# Measuring What Matters

#### Access to Dental Care in Oregon

Marko Vujicic, PhD Chief Economist & Vice President Health Policy Institute American Dental Association



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# The ADA Health Policy Institute

HSR Health Services Research		BRIEF REPORT
The Impact of Medicaid Reform on Children's Dental Care Utilization in Connecticut, Maryland, and Texas	HELLTH ECONOMICS Mailli Zen, (2016 Published mine in Wiley Gaine Libray (wileyminethray.com), DOI: 10.1082/bec.3316 HEALTH ECONOMICS LETTER	The Effect of the Affordable Care Act's Expanded Coverage Policy on Access to Dental Care Marko Fujicic PhD, Cassandra Yarbrough, MPP, and Kamyar Nassek PhD Early Impact of the Affordable Care
Kamyar Nasseh and Marko Vujicic Objective. To measure the impact of Medicaid reforms, in particular in Medicaid dental fees in Connecticut, Maryland, and Texas, on access to e among Medicaid eligible children. Data: 2007 and 2011–2012 National Survey of Children's Health.	THE RELATIONSHIP BETWEEN PERIODONTAL INTERVENTION AND HEALTHCARE COSTS AND UTILIZATION. EVIDENCE FROM INTEGRATED DENTAL, MEDICAL, AND PHARMACY COMMERCI CLAIMS DATABASE KANYAR NASSH <sup>44</sup> , MARKO VURCK <sup>4</sup> and MICHAEL GLICK <sup>4</sup> <sup>4</sup> Amounton Dated Atomicing. Realth Frider, Nature, Change, R., USA <sup>4</sup> Managing of Ballies (Fr. Baul Carange) AND 100, 1970. 1970.	1.NN met Tie Alfordheit Care Art heidale 1 depender TIAL Fuge 19:23. The pelder does an eppl denoting heading and enders are contained by heading
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Conclusion has a signific aid-digible ( Key Word It is recom first birthd of Pediatric dren acces Medicare S	orade Health By Renyer Namedi and Marka Wylck Haalth Raform In Massachusotts	Marko Vujicic, PhD, and Cassandra Yorkmugh, MPP      premium and out-of-pocket costs for child denal care services under various dental     ans ans and an too function child denal care services for 12 patient     plans that care use and spanning. We did this for 1039 medical james that include child denal care services for 12 patient     plans that care use and spanning. We did this for 1039 medical james that include child denal care services for 12 patient     plans that care use and spanning. We did this for 1039 medical james that include child denal     core graves and and that from the Center for Cossumer Information and Insurance O     ara. Sow.     expected total financial coules for child denal care use envices were two when dental     plans that care use and spanning for the order of child denal care use reprices were two when dental     plans that care use and spanning for the order of
The copyright This is an o NonComme provided the provided the provi	ABSTRACT States frequently expand or limit dental benefits for adults covered by Melicial, As part of statewide health reform in 2006, Massechusetts expanded dental benefits to all adults ages 19–64 whose main lineome was at or below 100 percent of the federal poverty level. We examined the impact of this reform and found that it ked to an index of the state of the state of the state of the state of the state parameters in dental care use among the Massechusetts adults population, driven by gains among poor adults. Compared to the prevent period, driven by gains among poor adults, the differ was adults in eight control adults in Massechusetts, relative to all nonelderly adults in eight control percentage point increases in dental care used were the increase among apprentice that device increases in dental care used were the line state among any employed and the state of the state of the state of the state of percentage point increases in dental care used were the line state among an improve dental care acces and use. Our results imply that the Link of an improve dental care access and use. Our results imply that the Link of an improve dental care access and use. Our results imply that the Link of an improve dental care access and use. Our results in the Massechusetts the previous of an improve dental care access and use. Our results in the Massechusetts counted the the Massechusetts experiment of the state of the state access and use. Our results imply that the Link of an improve dental care access and use. Our results imply that the Link of an improve dental care access and use. Our results in the Massechusetts dental the Advalable	<ul> <li>Key the above the embedding detail coverage within medical plans, on average, mean bit in the start medical plans, on average mean bit in the start medical plans, on average, mean bit in the start medical plans, on average, mean bit in the start medical plans, on average medical plans, on average, mean bit in the start medical plans, on average, mean bit in the start medical plans, on average, mean bit in the start medical plans, on average medical plans, on average medical plans, on average medical plans, on average medical plans, on average, mean bit in the start medical plans, on average medical</li></ul>
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CNN

Health » Diet + Fitness | Living Well | Parenting + Family

#### Stopped flossing? Teeth still vital to overall health

By Susan Scutti and Carina Storrs, CNN ③ Updated 3:46 PM ET, Wed August 3, 2016

#### Story highlights

Periodontal disease could complicate the management of diabetes and heart disease

One-third of adults in the United States have no dental coverage

Studies show dental insurance provides improvements in overall health and cost savings **(CNN)** — Your teeth are more than just something to chew and smile with. Research is increasingly showing that they can have an effect on your overall health.

Many Americans think their poor oral health is holding them back. In a 2015 survey by the American Dental Association, 20% of low-income adults said their mouths and teeth were in bad condition, and 20% of all adults said their unhealthy mouths caused them anxiety, according to Marko Vujicic, chief economist for the

#### FOX NEWS

Home Video Politics U.S. Opinion Business Entertainment Tech Science Health

#### The main reason people avoid the dentist isn't fear

The biggest reason people skip out on going to the dentist isn't fear or inconvenience; it's cost, KIDY reports. A study published this month in *Health Affairs* found people are more likely to forego dental health because of cost than any other type of health care.

In fact, cost is the main reason for not seeing a dentist even among people who have private dental insurance. Study author Marko Vujicic points to maximum benefit limits and high co-pays in most dental coverage as the culprit.

"Anything beyond checkups, like getting a cavity filled or a root canal and a crown, you're looking right away at 20% to 50% coinsurance," he says.



#### Education Doesn't Solve the Gender Pay Gap

For women in professions that require advanced degrees, such as dentists and physicians, discrepancies in pay are becoming harder to explain.

BOURREE LAM | 3:44 PM ET | BUSINE





# Forbes

Why Some Millennials Aren't Smiling: Bad Teeth Hinder 28% In Job Search

If some millennials aren't smiling, there's good reason. A recent study by the American Dental Association's (ADA's) research arm found they're in a world of hurt – from tooth pain and anxiety about the poor condition of their teeth.

Decaying teeth and gum problems make one in three young adults aged 18 to 34 (33%) reluctant to smile, the ADA found. About one in five have cut back on socializing as a result of dental problems. And 28% say the appearance of their teeth and mouth undermines their ability to interview for a job.

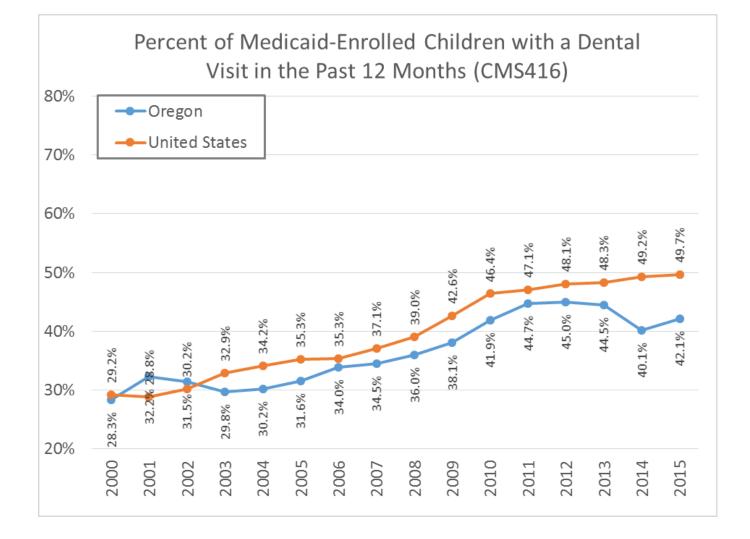




- 1. Review key oral health outcomes in Oregon compared to other states
- 2. Present new analysis on access to dental care in Oregon
- 3. Give you my takeaways on where policy makers should be putting more focus

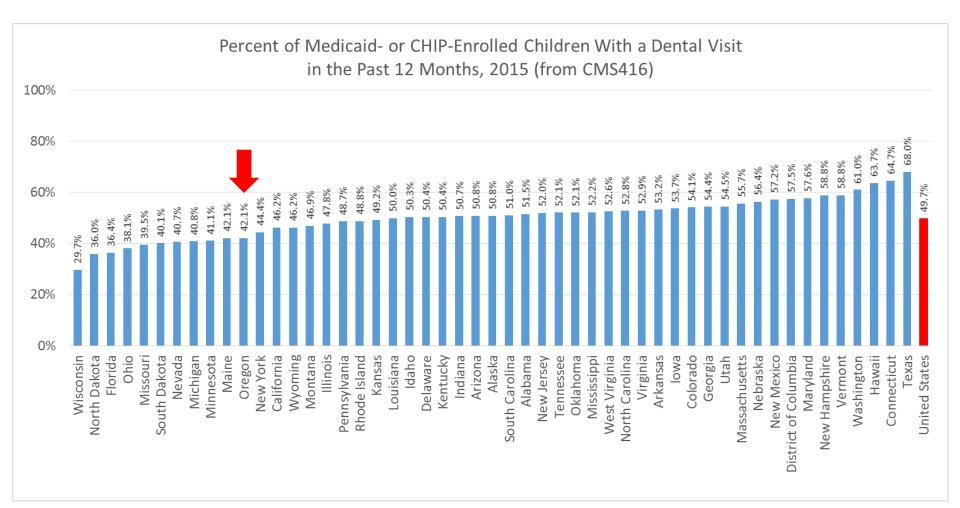


### **Dental Care Use**



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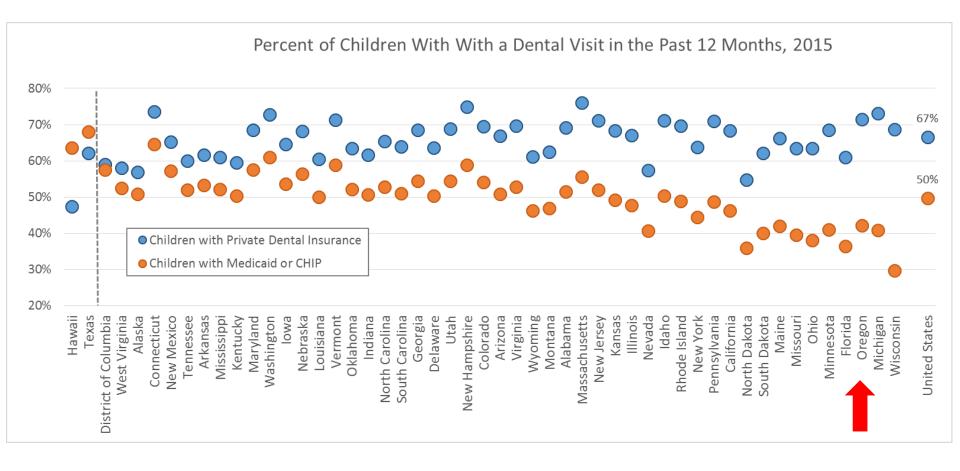


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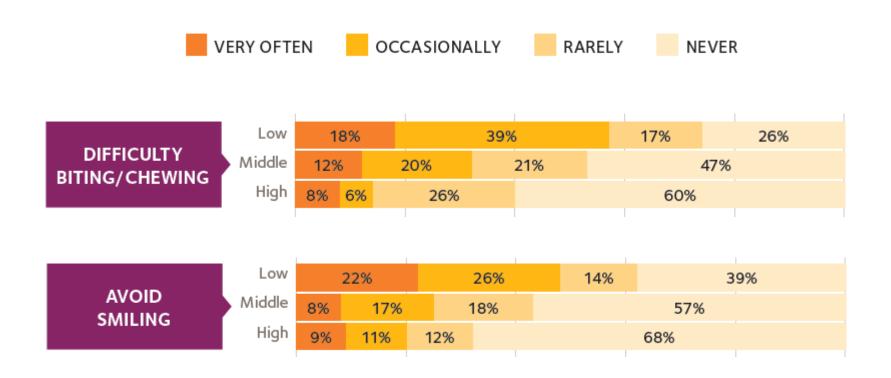
### **Dental Care Use**



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## Oral Health & Well-Being for Adults



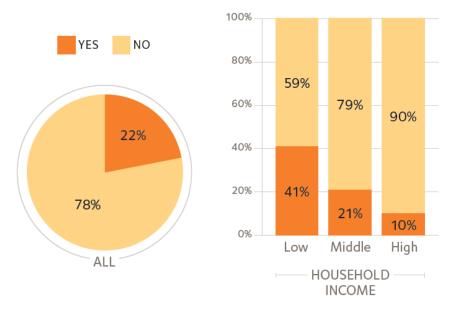


# Oral Health & Well-Being for Adults

#### Appearance of Mouth and Teeth Affects Ability to Interview for a Job



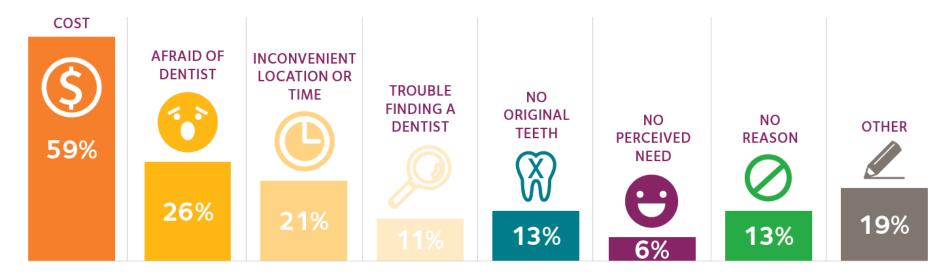
**33%** of low income adults reduce participation in social activities due to the condition of their mouth and teeth.





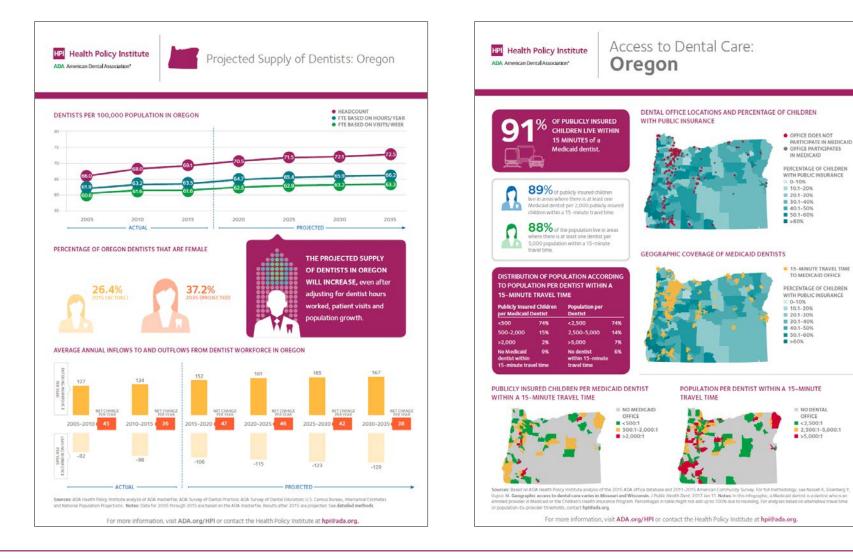
### Barriers to Dental Care for Adults

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





### New Data-Driven Insights

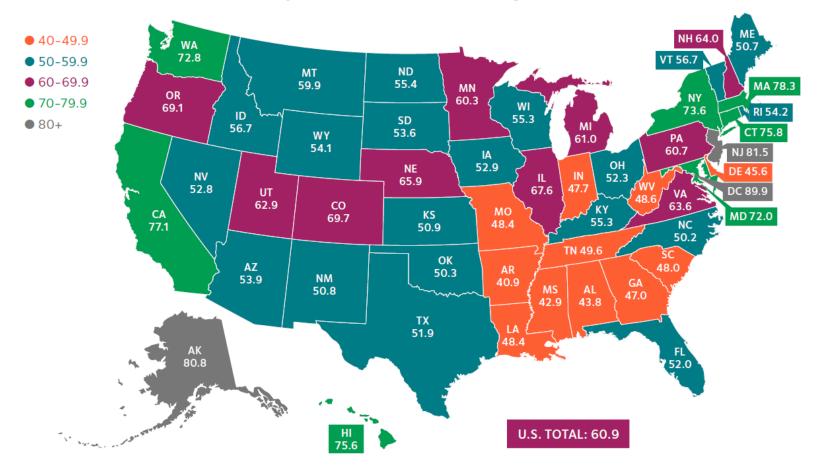


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# Supply of Dentists

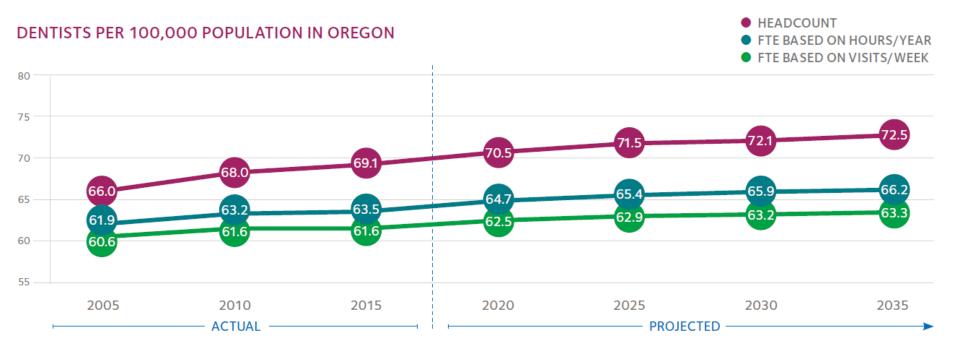
#### DENTIST-TO-POPULATION RATIOS VARY ACROSS STATES

The number of dentists per 100,000 population in the United States was 60.9 in 2015 and varied across states. The District of Columbia (89.9), New Jersey (81.5) and Alaska (80.8) had the highest ratios in the nation.



#### HPI Health Policy Institute

# Supply of Dentists



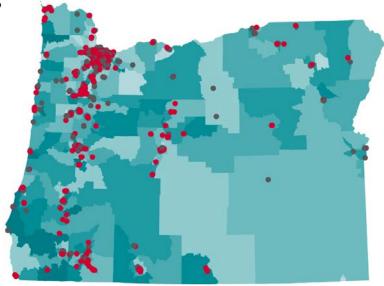
#### Dental Offices

- Office Does Not Participate in Medicaid
- Office Participates in Medicaid

Percentage of Children with Public Insurance

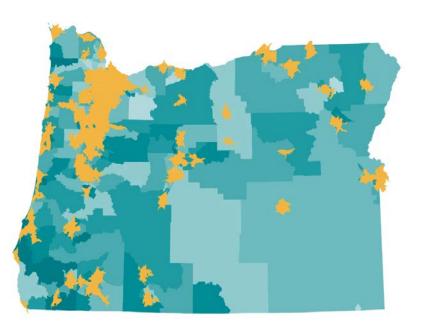


- 40.1-50%
- 50.1-60%
- >60%

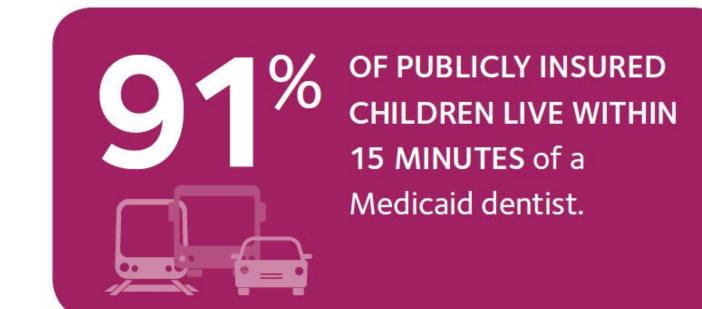


15 Minute Travel Time to Medicaid Office Percentage of Children with Public Insurance
0-10%
10.1-20%
20.1-30%
30.1-40%
40.1-50%
50.1-60%

>60%



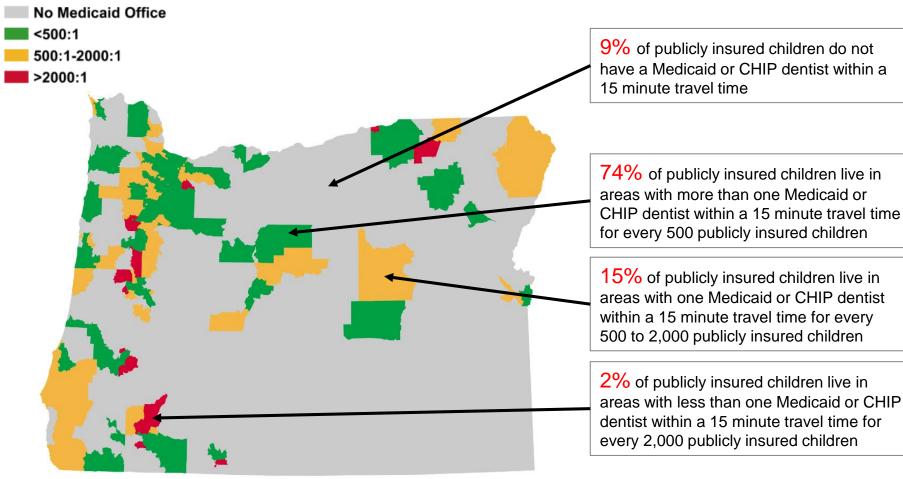






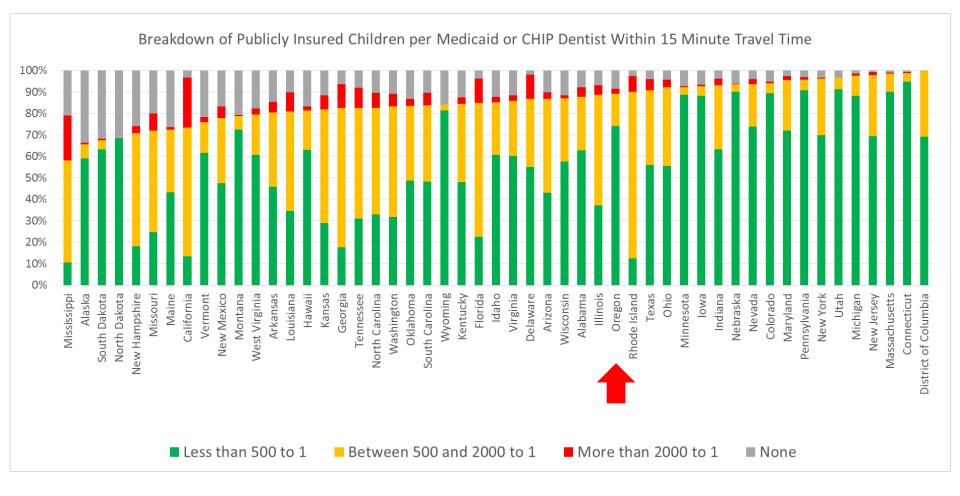
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#### Publicly Insured Children Per Medicaid Dentist Within a 15-Minute Boundary





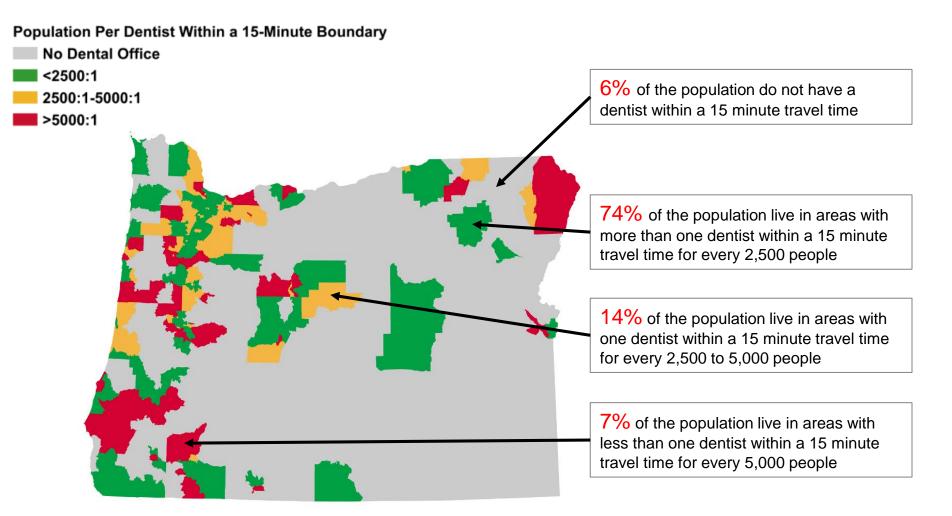
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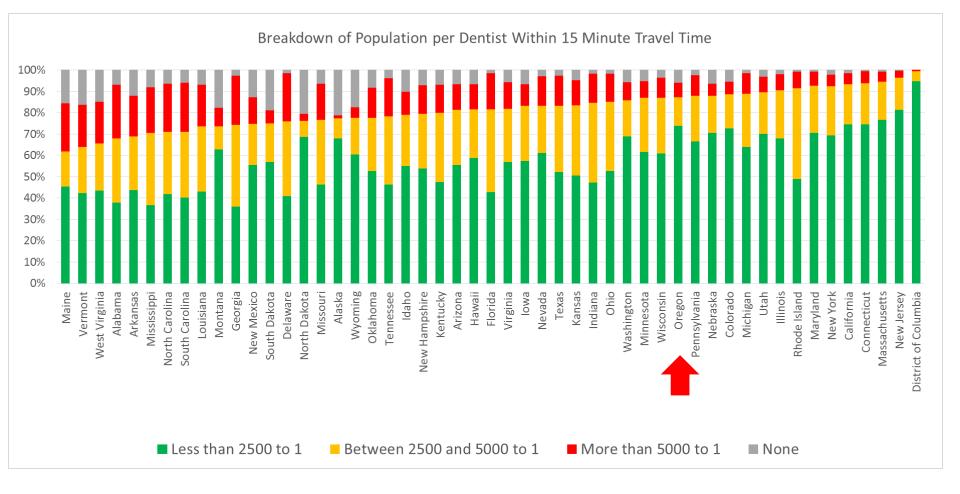
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#### **Research Brief**

#### Medicaid Fee-For-Service Reimbursement Rates for Child and Adult Dental Care Services for all States, 2016

Authors: Niodita Gupta, M.D., M.P.H., Ph.D.; Cassandra Yarbrough, M.P.P.; Marko Vujicic, Ph.D.; Andrew Blatz, M.S.; Brittany Harrison, M.A.

#### Key Messages

- Wisconsin, Washington and California had the lowest Medicaid reimbursement rates for both adult and child dental care services among states that provide dental services via fee-for-service.
- There is considerable variation across states in Medicaid fee-for-service reimbursement rates.

#### Who We Are

The Health Policy Institute (HPI)

is a thought leader and trusted

source for policy knowledge on critical issues affecting the U.S. dental care system. HPI strives

to generate, synthesize, and disseminate innovative research

for policy makers or al health

advocates and dental care

providers.

HPI's interdisciplinary team of health economists, statisticians, and analysts has extensive expertise in health systems policy research. HPI staff routinely collaborates with researchers in academia and policy think tanks.

#### Contact Us

Contact the Health Policy Institute for more information on products and services at hpi@ada.org or call 312.440.2928. Follow us on Twitter @ADAHPI.

#### Introduction

Low-income children and adults are subject to different dental safety nets. States are required to provide dental benefits to children, who are covered by Medicaid and the Children's Health Insurance Program (CHIP), but providing adult dental benefits is optional.<sup>1</sup> Increased enrollment in Medicaid and CHIP led to a historic low of 11 percent of children lacking dental benefits in 2014, the most recent year data are available<sup>2</sup>. There has also been a steady increase in dental care utilization among children enrolled in Medicaid and CHIP over the past fifteen years.<sup>3</sup> Low-income adults have not experienced similar gains. In 2014, the latest year for which we have data since Medicaid expansion under the Affordable Care Act, 54 percent of Medicaid-enrolled adults lived in states that provide adult dental benefits in their Medicaid programs.<sup>2</sup> However, 35.2 percent of adults in the U.S. do not have any form of dental coverage.<sup>2</sup>

A key issue for Medicaid is having a sufficient number of providers willing to participate. Research shows that a variety of factors limit the number of dentists that accept Medicaid, including high rates of cancelled appointments among Medicaid enrollees, low

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April 2017

HPI Health Policy Institute ADA American Dental Association' Medicaid Fee-for-Service (FFS) Reimbursement and Provider Participation for Dentists and Physicians in Every State

80%

60%

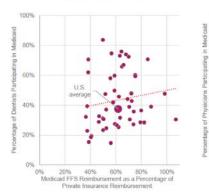
40%

20%

#### REIMBURSEMENT AND PROVIDER PARTICIPATION IN MEDICAID FOR DENTISTS IN EVERY STATE



average







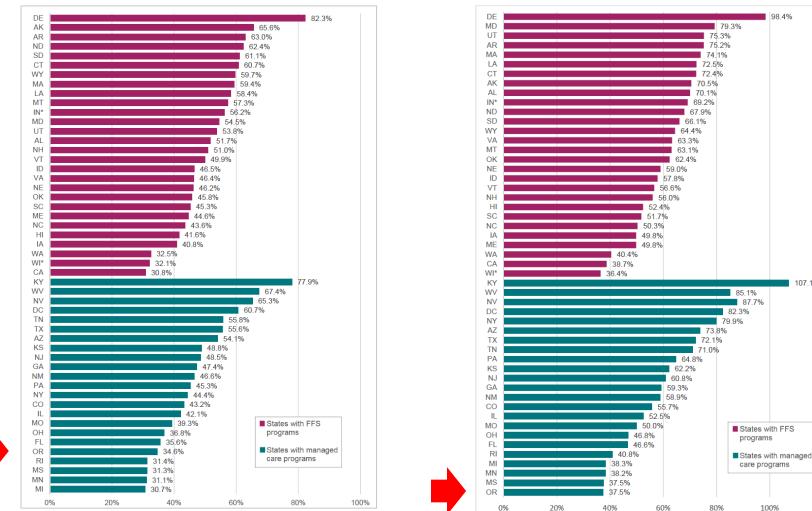


61.8% 80.1% DENTISTS

Source: Medicaid reimbursement for dentists is calculated from here. Medicaid reimbursement for physicians is calculated from here and here. Medicaid participation for dentists can be found here and for physicians here. Note: While fee-for service (FFS) reimbursement rates are an important policy lever within Medicaid, they may not be representative of actual payment rates to providers in all states, depending on the extent of managed care programs. However, excluding managed care states based on classification found here does not change main conclusions. Analysis for dentists is based on reimbursement is for primary care services. Data are for 2016 except for physician participation is for office-based physicians and reimbursement is for primary care services. Data are for 2016 except for physician participation has not changed substantively since then.



Figure 1: Medicaid Fee-For-Service Reimbursement as a Percentage of Fees Charged by Dentists, Child Dental Services, 2016



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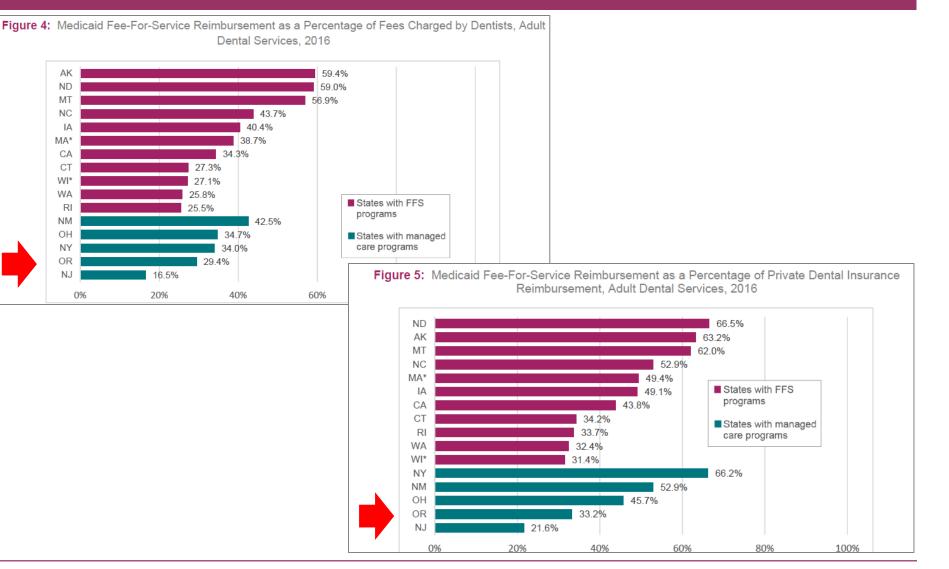
Figure 2: Medicaid Fee-For-Service Reimbursement as a Percentage of Private Dental Insurance

Reimbursement, Child Dental Services, 2016

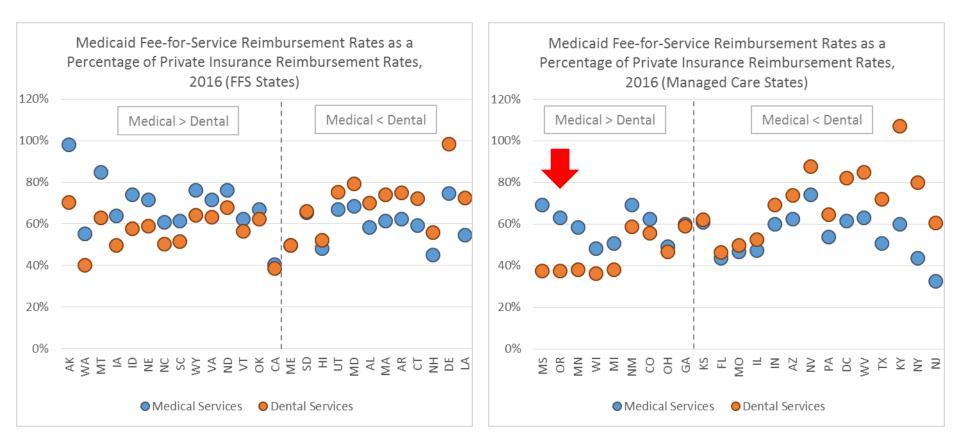
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107.1%

120%









# Key Takeaways

#### What We Learned...

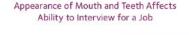
- Geographic coverage of dental care providers is quite extensive
- The supply of dentists is expected to grow steadily in the coming years
- Dental care use is low among publicly insured children
- Main barriers to dental care among adults relate to cost and fear, not lack of providers

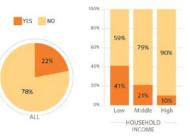
#### What This Means...

- Need to focus less on "supply" interventions, more on "navigation" interventions (e.g. connecting members to a dental home, nudging diabetics into routine dental care)
- Need to re-examine adult dental benefit design so that is focuses much more on oral health outcomes
- Need to accelerate innovations in payment and care delivery models that focus on outcomes















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