Healthy People 2020
Oral Health Topic Area

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UCSF Dental Public Health Webinar Series

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Disclosures

Neither I nor members of my immediate family have any financial relationships with commercial entities that may be relevant to this presentation.

The findings and conclusions in this report are those of the author(s) and do not necessarily represent the official position of the Centers for Disease Control and Prevention.
Office of Disease Prevention and Health Promotion, (ODPHP) Authorizing Legislation

Title XVII – Public Health Act

- Formulate national goals, and a strategy to achieve such goals, with respect to health information and health promotion, preventive health services, and education in the appropriate use of health care.
- Coordinate disease prevention and health promotion activities, preventive health services, and health information and education within HHS.
- Coordinate such activities in the private sector.
- Establish a national health information clearinghouse.
- Support projects, conduct research and disseminate information.
Purpose of Healthy People

- Assess the impact of disease prevention and health promotion activities.
- Identify nationwide health improvement priorities.
- Increase public awareness and understanding of the determinants of health, disease, and disability and opportunities for progress.
- Provide measurable objectives and goals that are applicable at the national, state, and local levels.
- Engage multiple sectors to take actions to strengthen policies and improve practices that are driven by the best available evidence and knowledge.
- Identify critical research, evaluation, and data collection needs.
What is Healthy People?

- Provides a strategic framework for a national agenda that communicates a vision for improving health and achieving health equity.

- Identifies science-based, measurable objectives with targets to be achieved by the year 2020.

- Requires tracking of data-driven outcomes to monitor progress and to motivate, guide, and focus action.

- Offers model for international, state, and local program planning.
## Four Decades of Healthy People

<table>
<thead>
<tr>
<th>Target Year</th>
<th>1990</th>
<th>2000</th>
<th>2010</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Overarching Goals</strong></td>
<td>• Decrease mortality: infants–adults • Increase independence among older adults</td>
<td>• Increase span of healthy life • Reduce health disparities</td>
<td>• Increase quality and years of healthy life • Eliminate health disparities</td>
<td>• Attain high-quality, longer lives free of preventable disease • Achieve health equity; eliminate disparities • Create social and physical environments that promote good health • Promote quality of life, healthy development, healthy behaviors across life stages</td>
</tr>
<tr>
<td><strong>LHIs</strong></td>
<td>10 topics 22 Indicators</td>
<td>12 topics 26 indicators</td>
<td></td>
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<tr>
<td><strong>Topic Areas</strong></td>
<td>15</td>
<td>22</td>
<td>28</td>
<td>42</td>
</tr>
<tr>
<td><strong>Objectives</strong></td>
<td>226</td>
<td>319</td>
<td>~1,000</td>
<td>&gt;1,200</td>
</tr>
</tbody>
</table>
### Healthy People 2020 Topic Areas

- Access to Health Services
- Adolescent Health
- Arthritis, Osteoporosis, and Chronic Back Conditions
- Blood Disorders and Blood Safety
- Cancer
- Chronic Kidney Disease
- Dementias, including Alzheimer’s Disease
- Diabetes
- Disability and Health
- Early and Middle Childhood
- Educational and Community-Based Programs
- Environmental Health
- Family Planning
- Food Safety
- Genomics
- Global Health
- Health-related Quality of Life and Well-being
- Health Communication and Health Information Technology
- Healthcare Associated Infections
- Heart Disease and Stroke
- Hearing and Other Sensory or Communication Disorders
- HIV
- Immunization and Infectious Diseases
- Injury and Violence Prevention

- Lesbian, Gay, Bisexual, Transgender Health
- Maternal, Infant, and Child Health
- Medical Product Safety
- Mental Health and Mental Disorders
- Nutrition and Weight Status
- Occupational Safety and Health
- Older Adults
- Oral Health
- Physical Activity
- Public Health Infrastructure
- Preparedness
- Respiratory Diseases
- Sexually Transmitted Diseases
- Substance Abuse
- Sleep Health
- Social Determinants of Health
- Tobacco Use
- Vision
Healthy People 2020 Oral Health Objectives

**Oral Health of Children and Adolescents**

**OH-1** Dental caries experience in primary teeth: children and adolescents (ages 3 to 5 years, 6 to 9 years, 13 to 15 years)

**OH-2** Untreated dental decay in children and adolescents (ages 3 to 5 years, 6 to 9 years, 13 to 15 years)

**Oral Health of Adults**

**OH-3** Untreated dental decay in adults (ages 35 to 44 years, 65 to 74 years)

**OH-4** No permanent tooth loss (ages 45 to 64 years, 65 to 74 years)

**OH-5** Periodontal disease: adults (ages 45 to 74 years)

**OH-6** Oral and pharyngeal cancer early detection
Healthy People 2020 Oral Health Objectives (continued)

Access to Preventive Services

OH-7 Oral health care system use (2 years and older)
OH-8 Dental service use: low-income children (2 to 18 years)
OH-9 School-based centers with an oral health component
OH-10 Health centers with an oral health component
OH-11 Oral health services receipt at health centers

Oral Health Interventions

OH-12 Dental sealants (ages 3 to 5 years, 6 to 9 years, 13 to 15 years)
OH-13 Fluoridation of community water
OH-14 Preventive dental screening and counseling
Healthy People 2020 Oral Health Objectives (continued)

Monitoring, Surveillance Systems

OH-15 Systems that record cleft lip or palate and referrals
OH-16 Oral and craniofacial health surveillance: states

Public Health Infrastructure

OH-17 Health agencies with a dental professional directing their dental program
# Data Sources for HP 2020 Oral Health Objectives

<table>
<thead>
<tr>
<th>Data Source</th>
<th>Objectives</th>
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<tbody>
<tr>
<td>National Health and Nutrition Examination Survey (NHANES)</td>
<td>18 Objectives</td>
</tr>
<tr>
<td>Association of State and Territorial Dental Directors (Annual ASTDD Synopsis)</td>
<td>6 objectives</td>
</tr>
<tr>
<td>School-Base Health Alliance (SBHA)</td>
<td>3 objectives</td>
</tr>
<tr>
<td>Medical Expenditure Panel Survey (MEPS)</td>
<td>2 objectives</td>
</tr>
<tr>
<td>Uniform Data System (UDS)</td>
<td>2 objectives</td>
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<tr>
<td>Cancer Registry Data</td>
<td>1 objective</td>
</tr>
<tr>
<td>Indian Health Service (IHS)</td>
<td>1 objective</td>
</tr>
<tr>
<td>Water Fluoridation Reporting System (WFRS)</td>
<td>1 objective</td>
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</table>
National Health and Nutrition Examination Survey (NHANES)
Mobile Examination Center
# OH-1 Dental Caries Experience

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Ages 3 to 5</td>
<td>33.3%</td>
<td>29.7%</td>
<td>30.0%</td>
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<tr>
<td>(OH-1.1)</td>
<td></td>
<td></td>
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<tr>
<td>Ages 6 to 9</td>
<td>54.4%</td>
<td>51.7%</td>
<td>49.0%</td>
</tr>
<tr>
<td>(OH-1.2)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ages 13 to 15</td>
<td>53.7%</td>
<td>49.9%</td>
<td>48.3%</td>
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<tr>
<td>(OH-1.3)</td>
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## OH-2 Untreated Dental Decay

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<tbody>
<tr>
<td>Ages 3 to 5</td>
<td>23.8%</td>
<td>14.1%</td>
<td>21.4%</td>
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<tr>
<td>(OH-2.1)</td>
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</tr>
<tr>
<td>Ages 6 to 9</td>
<td>28.8%</td>
<td>16.2%</td>
<td>25.9%</td>
</tr>
<tr>
<td>(OH-2.2)</td>
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</tr>
<tr>
<td>Ages 13 to 15</td>
<td>17.0%</td>
<td>12.9%</td>
<td>15.3%</td>
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<tr>
<td>(OH-2.3)</td>
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</tbody>
</table>
# OH-3 Untreated Dental Decay Among Adults

<table>
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<tbody>
<tr>
<td>Ages 35 to 44</td>
<td>27.8%</td>
<td>31.3%</td>
<td>25.0%</td>
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<tr>
<td>(OH-3.1)</td>
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</tr>
<tr>
<td>Ages 65 to 74</td>
<td>17.1%</td>
<td>19.1%</td>
<td>15.4%</td>
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<td>(OH-3.2)</td>
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</table>
OH-4.1 Reduce the proportion of adults who have ever had a permanent tooth extracted (aged 45 to 64 years)

- Baseline (1999–2004) 76.4%
- Current Estimate (2013–2014) 72.0%
- HP 2020 Target 68.8%
OH-4.2 Reduce the proportion of adults who have lost all of their natural teeth (aged 65 to 74 years)

- Baseline (1999–2004) 24.0%
- Current Estimate (2013–2014) 15.2%
- HP 2020 Target 21.6%
OH-5 Moderate or Severe Periodontitis—Adults (aged 45 to 74 years)

- Baseline (2009-2010) 47.5%
- Current Estimate (2013-2014) 37.4%
- HP 2020 Target 40.8%
## OH-12 Dental Sealants

<table>
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<tr>
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<tbody>
<tr>
<td>3 to 5 years</td>
<td>1.4%</td>
<td>DSU</td>
<td>1.5%</td>
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<tr>
<td>(OH-12.1)</td>
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<tr>
<td>6 to 9 years</td>
<td>25.5%</td>
<td>40.7%</td>
<td>28.1%</td>
</tr>
<tr>
<td>(OH-12.2)</td>
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</tr>
<tr>
<td>13 to 15 years</td>
<td>19.9%</td>
<td>42.6%</td>
<td>21.9%</td>
</tr>
<tr>
<td>(OH-12.3)</td>
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</tbody>
</table>

DSU = Data do not meet criteria for statistical reliability.
Leading Health Indicators – 12 Topics

- Access to Health Services
- Clinical Preventive Services
- Environmental Quality
- Injury and Violence
- Maternal, Infant, and Child Health
- Mental Health
- Nutrition, Physical Activity, and Obesity
- Oral Health
- Reproductive and Sexual Health
- Social Determinants
- Substance Abuse
- Tobacco

12 LHI Topics, 26 Indicators
Leading Health Indicator

Dental Visits in the past year OH-7
(Age 2 years and older)

- Baseline (2007) 44.5%
- Current Estimate (2014) 43.2%
- Target 49.0%
HP 2020 Updates

- Midcourse Review Release
- HP 2030 Secretary’s Advisory Committee
- Progress Review 2017, Paired with Access to Health Services
- LHI Data Bulletin 2017
- LHI Webinar 2018
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TWITTER @gohealthypeople
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YOUTUBE ODPHP
[search “healthy people”]
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  - Dr. Christopher Halliday IHS
    - Dr. Tim Iafolla, NIDCR
Thank you!

Questions?
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