

# Oregon Oral Health Surveillance System 2002-2015



Oregon  
**Health**  
Authority

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

# Oregon Oral Health Surveillance System 2002-2015

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	
<b>Pregnant Women</b>																
Women with a dental visit during pregnancy	<b>PRAMS<sup>1</sup> (Annual)</b>	47.1%	47.5%	43.1%	43.9%	43.9%	48.8%	51.5%	53.5%	51.1%	52.2%		Available May 2016	Available May 2017	Available May 2018	
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%				
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%				
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%				
<b>Toddlers</b>																
Toddlers with a dental visit	<b>PRAMS-2<sup>2</sup> (Annual)</b>	Question first asked in 2006					17.2%	22.2%	24.6%	28.5%	22.1%	24.4%			Available May 2017	
Toddlers who received fluoride drops or tablets		Question first asked in 2006					42.7%	40.0%	35.6%	37.9%	39.7%	38.4%				
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%			Available May 2017	
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%			Available May 2017	

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

<sup>2</sup> PRAMS-2: began in 2006, a follow-up survey of PRAMS respondents when child turns two year old.



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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	
<b>Elementary school children</b>																
Children aged 6-9 years with cavities (treated and untreated, all teeth)	Smile Survey <sup>3</sup> (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%			
<b>Children and adolescents</b>																
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 <sup>4</sup> (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%				

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

<sup>4</sup> 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	
<b>Adolescents - 8th grade</b>																
8th graders who saw a dentist or dental hygienist during the previous year	OHT <sup>5</sup> (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)			Question first asked in 2011									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%
<b>Adolescents - 11th grade</b>																
11th graders who saw a dentist or dental hygienist during the previous year	OHT <sup>5</sup> (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%	

<sup>5</sup> Oregon Healthy Teens Survey: a survey of 8th and 11th graders.



No survey conducted this year



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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	
<b>Adults</b>																
Adults aged ≥ 18 years with a dental visit in the previous year for any reason	BRFSS <sup>6</sup> (Annual)	67.7%		67.1%	66.4%	67.4%		70.4%		63.8%		63.8%	66.9%	67.0%	Available July 2016	
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%		
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%		
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%		
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%
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%
<b>Medicaid</b>																
Children (aged ≤ 20 years) on Medicaid with a dental visit for any reason during the previous year	DMAP <sup>7</sup> CMS <sup>8</sup> (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%	
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
<b>Workforce</b>															
Number of licensed dentists in Oregon	OBD <sup>9</sup> OHPP <sup>10</sup> (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	
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	
Population-to-practitioner ratio for licensed dentists		◆							◆	1,949	1,652	1,446	1,461	1,044	1,048
Number of licensed pediatric dentists in Oregon		Reporting began in 2004	74	79	81	86	93	◆	134	144	155	158	160	167	
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	
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	
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	
Population-to-practitioner ratio for licensed dental hygienists		◆							◆	1,641	1,627	1,540	1,520	939	947
Number of expanded practice dental hygienists		◆	◆	◆	69	66	67	84	◆	115	264	317	367	467	551
<b>Cancer</b>															
Oral/pharyngeal (throat) cancer incidence rate per 100,000 among all ages (age-adjusted)	OSCaR <sup>11</sup> Vital Statistics <sup>12</sup> (Annual)	10.9	11.1	11.1	9.8	10.6	10.9	10.5	10.8	9.5	11.6	11.7	Available June 2016	Available June 2017	Available June 2018
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			
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			
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			

<sup>9</sup> Oregon Board of Dentistry.

<sup>10</sup> Oregon Health Profession Profiles.

<sup>11</sup> Oregon State Cancer Registry (OSCaR).

<sup>12</sup> 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
<b>Cleft lip/palate</b>															
Percent of newborns with cleft lip or palate	Vital Statistics <sup>13</sup> (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%
Number of newborns with cleft lip, with or without cleft palate		42	36	40	47	38	34	35	37						
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%	<0.1%	<0.1%	<0.1%	<0.1%	
Number of newborns with cleft palate alone		16	11	20	19	14	14	14	16						
<b>Water Fluoridation</b>															
Percent of the population served by community water systems receiving fluoridated water	DWS <sup>14</sup>	19.4%		18.8%		27.4%		27.3%		22.6%		22.6%		22.2%	

<sup>13</sup> Oregon Vital Statistics from Center for Health Statistics.

<sup>14</sup> Oregon Drinking Water Services.



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