HEALTHY PEOPLE 2020/2030

AMERICAN INSTITUTE FOR DENTAL PUBLIC HEALTH (AIDPH) COLLOQUIUM
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DIRECTOR, CDC DENTAL PUBLIC HEALTH RESIDENCY PROGRAM
HEALTHY PEOPLE CO-LEADS FOR THE ORAL HEALTH TOPIC AREA

• Healthy People Co-Leads
  • Dr. Gina Thornton-Evans, CDC
  • Dr. Tim Iafolla, NIDCR
  • Dr. Renee Joskow, HRSA
  • RADM Timothy Ricks, IHS
• 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.
## 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</td>
<td>• Increase span of healthy life</td>
<td>• Increase quality and years of healthy life</td>
<td>• Attain high-quality, longer lives free of preventable disease</td>
</tr>
<tr>
<td></td>
<td>• Increase independence among older adults</td>
<td>• Reduce health disparities</td>
<td>• Eliminate health disparities</td>
<td>• Achieve health equity; eliminate disparities</td>
</tr>
<tr>
<td></td>
<td>• Achieve access to preventive services for all</td>
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<td></td>
<td>• Create social and physical environments that promote good health</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Promote quality of life, healthy development, healthy behaviors across life stages</td>
</tr>
<tr>
<td><strong>LHIs</strong></td>
<td>10 topics</td>
<td>12 topics</td>
<td>10 topics</td>
<td>12 topics</td>
</tr>
<tr>
<td></td>
<td>22 Indicators</td>
<td>26 indicators</td>
<td>22 Indicators</td>
<td>26 indicators</td>
</tr>
<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>
HISTORY OF HEALTHY PEOPLE AND THE ORAL HEALTH OBJECTIVES

  • Healthy People 1990: Promoting Health/Preventing Disease: Objectives for the Nation
    • 12 objectives
  • Healthy People 2000: National Health Promotion and Disease Prevention Objectives
    • 43 objectives
• Healthy People 2010: Objectives for Improving Health
  • 26 objectives
• Healthy People 2020
  • 33 objectives
• Healthy People 2030-Proposed
  • 11 objectives
<table>
<thead>
<tr>
<th>Data Source</th>
<th>Objectives</th>
</tr>
</thead>
<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</td>
<td>6 objectives—no longer used</td>
</tr>
<tr>
<td>(Annual ASTDD Synopsis)</td>
<td></td>
</tr>
<tr>
<td>School-Base Health Alliance (SBHA)</td>
<td>3 objectives—no longer used</td>
</tr>
<tr>
<td>Medical Expenditure Panel Survey (MEPS)</td>
<td>2 objectives—Dental Visit only</td>
</tr>
<tr>
<td>Uniform Data System (UDS)</td>
<td>2 objectives—no longer used</td>
</tr>
<tr>
<td>Cancer Registry Data</td>
<td>1 objective</td>
</tr>
<tr>
<td>Indian Health Service (IHS)</td>
<td>1 objective—no longer used</td>
</tr>
<tr>
<td>Water Fluoridation Reporting System (WFRS)</td>
<td>1 objective</td>
</tr>
</tbody>
</table>
NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY (NHANES) MOBILE EXAMINATION CENTER
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)
  • Changes for HP 2030, age groups
HEALTHY PEOPLE 2020 ORAL HEALTH OBJECTIVES

- Oral Health of Adults *(Changes for HP 2030, age groups for OH-3 to OH-5)*
  - 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

• 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)
    • Changes for HP 2030, the data source
  • OH-9 School-based centers with an oral health component
    • Changes for HP 2030, archived
  • OH-10 Health centers with an oral health component
    • Changes for HP 2030, archived
  • OH-11 Oral health services received at health centers
    • Changes for HP 2030, archived
HEALTHY PEOPLE 2020 ORAL HEALTH OBJECTIVES

• Oral Health Interventions
  • OH-12 Dental sealants (ages 3 to 5 years, 6 to 9 years, 13 to 15 years)
    • Changes for HP 2030, age groups
  • OH-13 Fluoridation of community water
  • OH-14 Preventive dental screening and counseling
    • Changes for HP2030, archived
HEALTHY PEOPLE 2020 ORAL HEALTH OBJECTIVES

• Monitoring, Surveillance Systems
  • OH-15 Systems that record cleft lip or palate and referrals
    • Changes for HP 2030, archived
  • OH-16 Oral and craniofacial health surveillance: states
    • Changes for HP 2030, developmental objective

• Public Health Infrastructure
  • OH-17 Health agencies with a dental professional directing their dental program
    • Changes for HP 2030, archived
LEADING HEALTH INDICATORS – 12 TOPICS, 26 INDICATORS

• 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
# DATA SOURCES FOR HP 2030 ORAL HEALTH OBJECTIVES

<table>
<thead>
<tr>
<th>Data Source</th>
<th>Objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Health and Nutrition Examination Survey (NHANES)</td>
<td>7</td>
</tr>
<tr>
<td>Cancer Registry Data</td>
<td>1</td>
</tr>
<tr>
<td>Medical Expenditure Panel Survey (MEPS)</td>
<td>1</td>
</tr>
<tr>
<td>National Survey of Children’s Health (NSCH)</td>
<td>1</td>
</tr>
<tr>
<td>Water Fluoridation Reporting System (WFRS)</td>
<td>1</td>
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</tbody>
</table>
## PROPOSED HEALTHY PEOPLE 2030 ORAL HEALTH OBJECTIVES

<table>
<thead>
<tr>
<th>Objective Number</th>
<th>Objective Statement</th>
<th>Data Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>OH-2030-01</td>
<td>Reduce the proportion of children and adolescents aged 3 to 19 years with lifetime tooth decay experience in their primary or permanent teeth</td>
<td>National Health and Nutrition Examination Survey (NHANES), CDC/NCHS</td>
</tr>
<tr>
<td>OH-2030-02</td>
<td>Reduce the proportion of children and adolescents aged 8 to 19 years with active and currently untreated tooth decay in their primary or permanent teeth</td>
<td>National Health and Nutrition Examination Survey (NHANES), CDC/NCHS</td>
</tr>
<tr>
<td>OH-2030-03</td>
<td>Reduce the proportion of adults aged 20 to 74 with active or currently untreated tooth decay</td>
<td>National Health and Nutrition Examination Survey (NHANES), CDC/NCHS</td>
</tr>
<tr>
<td>OH-2030-04</td>
<td>Reduce the proportion of adults aged 75 years and older with untreated root surface decay</td>
<td>National Health and Nutrition Examination Survey (NHANES), CDC/NCHS</td>
</tr>
<tr>
<td>OH-2030-05</td>
<td>Reduce the proportion of adults aged 45 and older who have lost all of their natural teeth</td>
<td>National Health and Nutrition Examination Survey (NHANES), CDC/NCHS</td>
</tr>
<tr>
<td>OH-2030-06</td>
<td>Reduce the proportion of adults aged 45 and older who have moderate and severe periodontitis</td>
<td>National Health and Nutrition Examination Survey (NHANES), CDC/NCHS</td>
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<tr>
<td>OH-2030-07</td>
<td>Increase the proportion of oral and pharyngeal cancers detected at the earliest stage</td>
<td>National Program of Cancer Registries (NPCR), CDC/NCCDPHP, Surveillance, Epidemiology, and End Results Program (SEER), NIH/NCI</td>
</tr>
<tr>
<td>OH-2030-08</td>
<td>Increase the proportion of children, adolescents, and adults who use the oral health care system</td>
<td>Medical Expenditure Panel Survey (MEPS), AHRQ</td>
</tr>
<tr>
<td>OH-2030-09</td>
<td>Increase the proportion of low income youth who have a preventive dental visit</td>
<td>National Survey of Children’s Health (NSCH), HRSA/NCHB</td>
</tr>
<tr>
<td>OH-2030-10</td>
<td>Increase the proportion of children and adolescents aged 3 to 19 who have received dental sealants on one or more of their primary or permanent molars</td>
<td>National Health and Nutrition Examination Survey (NHANES), CDC/NCHS</td>
</tr>
<tr>
<td>OH-2030-11</td>
<td>Increase the proportion of the U.S. population served by community systems with optimally fluoridated water systems</td>
<td>Water Fluoridation Reporting System (WFIRS), CDC/NCCDPHP</td>
</tr>
<tr>
<td>OH-2030-001</td>
<td>Increase the number of states and the District of Columbia that have an oral and craniofacial health surveillance system</td>
<td></td>
</tr>
</tbody>
</table>
GOALS FOR HEALTHY PEOPLE 2030

• Overarching Goals
  • Attain healthy, thriving lives and well-being, free of preventable disease, disability, injury and premature death.
  • *Eliminate health disparities, achieve health equity*, and attain health literacy to improve the health and well-being of all.
  • *Create social, physical, and economic environments that promote attaining full potential for health and well-being for all.*
  • Promote healthy development, healthy behaviors and well-being across all life stages.
  • Engage leadership, key constituents, and the public across multiple sectors to take action and design policies that improve the health and well-being of all.
DEFINITIONS, HEALTH EQUITY AND DISPARITIES

• Health Equity and Disparities:
  • Health equity and disparities have been an important part of the Healthy People initiative since Healthy People 2000.

  • Health Equity is defined by the HHS Office of Minority Health (OMH) as, “Attainment of the highest level of health for all people. Achieving health equity requires valuing everyone equally with focused and ongoing societal efforts to address avoidable inequalities, historical and contemporary injustices, and the elimination of health and healthcare disparities.”

  • OMH defines health disparities as, “A particular type of health difference that is closely linked with social or economic disadvantage. Health disparities adversely affect groups of people who have systematically experienced greater social and/or economic obstacles to health and/or a clean environment based on their racial or ethnic group; religion; socioeconomic status; gender; age; mental health; cognitive, sensory, or physical disability; sexual orientation; geographic location; or other characteristics historically linked to discrimination or exclusion.”
SOCIAL DETERMINANTS OF HEALTH (SDOH)

- Healthy People 2020 added to the list of 42 topic areas
- **Goal**: Create social and physical environments that promote good health for all.
- Co-lead Agencies: CDC, HRSA, NIH, OASH
- Foundation for inclusion:
  - This emphasis is shared by the World Health Organization, whose Commission on Social Determinants of Health in 2008 published the report, "Closing the gap in a generation: Health equity through action on the social determinants of health."
  - The emphasis is also shared by other U.S. health initiatives such as the National Partnership for Action to End Health Disparities and the National Prevention and Health Promotion Strategy.
FRAMEWORK FOR FIVE KEY ELEMENTS (DETERMINANTS)
SOCIAL DETERMINANTS

- Availability of resources to meet daily needs
- Access to educational, economic, and job opportunities
- Access to health care services
- Quality of education and job training
- Transportation options
- Public safety
- Language and literacy
PHYSICAL DETERMINANTS

- Natural environment
- Built environment
- Worksites, schools, and recreational settings
- Housing and community design
- Exposure to toxic substances
- Physical barriers
- Aesthetic elements
<table>
<thead>
<tr>
<th>Objective Number</th>
<th>Objective Statement</th>
<th>Baseline Statement</th>
<th>Target</th>
<th>Target-Setting Method</th>
<th>Data Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDOH-2030-1</td>
<td>Increase the proportion of children living with at least 1 parent employed year round, full time</td>
<td>76.4 percent of children aged 17 years and under were living with at least 1 parent employed year round, full time in 2016</td>
<td>84.1 percent</td>
<td>Projection</td>
<td>Current Population Survey (CPS), Census and DOL/BLS</td>
</tr>
<tr>
<td>SDOH-2030-2</td>
<td>Increase the proportion of high school completers who were enrolled in college the October immediately after completing high school</td>
<td>69.8 percent of high school completers were enrolled in college the October immediately after completing high school in 2016</td>
<td>74.6 percent</td>
<td>Projection</td>
<td>Current Population Survey (CPS), Census and DOL/BLS</td>
</tr>
<tr>
<td>SDOH-2030-3</td>
<td>Reduce the proportion of persons living in poverty</td>
<td>12.7 percent of persons were living below the poverty threshold in 2016</td>
<td>9.9 percent</td>
<td>Projection</td>
<td>Current Population Survey (CPS), Census and DOL/BLS</td>
</tr>
<tr>
<td>SDOH-2030-4</td>
<td>Reduce the proportion of families that spend more than 30 percent of income on housing</td>
<td>35.3 percent of families spent more than 30 percent of income on housing in 2015</td>
<td>26.1 percent</td>
<td>Percent Improvement</td>
<td>American Housing Survey, HUD and Census</td>
</tr>
<tr>
<td>SDOH-2030-5</td>
<td>Reduce the proportion of children who have ever experienced a parent who has served time in jail</td>
<td>8.2 percent of children aged 17 years and under had ever experienced a parent or guardian serving time in jail in 2016</td>
<td>5.7 percent</td>
<td>Percent Improvement</td>
<td>National Survey of Children’s Health (NSCH), HRSA/MCHB</td>
</tr>
<tr>
<td>SDOH-2030-6</td>
<td>Increase employment among the working-age population</td>
<td>73.3 percent of the working-age population aged 16 to 64 years were employed in 2017</td>
<td>77.6 percent</td>
<td>Percent Improvement</td>
<td>Current Population Survey (CPS), Census and DOL/BLS</td>
</tr>
<tr>
<td>Objective Number</td>
<td>Objective Statement</td>
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<tr>
<td>SDOH-2030-R1</td>
<td>Increase the proportion of federal data sources that collect country of birth as a variable</td>
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</table>
PROPOSED RESIDENCY PROJECT

- Dr. Jorge Bernal, DDS, MPH—CDC Dental Public Health Resident
- State Dental Sealant Coordinator and Health Education Specialist
- Dental Sealant Programs in the State of Georgia
- Research question: Are counties with the highest risk for dental caries the most likely to have access to dental safety net programs?
- Hypothesis: County risk status is not associated with whether a county has access to safety net services.
WHAT’S COMING NEXT?

• Launch of *Healthy People* 2030, March 31, 2020
• National Oral Health Conference Session
• Surgeon General’s (VADM Jerome Adams) interest in *Healthy People—Oral Health Topic Area*
• Leading Health Indicator (LHI)
STAY CONNECTED!

Join the Healthy People Listserv & Consortium

- Web: healthypeople.gov
- Email: hp2020@hhs.gov
- Twitter: @gohealthypeople
- LinkedIn: Healthy People 2020
- YouTube: ODPHP [search “healthy people”]

[Image links to healthypeople.gov, hp2020@hhs.gov, @gohealthypeople, LinkedIn link to Healthy People 2020, YouTube channel with search “healthy people”]