Country)

10. GROOM'S ADDRESS Street and Number City or Town County State Zip

11. If affidavit is required as proof of age, the name and address of the affiant.
 Name: _____ Address: _____

BRIDE

12a. BRIDE'S NAME First Middle Last

12b. MAIDEN SURNAME (if Different) 12c. PREVIOUS NAME (if Different)

13. BIRTHPLACE (State or Foreign Country) 14. DATE OF BIRTH (Month, Day, Year) 15. AGE (18 or older, 17 with consent)

16. SEX 17. OCCUPATION 18. PREVIOUS MARITAL STATUS (Single, Widowed, Divorced)

19a. FATHER'S NAME (First, Middle, Last) 19b. BIRTHPLACE (State or Foreign Country)

20a. MOTHER'S NAME (First, Middle, Maiden Surname) 20b. BIRTHPLACE (State or Foreign Country)

21. BRIDE'S ADDRESS (Street and Number) City or Town County State Zip

22. If affidavit is required as proof of age, the name and address of the affiant.
 Name: _____ Address: _____

SIGNATURES

WE HEREBY CERTIFY THAT THE INFORMATION PROVIDED IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AND THAT WE ARE FREE TO MARRY UNDER THE LAWS OF THIS STATE.

23. GROOM'S LEGAL SIGNATURE _____ 24. BRIDE'S LEGAL SIGNATURE _____

NEITHER YOU NOR YOUR SPOUSE IS THE PROPERTY OF THE OTHER. THE LAWS OF THE STATE OF OREGON AFFIRM YOUR RIGHT TO ENTER INTO MARRIAGE AND AT THE SAME TIME TO LIVE WITHIN THE MARRIAGE FREE FROM VIOLENCE AND ABUSE.

LOCAL OFFICIAL TO MARRY

This License Authorizes the Marriage in this State of the Parties Named Above by Any Person Duly Authorized to Perform a Marriage Ceremony Under the Laws of the STATE OF OREGON.

25. LICENSE EXPIRES (Month, Day, Year)

26. DATE LICENSE ISSUED 27. SIGNATURE OF ISSUING OFFICIAL 28. TITLE OF ISSUING OFFICIAL

29. I CERTIFY THAT THE ABOVE NAMED PERSONS WERE MARRIED ON - MONTH, DAY, YEAR 30a. WHERE MARRIED - CITY, TOWN/LOCATION 30b. COUNTY

OREGON

CEREMONY

31a. SIGNATURE OF PERSON PERFORMING CEREMONY 31b. NAME (Type/print) 31c. TITLE

31d. NAME/ADDRESS OF OFFICIANT'S AUTHORIZING RELIGIOUS CONGREGATION/ORGANIZATION 31e. ADDRESS AND PHONE NUMBER OF PERSON PERFORMING CEREMONY

32. WITNESS NAME 33. WITNESS NAME

LOCAL OFFICIAL

34. SIGNATURE OF COUNTY CLERK OR DIRECTOR 35. DATE FILED BY LOCAL OFFICIAL (Month, Day, Year)

36. GROOM'S SOCIAL SECURITY NUMBER (specify #, none, unknown) 37. BRIDE'S SOCIAL SECURITY NUMBER (specify #, none, unknown)

ORS 432.010
 REQUIRED STATISTICAL INFORMATION. THE INFORMATION BELOW WILL NOT APPEAR ON CERTIFIED COPIES OF THE RECORD.

38. NUMBER OF THIS MARRIAGE - First, Second, etc. (Specify below)	39. IF PREVIOUSLY MARRIED, LAST MARRIAGE ENDED (Specify below) By Death, Divorce, Dissolution or Annulment (Specify below)	Date (Month, Day, Year)	40. RACE - OPTIONAL, American Indian, Black, White, etc. (Specify below)	41. EDUCATION (Specify below highest grade completed) Elementary/Secondary College (1-4 or 5+)
38a.	39a.	39b.	40a.	41a.
38b.	39c.	39d.	40b.	41b.

THE AUTHORIZED PERSON PERFORMING THIS MARRIAGE IS REQUESTED TO RETURN THE ORIGINAL COPY OF THIS FORM TO THE COUNTY CLERK WITHIN TEN (10) DAYS FOLLOWING THE DATE OF THE MARRIAGE. A PENALTY MAY BE ASSESSED AFTER 35 DAYS. (ORS 106.990)



136-

State file number:

Record of Dissolution of Marriage or Annulment

Case number: _____

Husband	1. Husband's name: (first) _____ (middle) _____ (last) _____		
	2. Residence or legal address: _____ (street and number) _____ (city or town) _____ (county) _____ (state)		
	3. Date of birth: (mm/dd/yy) _____	4. Birthplace: (state or foreign country) _____	
Wife	5a. Wife's name: (first) _____ (middle) _____ (last) _____		5b. Maiden surname: _____
	6. Former legal names: (if any) _____		
	7. Residence or legal address: _____ (street and number) _____ (city or town) _____ (county) _____ (state)		
	8. Date of birth: (mm/dd/yy) _____	9. Birthplace: (state or foreign country) _____	
Marriage	10a. Place of this marriage: (city, town or location) _____	10b. County: _____	10c. State or foreign country: _____
	11. Date of this marriage: (mm/dd/yy) _____		14. Petitioner: <input type="checkbox"/> Husband <input type="checkbox"/> Wife <input type="checkbox"/> Both
Attorney	12. Date couple last resided in same household: (mm/dd/yy) _____		13. Number of children under 18 in this household as of the date in item 12: Number: _____ <input type="checkbox"/> None
	15a. Name of petitioner's attorney: (print) _____		15b. Address: (street and number or rural route number, city or town, state, ZIP code) _____
	16a. Name of respondent's attorney: (print) _____		16b. Address: (street and number or rural route number, city or town, state, ZIP code) _____
	17. Marriage of the above named persons was dissolved on: (mm/dd/yy) _____		18. Type of decree: <input type="checkbox"/> Dissolution of marriage <input type="checkbox"/> Annulment
Decree	19. Date decree becomes effective: (mm/dd/yy) _____		20. Number of children under 18 whose physical custody was awarded to: Husband: _____ Wife: _____ Joint: (husband and wife) _____ Other: _____ <input type="checkbox"/> No children
	21. County of decree: _____		22. Title of court: _____
	23. Signature of court official: _____		24. Title of court official: _____
	25. Date signed: (mm/dd/yy) _____		

The information below will not appear on certified copies of the record.

26. Husband's Social Security number: (specify number, none or unknown) _____						
27. Wife's Social Security number: (specify number, none or unknown) _____						
Husband	28. Number of this marriage - first, second, etc.: (specify below) _____	29a. If previously married last marriage ended: By death, divorce, dissolution or annulment: (specify below) _____	29b. Date: (mm/dd/yy) _____	30a. Race(s): American Indian, Black, White, etc.: (specify below) List all that apply. _____	31a. Education - Specify only highest grade completed: (specify below) Elementary/ Secondary: (0 - 12) _____	31b. College: 1- 4 or 5+ _____
	28b. _____	29c. _____	29d. _____	30b. _____	31c. _____	31d. _____
Wife						

The petitioner or legal representative of the petitioner is responsible for completing the personal information on this form and shall present this form to the clerk of the court with the petition. In all cases the completed record shall be a prerequisite to the granting of the final decree.



Local file number

State file number

Declaration of Oregon Registered Domestic Partnership

This declaration of domestic partnership must be registered with an Oregon county clerk to be valid.

Partner A	1. Partner A – Legal name: First Middle Last		
	2. Surname at birth (if different than current legal name):		3. Other legal surnames used:
	4. Birthplace (state or foreign country):	5. Date of birth (month, day, year):	6. Age (18 or older):
	7. Sex:	8. Current status (never married, widowed, divorced):	9a. Resident county:
	9b. Resident state:		
	9c. Mailing address: Number and street City or town State Country ZIP code		
	10. Partner A legal name taken after domestic partnership: First Middle Last		
	11. Partner B – Legal name: First Middle Last		
	12. Surname at birth (if different than current legal name):		13. Other legal surnames used:
	14. Birthplace (state or foreign country):		15. Date of birth (month, day, year):
16. Age (18 or older):			
Partner B	17. Sex:	18. Current status (never married, widowed, divorced):	19a. Resident county:
	19b. Resident state:		
	19c. Mailing address: Number and street City or town State Country ZIP code		
	20. Partner B legal name taken after domestic partnership: First Middle Last		
	<p>I acknowledge that: I am entering into a domestic partnership with the party listed above (<i>Partner B</i>); I am at least 18 years of age; I and/or my partner reside in Oregon and am otherwise capable to enter into this relationship. I declare the information and representations contained herein are true, correct and contain no material omissions of fact to the best of my knowledge and belief. I consent to the jurisdiction of the circuit courts of Oregon for the purpose of an action to obtain a judgment of dissolution or annulment of the domestic partnership or for legal separation of the partners in the domestic partnership, or for any other proceeding related to the partners' rights and obligations, even if one or both partners cease to reside in or to maintain a domicile in this state.</p> <p>Signature partner A (current name) _____ Date _____ State of _____, county of _____. This instrument was acknowledged before me on _____ (date), by _____ (name(s) of person(s)).</p> <p>Signature of notarial officer: _____ Seal: _____ My commission expires: _____</p> <p>I acknowledge that: I am entering into a domestic partnership with the party listed above (<i>Partner A</i>); I am at least 18 years of age; I and/or my partner reside in Oregon; and am otherwise capable to enter into this relationship. I declare the information and representations contained herein are true, correct and contain no material omissions of fact to the best of my knowledge and belief. I consent to the jurisdiction of the circuit courts of Oregon for the purpose of an action to obtain a judgment of dissolution or annulment of the domestic partnership or for legal separation of the partners in the domestic partnership, or for any other proceeding related to the partners' rights and obligations, even if one or both partners cease to reside in or to maintain a domicile in this state.</p> <p>Signature Partner B (current name) _____ Date _____ State of _____, county of _____. This instrument was acknowledged before me on _____ (date), by _____ (name(s) of person(s)).</p> <p>Signature of notarial officer: _____ Seal: _____ My commission expires: _____</p>		
Local Official	County of filing:	Signature of county official at county of filing:	
	Date registered at county:	Name of issuing official (print):	

The information below is optional and will not appear on certified copies of the RECORD.

Partner A	20. Number of this partnership (include marriages and domestic partnerships) 1st, 2nd, etc. (specify below):	21. If previously married or part of a domestic partnership, how did it end? By death, divorce, dissolution or annulment? (specify below)	22. Hispanic origin (if yes, specify):	23. Race(s):	24. Education - highest grade completed (specify below):	25. Occupation:
	20a.	21a.	22a.	23a.	24a.	25a.
Partner B	20b.	21b.	22b.	23b.	24b.	25b.



136-

RECORD OF DISSOLUTION OF DECLARATION OF REGISTERED DOMESTIC PARTNERSHIP

	Local file number	State file number			
PARTNER A	1. Partner A — Legal name: <i>(First, middle, last, suffix)</i>		2. Other legal surnames used:		
	3. Date of birth: <i>(Month, day, year)</i>		4. Birthplace: <i>(State, territory or foreign country)</i>		
	5. Residence or legal address: Street and number		5a. City, town:	5b. County:	5c. State:
PARTNER B	6. Partner B — Legal name: <i>(First, middle, last, suffix)</i>		7. Other legal surnames used:		
	8. Date of birth: <i>(Month, day, year)</i>		9. Birthplace: <i>(State, territory or foreign country)</i>		
	10. Residence or legal address: Street and number		10a. City, town:	10b. County:	10c. State:
DECLARATION	11. Date declaration of domestic partnership filed: <i>(Month, day, year)</i>		11a. County or state in which filed:		
	12. Date last resided in same household: <i>(Month, day, year)</i>	13. Number of children under 18 years of age in this household as of date in item 12:	14. Petitioner: <input type="checkbox"/> Partner A <input type="checkbox"/> Partner B <input type="checkbox"/> Both		
ATTORNEY	15a. Name of petitioner's attorney:		15b. Address: <i>(Street and number, city or town, state, ZIP code)</i>		
	16a. Name of respondent's attorney:		16b. Address: <i>(Street and number, city or town, state, ZIP code)</i>		
DECREE	17. Declaration of domestic partnership of above named persons was dissolved on: <i>(Month, day, year)</i>		18. Type of decree:		19. Date decree becomes effective: <i>(Month, day, year)</i>
	20. Number of children under 18 whose physical custody was awarded to: <input type="checkbox"/> Partner A <input type="checkbox"/> Partner B <input type="checkbox"/> Joint <input type="checkbox"/> Other <input type="checkbox"/> No children		21. County of decree:		22. Title of court:
	23. Signature of court official:		24. Title of court official:		25. Date signed: <i>(Month, day, year)</i>

Information below will not appear on the certified copies of the record.

PARTNER A	26. Number of this domestic partnership— First, second, etc.: <i>(Specify below)</i>	27. If previously married or in a domestic partnership, how did it end? (By death, divorce, dissolution, or annulment) <i>(Specify below)</i>	Date: <i>(Month, day, year)</i>	28. Hispanic origin: <i>(If yes, specify)</i>	29. Race(s): Asian, American Indian or Alaskan Native, White, Black or African American, Native Hawaiian or other Pacific Islander. <i>(Specify below)</i>	30. Education: <i>(Specify below highest grade completed)</i>
	26a.	27a.	27b.	28a.	29a.	30a.
PARTNER B	26b.	27c.	27d.	28b.	29b.	30b.

The petitioner or legal representative of the petitioner is responsible for completing the personal information on this form and shall present this form to the clerk of the court with the petition. In all cases the completed record shall be a prerequisite to the granting of the final decree.