



ASTDD State Surveillance Data Reference Guide

Background Information: ASTDD recommends that each state health jurisdiction (1) develops an oral health surveillance plan and (2) implements and maintains a robust state-based oral health surveillance system. A surveillance system should monitor oral health status, access to dental care, individual risk factors and risk determinants, availability of interventions, workforce issues, public health infrastructure, and public policies. The surveillance system should include dissemination of timely and actionable publicly available data. At a minimum, a state-based oral health surveillance system (SOHSS) should include the 10 items identified by the Council of State and Territorial Epidemiologists (CSTE) as the operational definition of a SOHSS, with expansion to a wider variety of indicators based on the needs and resources of the individual state. The 10 items identified by CSTE are:

1. A written oral health surveillance plan that was developed or updated within the previous five years.
2. Oral health status data for a representative sample of third grade children meeting criteria for inclusion in the National Oral Health Surveillance System (NOHSS). Data must have been collected within the previous five years.
3. Permanent tooth loss data for adults obtained within the previous two years.
4. Annual data on oral and pharyngeal cancer incidence and mortality.
5. Annual data on the percent of Medicaid- and CHIP-enrolled children who had a dental visit in the previous year.
6. Data on the percent of children 1-17 years who had a dental visit in the previous year, obtained every four years.
7. Data on the percent of adults (≥ 18 years) and adults with diabetes who had a dental visit in the previous year, obtained within the previous two years.
8. Data on the fluoridation status of public water systems within the state, updated every two years.
9. Annual data on state oral health programs and the environment in which they operate, including workforce and infrastructure indicators, submitted to the Annual Synopses of State and Territorial Dental Public Health Programs.
10. Publicly available, actionable oral health data to guide public health policy and programs disseminated in a timely manner. This may take the form of an oral disease burden document, publicly available reports, or a web-based interface providing information on the oral health of the state's population developed or updated within the previous five years.

How to Use this Reference Guide: The purpose of this reference guide is to provide information on sources of oral health data that are available at the state level and can be used for a state-based oral health surveillance system. It lists available oral health indicators, identifies if the indicator is a NOHSS or Healthy People 2020 (HP2020) indicator, and provides information on the primary data source. The guide includes three tables:

- Table 1: Quick Reference Guide for the National Oral Health Surveillance System Indicators by Topic Area
- Table 2: Quick Reference Guide for the National Oral Health Surveillance System Indicators by Population Group
- Table 3: Detailed State Surveillance Data Reference Guide by Population Group – All Oral Health Data

Tables 1 and 2 provide information on the data sources for the NOHSS indicators. Table 1 lists the indicators by topic area while Table 2 lists them by population group. Table 3 includes more detailed information on the NOHSS indicators plus other oral health indicators that are not included in NOHSS. Table 3 also

highlights (in yellow) the state contacts that oral health programs may need to identify. We recommend that states modify Table 3 to meet their individual needs by removing indicators that will not be used, adding state specific indicators not included and adding the appropriate state contact information.

How to Find National Estimates for HP2020 Objectives: Go to the Healthy People Data2020 website (<https://www.healthypeople.gov/2020/data-search/>) and select a topic area (e.g. Oral Health). Once a topic area is selected, national estimates, along with recent trends, for each of the HP2020 objectives within the topic area will be listed. *As of April 2020, Healthy People 2030 is under development.*

Additional Resources: The following resources may be useful to states that are developing, implementing or maintaining an oral health surveillance system.

- ASTDD Oral Health Surveillance Plan Template, <http://www.astdd.org/docs/surveillance-plan-template-may-2016.docx>
- ASTDD Best Practice Report, State-Based Oral Health Surveillance System, <http://www.astdd.org/state-based-oral-health-surveillance-system/>
- Council of State and Territorial Epidemiologists. *State-Based Oral Health Surveillance Systems: Conceptual Framework and Operational Definition* <http://www.astdd.org/docs/state-based-oral-health-surveillance-systems-cste-whitepaper-oct-2013.pdf>
- ASTDD Policy Statement on State-Based Oral Health Surveillance Systems, <https://www.astdd.org/docs/state-based-oral-health-surveillance-systems.docx>
- ASTDD Basic Screening Survey Toolkits, <http://www.astdd.org/basic-screening-survey-tool/>
- Centers for Disease Control and Prevention (CDC) Oral Health Data Portal, <https://www.cdc.gov/oralhealthdata/index.html>
- Centers for Disease Control and Prevention (CDC) Chronic Disease Indicators, <http://www.cdc.gov/cdi/index.html>
- Centers for Disease Control and Prevention (CDC) BRFSS Prevalence Data and Data Analysis Tools, https://www.cdc.gov/brfss/data_tools.htm
- Synopses of State and Territorial Dental Public Health Programs Annual Report, <https://www.astdd.org/docs/synopses-summary-report-2019.pdf> (disaggregated data are available on the ASTDD members only website) NOTE: The URL changes each year; for the most current document you may need to change the year in the URL
- Healthy People 2020, Oral Health, <http://www.healthypeople.gov/2020/topics-objectives/topic/oral-health>
- Healthy People 2020, Tobacco Use, <http://www.healthypeople.gov/2020/topics-objectives/topic/tobacco-use>
- Healthy People 2020, Cancer, <http://www.healthypeople.gov/2020/topics-objectives/topic/cancer>
- Healthy People 2020, Diabetes, <https://www.healthypeople.gov/2020/topics-objectives/topic/diabetes>

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Table 1: Quick Reference Guide for the National Oral Health Surveillance System Indicators by Topic Area

Topic Area	Indicators Approved by the Council of State & Territorial Epidemiologists, 1999-2015	Data Source and Link to Data Source or Interactive Data System
Access to Care	Preventive dental visit among children aged 1-17 years	National Survey of Children’s Health, also available at CDC Chronic Disease Indicators https://www.childhealthdata.org/browse/survey http://www.cdc.gov/cdi/index.html
	Preventive dental service for children aged 1-20 years enrolled in Medicaid or CHIP Medicaid expansion	Form CMS-416 (more current data may be available from your state Medicaid agency) https://www.medicaid.gov/medicaid/benefits/early-and-periodic-screening-diagnostic-and-treatment/index.html
	Dental visit among children aged 1-17 years	National Survey of Children’s Health, also available at CDC Chronic Disease Indicators https://www.childhealthdata.org/browse/survey http://www.cdc.gov/cdi/index.html
	Any dental service for children aged 1-20 years enrolled in Medicaid or CHIP Medicaid expansion	Form CMS-416 (more current data may be available from your state Medicaid agency) https://www.medicaid.gov/medicaid/benefits/early-and-periodic-screening-diagnostic-and-treatment/index.html
	Dental visit among adolescents in grades 9-12	Youth Risk Behavior Surveillance System https://nccd.cdc.gov/youthonline/App/Default.aspx
	Dental visit among adults aged ≥18 years	Behavioral Risk Factor Surveillance System, also available at CDC’s Oral Health Data and Chronic Disease Indicators http://www.cdc.gov/brfss/brfssprevalence/index.html http://www.cdc.gov/oralhealthdata/index.html http://www.cdc.gov/cdi/index.html
	Dental visit among adults aged ≥18 years with diagnosed diabetes	Behavioral Risk Factor Surveillance System, available at CDC Chronic Disease Indicators (Category = Diabetes) http://www.cdc.gov/cdi/index.html
	Population receiving oral health services at Federally Qualified Health Centers	HRSA’s Uniform Data System http://bphc.hrsa.gov/datareporting/index.html
	Teeth cleaning among women <u>during</u> pregnancy	Pregnancy Risk Assessment Monitoring System https://www.cdc.gov/prams/prams-data/mch-indicators.html
	Teeth cleaning among women <u>before</u> pregnancy	Pregnancy Risk Assessment Monitoring System. NOTE: as of April 2020 the most current information available on the PRAMS website is for 2012-2015 https://www.cdc.gov/prams/prams-data/2015-mch-indicators.html
Oral Health Outcomes	Dental caries experience among children aged 3-5 years attending Head Start	State oral health survey - obtain data from individual state or CDC’s Oral Health Data http://www.cdc.gov/oralhealthdata/index.html
	Dental caries experience among children attending kindergarten	State oral health survey - obtain data from individual state or CDC’s Oral Health Data http://www.cdc.gov/oralhealthdata/index.html
	Dental caries experience among 3rd grade children	State oral health survey - obtain data from individual state or CDC’s Oral Health Data http://www.cdc.gov/oralhealthdata/index.html
	Untreated dental caries among children aged 3-5 years attending Head Start	State oral health survey - obtain data from individual state or CDC’s Oral Health Data

Topic Area	Indicators Approved by the Council of State & Territorial Epidemiologists, 1999-2015	Data Source and Link to Data Source or Interactive Data System
		http://www.cdc.gov/oralhealthdata/index.html
	Untreated dental caries among children attending kindergarten	State oral health survey - obtain data from individual state or CDC's Oral Health Data http://www.cdc.gov/oralhealthdata/index.html
	Untreated dental caries among 3rd grade children	State oral health survey - obtain data from individual state or CDC's Oral Health Data http://www.cdc.gov/oralhealthdata/index.html
	Untreated dental caries among adults 65+ years in long-term or skilled nursing facilities	State oral health survey - obtain data from individual state
	Untreated dental caries among adults 65+ years attending congregate meal sites	State oral health survey - obtain data from individual state
	Urgent dental treatment need among children aged 3-5 years attending Head Start	State oral health survey - obtain data from individual state
	Urgent dental treatment need among children attending kindergarten	State oral health survey - obtain data from individual state
	Urgent dental treatment need among 3rd grade children	State oral health survey - obtain data from individual state
	Dental treatment need among adults 65+ years in long-term or skilled nursing facilities	State oral health survey - obtain data from individual state
	Dental treatment need among adults 65+ years attending congregate meal sites	State oral health survey - obtain data from individual state
	Dental sealants among 3rd grade children	State oral health survey - obtain data from individual state or CDC's Oral Health Data http://www.cdc.gov/oralhealthdata/index.html
	Dental sealant use among children aged 6-9 years enrolled in Medicaid or CHIP Medicaid expansion	Form CMS-416 (more current data may be available from your state Medicaid agency) https://www.medicaid.gov/medicaid/benefits/early-and-periodic-screening-diagnostic-and-treatment/index.html
	Dental sealant use among children aged 10-14 years enrolled in Medicaid or CHIP Medicaid expansion	Form CMS-416 (more current data may be available from your state Medicaid agency) https://www.medicaid.gov/medicaid/benefits/early-and-periodic-screening-diagnostic-and-treatment/index.html
	No tooth loss among adults aged 18-64 years	Behavioral Risk Factor Surveillance System, available at CDC Chronic Disease Indicators http://www.cdc.gov/cdi/index.html
	Six or more teeth lost among adults aged ≥65 years	Behavioral Risk Factor Surveillance System, available at CDC's Oral Health Data and Chronic Disease Indicators http://www.cdc.gov/oralhealthdata/index.html http://www.cdc.gov/cdi/index.html
	All teeth lost among adults aged ≥65 years	Behavioral Risk Factor Surveillance System, also available at CDC's Oral Health Data and Chronic Disease Indicators http://www.cdc.gov/brfss/brfssprevalence/index.html http://www.cdc.gov/oralhealthdata/index.html http://www.cdc.gov/cdi/index.html
	Incidence of invasive cancer of the oral cavity or pharynx	Cancer Registries, state specific incidence rates are available at http://statecancerprofiles.cancer.gov/incidencerates/
	Mortality from invasive cancer of the oral cavity or pharynx	Cancer Registries, state specific mortality rates are available at

Topic Area	Indicators Approved by the Council of State & Territorial Epidemiologists, 1999-2015	Data Source and Link to Data Source or Interactive Data System
		http://statecancerprofiles.cancer.gov/deathrates/deathrates.html
Community Interventions	School-Based Health Centers that provide dental sealants	National Census of School-Based Health Centers, state data not currently available www.sbh4all.org/school-health-care/national-census-of-school-based-health-centers/ State specific information is included in ASTDD's annual members only Synopses report
	School-Based Health Centers that provide dental care	National Census of School-Based Health Centers, state data not currently available www.sbh4all.org/school-health-care/national-census-of-school-based-health-centers/ State specific information is included in ASTDD's annual members only Synopses report
	School-Based Health Centers that provide topical fluoride	National Census of School-Based Health Centers, state data not currently available www.sbh4all.org/school-health-care/national-census-of-school-based-health-centers/ State specific information is included in ASTDD's annual members only Synopses report
	Population served by community water fluoridation	Water Fluoridation Reporting System, state fluoridation statistics are available at http://www.cdc.gov/fluoridation/statistics/index.htm
Infrastructure	State-based oral health surveillance system	ASTDD State Synopses of Dental Public Health Programs, 2019 summary available at https://www.astdd.org/docs/synopses-summary-report-2019.pdf NOTE: The URL changes each year; for the most current document you may need to change the year in the URL

Table 2: Quick Reference Guide for the National Oral Health Surveillance System Indicators by Population Group

Topic Area	Indicators Approved by the Council of State & Territorial Epidemiologists, 1999-2015	Data Source and Link to Data Source or Interactive Data System
Head Start Children	Dental caries experience among children aged 3-5 years attending Head Start	State oral health survey - obtain data from individual state or CDC's Oral Health Data http://www.cdc.gov/oralhealthdata/index.html
	Untreated dental caries among children aged 3-5 years attending Head Start	State oral health survey - obtain data from individual state or CDC's Oral Health Data http://www.cdc.gov/oralhealthdata/index.html
	Urgent dental treatment need among children aged 3-5 years attending Head Start	State oral health survey - obtain data from individual state
Kindergarten Children	Dental caries experience among children attending kindergarten	State oral health survey - obtain data from individual state or CDC's Oral Health Data http://www.cdc.gov/oralhealthdata/index.html
	Untreated dental caries among children attending kindergarten	State oral health survey - obtain data from individual state or CDC's Oral Health Data http://www.cdc.gov/oralhealthdata/index.html
	Urgent dental treatment need among children attending kindergarten	State oral health survey - obtain data from individual state
Third Grade Children	Dental caries experience among 3rd grade children	State oral health survey - obtain data from individual state or CDC's Oral Health Data http://www.cdc.gov/oralhealthdata/index.html
	Untreated dental caries among 3rd grade children	State oral health survey - obtain data from individual state or CDC's Oral Health Data http://www.cdc.gov/oralhealthdata/index.html
	Urgent dental treatment need among 3rd grade children	State oral health survey - obtain data from individual state
	Dental sealants among 3rd grade children	State oral health survey - obtain data from individual state or CDC's Oral Health Data http://www.cdc.gov/oralhealthdata/index.html
Medicaid/CHIP Children 6-9 Years	Dental sealant use among children aged 6-9 years enrolled in Medicaid or CHIP Medicaid expansion	Form CMS-416 (more current data may be available from your state Medicaid agency) https://www.medicaid.gov/medicaid/benefits/early-and-periodic-screening-diagnostic-and-treatment/index.html
Adolescents in Grades 9-12	Dental visit among adolescents in grades 9-12	Youth Risk Behavior Surveillance System https://nccd.cdc.gov/youthonline/App/Default.aspx
Medicaid/CHIP Children 10-14 Years	Dental sealant use among children aged 10-14 years enrolled in Medicaid or CHIP Medicaid expansion	Form CMS-416 (more current data may be available from your state Medicaid agency) https://www.medicaid.gov/medicaid/benefits/early-and-periodic-screening-diagnostic-and-treatment/index.html
Children 1-17 Years	Preventive dental visit among children aged 1-17 years	National Survey of Children's Health, also available at CDC Chronic Disease Indicators https://www.childhealthdata.org/browse/survey http://www.cdc.gov/cdi/index.html
	Dental visit among children aged 1-17 years	National Survey of Children's Health, also available at CDC Chronic Disease Indicators https://www.childhealthdata.org/browse/survey http://www.cdc.gov/cdi/index.html
Medicaid/CHIP Children 1-20 Years	Preventive dental service for children aged 1-20 years enrolled in Medicaid or CHIP Medicaid expansion	Form CMS-416 (more current data may be available from your state Medicaid agency) https://www.medicaid.gov/medicaid/benefits/early-and-periodic-screening-diagnostic-and-treatment/index.html

Topic Area	Indicators Approved by the Council of State & Territorial Epidemiologists, 1999-2015	Data Source and Link to Data Source or Interactive Data System
	Any dental service for children aged 1-20 years enrolled in Medicaid or CHIP Medicaid expansion	Form CMS-416 (more current data may be available from your state Medicaid agency) https://www.medicaid.gov/medicaid/benefits/early-and-periodic-screening-diagnostic-and-treatment/index.html
School-Based Health Centers	School-Based Health Centers that provide dental sealants	National Census of School-Based Health Centers, state data not currently available www.sbh4all.org/school-health-care/national-census-of-school-based-health-centers/ State specific information is included in ASTDD's annual members only Synopses report
	School-Based Health Centers that provide dental care	National Census of School-Based Health Centers, state data not currently available www.sbh4all.org/school-health-care/national-census-of-school-based-health-centers/ State specific information is included in ASTDD's annual members only Synopses report
	School-Based Health Centers that provide topical fluoride	National Census of School-Based Health Centers, state data not currently available www.sbh4all.org/school-health-care/national-census-of-school-based-health-centers/ State specific information is included in ASTDD's annual members only Synopses report
Adults	Dental visit among adults aged ≥18 years	Behavioral Risk Factor Surveillance System, also available at CDC's Oral Health Data and Chronic Disease Indicators http://www.cdc.gov/brfss/brfssprevalence/index.html http://www.cdc.gov/oralhealthdata/index.html http://www.cdc.gov/cdi/index.html
	Dental visit among adults aged ≥18 years with diagnosed diabetes	Behavioral Risk Factor Surveillance System, available at CDC Chronic Disease Indicators (Category = Diabetes) http://www.cdc.gov/cdi/index.html
	No tooth loss among adults aged 18-64 years	Behavioral Risk Factor Surveillance System, available at CDC Chronic Disease Indicators http://www.cdc.gov/cdi/index.html
	Six or more teeth lost among adults aged ≥65 years	Behavioral Risk Factor Surveillance System, available at CDC's Oral Health Data and Chronic Disease Indicators http://www.cdc.gov/oralhealthdata/index.html http://www.cdc.gov/cdi/index.html
	All teeth lost among adults aged ≥65 years	Behavioral Risk Factor Surveillance System, also available at CDC's Oral Health Data and Chronic Disease Indicators http://www.cdc.gov/brfss/brfssprevalence/index.html http://www.cdc.gov/oralhealthdata/index.html http://www.cdc.gov/cdi/index.html
	Incidence of invasive cancer of the oral cavity or pharynx	Cancer Registries, state specific incidence rates are available at http://statecancerprofiles.cancer.gov/incidencerates/
	Mortality from invasive cancer of the oral cavity or pharynx	Cancer Registries, state specific mortality rates are available at http://statecancerprofiles.cancer.gov/deathrates/deathrates.html
Pregnant Women	Teeth cleaning among women <u>during</u> pregnancy	Pregnancy Risk Assessment Monitoring System https://www.cdc.gov/prams/prams-data/mch-indicators.html
	Teeth cleaning among women <u>before</u> pregnancy	Pregnancy Risk Assessment Monitoring System. NOTE: as of April 2020, the most current

Topic Area	Indicators Approved by the Council of State & Territorial Epidemiologists, 1999-2015	Data Source and Link to Data Source or Interactive Data System
		information available on the PRAMS website is for 2012-2015 https://www.cdc.gov/prams/prams-data/2015-mch-indicators.html
Vulnerable Older Adults	Untreated dental caries among adults 65+ years in long-term or skilled nursing facilities	State oral health survey - obtain data from individual state
	Untreated dental caries among adults 65+ years attending congregate meal sites	State oral health survey - obtain data from individual state
	Dental treatment need among adults 65+ years in long-term or skilled nursing facilities	State oral health survey - obtain data from individual state
	Dental treatment need among adults 65+ years attending congregate meal sites	State oral health survey - obtain data from individual state
All Ages & Infrastructure	Population served by community water fluoridation	Water Fluoridation Reporting System, state fluoridation statistics are available at http://www.cdc.gov/fluoridation/statistics/index.htm
	Population receiving oral health services at Federally Qualified Health Centers	HRSA's Uniform Data System http://bphc.hrsa.gov/datareporting/index.html
	State-based oral health surveillance system	ASTDD State Synopses of Dental Public Health Programs, 2019 summary available at https://www.astdd.org/docs/synopses-summary-report-2019.pdf NOTE: The URL changes each year; for the most current document you may need to change the year in the URL

Table 3: Detailed State Surveillance Data Reference Guide by Population Group – All State-Level Oral Health Data

NOTE: As of April 2020, the HP2030 objectives were not finalized. For that reason, this document includes HP2020 objectives.

Population Group	Indicator	NOHSS Indicator	HP2020 Indicator	Data Source(s)	Comments:
Newborns	Prevalence or number of annual cases of cleft lip with or without cleft palate per live birth	No	--	Primary Data Source: State Birth Defects Registry: Add your state’s source or contact here	HP2020 objective OH-15.1 is to increase the number of states having a state system for registering and OH-15.2 is to increase the number of states with a system for referring patients with craniofacial anomalies.
	Related HP objective for increasing number of state registry and referral systems	No	OH-15	Additional Data Source: The National Birth Defects Prevention Network (NBDPN) maintains state birth defects profiles for states that contribute data. https://www.nbdpn.org/state_profiles.php	According to CDC, 43 states have birth defect tracking programs – search for birth defect tracking programs/registries for your state.
Head Start Children	Percent with: <ul style="list-style-type: none"> Decay experience Untreated decay Urgent dental treatment needs Any dental treatment need Sealants on primary molars 	Yes	(ages 3-5) OH-1.1	Source for NOHSS Indicators: State oral health surveys. If a state has conducted a survey and submitted results to NOHSS, summary data is available at: http://www.cdc.gov/oralhealthdata/index.html NOTE: Most states do not collect data on primary molar sealants. As of April 2020, information on urgent dental treatment needs is not available through CDC’s Oral Health Data. Data must be obtained from the individual state. Additional Source for Dental Treatment Need: The Office of Head Start Program Information Report (PIR) provides comprehensive data on the services, staff, children, and families served by Head Start and Early Head Start programs including need for dental treatment. PIR data at the grantee and state level is publicly available through a password protected account. https://eclkc.ohs.acf.hhs.gov/data-ongoing-monitoring/article/program-information-report-pir	Not all states have conducted oral health surveys of Head Start children.
		Yes	OH-2.1		Discuss availability and standardization of PIR data with State Head Start Collaboration Office.
		Yes	--		National Data: NHANES, 2011-2016 CDC’s 2019 Oral Health Surveillance Report includes information on the prevalence of decay experience and untreated decay in primary teeth among children 2-5 years of age https://www.cdc.gov/oralhealth/publications/OHSR-2019-index.html
		No	--		
Kindergarten Children	Percent with: <ul style="list-style-type: none"> Decay experience Untreated decay Urgent dental treatment needs Any dental treatment need Sealants on primary molars 	No	OH-12.1	Source for NOHSS Indicators: State oral health surveys. If a state has conducted a survey and submitted results to NOHSS, summary data is available at: http://www.cdc.gov/oralhealthdata/index.html NOTE: Most states do not collect data on primary molar sealants. As of April 2020, information on urgent dental treatment needs is not available through CDC’s Oral Health Data. Data must be obtained from the individual state.	Not all states have conducted oral health surveys of kindergarten children. National Data: NHANES, 2011-2016 CDC’s 2019 Oral Health Surveillance Report includes information on the prevalence of decay experience and untreated decay in primary teeth among children 2-5 and 6-8 years of age https://www.cdc.gov/oralhealth/publications/OHSR-2019-index.html NHANES captures data for treatment needs but a report with this indicator has not been published.
		Yes	OH-1.1		
		Yes	OH-2.1		
		Yes	--		

Population Group	Indicator	NOHSS Indicator	HP2020 Indicator	Data Source(s)	Comments:
					<i>Note differences between state and national estimates regarding age groups and populations (low-income, etc.)</i>
Third Grade Children	Percent with: <ul style="list-style-type: none"> Decay experience Untreated decay Urgent dental treatment needs Any dental treatment need Sealants on permanent molars 	Yes Yes Yes No Yes	(ages 6-9) OH-1.2 OH-2.2 -- -- OH-12.2	<p>Source for NOHSS Indicators: State oral health surveys. If a state has conducted a survey and submitted results to NOHSS, summary data is available at: http://www.cdc.gov/oralhealthdata/index.html</p> <p>NOTE: As of April 2020, information on urgent dental treatment needs is not available through CDC’s Oral Health Data. Data must be obtained from the individual state.</p>	<p>Not all states have conducted oral health surveys of kindergarten children.</p> <p>National Data: NHANES, 2011-2016 CDC’s 2019 Oral Health Surveillance Report includes information on the prevalence of decay experience and untreated decay in primary teeth among children 6-8 years of age and permanent teeth among children 6-11 years. It also includes information on dental sealants for children 6-11 years. https://www.cdc.gov/oralhealth/publications/OHSR-2019-index.html</p> <p>NHANES captures data for treatment needs but a report with this indicator has not been published.</p> <p><i>Note differences between state and national estimates regarding age groups and populations (low-income, etc.)</i></p>
Children 1-17 Years	Percent with: <ul style="list-style-type: none"> Any dental visit Preventive dental visit Parent reported condition of children’s teeth Parent reported oral health problems 	Yes Yes No No	OH-7 OH-8 -- --	<p>Primary Data Source: National Survey of Children’s Health. The Data Resource Center for Child & Adolescent Health takes the results from the NSCH and makes them easily accessible. NSCH was redesigned in 2016 and data from 2016 to present are available for the nation and for each state. State and national data can be refined to assess differences by race/ethnicity, income, and a variety of other important characteristics. https://www.childhealthdata.org/browse/survey</p>	HP2020 objective OH-7 is for all people and OH-8 is for children and adolescents aged 2 to 18 at or below 200 percent of the Federal poverty level.
Children 1-20 Years with Medicaid or CHIP Medicaid Expansion	Percent with: <ul style="list-style-type: none"> Any dental visit Preventive dental visit Treatment dental visit Sealants <ul style="list-style-type: none"> 6-9 year olds 10-14 year olds 	Yes Yes No Yes Yes	OH-7 OH-8 -- OH 12.2 OH 12.3	<p>Primary Data Source: Annual EPSDT utilization data. Form CMS-416 is used by CMS to collect basic information on state Medicaid and CHIP programs to assess the effectiveness of EPSDT. National and state specific information from Form CMS-416 is available at the following link. More current data may be available from your state Medicaid agency. https://www.medicaid.gov/medicaid/benefits/early-and-periodic-screening-diagnostic-and-treatment/index.html</p> <p>Items from Form CMS-416: 12a Total eligibles receiving any dental service 12b Total eligibles receiving preventive dental services 12c Total eligibles receiving dental treatment</p>	<p>HP2020 objective OH-7 is for all people and OH-8 is for children and adolescents aged 2 to 18 at or below 200 percent of the Federal poverty level.</p> <p>National Data: Medical Expenditure Panel Survey (MEPS) Available from AHRQ MEPSnet Web site https://meps.ahrq.gov/mepsweb/data_stats/MEPSnetHC/startup</p> <p>Can query “Utilization, Expenditure, and SOP Variables” then “Dental Visits”, which provides access to MEPS data to query on different types of services and population subgroups (e.g. medical and dental insurance status, income, age)</p>

Population Group	Indicator	NOHSS Indicator	HP2020 Indicator	Data Source(s)	Comments:
				<p>12d Total eligibles receiving a sealant on a permanent molar</p> <p>To calculate percent, divide by item 1b = EPSDT eligibles enrolled continuously for 90 days</p> <p>State Medicaid/CHIP agency: Add your state's contact here</p>	
Children	Number and percent enrolled in Medicaid & CHIP	No	--	<p>Data Source for Number Enrolled: CMS, Medicaid and CHIP enrollment data https://www.medicaid.gov/medicaid/national-medicaid-chip-program-information/medicaid-chip-enrollment-data/index.html</p> <p>State Medicaid/CHIP agency: Add your state's contact here</p>	To calculate percent, divide number enrolled by state population under 21. Population estimates can be found using the "Explore Census Data" tool. Type in your state name and population and a table will be generated (e.g. California population). https://data.census.gov/cedsci/
School Children	Percent eligible for the National School Lunch Program (NSLP), also referred to as the free or reduced price lunch program	No	--	<p>Primary Data Source: The best source for state data is your state's department of education. Most states provide this information online at the state, district and school level.</p> <p>State Department of Education: Add state contact here</p> <p>State DOE NSLP website link: Add your state's info here</p>	State, district and school NSLP data can also be found using the Table Generator function at the National Center for Education Statistics website: https://nces.ed.gov/ccd/elsi/
Children with Special Health Care Needs	Percent with: <ul style="list-style-type: none"> Any dental visit Preventive dental visit Parent reported condition of children's teeth Parent reported oral health problems 	Yes Yes No No	OH-7 OH-8 -- --	<p>Primary Data Source: National Survey of Children's Health (NSCH). In 2016, the National Survey of Children with Special Health Care Needs (NS-CSHCN) was merged with NSCH. The Data Resource Center for Child & Adolescent Health takes the results from the NSCH and makes them easily accessible. State and national data can be refined to assess differences by whether or not a child has special health care needs. https://www.childhealthdata.org/browse/survey</p>	
Adolescents in Grades 9-12	Percent with: <ul style="list-style-type: none"> Any dental visit Percent using: <ul style="list-style-type: none"> Tobacco products Cigarettes Smokeless tobacco Cigars 	Yes No No No No	OH-7 TU-2.1 TU-2.2 TU-2.3 TU-2.4	<p>Primary Data Source: Youth Risk Behavior Survey https://nccd.cdc.gov/youthonline/App/Default.aspx</p> <p>State YRBS Coordinator: Add your state's contact here</p>	Not all states participate in YRBS. Refer to the following site to see if your state receives CDC funds to support the YRBS. https://www.cdc.gov/healthyyouth/partners/funded_states.htm
Adults 18+ years	Percent with: <ul style="list-style-type: none"> Any dental visit Percent of adults with diagnosed diabetes having a dental visit	Yes Yes	OH-7 --	<p>Primary Data Source: Behavioral Risk Factor Surveillance System (BRFSS) – even numbered years http://www.cdc.gov/brfss/brfssprevalence/index.html</p> <p>More information may be available from the public use data sets than from the BRFSS web-based data query tools.</p>	HP2020 objective OH-7 is for all people 2+ years. Exact question wording is available from the BRFSS website http://www.cdc.gov/brfss/questionnaires/index.htm National Data:

Population Group	Indicator	NOHSS Indicator	HP2020 Indicator	Data Source(s)	Comments:
				<p>NOTE: Percent of adults with diabetes having a dental visit is available at CDC’s Chronic Disease Indicators. http://www.cdc.gov/cdi/index.html</p> <p>State BRFSS Coordinator: Add your state’s contact here</p> <p>Your state’s BRFSS Coordinator may be listed here: http://www.cdc.gov/brfss/state_info/coordinators.htm</p>	<p>Medical Expenditure Panel Survey (MEPS) Available from AHRQ MEPSnet Web site https://meps.ahrq.gov/mepsweb/data_stats/MEPSnetHC/startup Can query “Utilization, Expenditure, and SOP Variables” then “Dental Visits”, which provides access to MEPS data to query on different types of services and population subgroups (e.g. medical and dental insurance status, income, age)</p> <p>States may add optional questions to BRFSS – requires SOHP effort.</p>
Adults 18-64 years	Percent with: <ul style="list-style-type: none"> • No tooth loss • 6+ teeth lost 	Yes No	(45-64 yrs) OH-4.1 --	<p>Primary Data Source: Behavioral Risk Factor Surveillance System (BRFSS) – even numbered years http://www.cdc.gov/brfss/brfssprevalence/index.html</p> <p>NOTE: Tooth loss information on the BRFSS site is for adults 18+ years. Data limited to adults 18-64 years are available at CDC’s Chronic Disease Indicators. http://www.cdc.gov/cdi/index.html</p> <p>More information may be available from the public use data sets than from the BRFSS web-based data query tools.</p> <p>State BRFSS Coordinator: Add your state’s contact here</p> <p>Your state’s BRFSS Coordinator may be listed here: http://www.cdc.gov/brfss/state_info/coordinators.htm</p>	<p>National Data: NHANES, 2011-2016 CDC’s 2019 Oral Health Surveillance Report includes information on dental caries, edentulism and tooth retention among adults 18-64 years of age https://www.cdc.gov/oralhealth/publications/OHSR-2019-index.html</p> <p>NHANES captures additional oral health data. The data sets are available, but a report with additional indicators has not been published.</p> <p><i>Note differences between state and national estimates regarding age groups and populations (low-income, etc.)</i></p>
Adults 65+ years	Percent with: <ul style="list-style-type: none"> • 6+ teeth lost • All teeth lost 	Yes Yes	(65-74 yrs) -- OH-4.2	<p>Primary Data Source: Behavioral Risk Factor Surveillance System (BRFSS) – even numbered years http://www.cdc.gov/brfss/brfssprevalence/index.html http://www.cdc.gov/oralhealthdata/index.html http://www.cdc.gov/cdi/index.html</p> <p>More information may be available from the public use data sets than from the BRFSS web-based data query tools.</p> <p>NOTE: Information on percent that have lost 6+ teeth is available at CDC’s Oral Health Data and Chronic Disease Indicators, but not BRFSS.</p> <p>State BRFSS Coordinator: Add your state’s contact here</p> <p>Your state’s BRFSS Coordinator may be listed here: http://www.cdc.gov/brfss/state_info/coordinators.htm</p>	<p>National Data: NHANES, 2011-2016 CDC’s 2019 Oral Health Surveillance Report includes information on dental caries, edentulism and tooth retention among adults 65+ years of age https://www.cdc.gov/oralhealth/publications/OHSR-2019-index.html</p> <p>NHANES captures additional oral health data. The data sets are available, but a report with additional indicators has not been published.</p> <p><i>Note differences between state and national estimates regarding age groups and populations (low-income, etc.)</i></p>

Population Group	Indicator	NOHSS Indicator	HP2020 Indicator	Data Source(s)	Comments:
Adults	• Incidence of oral and pharyngeal cancer	Yes	--	Primary Data Source: State cancer registry and state vital statistics. State specific data is available at http://statecancerprofiles.cancer.gov/	<p>*Note: State data for stage at diagnosis may be available through your state cancer registry contact. Ask about staging method used (AJCC Collaborative Staging method or other). National data available from NCI SEER data. http://seer.cancer.gov/</p> <p>Additional Resources American Cancer Society http://www.cancer.org/research/cancerfactsstatistics/index National Institutes of Health, National Cancer Institute http://www.cancer.gov/about-cancer/what-is-cancer/statistics Centers for Disease Control and Prevention http://www.cdc.gov/cancer/dcpc/data/</p>
	• Oral and pharyngeal cancer deaths	Yes	C-6	State Cancer Registry: Add your state's contact here Your state cancer registry contact may be listed here http://www.cdc.gov/cancer/npcr/	
	• Stage of oral and pharyngeal cancer at the time of diagnosis*	No	OH-6	State Vital Statistics: Add your state's contact here	
	• Oral/pharyngeal cancer screening by dental provider in past year	No	OH-14.2	Cancer screening information may be available through optional BRFSS questions added at state level.	
Pregnant Women	Percent with:			Primary Data Source: Pregnancy Risk Assessment Monitoring System https://www.cdc.gov/prams/prams-data/mch-indicators.html	<p>According to CDC, 47 states, the District of Columbia, New York City and Puerto Rico participate in PRAMS. The question on teeth cleaning before pregnancy was added to the core in 2009 while the question on teeth cleaning during pregnancy was added in 2012. States may also use standardized OH questions on the optional questionnaire and can also add state specific questions.</p> <p>NOTE: Availability of PRAMS data varies by state. Check with your PRAMS coordinator or CDC website for PRAMS questionnaires and data.</p>
	• Teeth cleaning before pregnancy	Yes	--	State PRAMS Coordinator: Add your state's contact here	
Vulnerable Older Adults	• Teeth cleaning during pregnancy	Yes	--		
	• Teeth cleaning during pregnancy	Yes	--		
Vulnerable Older Adults	Percent of long term care residents with:			Primary Data Source: State oral health surveys. Contact state oral health program to determine if they have conducted a survey of vulnerable older adults.	Not all states have conducted oral health surveys of vulnerable older adults.
	• Untreated decay	Yes	--		
Vulnerable Older Adults	• Dental treatment needs	Yes	--		
	Percent of congregate meal site participants with:				
Vulnerable Older Adults	• Untreated decay	Yes	--		
	• Dental treatment needs	Yes	--		
All Ages FQHC patients	Population receiving oral health services at FQHCs	Yes	--	Primary Data Source: HRSA Uniform Data System. Annual data is available at the state and individual health center level. http://bphc.hrsa.gov/datareporting/index.html	
School-based dental services	Percent of school-based health centers that offer:		OH-9	Primary Data Source: The School-Based Health Alliance's National Census of School-Based Health Centers since 1998. www.sbh4all.org/school-health-care/national-census-of-school-based-health-centers/	HP2020 objective OH-9 is to increase the proportion of school-based health centers with an oral health component.
	• Dental sealants	Yes	OH-9.1		Additional Resource: School Health Profiles provides

Population Group	Indicator	NOHSS Indicator	HP2020 Indicator	Data Source(s)	Comments:
	<ul style="list-style-type: none"> Restorative services Topical fluoride 	<p>Yes</p> <p>Yes</p>	<p>OH-9.2</p> <p>OH-9.3</p>	<p>Note: The SBHA Census data are based on responding SBHCs and may not represent data for all SBHCs in each state. State specific data reports are not publicly available but oral health information by state can be found in ASTDD’s annual members’ only Synopses report.</p> <p>State’s SBHA Contact: Add your state’s contact here</p>	<p>representative data on school health policies and practices in states, large urban school districts and territories.</p> <p>https://www.cdc.gov/healthyouth/data/profiles/results.htm</p>
Community Water Fluoridation	<p>Percentage of population on public water supplies with optimally fluoridated water</p> <p>HP indicator based on systems with optimal fluoride target. ASTDD indicator based on monthly operational data submitted to WFRS establishing fluoridated systems that maintain levels within target range.</p>	<p>Yes</p>	<p>OH-13</p>	<p>Fluoridation Statistics: These statistics are prepared using water system data reported by states to the CDC Water Fluoridation Reporting System (WFRS) and the U.S. Census Bureau population estimates.</p> <p>http://www.cdc.gov/fluoridation/statistics/index.htm</p> <p>State Fluoridation Reports: List of public water systems with their fluoridation status along with the county and population each system serves.</p> <p>https://nccd.cdc.gov/DOH_MWF/Reports/Default.aspx</p> <p>State drinking water program contact: Add your state’s contact here</p> <p>State WFRS contact: Add your state’s contact here</p> <p>ADDITIONAL RESOURCES: My Water’s Fluoride: Provides information about local water system’s fluoridation status. Currently available only for states that voluntarily participate in WFRS.</p> <p>https://nccd.cdc.gov/DOH_MWF/Default/Default.aspx</p> <p>WFRS: An online tool to help states manage the quality of their water fluoridation programs. WFRS is the basis for the national and state fluoridation statistics.</p> <p>https://www.cdc.gov/fluoridation/data-tools/reporting-system.html</p>	<p>Water fluoridation statistics are based on WFRS data for the target fluoridation level, which is available for all states. The estimate includes adjusted systems, naturally fluoridated systems, and consecutive systems (those that purchase water from adjusted or naturally fluoridated systems).</p> <p>Work with your state’s drinking water program to be sure fluoridation data are submitted on time.</p> <p>Note: Fluoridation data in WFRS requires state effort to submit the data.</p>
Workforce	<p>Number of :</p> <ul style="list-style-type: none"> Dentists Dental hygienists Dental therapists 	<p>No</p> <p>No</p> <p>No</p>	<p>--</p> <p>--</p> <p>--</p>	<p>Primary Data Source: State occupational/professional licensing board. Your states dental licensing board’s contact information may be listed here</p> <p>http://www.dentalboards.org/</p> <p>State dental licensing board: Add your state’s contact here</p> <p>Additional Resources: Professionally Active Dentists by Specialty</p> <p>http://kff.org/other/state-indicator/dentists-by-specialty-field/</p>	<p>The American Dental Association publishes reports on the number and distribution of dentists by state. A spreadsheet with the number of dentists by state from 2001 to 2019, U.S. population figures, the number of dentists per 100,000 population, and the supply of dentists in the US by practice, research or administration area as well as by age and gender is available at:</p> <p>https://www.ada.org/en/science-research/health-policy-institute/data-center/supply-and-profile-of-dentists</p>

Population Group	Indicator	NOHSS Indicator	HP2020 Indicator	Data Source(s)	Comments:
Workforce	Dental Health Professional Shortage Areas	No	--	<p>A list of dental professional shortage areas by state can be found at: https://data.hrsa.gov/tools/shortage-area/hpsa-find</p> <p>State HPSA Contact: Add your state's contact here</p>	
Workforce	<p>Number of dentists that are:</p> <ul style="list-style-type: none"> • Enrolled Medicaid providers • Active Medicaid providers • Significant Medicaid providers 	No	--	<p>Primary Data Source: State Medicaid Program</p> <p>State Medicaid Agency Dental Consultant: Add your state's contact here</p>	<p>Data may be available from the Medicaid-CHIP State Dental Association (MSDA): http://www.medicaidental.org/</p> <p>The 2017 national profile of Medicaid/CHIP Programs with dentist program enrollment and level of participation is available at: http://www.msdanationalprofile.com/</p>

Acronyms used in this document:

- AHRQ: Agency for Healthcare Research and Quality
- ASTDD: Association of State and Territorial Dental Directors
- BRFSS: Behavioral Risk Factor Surveillance System
- CDC: Centers for Disease Control and Prevention
- CHIP: Children's Health Insurance Program
- CMS: Centers for Medicare & Medicaid Services
- CMS-416: Annual Early and Periodic Screening, Diagnostic and Treatment (EPSDT) report
- CSTE: Council of State and Territorial Epidemiologists
- EPSDT: Early and Periodic Screening, Diagnostic and Treatment
- HP2020: Healthy People 2020 (C-Cancer, OH-Oral Health, TU-Tobacco Use)
- HPSA: Health Professional Shortage Area
- HRSA: Health Resources and Services Administration
- MEPS: Medical Expenditure Panel Survey
- NBDPN: National Birth Defects Prevention Network
- NCI: National Cancer Institute
- NHANES: National Health and Nutrition Examination Survey
- NOHSS: National Oral Health Surveillance System
- NSCH: National Survey of Children's Health
- NSLP: National School Lunch Program
- PIR: Office of Health Start Program Information Report
- PRAMS: Pregnancy Risk Assessment Monitoring System
- SBHA: School-Based Health Alliance
- SEER: National Cancer Institute's Surveillance, Epidemiology and End Results Program
- SOHSS: State-based oral health surveillance system
- WFRS: Water Fluoridation Reporting System
- YRBS: Youth Risk Behavior Survey