

Oral Health: An Evidence and Data-Driven Approach to Achieve Better Health, Equity, and Fiscal Responsibility



The State of Oral Health: Increasing Access & Reducing Disparities

The National Institute for Health Care
Management Foundation
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Natalia I. Chalmers DDS, MHSc, PhD
Diplomate, American Board of Pediatric Dentistry

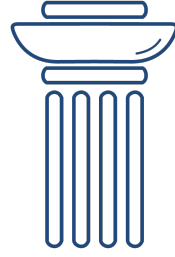
Chief Dental Officer
Office of the Administrator
Centers For Medicare & Medicaid Services

CMS Vision Statement

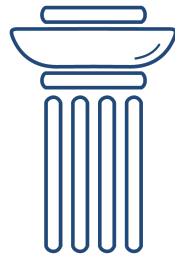
CMS serves the public as a trusted partner and steward, dedicated to advancing health equity, expanding coverage, and improving health outcomes



Advance
Health Equity
by addressing
the health
disparities
that underline
our health
system.



Build on the
**Affordable
Care Act** and
expand access
to quality
affordable
health
coverage and
care.



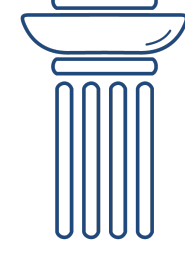
Engage our
**partners and the
communities** we
serve
throughout the
policymaking
and
implementation
process.



Drive
innovation to
tackle our
health system
challenges
and promote
**value-based,
person
centered care**



Protect our
programs'
sustainability
for future
generations by
serving as a
responsible
steward of
public funds.



Foster a
**positive and
inclusive
workplace and
workforce**, and
promote
excellence in
all aspects of
CMS
operations.

“You’re Not Healthy Without Good Oral Health.”
– Surgeon General C. Everett Koop



Oral Health is About Equity, Fiscal Responsibility and Inflammation



Equity

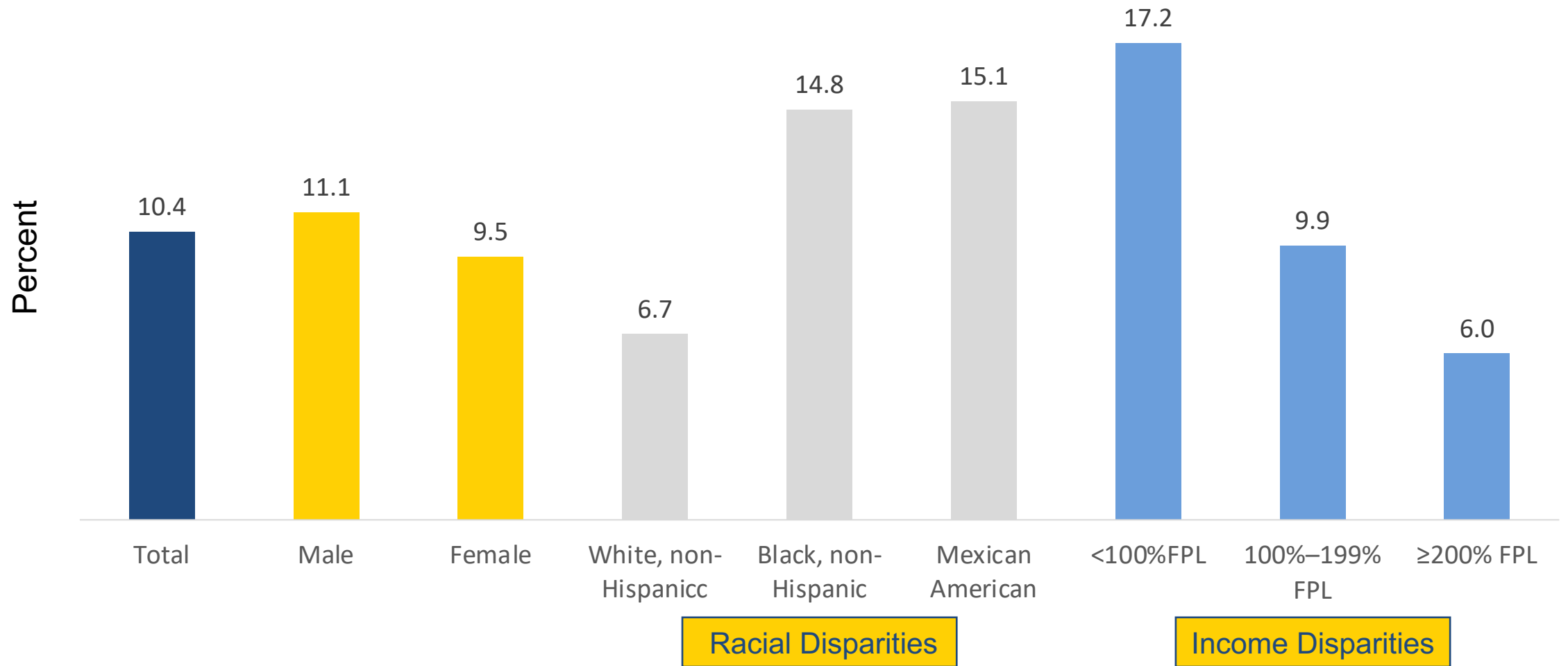


**Fiscal
Responsibility**

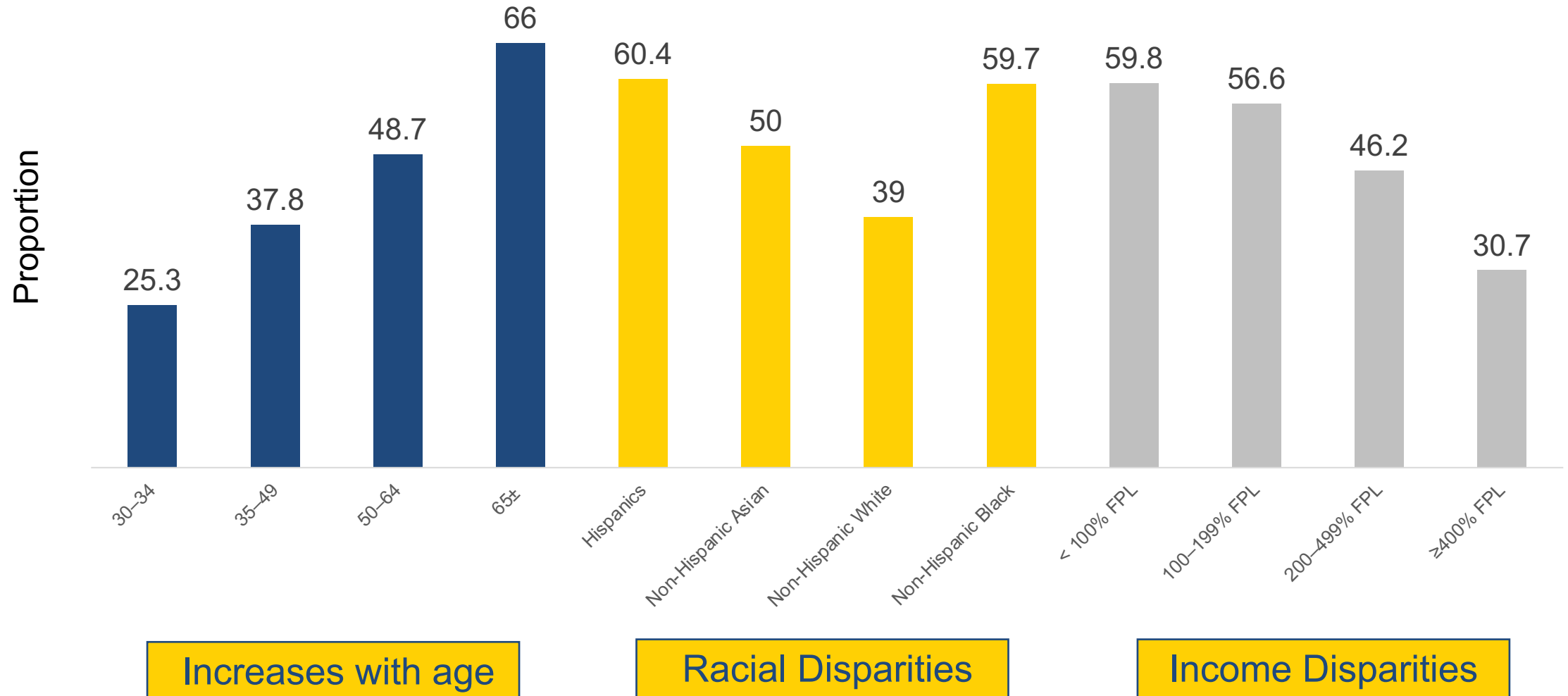


**Inflammation
(Clinical Outcomes)**

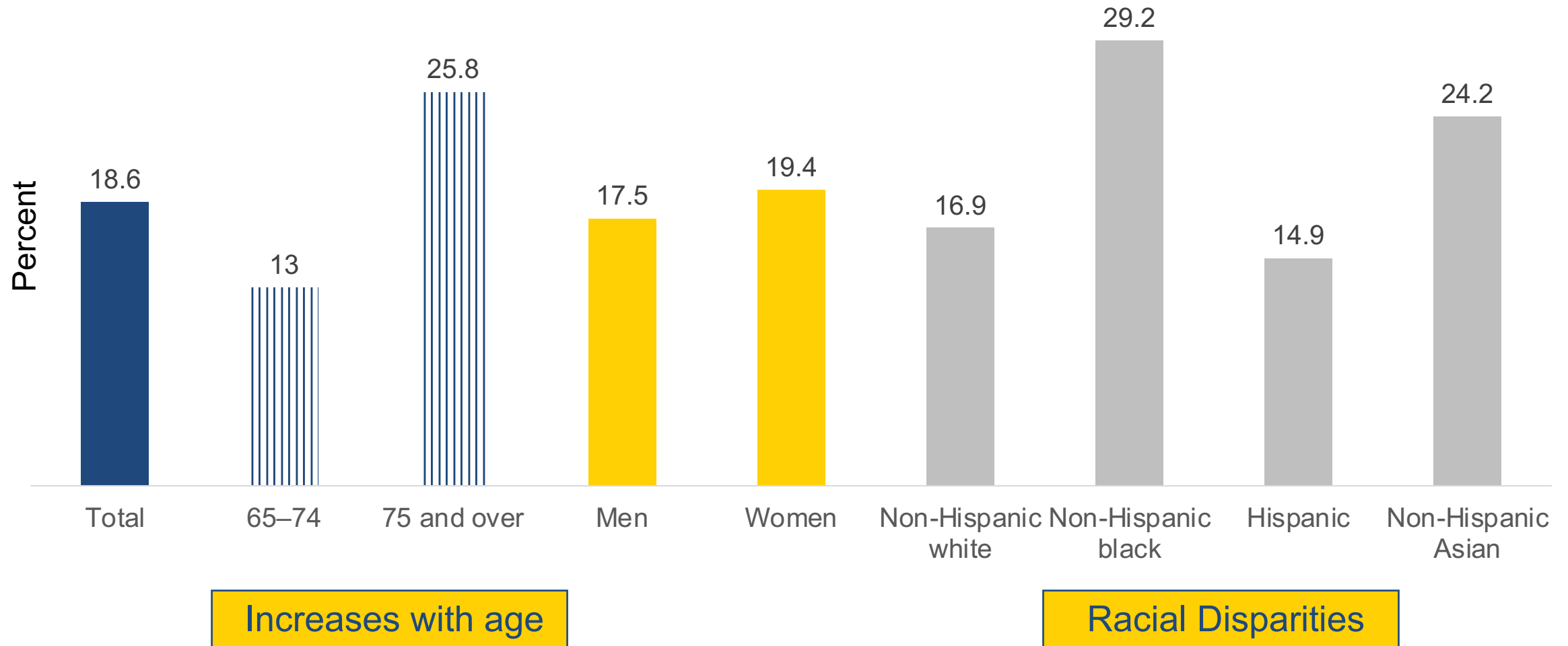
Prevalence of Untreated Tooth Decay In Primary Teeth Among Children Aged 2–5 Years



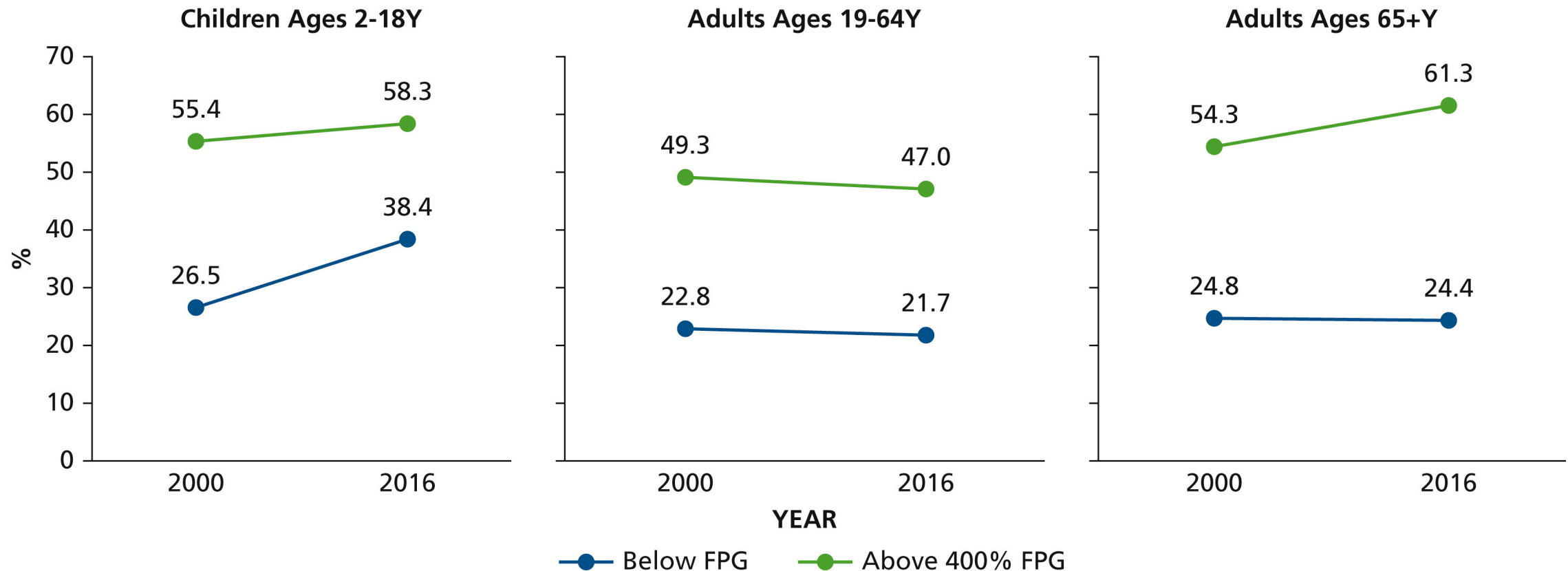
Prevalence of Periodontitis in Adults



Prevalence of Complete Tooth Loss (Edentulism) among Adults Aged 65 and Over



Dental Visit in the Past Year By Poverty



Income Disparities

Poor Oral Health, Infection and Inflammation

Total inflammation surfaces are approximately the same.



Fitzgerald Arch Dis Child 2005

Chronic periodontal disease



The New England Journal of Medicine, 2002

Nonhealing Ulcer over the Ulnar Aspect
of the Left Forearm

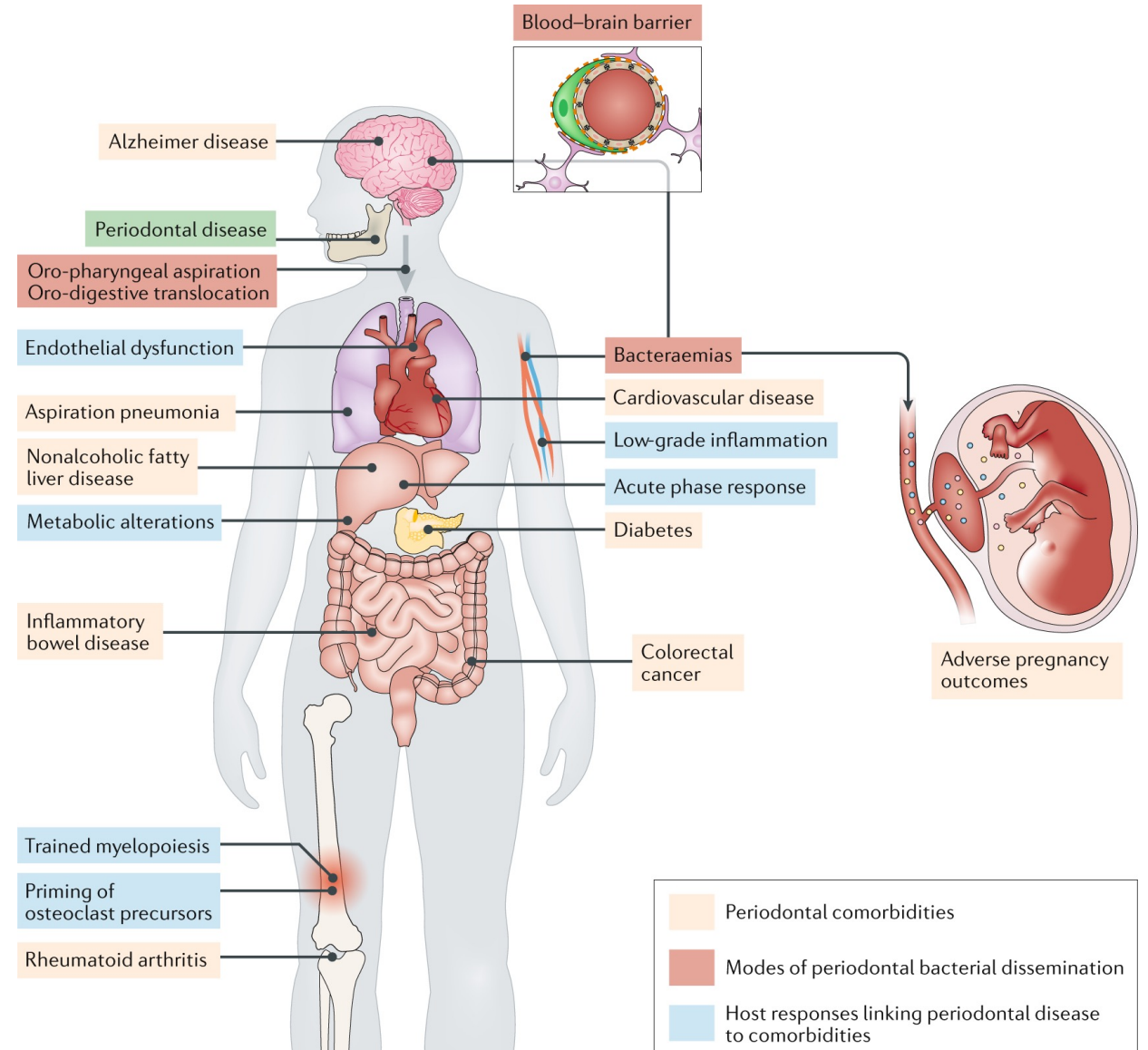
Periodontal Disease and Associated Inflammatory Comorbidities

Periodontitis Inflammatory Comorbidities

- Cardiovascular disease
- Type 2 diabetes mellitus
- Rheumatoid arthritis
- Inflammatory bowel disease
- Alzheimer disease
- Nonalcoholic fatty liver disease
- Cancers

Dissemination

- Bacteremia, hematogenous
- Oro-pharyngeal dissemination
- Oro-digestive dissemination



Poor Oral Health Has Impacts Beyond Healthcare



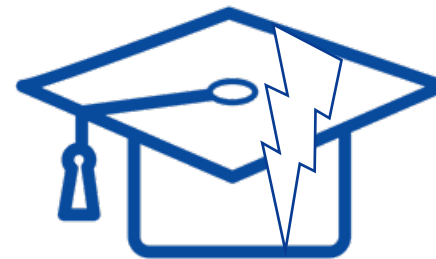
Poor oral health is linked to all-cause mortality.



Poor oral health is an obstacle to employment.

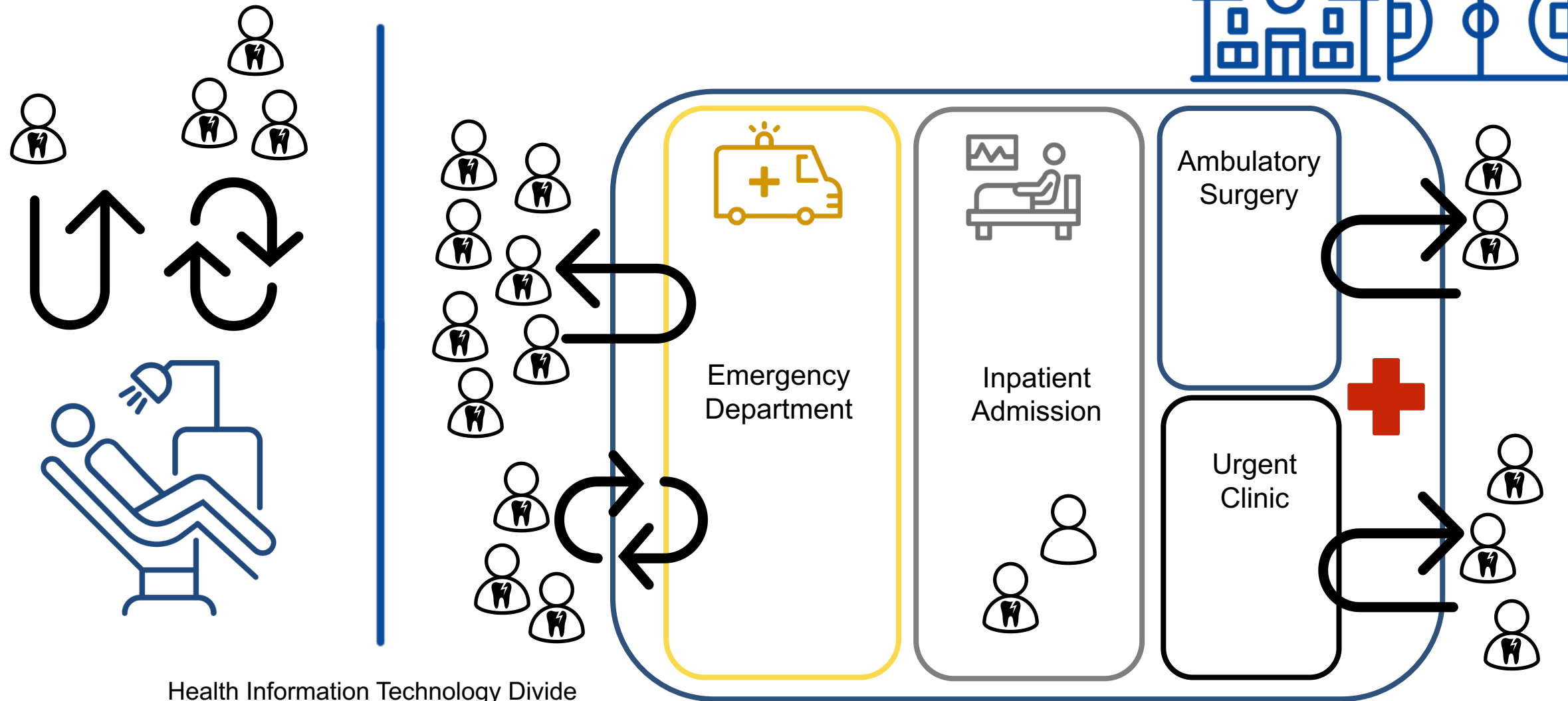


Poor oral health is linked to substance use disorders.



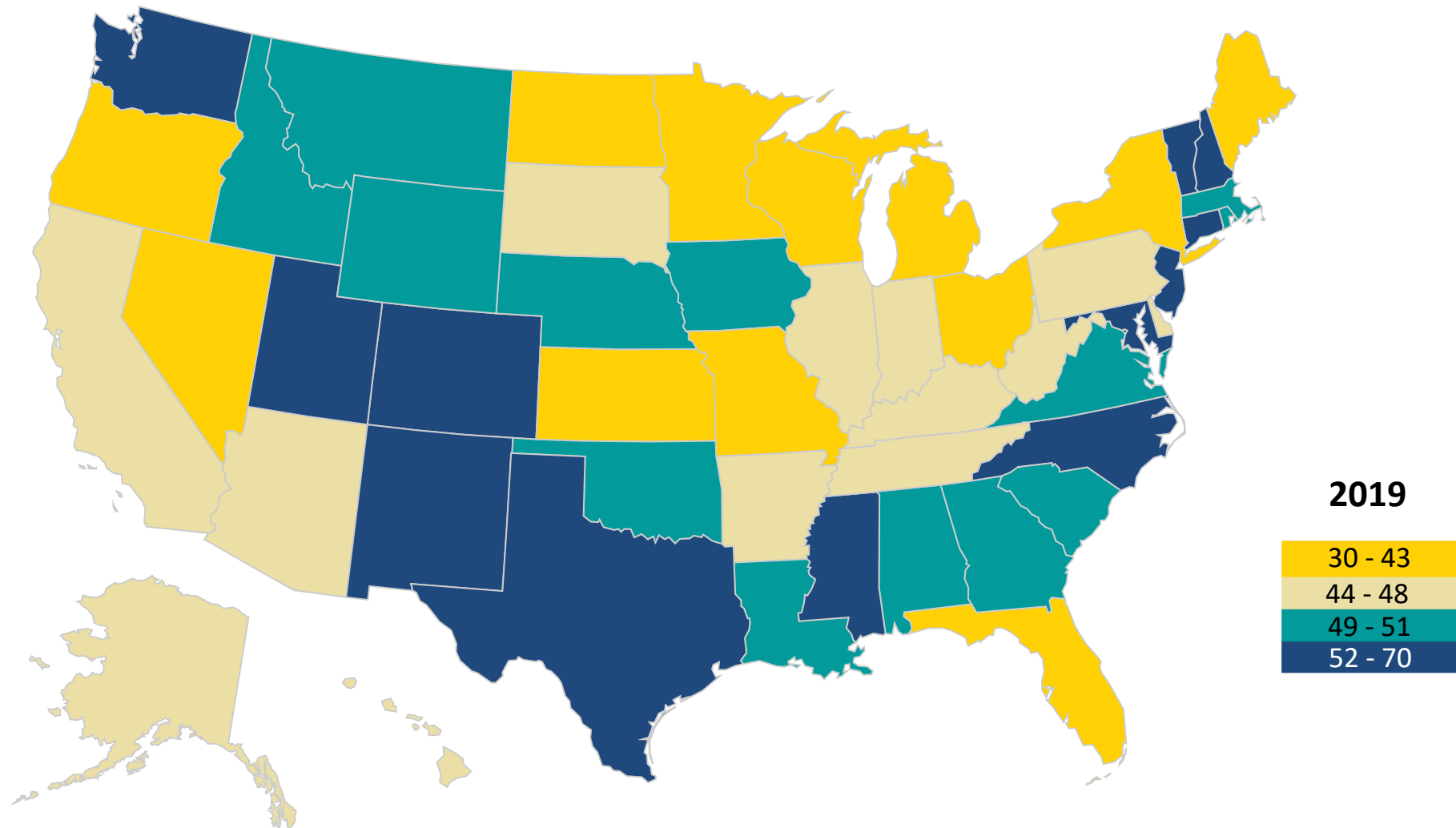
Poor oral health impacts children's school attendance and performance.

Where Patients Present with Oral Health Needs

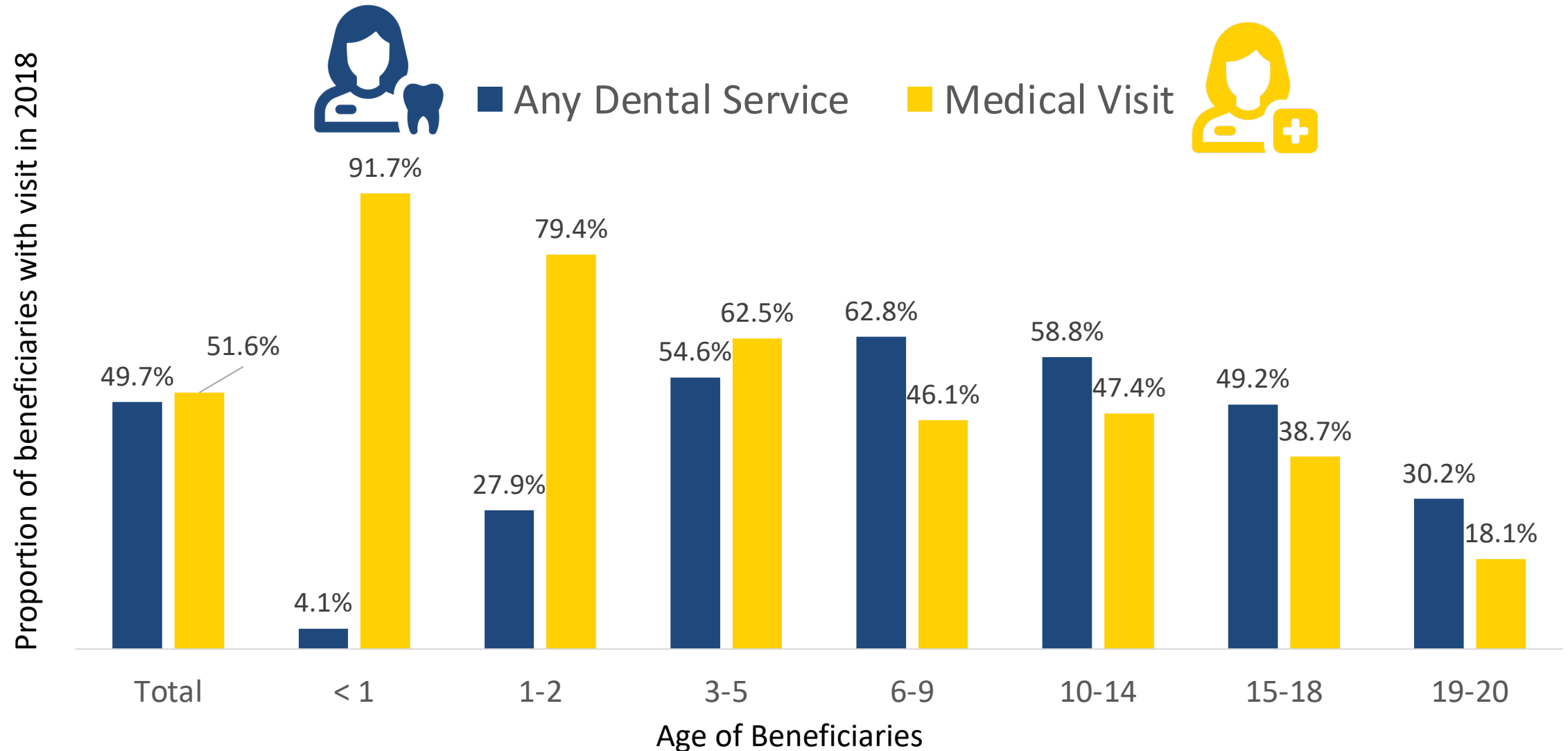


Health Information Technology Divide
Diagnostic Coding
Integration and Coordination of Care

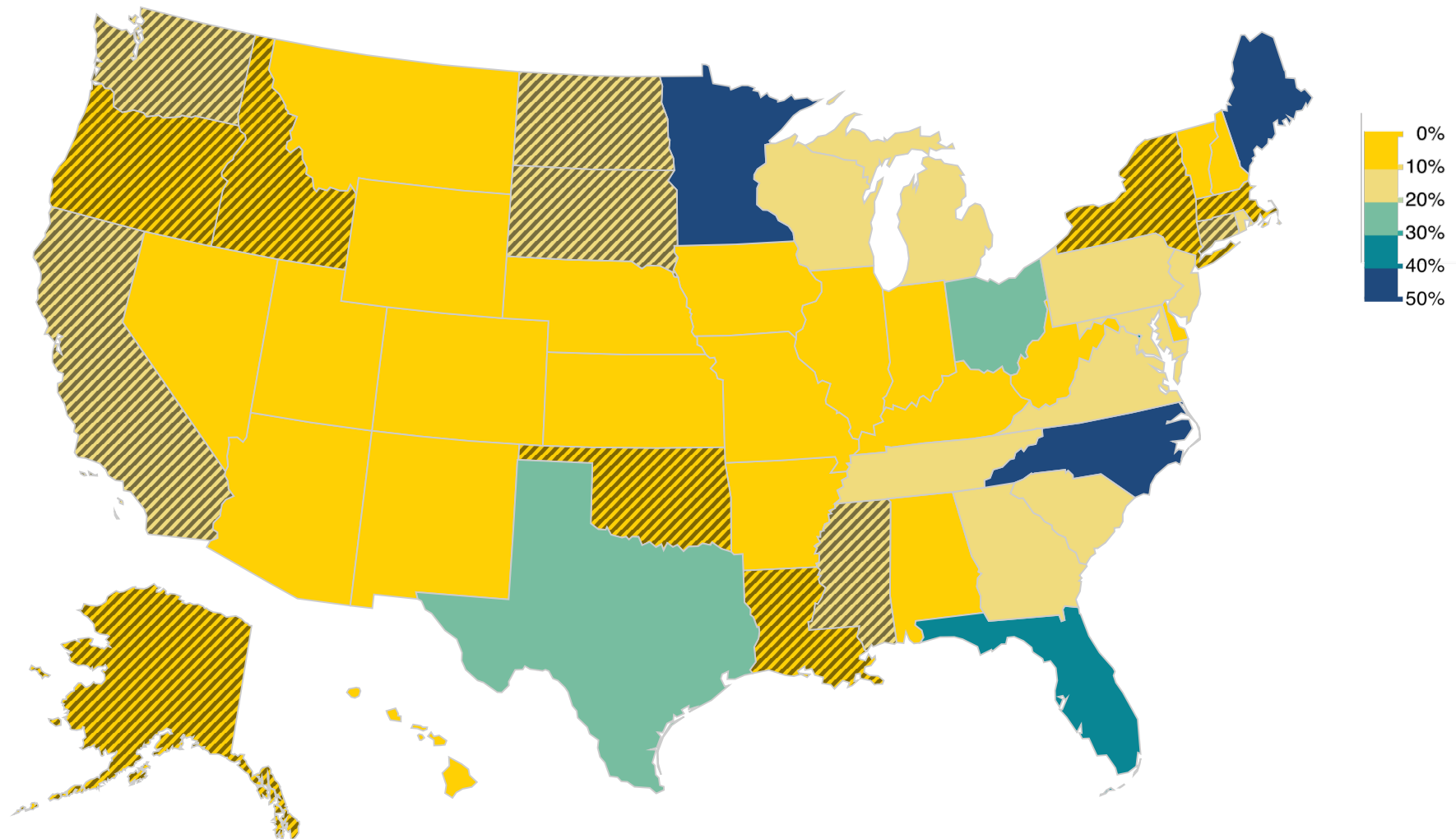
Percentage of Medicaid Eligibles Ages 1 to 20 Who Received Preventive Dental Services



Annual Dental or Medical Visits



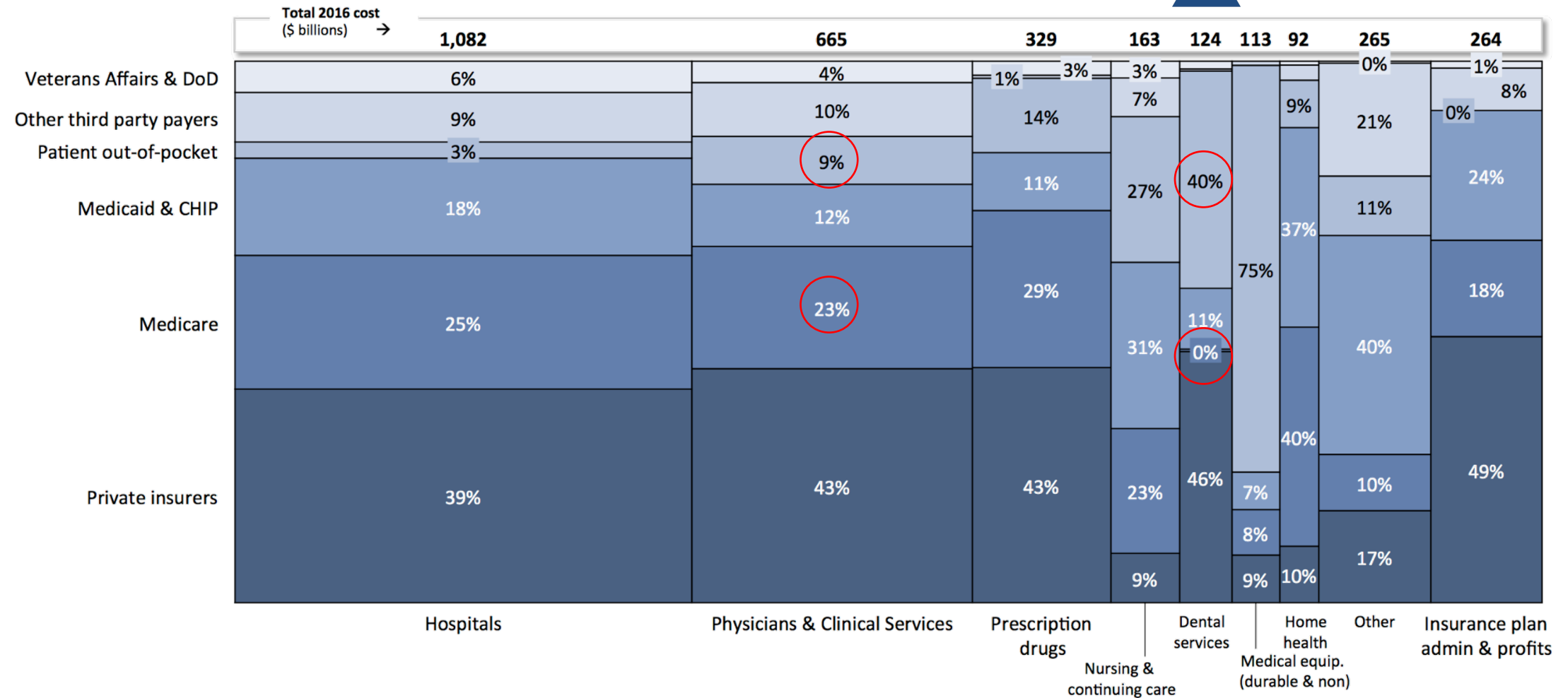
Oral Health Services by a Non-Dentist Provider



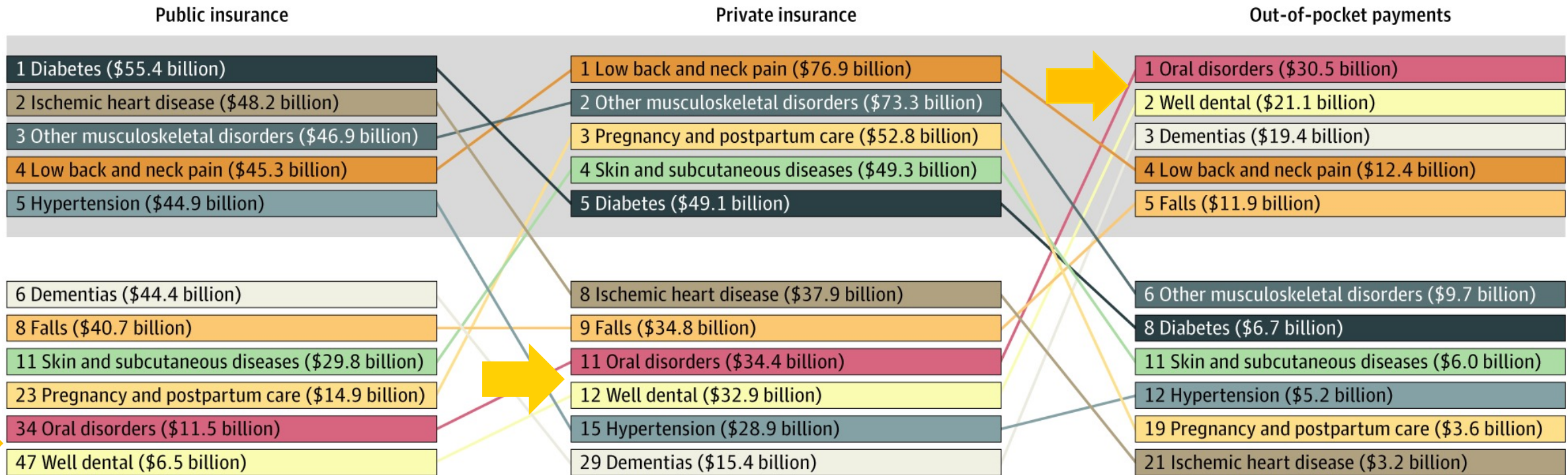
Source: 2018, Early and Periodic Screening, Diagnostic and Treatment (EPSDT) 1- to 2-Year-Old; Hatched overlay over states in Medicaid and CHIP Learning Collaborative “Advancing Prevention and Reducing Childhood Caries”

National Health Expenditure

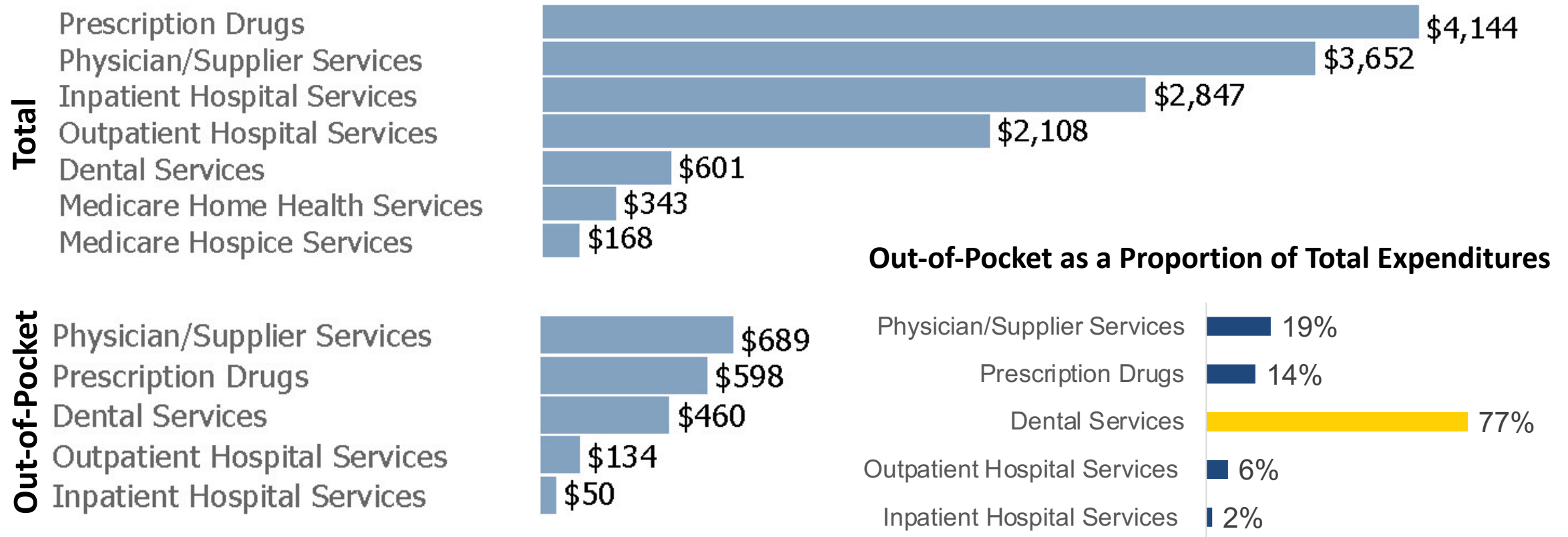
Dental is 4% of all Health Expenditures, \$124 Billion



2016 Health Care Spending



Health Care Service Expenditures per Capita for Selected Service Types Among Medicare Beneficiaries Living Only in the Community, in Dollars, 2018



Dental services have the highest out-of-pocket rate.

EMERGENCY DEPARTMENT VISITS FOR DENTAL CONDITIONS



Equity



Fiscal
Responsibility



Readmissions



Mortality



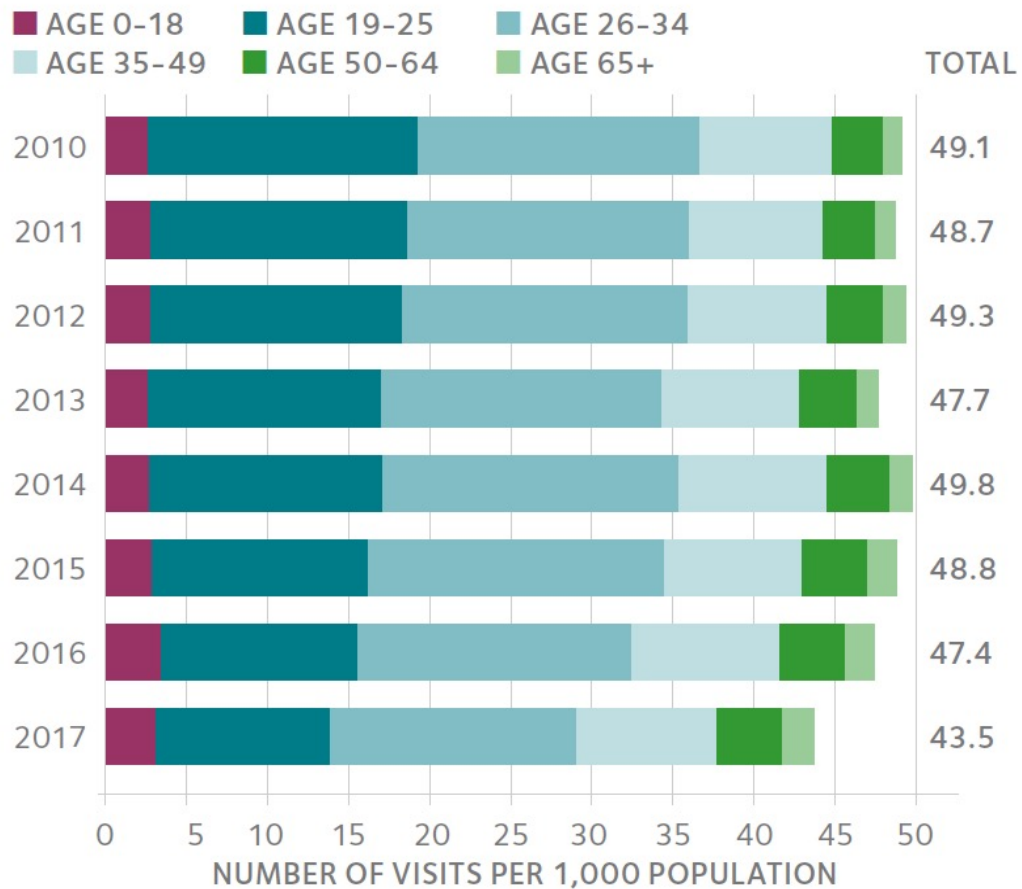
Opioids



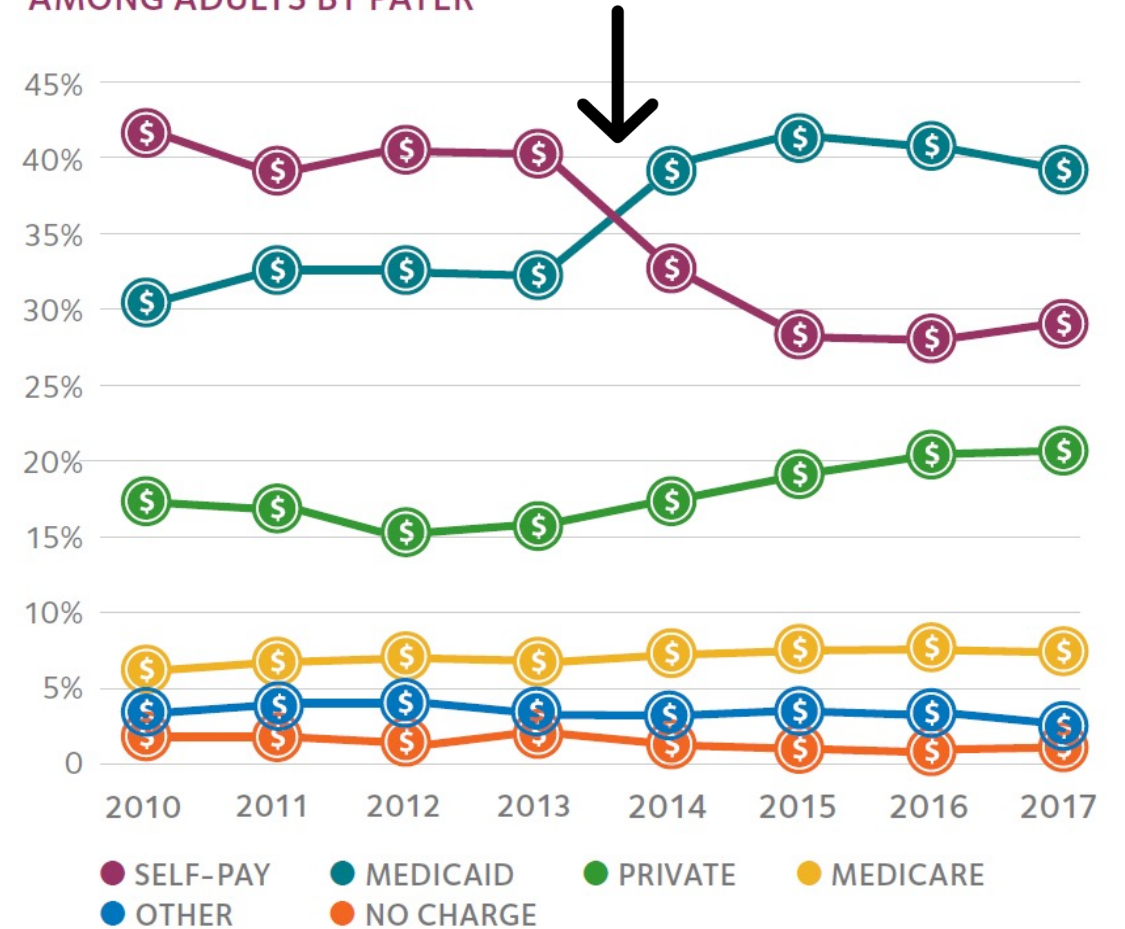
Antibiotics

Emergency Department Visits for Dental Conditions

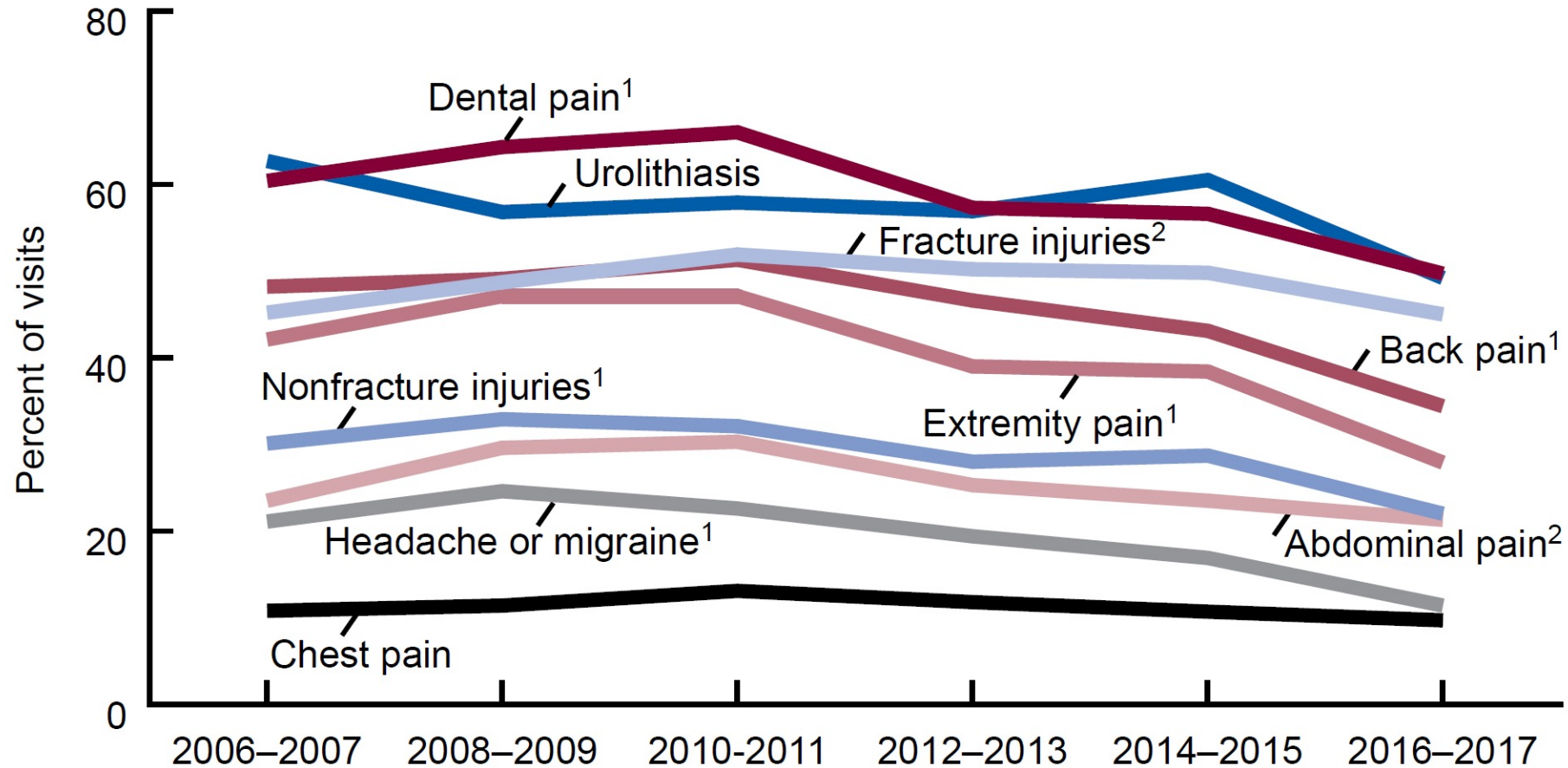
EMERGENCY DEPARTMENT VISITS FOR DENTAL CONDITIONS BY AGE GROUP



EMERGENCY DEPARTMENT VISITS FOR DENTAL CONDITIONS AMONG ADULTS BY PAYER



Percentage of Emergency Department Visits by Adults at which Opioids were Prescribed





Medicaid Adult Beneficiaries Emergency Department Visits for Non-Traumatic Dental Conditions



*Center for
Medicaid and CHIP
Services*

Oral Health: Challenges and Opportunities

