Improving Oral Health

New Tools for Policy Makers

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Chief Economist & Vice President
Health Policy Institute
Why adults avoid the dentist

Top reasons why 23% of adults don't plan on going to the dentist in the next 12 months.

- Cost: 40%
- Don't need dental care: 33%
- No time to get to dentist: 14%
- Travel to dentist is difficult: 10%
- Cannot find dentist that accepts my insurance: 9%

Source ADA Health Policy Institute analysis of Harris Poll survey data collected April 2014
Today

1. Just the facts…

2. Tools for policymakers…
Just the Facts…

HPI Health Policy Institute

ADA American Dental Association®

Oral Health Care State Fact Projects

Oral Health and Well-Being in the United States

Oral Health Care System

ada.org/statefacts
Just the Facts…

Percentage with a Dental Visit in the Past 12 Months

<table>
<thead>
<tr>
<th></th>
<th>2000</th>
<th>2005</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Colorado</strong></td>
<td>38%</td>
<td>46%</td>
<td>54%</td>
</tr>
<tr>
<td><strong>U.S.</strong></td>
<td>29%</td>
<td>35%</td>
<td>48%</td>
</tr>
<tr>
<td><strong>Colorado</strong></td>
<td>60%</td>
<td>64%</td>
<td>67%</td>
</tr>
<tr>
<td><strong>U.S.</strong></td>
<td>60%</td>
<td>62%</td>
<td>59%</td>
</tr>
</tbody>
</table>

- **Children with Medicaid Coverage**
- **Children with Private Dental Benefits Coverage**
- **Adults with Private Dental Benefits Coverage**
Just the Facts…

Number of Dentists per 100,000 Population

- Colorado: 64.3 in 2001, 60.5 in 2013
- U.S.: 57.3 in 2001, 60.5 in 2013

Percentage of Dentists Participating in Medicaid for Child Dental Services in 2014

- Colorado: 53%
- U.S.: 42%
DENTIST-TO-POPULATION RATIOS INCREASED FOR MOST STATES IN THE PAST DECADE

The states where the dentists per 100,000 population increased the most between 2005 and 2015 were New Mexico (17.4 percent), Nevada (16.7 percent) and Texas (16 percent). Only four states experienced decreases, ranging from -0.6 percent (Idaho) to -3.2 percent (Hawaii).
Figure. Percentage of general and specialist dentists who report they are not busy enough and could see more patients, 2013. Source: American Dental Association Health Policy Institute Survey of Dental Practice.
Just the Facts...

Overall Condition of Mouth and Teeth

<table>
<thead>
<tr>
<th></th>
<th>Low</th>
<th>Middle</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>POOR</td>
<td>19%</td>
<td>9%</td>
<td>2%</td>
</tr>
<tr>
<td>FAIR</td>
<td>28%</td>
<td>24%</td>
<td>12%</td>
</tr>
<tr>
<td>GOOD</td>
<td>37%</td>
<td>40%</td>
<td>39%</td>
</tr>
<tr>
<td>VERY GOOD</td>
<td>31%</td>
<td>27%</td>
<td>46%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>18-34</th>
<th>35-49</th>
<th>50-64</th>
<th>65+</th>
</tr>
</thead>
<tbody>
<tr>
<td>POOR</td>
<td>6%</td>
<td>9%</td>
<td>11%</td>
<td>7%</td>
</tr>
<tr>
<td>FAIR</td>
<td>19%</td>
<td>22%</td>
<td>21%</td>
<td>21%</td>
</tr>
<tr>
<td>GOOD</td>
<td>32%</td>
<td>36%</td>
<td>39%</td>
<td>39%</td>
</tr>
<tr>
<td>VERY GOOD</td>
<td>32%</td>
<td>29%</td>
<td>33%</td>
<td>33%</td>
</tr>
</tbody>
</table>

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The appearance of their mouth and teeth affected their ability to interview for a job.

<table>
<thead>
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<th>Middle</th>
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</tr>
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<td>16%</td>
<td>15%</td>
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<th>65+</th>
</tr>
</thead>
<tbody>
<tr>
<td>28%</td>
<td>20%</td>
<td>16%</td>
<td>8%</td>
</tr>
</tbody>
</table>

71%  84%  85%  72%  80%  84%  92%
Just the Facts...

Reasons for Not Visiting the Dentist More Frequently, Among Those Without a Visit in the Last 12 Months

- **COST**: 59%
  - Afraid of Dentist: 22%
  - Inconvenient location or time: 19%
  - Trouble finding a dentist: 15%
  - No original teeth: 12%
  - No perceived need: 10%
  - No reason: 9%
  - Other: 10%

Source of Dental Benefits:

- **Private**: 47%
  - 28% 28%
  - 14% 7%
  - 16% 12%
  - 9%

- **Medicaid**: 50%
  - 35% 33%
  - 20% 21%
  - 8% 9%

- **Other**: 41%
  - 24% 32%
  - 30%
  - 14% 16%
  - 13% 13%

- **None**: 70%
  - 18% 12%
  - 13% 13%
  - 14%
  - 8% 6%
  - 10%
Tools for Policymakers

The Health Policy Institute compiled a number of useful tools for policymakers focused on improving the oral health care system.

- Oral Health and Well-Being in Your State and for the U.S.
- The Oral Health Care System in Your States and for the U.S.
- Projecting the Supply of Practicing Dentists in Your State and for the U.S.
- Estimating the Cost of a Medicaid Adult Dental Benefit in Your State
- Assessing the Accuracy of Medicaid Provider Lists
- Medicaid Dental Care Reimbursement Rates in Your State
- Developing an Effective RFP/Dental Benefits Contract in Medicaid in Your State
Estimating Cost of Adult Dental Benefit

States with Adult Dental Benefits

States with Adult Dental Benefits that Expanded Eligibility Under the ACA

States with Adult Dental Benefits that Did Not Expand Eligibility Under the ACA
Estimating Cost of Adult Dental Benefit

# of Medicaid Beneficiaries \times \% Who Get Dental Care \times \$ Per User Per Year = Total Cost
Example: Alabama

- Formula: Enrollment x Utilization x Spending/User x State Share
- Scenario 1: 234,582 adults x 0.249 x $818.47 x 0.311 = $14.9 million
- The cost of adding an adult dental benefit under Scenario 1 represents about 0.9% of Alabama’s total Medicaid budget.

<table>
<thead>
<tr>
<th>State</th>
<th>Adult Medicaid Enrollment</th>
<th>Utilization Rate (% with a dental visit)</th>
<th>Spending per Dental Care User per Year ($2015)</th>
<th>State Share of Medicaid Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>234,582</td>
<td>24.9%</td>
<td>$818.47</td>
<td>31.1%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Current Total Medicaid Expenditure</th>
<th>Increase in Expenditure ($)</th>
<th>As Percentage of Total Medicaid Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,570,364,045.64</td>
<td>$14,896,360.31</td>
<td>0.9%</td>
</tr>
<tr>
<td></td>
<td>$13,307,415.21</td>
<td>0.8%</td>
</tr>
<tr>
<td></td>
<td>$26,566,789.21</td>
<td>1.7%</td>
</tr>
</tbody>
</table>
Example: Missouri

- Formula: Enrollment x Utilization x Spending/User x State Share
- Scenario 2: 301,540 adults x 0.249 x $548.37 x 0.372 = $15.3 million
- The cost of adding an adult dental benefit under Scenario 2 represents about 0.4% of Missouri’s total Medicaid budget.

<table>
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<tr>
<th>State</th>
<th>Adult Medicaid Enrollment</th>
<th>Utilization Rate (% with a dental visit)</th>
<th>Spending per Dental Care User per Year ($2015)</th>
<th>State Share of Medicaid Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Scenario 1</td>
<td>Scenario 2</td>
<td>Scenario 3</td>
</tr>
<tr>
<td>Missouri</td>
<td>301,540</td>
<td>24.9%</td>
<td>24.9%</td>
<td>58.1%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Current Total Medicaid Expenditure</th>
<th>Increase in Expenditure ($)</th>
<th>As Percentage of Total Medicaid Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>$3,411,896,825.25</td>
<td>$22,883,654.10</td>
<td>0.7%</td>
</tr>
<tr>
<td></td>
<td>$15,332,048.25</td>
<td>0.4%</td>
</tr>
<tr>
<td></td>
<td>$35,713,278.85</td>
<td>1.0%</td>
</tr>
</tbody>
</table>
Understanding Access

Appendix Figure 2a. (Missouri)

Figure 3a. (Missouri)
Understanding Access
## Understanding Access

<table>
<thead>
<tr>
<th>Maximum Travel Time</th>
<th>Missouri</th>
<th>North Dakota</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Entire Population</td>
<td>Medicaid Children</td>
</tr>
<tr>
<td>15 minutes</td>
<td>93%</td>
<td>80%</td>
</tr>
<tr>
<td>30 minutes</td>
<td>99%</td>
<td>96%</td>
</tr>
<tr>
<td></td>
<td>Entire Population</td>
<td>Medicaid Children</td>
</tr>
<tr>
<td></td>
<td>78%</td>
<td>73%</td>
</tr>
<tr>
<td></td>
<td>94%</td>
<td>90%</td>
</tr>
</tbody>
</table>
Understanding Access

[Image of a scatter plot showing the relationship between the number of dentists participating in Medicaid and the percentage of children enrolled in Medicaid with a dental visit, with states represented by points on the graph.]
Projecting the Supply of Dentists

- Graduates
- Moved in
- Foreign-trained
- Re-licensure
- Un-retirement
- Retired
- Moved out
- Death
- License lapse
- Exit labor force
- Emigration
Projecting the Supply of Dentists

Figure 1: Historical and Projected Dentists per 100,000 Population in the U.S., Baseline Scenario

Sources: ADA Health Policy Institute analysis of ADA masterfile; ADA Survey of Dental Practice; ADA Survey of Dental Education; U.S. Census Bureau, Intercensal Estimates and National Population Projections. Notes: Data for 2005, 2010 and 2015 are based on the ADA masterfile. Results after 2015 are projected. Assumes (a.) U.S. total annual dental school graduates will increase until 2020 and then remain constant (b.) future outflow rates are same as 2010-15 historical percentages.
Thank You!

ada.org/hpi

hpi@ada.org