

Oregon Oral Health Surveillance System 2002-2016



Oregon
Health
Authority

PUBLIC HEALTH DIVISION
Center for Prevention & Health Promotion
Oral Health Program

Oregon Oral Health Surveillance System 2002-2016

No survey conducted this year
 Question was not asked this year
 Data not yet available

Description of Indicator	Source/ Frequency of Data Availability	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016		
Pregnant Women																		
Women with a dental visit during pregnancy	PRAMS¹ (Annual)	47.1%	47.5%	43.1%	43.9%	43.9%	48.8%	51.5%	53.5%	51.1%	52.2%					Pending		
Women who received information on dental care during pregnancy from a provider		45.5%	45.3%	41.5%	43.8%	46.1%	48.5%	51.3%	53.2%	55.4%	57.6%	56.0%	56.0%	54.9%	55.8%			
Women who had their teeth cleaned within the previous year		47.9%	49.1%	45.2%	46.5%	46.0%	50.8%	49.7%			53.2%	56.1%	58.3%	50.5%	53.5%			
Women who received advice on infant tooth decay		29.0%	31.6%	32.4%	30.2%	32.0%	33.0%	34.4%	32.3%	33.5%	33.3%	24.4%	27.9%	30.6%	30.6%			
Toddlers																		
Toddlers with a dental visit	PRAMS-2² (Annual)	Question first asked in 2006						17.2%	22.2%	24.6%	28.5%	22.1%	24.4%		37.6%	Pending	Pending	Pending
Toddlers who received fluoride drops or tablets		Question first asked in 2006						42.7%	40.0%	35.6%	37.9%	39.7%	38.4%		Pending	Pending	Pending	Pending
Toddlers using a baby bottle in bed		Question first asked in 2006						13.1%	11.9%	13.1%	18.5%	Question changed, see next indicator						
Toddlers using a baby bottle or sippy cup in bed		Question first asked in 2010									25.9%	23.9%		Pending	Pending	Pending	Pending	
Toddlers using a baby bottle filled with anything other than water (night or day)		Question first asked in 2006						64.5%	72.5%	72.6%	72.4%	Question changed, see next indicator						
Toddlers using a baby bottle filled with anything other than water (night)		Question first asked in 2010									32.1%	41.0%		Pending	Pending	Pending	Pending	

¹ Pregnancy Risk Assessment Monitoring System (PRAMS): an annual survey of postpartum women.

² PRAMS-2: began in 2006, a follow-up survey of PRAMS respondents when child turns two year old. Data is currently under review.



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Description of Indicator	Source/ Frequency of Data Availability	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Elementary school children																
Children aged 6-9 years with cavities (treated and untreated, all teeth)	Smile Survey ³ (Every 5 Years)	57.3%					63.7%					52.0%				
Children aged 6-9 years with untreated decay (all teeth)		23.9%					35.5%					19.9%				
Children aged 6-9 years in need of urgent dental care		2.7%					4.1%					3.0%				
Children aged 6-9 years with no dental visit in the previous year		19.7%					27.0%									
Children aged 6-9 years with protective sealants on at least one permanent molar		32.3%					29.7%						38.1%			
Children and adolescents																
Children (aged 1-17 years) with one or more oral health problems in past 6 months (broken teeth, bleeding gums, toothache, and decayed teeth or cavities)	NSCH ⁴ (Every 5 Years)	Question first asked in 2007					30.0%	Question changed in 2012, see next indicator								
Children (aged 1-17 years) with one or more oral health problems in past 12 months (toothache, decayed teeth, unfilled cavities)		Question first asked in 2012										20.7%				

³ Smile Survey: a screening survey, conducted every 5 years by the Oral Health Program among children aged 6-9 years.

⁴ National Survey of Children's Health (NSCH).



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Description of Indicator	Source/ Frequency of Data Availability	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
Adolescents - 8th grade																	
8th graders who saw a dentist or dental hygienist during the previous year	OHT ⁵ (Every Other Year Since 2009 - Odd Years)	65.3%	68.9%	71.7%	69.9%	67.4%		69.7%			72.2%		72.8%		73.0%		
8th graders who have had one or more cavities ever				69.1%	72.3%	72.4%		71.7%			71.4%		70.1%		68.7%		
8th graders who brush their teeth daily				96.1%	95.9%	95.9%					94.7%		95.5%		95.0%		
8th graders using spit (chewing) tobacco, snuff, or dip in the previous month		1.7%	2.6%	2.7%	3.0%	3.0%	4.0%	3.4%	4.1%		4.0%		1.9%		2.2%		
8th graders with a mouth injury from any sports ever (organized or recreational)								26.9%				21.8%		21.4%		20.7%	
8th graders with an oral piercing (tongue, lip, cheek, tooth, etc)		Question first asked in 2011										4.6%		3.9%			
8th graders who missed ≥ 1 hour of school during the previous year due to dental problems		Question first asked in 2011										8.1%		10.3%		9.0%	
Adolescents - 11th grade																	
11th graders who saw a dentist or dental hygienist during the previous year	OHT ⁵ (Every Other Year Since 2009 - Odd Years)	77.2%	75.4%	75.3%	74.3%	72.8%	72.4%				72.2%		74.5%		74.9%		
11th graders who have had one or more cavities ever				72.6%	74.2%	73.2%	74.3%				76.4%		74.0%		75.1%		
11th graders who brush their teeth daily				96.7%	97.1%	96.0%	95.3%				96.0%		96.0%		95.0%		
11th graders using spit (chewing) tobacco, snuff, or dip in the previous month		6.7%	5.7%	6.5%	7.5%	5.6%	8.3%	7.8%	7.4%		7.0%		5.7%		5.5%		
11th grade males using spit (chewing) tobacco, snuff, or dip in the previous month		12.5%	10.4%	10.6%	13.1%	10.2%	13.9%	13.6%	12.0%		11.5%		9.6%		2.9%		
11th graders with a mouth injury from any sports ever (organized or recreational)		Question first asked in 2011										11.1%		16.1%		16.5%	
11th graders with an oral piercing (tongue, lip, cheek, tooth, etc)		Question first asked in 2011										5.3%		4.6%			
11th graders who missed ≥ 1 hour of school during the previous year due to dental problems	Question first asked in 2011										7.9%		9.6%		8.2%		

5 Oregon Healthy Teens Survey: a survey of 8th and 11th graders.



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Description of Indicator	Source/ Frequency of Data Availability	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
Adults																	
Adults aged ≥ 18 years with a dental visit in the previous year for any reason	BRFSS ⁶ (Annual)	67.7%		67.1%	66.4%	67.4%		70.4%		63.8%		63.8%	66.9%	67.0%	67.5%	Pending	
Adults aged ≥18 years with one or more tooth loss		43.2%		40.5%		40.9%		39.2%		41.5%		42.0%	41.5%	40.4%	41.9%		
Adults aged ≥18 years who are edentulous (have no teeth)		5.9%		4.8%	5.1%	4.9%		4.5%		5.1%		5.1%	4.9%	4.5%	6.7%		
Adults aged > 65 years who are edentulous (have no teeth)		18.8%		17.8%	16.4%	16.9%		16.0%		17.7%		15.6%	12.3%	13.0%	15.1%		
Adults aged ≥ 18 years who had a teeth cleaning within the previous year		67.7%		66.0%	65.0%	65.9%		70.0%		62.0%		62.0%	66.0%				
Adults aged ≥ 18 years with diabetes who had a dental visit in the previous year		Question first asked in 2012											56.6%	57.2%	62.3%		59.0%
Adult smokers or chewers aged ≥ 18 years who were advised by a dentist to quit		Question first asked in 2012											50.0%	53.0%	50.8%		
Medicaid																	
Children (aged ≤ 20 years) on Medicaid with a dental visit for any reason during the previous year	DMAP ⁷ CMS ⁸ (Annual)	31.1%	25.9%	20.8%	29.0%	31.0%	31.5%	32.8%	35.0%	39.5%	42.4%	42.7%	42.3%	39.3%	44.4%	Pending	
Children (aged ≤ 20 years) on Medicaid who had their teeth cleaned during the previous year		18.2%	16.5%		9.7%	12.0%	27.1%	27.7%	31.3%	33.0%	35.8%	40.0%	36.2%	29.7%	32.0%		
Adults (aged ≥ 21 years) on Medicaid with a dental visit for any reason during the previous year		28.5%	18.6%	19.3%	28.4%	29.9%	29.6%	28.7%	30.1%	27.0%	26.7%	25.3%	24.3%	23.4%	27.1%		
Children aged 6-9 years on Medicaid with dental sealants on permanent molars		Reporting began in 2010									14.5%	15.4%	14.8%	15.6%	12.9%		15.7%

⁶ Behavioral Risk Factor Surveillance System (BRFSS): an annual survey of adult risk behaviors in Oregon.

⁷ Oregon Division of Medical Assistance Programs (DMAP).

⁸ Centers for Medicare & Medicaid Services (CMS).

Between 2013 and 2014 there was a dramatic increase in Medicaid eligibility and enrollment numbers



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Description of Indicator	Source/ Frequency of Data Availability	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Workforce																
Number of licensed dentists in Oregon	OBD ⁹ OHPP ¹⁰ (Annual)	Reporting began in 2004	2,526	2,599	2,659	2,738	2,786	3,306	3,697	3,655	3,750	3,754	3,803	3,846	3,871	
Number of licensed dentists with an Oregon working address		Reporting began in 2004	2,232	2,305	2,339	2,411	2,485	◆	2,559	2,335	2,686	2,682	2,729	2,983	2,856	
Population-to-practitioner ratio for licensed dentists		◆							◆	1,949	1,652	1,446	1,461	1,044	1,048	1,053
Number of licensed pediatric dentists in Oregon		Reporting began in 2004	74	79	81	86	93	◆	134	144	155	158	160	167	169	
Number of licensed pediatric dentists with an Oregon working address		Reporting began in 2004	65	71	74	78	85	◆	88	91	102	106	111	122	116	
Number of licensed dental hygienists in Oregon		Reporting began in 2004	2,503	2,550	2,649	2,730	2,844	3,374	3,777	3,467	4,035	4,150	4,230	4,255	4,293	
Number of licensed dental hygienists with an Oregon working address		Reporting began in 2004	1,817	1,826	1,856	1,918	2,057	◆	2,369	2,371	2,522	2,579	2,676	3,416	2,835	
Population-to-practitioner ratio for licensed dental hygienists		◆							◆	1,641	1,627	1,540	1,520	939	947	950
Number of expanded practice dental hygienists		◆	◆	◆	69	66	67	84	◆	115	264	317	367	467	551	601
Cancer																
Oral/pharyngeal (throat) cancer incidence rate per 100,000 among all ages (age-adjusted)	OSCaR ¹¹ Vital Statistics ¹² (Annual)	10.9	11.1	11.1	9.8	10.6	10.9	10.5	10.8	9.9	11.6	12.1	12.7	10.3	Pending	Pending
Oral/pharyngeal (throat) cancer incidence rate per 100,000 among adults aged ≥ 20 years (age-adjusted)		15.6	15.8	16.3	14.2	14.7	15.3	14.7	15.3	13.5	16.2	16.4	Pending	Pending		
Percentage of oral/pharyngeal (throat) cancers diagnosed at early stage among adults aged ≥ 20 years (early stage includes in-situ and local stage)		48.6%	51.2%	40.3%	39.6%	39.7%	35.5%	35.4%	34.5%	37.1%	36.8%	35.1%				
Number of deaths from oral and pharyngeal cancer		98	93	94	110	95	94	104	103	98	107	119	118	133		
Death rate per 100,000 people from oral and pharyngeal cancers (age-adjusted)		2.7	2.5	2.5	2.8	2.3	2.2	2.5	2.3	2.1	2.4	2.4	2.4	2.7		

⁹ Oregon Board of Dentistry.¹⁰ Oregon Health Profession Profiles.¹¹ Oregon State Cancer Registry (OSCaR).¹² Oregon Vital Statistics from Center for Health Statistics.

◆ Data not available.



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Description of Indicator	Source/ Frequency of Data Availability	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Cleft lip/palate																
Percent of newborns with cleft lip or palate	Vital Statistics ¹³ (Annual)	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	Reporting changed in 2008, see indicators below								
Number of newborns with cleft lip or palate		71	51	52	50	50	68									
Percent of newborns with cleft lip, with or without cleft palate		<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
Number of newborns with cleft lip, with or without cleft palate		42	36	40	47	38	34	35	37	38						
Percent of newborns with cleft palate alone		<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%						
Number of newborns with cleft palate alone		16	11	20	19	14	14	14	16	11						
Water Fluoridation																
Percent of the population served by community water systems receiving fluoridated water	DWS ¹⁴	19.4%		18.8%		27.4%		27.3%		22.6%		22.6%		22.2%		21.8%

¹³ Oregon Vital Statistics from Center for Health Statistics.

¹⁴ Oregon Drinking Water Services.



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