

Dental-Related ED Use in Duval County

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Acknowledgement and disclaimer

The data reported were derived from a limited data set supplied by the Florida Agency for Health Care Administration (AHCA).

AHCA disclaims responsibility for any analysis, interpretations, or conclusions that may be created as a result of the limited dataset.



Why look at dental-related ED visits?

- ❖ Potentially preventable events that can be avoided with effective outpatient care
 - ✓ Prevention
 - ✓ Early identification
 - ✓ Disease management
- Dental-related ED visits are important *health system outcome indicators*



What we looked at

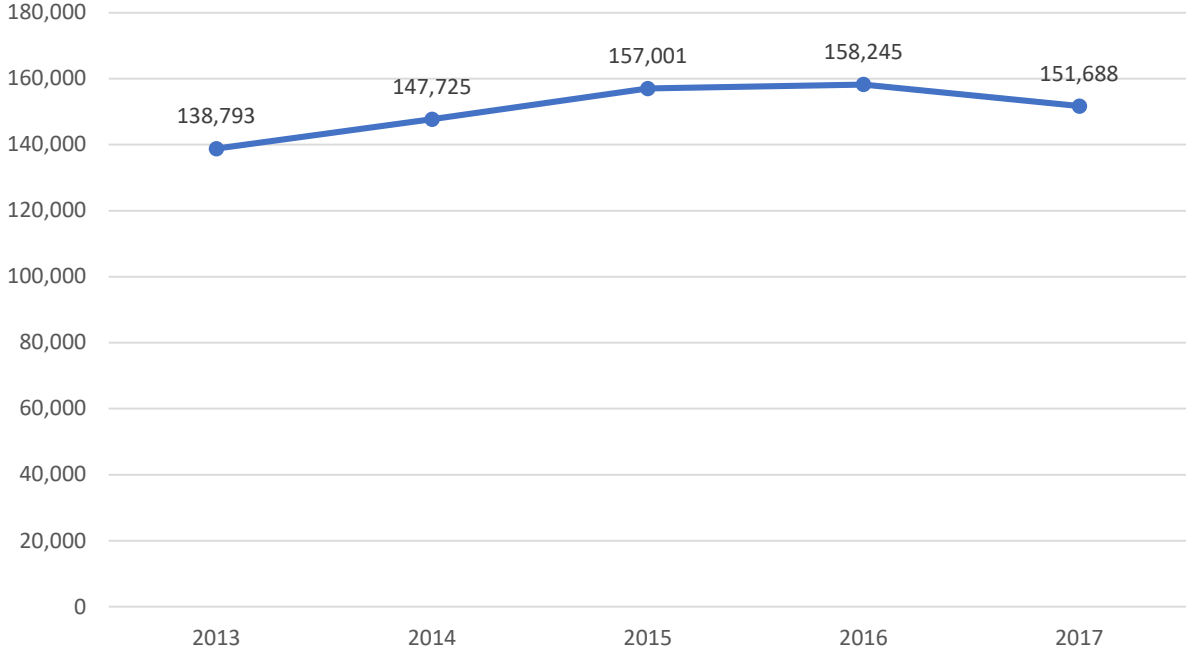
- ❖ **Data:** Emergency department data supplied by the Florida Agency for Health Care Administration (AHCA)
- ❖ **Non-traumatic dental-related ED visits:**
 - Identified using the first-listed, or *principal*, diagnosis
 - Used diagnosis codes that have been used by the American Dental Association Health Policy Institute and prior research (Tomar et al. 2016)

Tomar SL, et al. Trends in dental-related use of hospital emergency departments in Florida. *Journal of Public Health Dentistry*; 2016;76(3):249-257.

Wall T, Vujicic M. Emergency department use for dental conditions continues to increase. Chicago, IL: American Dental Association, Health Policy Institute; 2015.

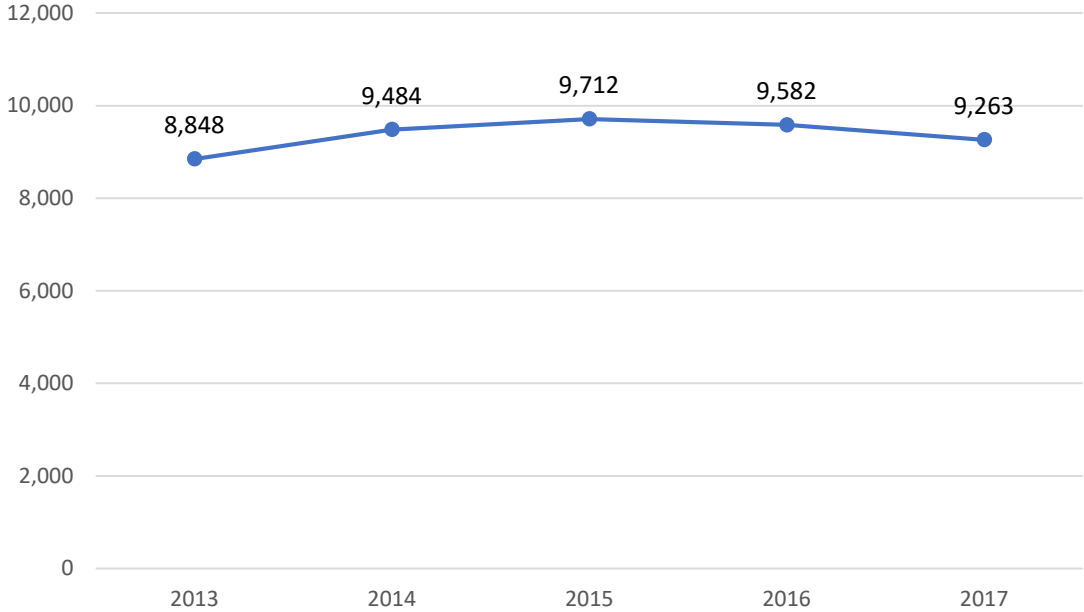
Dental-related ED visits

Florida Overall



More than 151,000 visits in 2017.

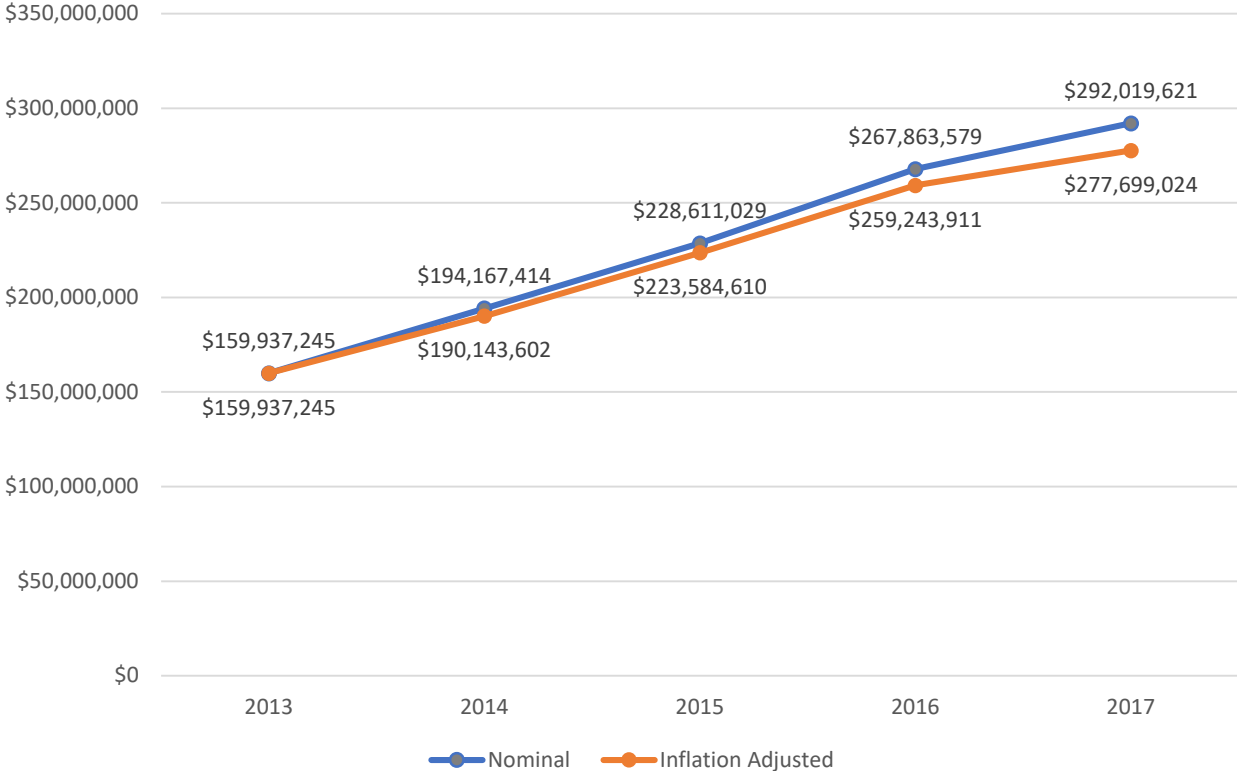
Duval County (Facilities)



More than 9,000 visits in 2017.

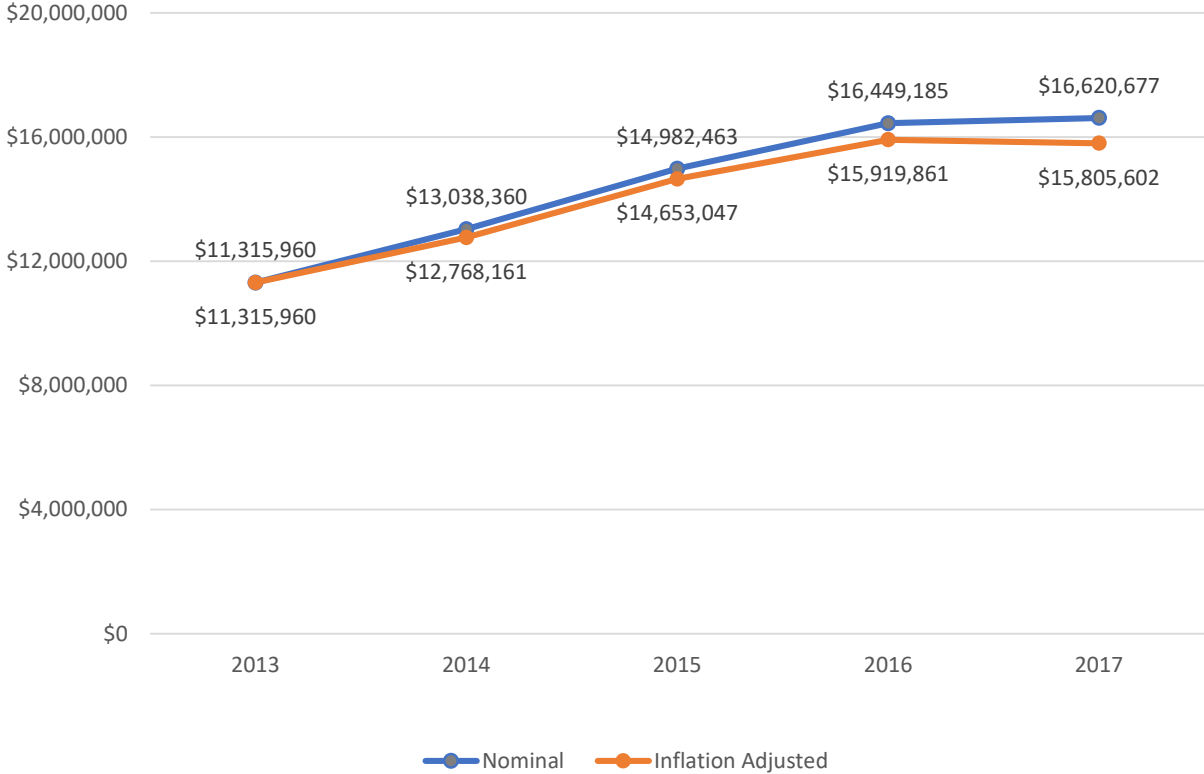
Dental-related charges

Florida Overall
Total Charges for Dental-Related ED Visits



Almost \$300 million in 2017

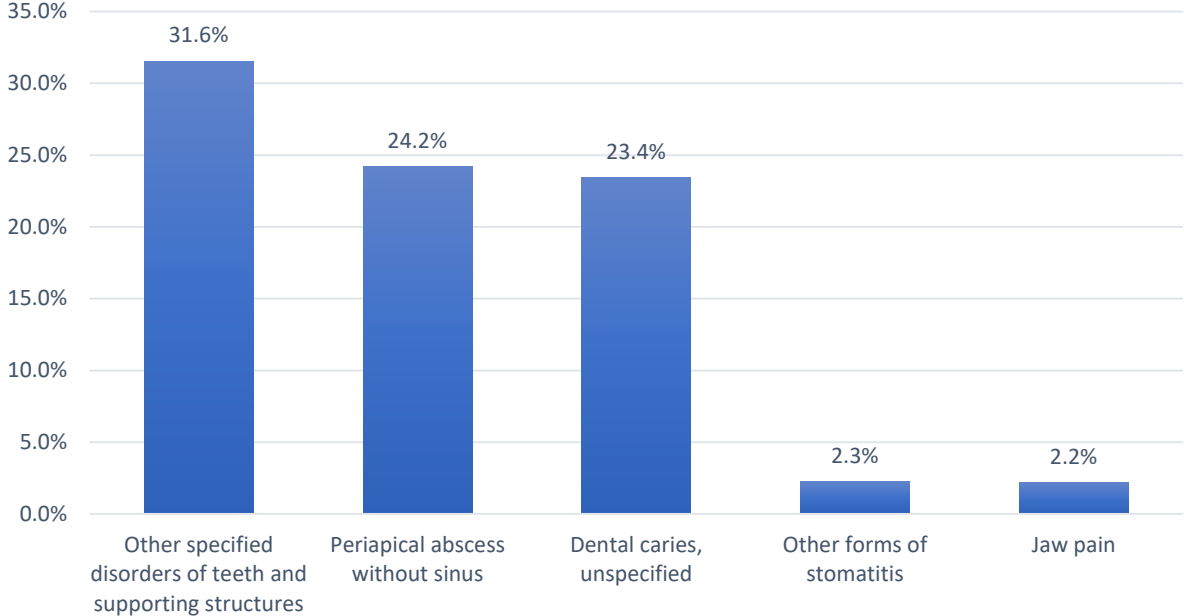
Duval County
Total Charges for Dental-Related ED Visits



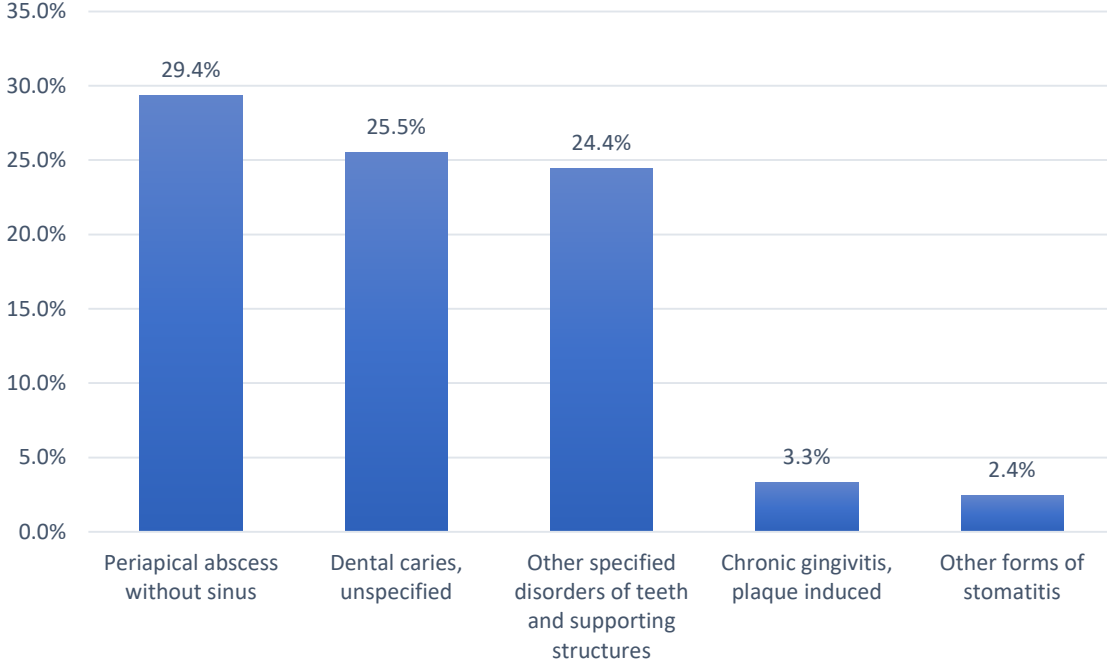
More than \$16 million in 2017

Dental-related diagnoses

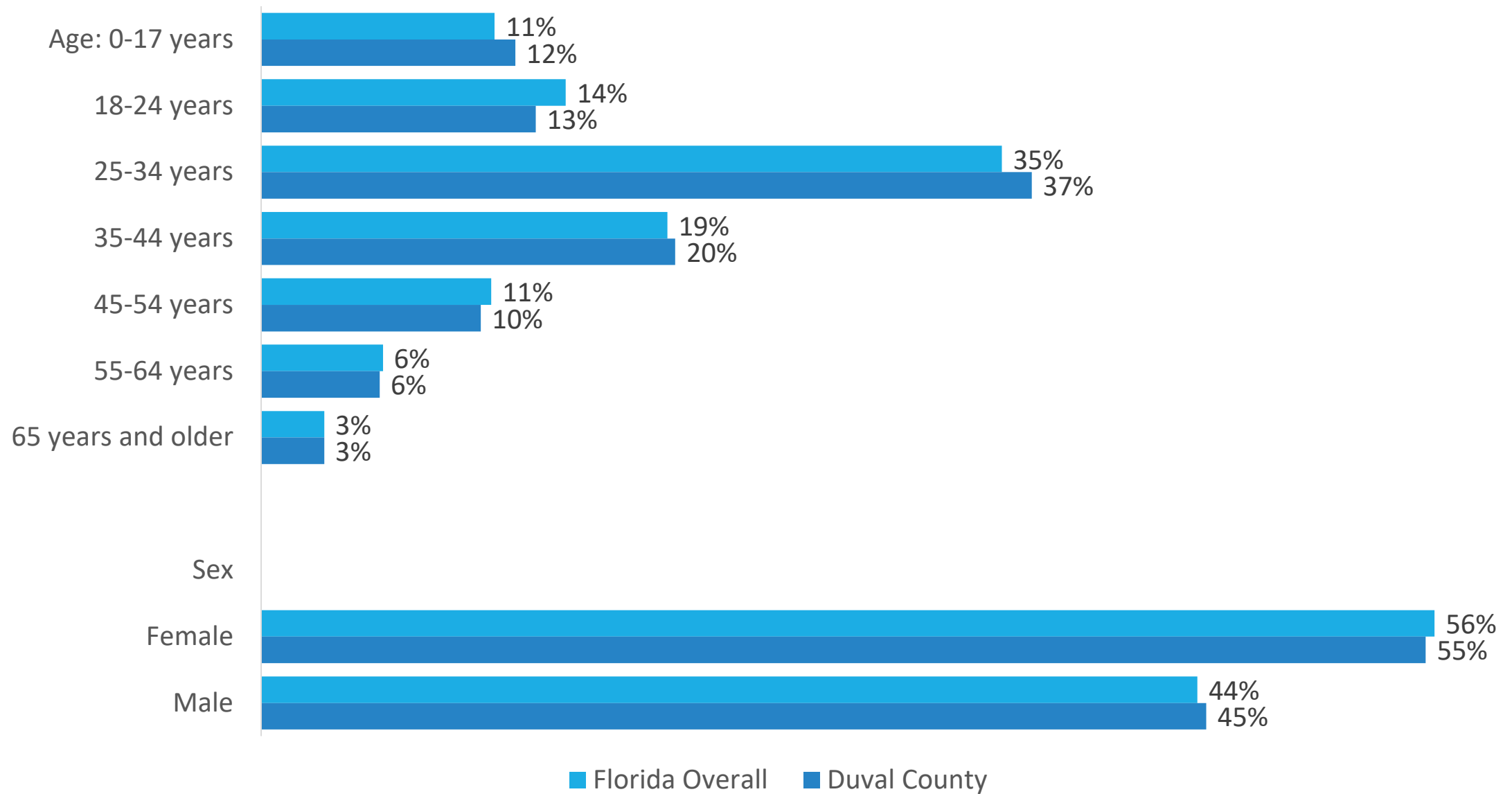
**Top 5 Most Frequently Occurring First-Listed Diagnoses
as % of All Dental-Related ED Visits (N=151,688)
Florida Overall, 2017**



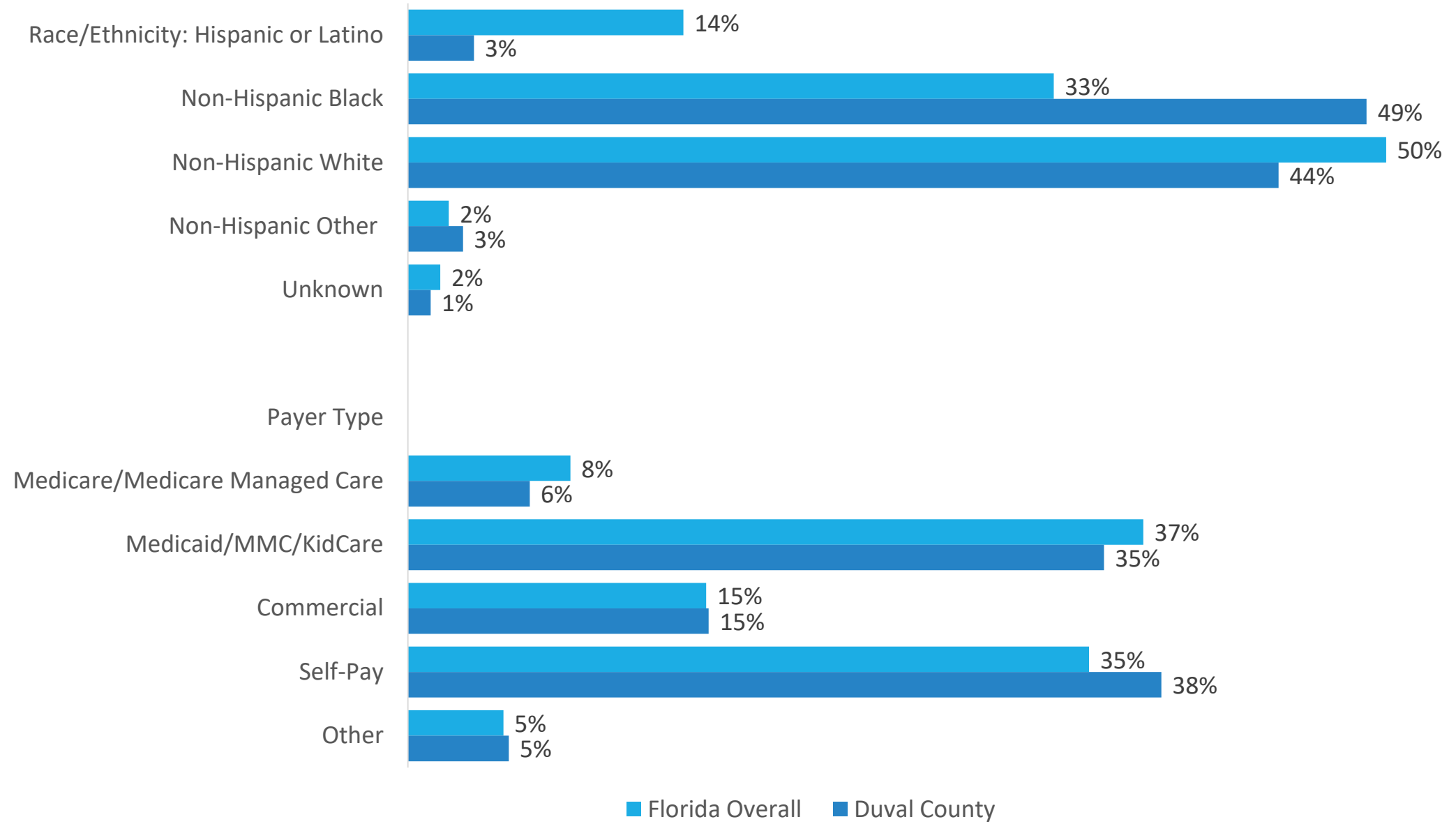
**Top 5 Most Frequently Occurring First-Listed Diagnoses
as % of All Dental-Related ED Visits (N=9,263)
Duval County, 2017**



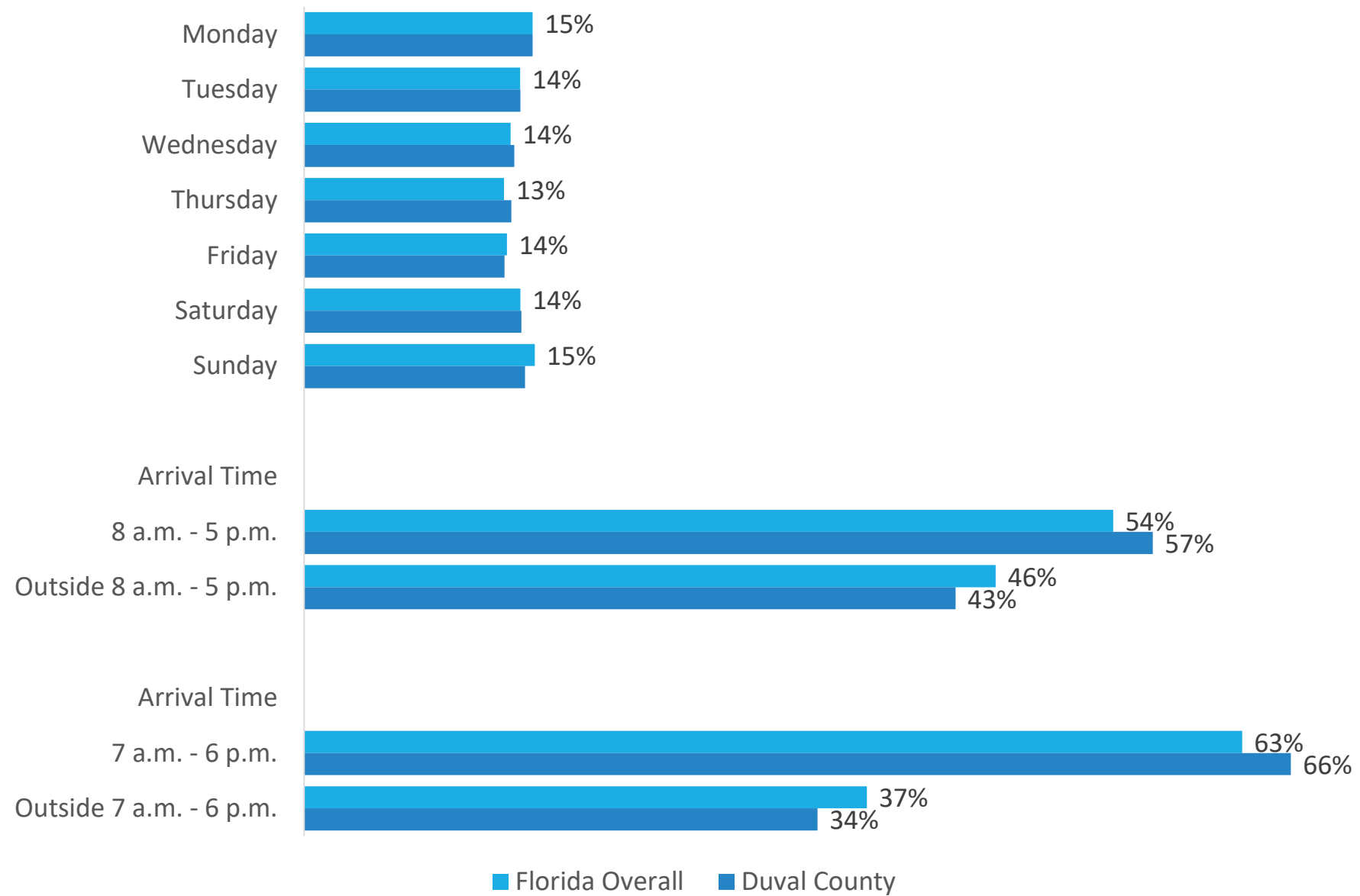
Patient Characteristics



Patient Characteristics

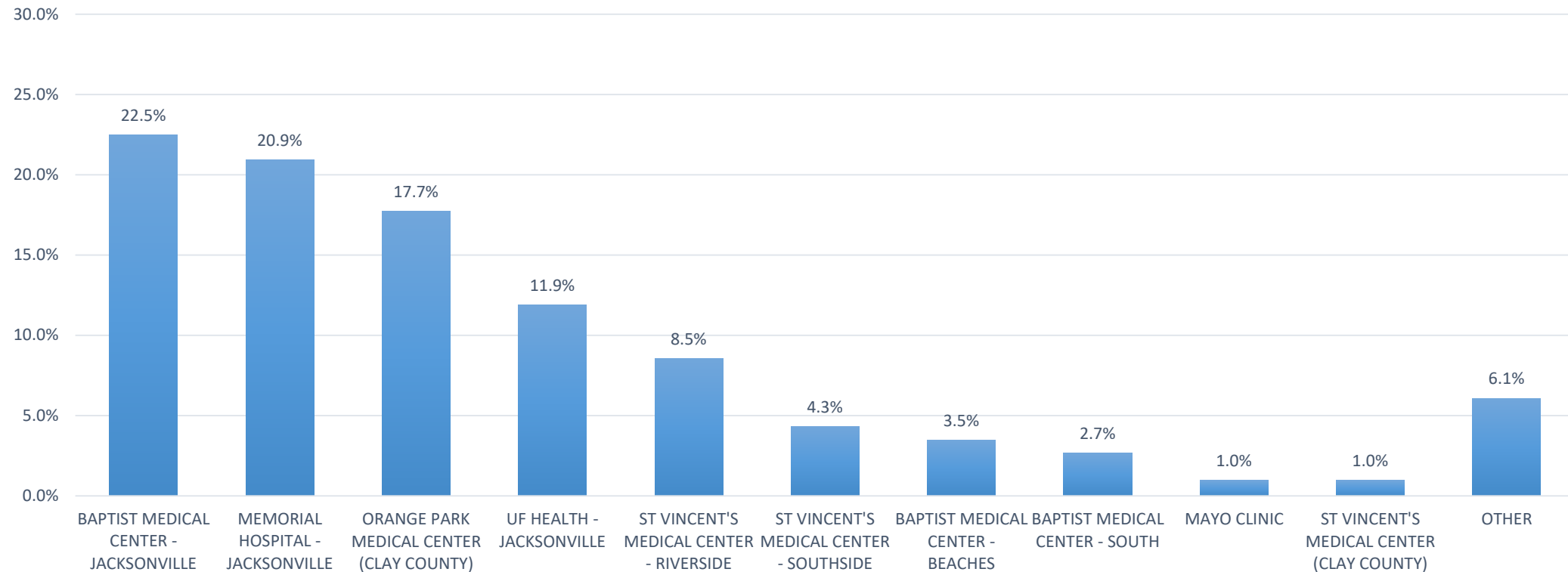


Visit Characteristics

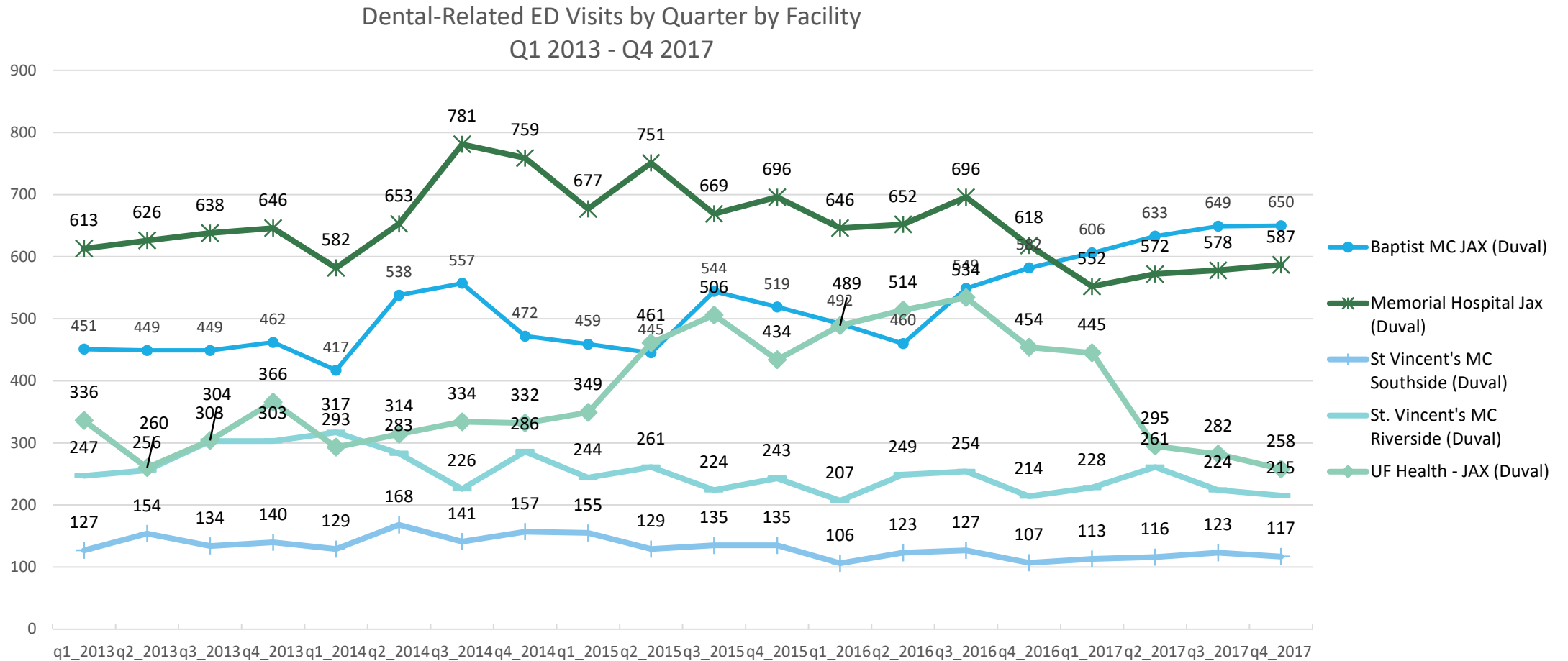


Which EDs do Duval County patients visit for dental-related care?

Percentage of Total Dental-Related ED Visits among Duval County Patients by Facility
2017



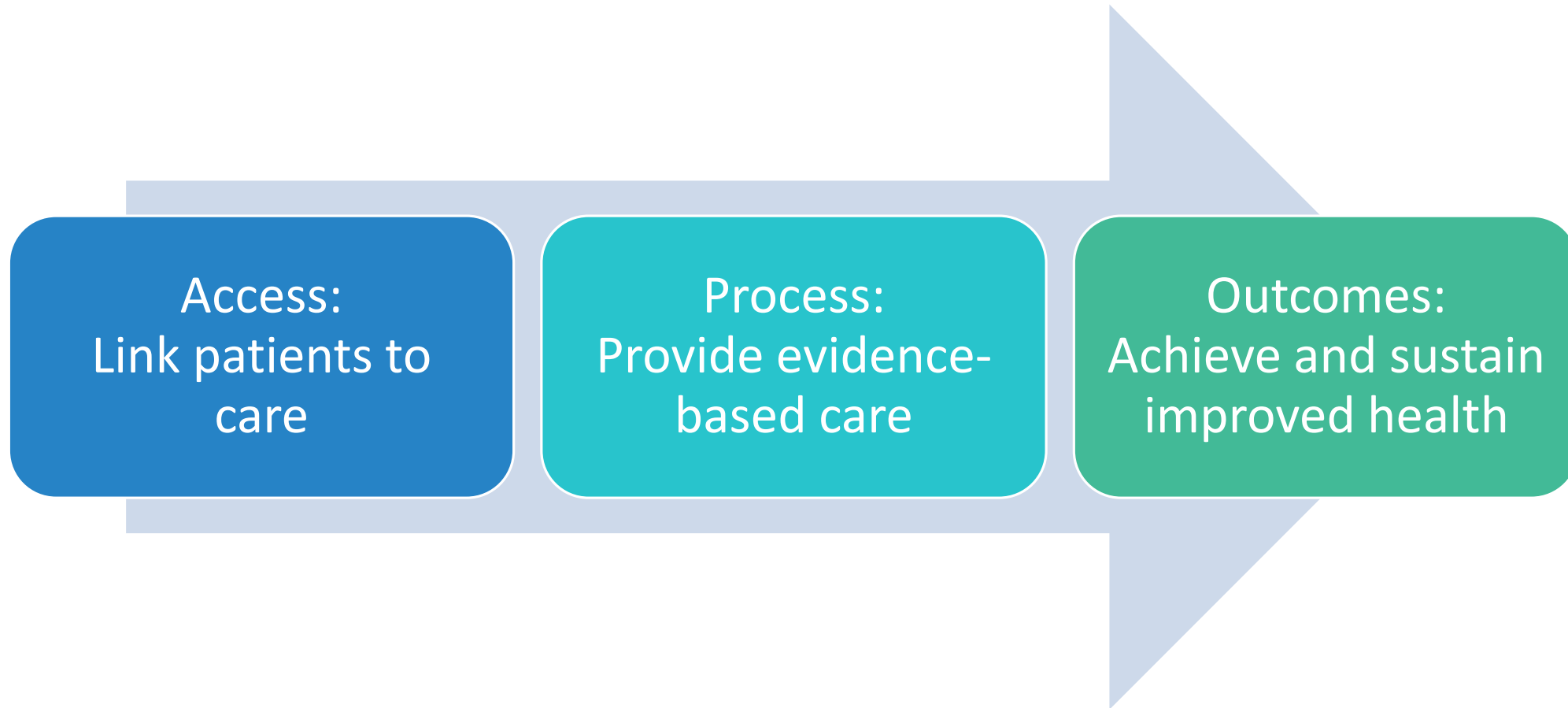
There is variation across facilities!



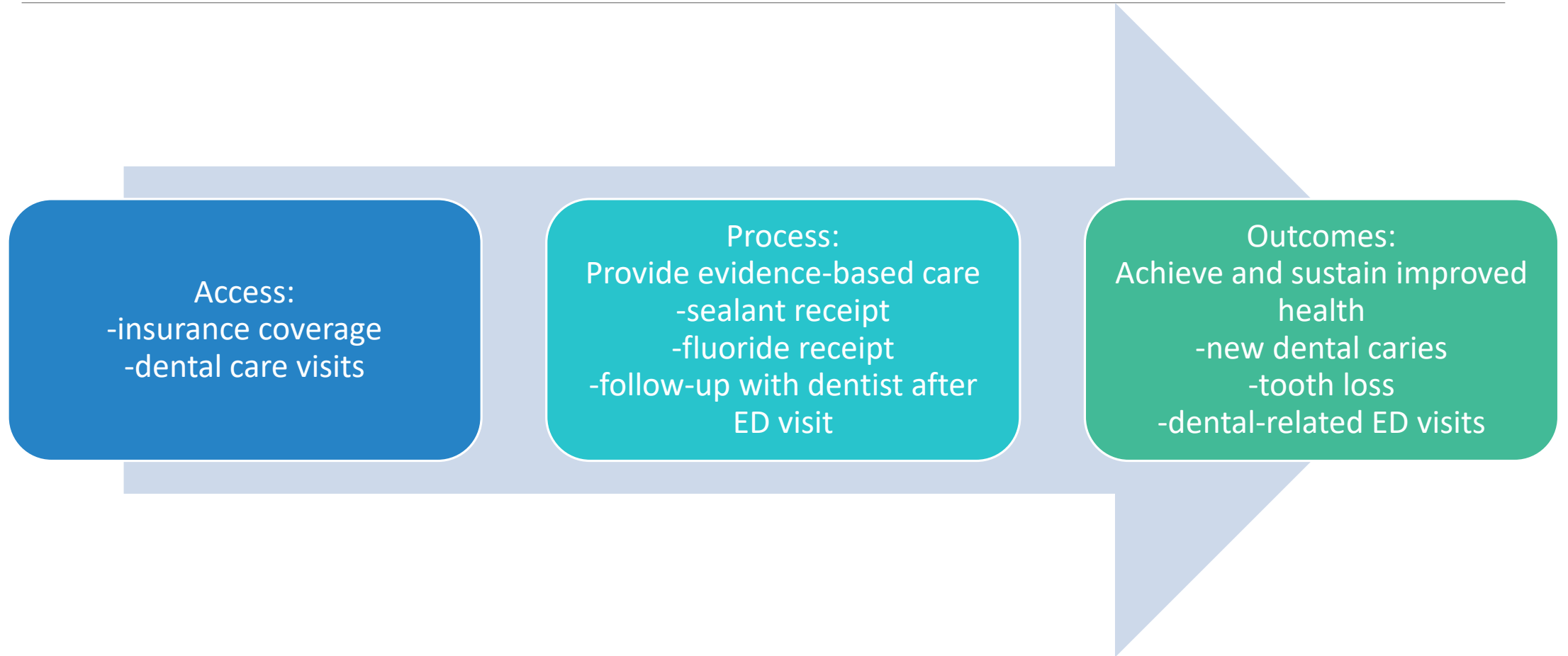
What can we learn from data?

- ❖ Assess performance
 - How we are doing now?
- ❖ Set goals for improvement
- ❖ Gather information that helps to target interventions
 - Identify characteristics of patients and visits
 - Confirm what we think we know
 - ...or not – we may instead learn our assumptions are mistaken
- ❖ Monitor whether we are achieving and sustaining improvement – are we improving, staying the same, getting worse?

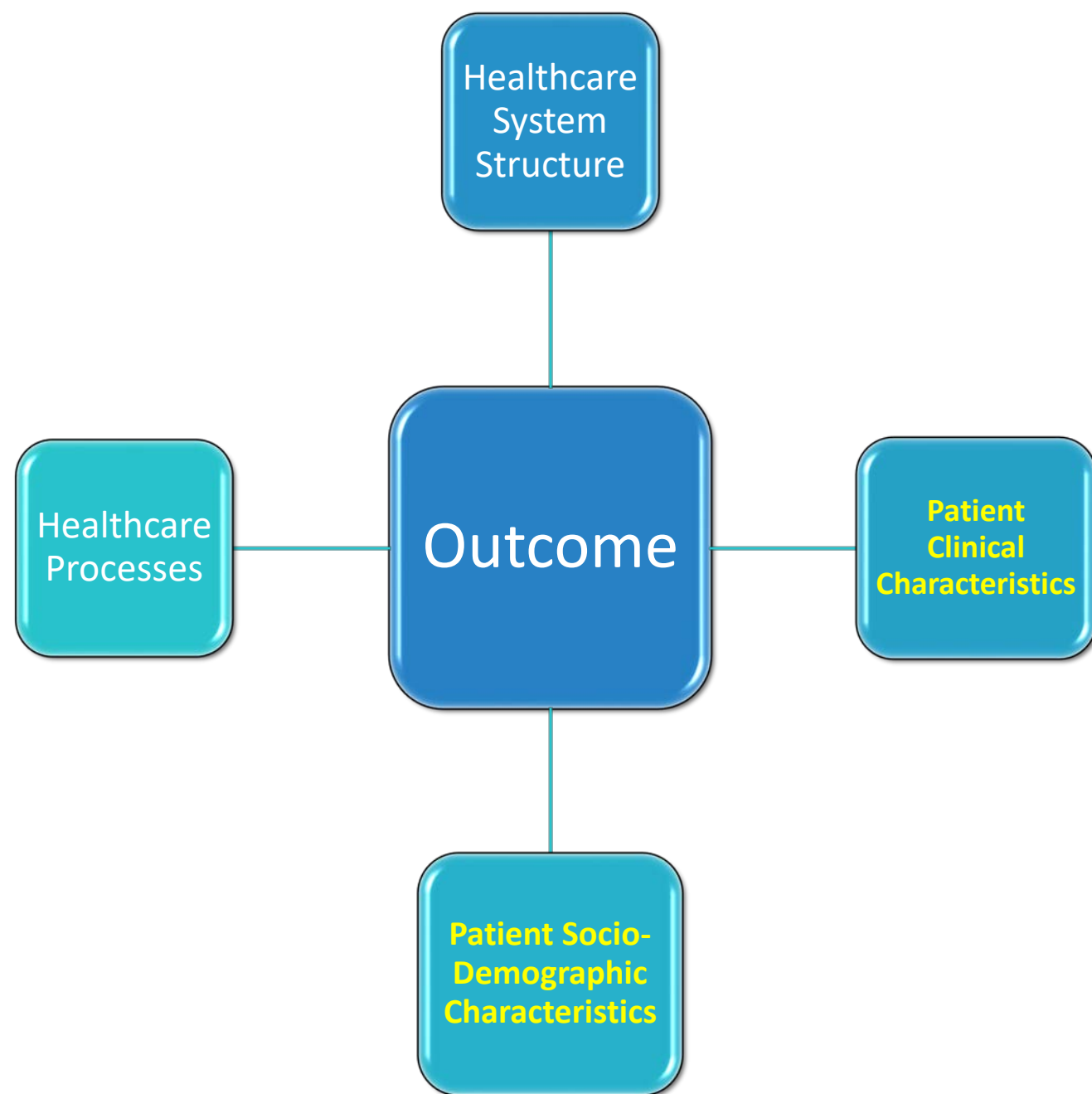
Driving improvement



Measuring improvement



Outcomes are Influenced by Factors other than Health Care



Community dashboards



Health Priorities Explore Data Tools & Resources Explore By County About

Home > Community Dashboard > Oral Health Dashboard

Search for Indicators

Oral Health Dashboard

Indicators related to oral health are listed below.

Use the drop-down menu below to select the location for which you would like to view data.

Scroll to view indicators, which are categorized as relating to health behaviors, the built environment, health care access, or health outcomes.

Click on the name of the indicator to view more information, such as how other locations compare to the selected location.



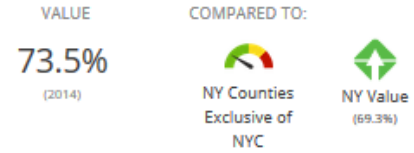
Onondaga

Turn Colorblind Mode On

<http://www.healthecny.org/index.php?module=indicators&controller=index&action=dashboard&alias=OralHealth>

Health Behaviors

Adults who Visited a Dentist



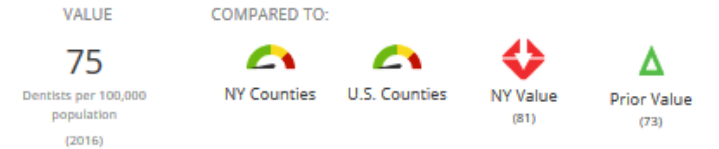
Built Environment

Residents with Fluoridated Water



Health Care Access

Dentist Rate



Health Outcomes

Third Grade Children with Untreated Tooth Decay



Adults with No Tooth Extractions



Thank you!

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