# **POVERTY & DENTISTRY**

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## **OBJECTIVES**

- Define poverty
- Explore relationship between poverty and oral health status



## POVERTY

### **Definitions**:

Poverty is the state of one who lacks a usual or socially acceptable amount of money or material possessions<sup>1</sup> (Merriam-Webster)

Absolute Poverty measure poverty in relation to the amount of money necessary to meet basic needs (food, clothing, shelter)<sup>2</sup>

Income Poverty is when a family's income fails to meet a federally established threshold<sup>3</sup>

### **2019 US Poverty Levels**

Income strata	Federal Poverty Level	Household income for a family of 4 in 2019 dollars
Poor	<100%	\$0-\$25,570
Low income	100-200%	\$25,571-\$51,500
Middle Class	200-400%	\$51,501-\$103,000
Affluent	>400%	\$103,001 and above



# **POVERTY: SELECTED FACTORS<sup>4</sup>**

### • Labor market conditions

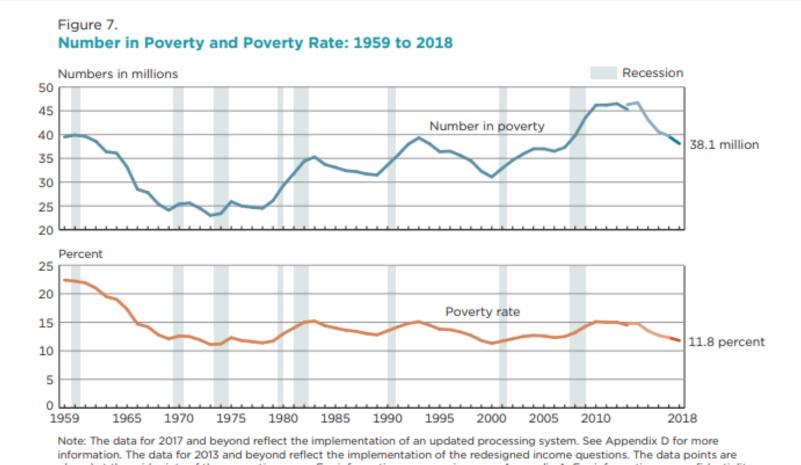
availability of jobs and wages

### • Education

- < education = > poverty
- Demographic Characteristics
  - Age, Family Structure, Race



### POVERTY: THE MAGNITUDE AND TRENDS



information. The data for 2013 and beyond reflect the implementation of the redesigned income questions. The data points are placed at the midpoints of the respective years. For information on recessions, see Appendix A. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see <a href="https://www2.census.gov/programs-surveys/cps/techdocs/cpsmar19.pdf">https://www2.census.gov/programs-surveys/cps/techdocs/cpsmar19.pdf</a>.

Source: U.S. Census Bureau, Current Population Survey, 1960 to 2019 Annual Social and Economic Supplements.



## POVERTY: A SOCIAL DETERMINANT OF HEALTH

Social determinants of health (SDOH) are conditions in the places where people are born, live, learn, work, play, worship, and age that affect a wide range of health, functioning, and quality-of-life outcomes and risks.<sup>5</sup>

Income is a key part of the social context of health.

**Poverty limits access to:** 

- Healthy foods
- Safe neighborhoods
- Health care



### **POVERTY AND ORAL HEALTH**

#### **Original Contributions**

#### **Cover Story**

Tooth loss among older adults according poverty status in the United States from through 2004 and 2009 through 2014

Bruce A. Dye, DDS, MPH; Darien J. Weatherspoon, DDS, MPH; Gabriela Lopez Mitnik, MS, MPhil

#### ABSTRACT

Background. As tooth loss decreases in an aging United States, retaining enough nat function is important for quality of life.

Methods. The authors used data from the 1999 through 2004 and the 2009 throu tional Health and Nutrition Examination Surveys to assess changes in tooth loss in a or older. The authors evaluated changes in edentulism, retaining all teeth, and having dentition (21 or more natural teeth) according to poverty status.

Results. Edentulism was lower in 2009 through 2014 than in 1999 through 2004 (119 for adults 50 years or older, but this decrease was not significant among the poor (people the federal poverty guideline: P > .05). Complete tooth retention improved from 14% to 1999 through 2004 and 2009 through 2014 for people 50 years or older (P < .05attributable mostly to adults who were nonpoor (> 200% federal poverty guideline adults had a functional dentition in 2009 through 2014 than in 1999 through 2004 (679 P < .05), although the increases generally were significant only for those not living in Conclusions. Complete tooth loss has decreased by more than 75% for those aged 6 years over the past 5 decades in the United States. Improvements in tooth loss men

edentulism and complete tooth retention, have been most significant among the non those who are poor have experienced fewer improvements.

Practice Implications. An aging population is experiencing less edentulism and g retention, so older adults may need more regular oral health care and prevention service concerns such as root caries and periodontal disease.

Key Words. Edentulism; functional dentition; poverty; oral health; epidemiology; health; National Health and Nutrition Examination Survey; health disparities; adult

https://doi.org/10.1016/j.a

he population of older adults in the United States continues to grow over time, wit of people 65 years or older expected to double by 2050.1 This trend has been pro aging baby boomer population, and it will result in an increased geriatric populat the health care system will need to care. As it relates to oral health, older adults have uni for tooth loss, including the lack of a routine oral health benefit in Medicare, adverse ef multiple medications such as xerostomia, and less access to oral health care.<sup>2</sup>

The complete loss of natural teeth represents the cumulative aftereffect of seve periodontal disease, both of which share recurring exposure to risk factors (for exam diet or tobacco use) commonly associated with other chronic diseases. Globally, eder approximately 30% of adults aged 65 through 74 years, with prevalence accelerating middle-income countries.<sup>4</sup> Although 2.5 billion people worldwide have untreated of accounts for much of the overall burden of prevalent adverse oral health conditions RESEARCH AND PRACTICE

#### **Oral Health Equity and Unmet Dental Care Needs in** a Population-Based Sample: Findings From the Survey of the Health of Wisconsin

Kristen Malecki, PhD. MPH, Lauren E, Wisk, PhD, Matthew Walsh, PhD, MPH, Christine McWilliams, MPH, Shosh

Oral health is an essential and integral component of overall health, yet unmet health care needs and poor oral health are pervasive. Poor oral health care is associated with increased use of medical services, increased risk for several chronic conditions (including heart disease and diabetes),1,2 as well as reduced quality of life and employment opportunities.3,4 There is growing momentum both nationally and internationally for increased understanding and use of a more holistic social-ecological perspective to understanding and addressing oral health disparities.5 With the implementation of the Affordable Care Act and the potential for increased access to care among adults, there is a unique and novel opportunity to improve equity in oral health care and outcomes. Spurred by a 2001 surgeon general's report in which poor oral health was described as a "Silent Epidemic" sweeping the nation, the

Institute of Medicine convened experts to de-

velop a vision for improved oral health care into the future. A 2011 Institute of Medicine report suggested that oral health care should be integrated into an overall model of health care delivery, with an emphasis on the primary care setting.6 National recommendations suggested that addressing oral health disparities would require a more fundamental shift toward viewing oral health as a medical issue. Improving access to primary care that includes education and training on the importance of oral health care during medical visits might be a solution to improving oral health equity.7,8 Elucidating the true magnitude of oral health disparities and unmet needs, including the complex network of population-level predictors, is often limited. A 2010 report by the World Health Organization identified several research gaps, including understanding the social determinants and modifiable risk factors for poor oral health.5 Although many risk factors are well-established

#### Objectives. We used objective oral health scru ndividual-, psychosocial-, and community-le n a statewide population of adults. Methods. We examined oral health status in esidents who participated in the Survey of the Screening project, conducted with the Wiscon Results. We found significant disparities

individual-, psychosocial-, and community-l participants had untreated cavities, and 20% d care. Individuals who self-reported unmet nee likely to have untreated cavities as were those after controlling for sociodemographic and be Conclusions. Our results suggested that of of access to care and poor oral health statu role that primary care, in conjunction with could play in promoting oral health care, p e.g., the costs associated with unmet der ventive health behaviors (e.g., teeth brushi 105:S466-S474. doi:10.2105/AJPH.2014.302

(age, gender, race/ethnicity, and access to care).9-13 others, such as psychosocial deance o terminants and behaviors, are not as well are nee understood of this Few, if any, population-based studies have dispari included objective oral health screenings. Oral oral he health screenings of children have been the followe national benchmark for tracking disparities to guid among children for quite some time, but no equity analogous nationwide program exists for access adults. The Association for State and Territorial these Dental Directors (ASTDD) has developed tools, surveil such as the Basic Screening Survey (BSS) prosubject tocol, for use in adults. However, access to of poor representative population-based studies of determ adults is not often feasible or cost effective for We most state-based programs. Consequently, gathere most prevalence estimates of unmet oral health that wa needs are based on self-reported, telephone-Wisco based surveys that do not include data on (DHS) predictors, such as tooth brushing, psychosocial factors, and community-level data

#### DRAL HEALTH COST & USE

HEALTH AFFAIRS 35

in Chicago, Illinois.

Michigan, in Ann Arbor.

writing.

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NO. 12 (2016): 2176-2182 02016 Project HOPE---

The People-to-People Health

#### By Marko Vujicic, Thomas Buchmueller, and Rachel Klein

#### DOI: 10.1377/hithaff.2016.0800 **Dental Care Presents The Highest** Level Of Financial Barriers. **Compared To Other Types Of** Health Care Services

Marko Vulicic (vulicicm@ada ABSTRACT The Affordable Care Act is improving access to and the org) is the chief economist at and vice president of the Health Policy Institute, affordability of a wide range of health care services. While dental care for children is part of the law's essential health benefits and state Medicaid American Dental Association Thomas Buchmueller is the Waldo O. Hildebrand Profes of Risk Management and Insurance in the Ross School of Business, University of Rachel Klein was director of organizational strategy for Families USA, in Washington, D.C., at the time of this

programs must cover it, coverage of dental care for adults is not guaranteed. As a result, even with the recent health insurance expansion, many Americans face financial barriers to receiving dental care that lead to unmet oral health needs. Using data from the 2014 National Health Interview Survey, we analyzed financial barriers to a wide range of health care services. We found that irrespective of age, income level, and type of insurance, more people reported financial barriers to receiving dental care, compared to any other type of health care. We discuss policy options to address financial barriers to dental care, particularly for adults.

he Affordable Care Act (ACA) is hav- and infections, restoration of teeth, [and] maining a significant impact on the US tenance of dental health," and "all services must health care system. Early evidence be provided if determined medically necessary." shows that the number of Ameri- In contrast, dental care for adults is not covered cans without health insurance has by Medicare and is an optional benefit in Medicdeclined and access to health care services has aid, with no minimum standards. According to improved.1-3 However, the percentage of Ameri- the most recent data available, over eight million cans without dental insurance has always been adults are enrolled in Medicaid in the twenty-two higher than the percentage without health insur-states whose Medicaid programs do not provide ance, and there are large differences in dental adult dental benefits beyond emergency sercoverage rates between children and adults. In vices.

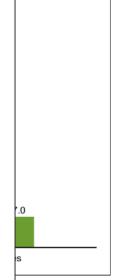
2013, 12 percent of children and 33 percent of The ACA's essential health benefits package nonelderly adults had no dental insurance, com- perpetuates the long-standing division between pared to 6 percent of children and 20 percent of dental and other health care services by excludance 45

The higher rate of dental coverage for chil- these provisions has posed challenges. For exdren, compared to nonelderly adults and se- ample, because dental benefits are offered priniors, is partly explained by the fact that dental marily as stand-alone products, not as part of a services are a mandatory benefit within Medicaid medical plan, the purchase of dental benefits for children. For child Medicaid beneficiaries, cannot be enforced, and dental benefits are exdental services are part of a comprehensive set cluded from premium tax credit calculations. of benefits provided through the Early and Peri- Even though the ACA does not have specific odic Screening, Diagnosis, and Treatment Pro- provisions that address adult dental care, it is gram. Under the program, "dental services for likely that the law has modestly increased dental children must minimally include: relief of pain coverage through two channels. First, one provi-

nonelderly adults who lacked health insur- ing dental coverage for adults. It requires dental coverage for children, although implementing

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among youth aged

300% or more

briefs/db307 table.pdf#3.



JADA 150(1) = http://jada.ada.org = January 2019

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## POVERTY, ORAL HEALTH AND THE DENTAL SAFETY NET

Dental Safety Net – the system that supports the provision of dental care services to underserved patients <sup>6</sup>

- Facilities
  - Health Centers
  - Free Clinical
  - Dental Schools
  - Emergency Rooms

### • Providers

- Private practice dentists offering sliding fee scale payments, income based payment plans, and those enrolled in (and accepting) Medicaid patients
- Payment Systems
  - Medicaid



# **DENTAL SAFETY NET: MEDICAID**

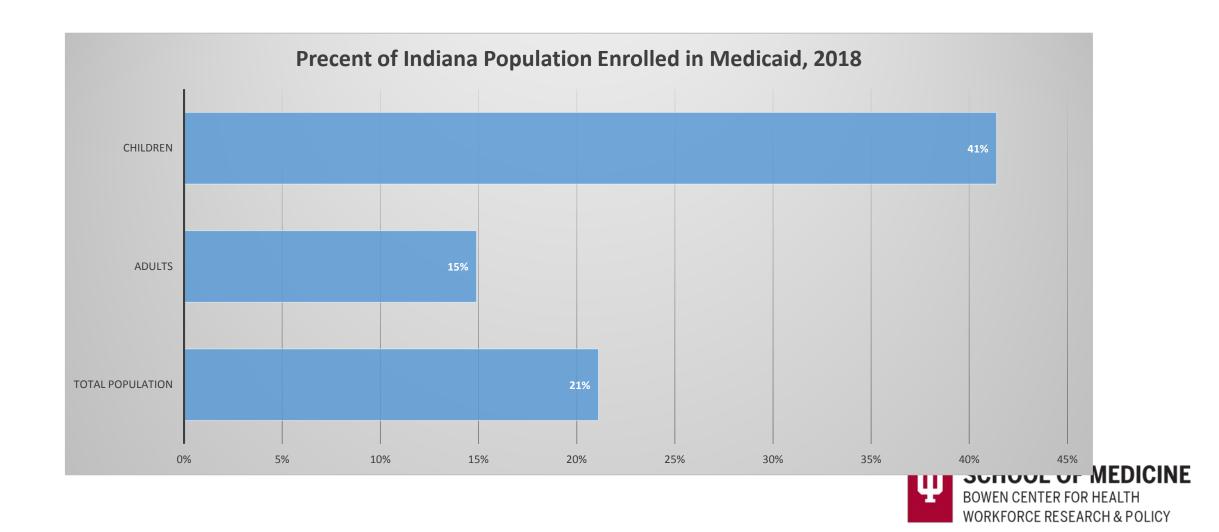
### Medicaid is a policy solution to address cost of health care (especially important for people living in poverty

### What is it?7

- Health coverage for eligible low-income adults, children, pregnant women, elderly adults and people with disabilities
- Authorized in 1965 by Title XIX of the Social Security Act in 1965
- All states, the District of Columbia, and the U.S. territories have Medicaid programs
- Federal government establishes certain parameters, each state administers their Medicaid program differently, resulting in variations in Medicaid coverage across the country
- Jointly funded by state and federal government



## MEDICAID IN INDIANA<sup>8,9</sup>

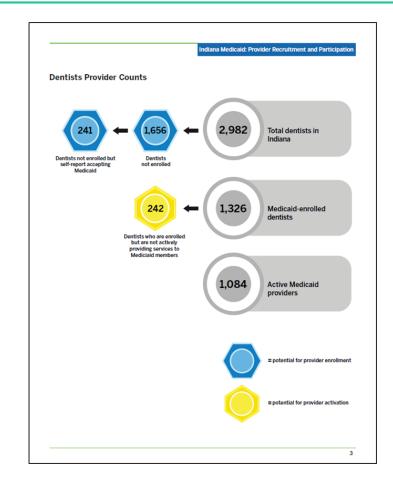


## HEALTH INSURANCE ≠ ACCESS TO DENTAL CARE

### Having dental insurance does not guarantee access to dental care

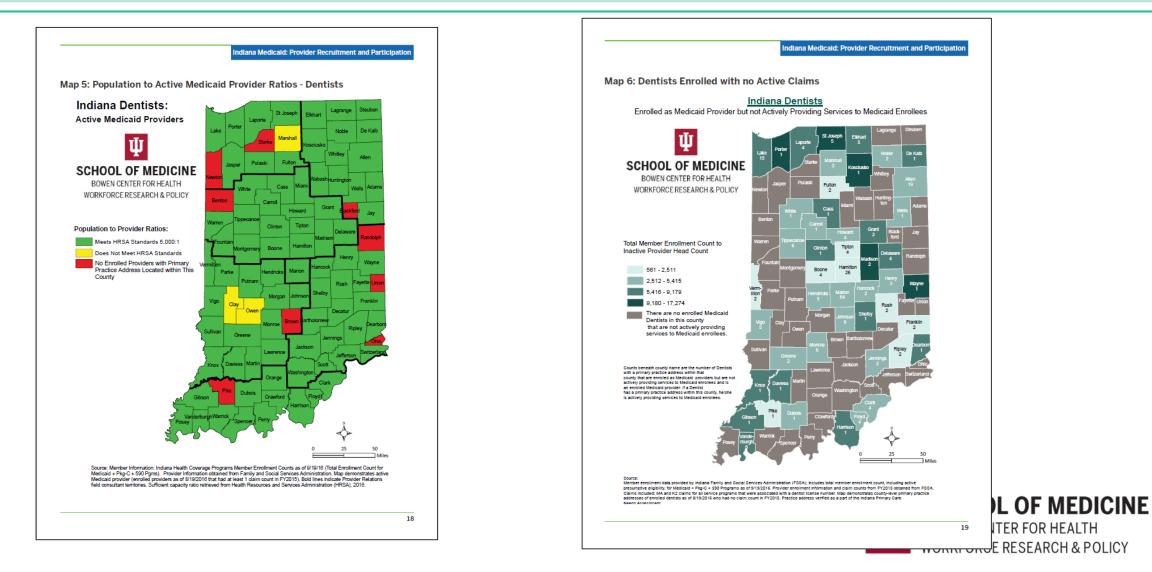
# People living in poverty have other barriers

- Transportation
- Time
- Availability of dental services





### DIFFERENCE BETWEEN BEING A MEDICAID DENTIST AND PROVIDING CARE TO MEDICAID RECIPIENTS



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