

Indicator Domain: OUTCOME

Indicator C.11. Percentage of Third-Grade Children with Urgent Dental Treatment Needs

Source: Association of State and Territorial Dental Directors (ASTDD), [Basic Screening Survey](#) (BSS)

1. Description

Percentage of third-grade children with urgent dental treatment needs

- **Numerator:** Number of third-grade children screened needing urgent dental care
- **Denominator:** Number of third-grade children screened

2. Framework Domain

Outcome

- Health status: The health state of a person or change in health state resulting from health care

3. Level of Reporting

This is a state-level, population-based surveillance measure of the burden of oral disease among third-grade children.

4. Data Source

Clinical screening examinations using the BSS tool developed by ASTDD.

5. Data Elements

Critical Data Elements	
Third-grade BSS	
Children screened	
Needs urgent dental care	
Available Stratification Elements	
Race/ethnicity	<u>Option 1</u> Non-Hispanic White Hispanic and Non-Hispanic other Unknown/missing <u>Option 2</u> Hispanic Non-Hispanic White Non-Hispanic Black Non-Hispanic other Unknown/missing

6. Measure Guidance

- **Data-collection year.** Indicate the school year of the most recent third-grade BSS. Also indicate when the next survey is planned.
- **Adjustment for sampling methodology.** Data should be adjusted for the complex sampling scheme, following guidance provided by ASTDD.⁴⁷

7. Measure Calculation: Detailed Specification

A. Denominator

Step 1: Identify the number of children screened in the state during the most recent third-grade BSS.

YOU NOW HAVE THE DENOMINATOR (DEN) COUNT: Children screened in the state during the most recent third-grade BSS

B. Numerator

Step 1: Determine the subset of the denominator (number of children screened) who were identified as needing urgent dental care.

YOU NOW HAVE THE NUMERATOR (NUM) COUNT: Children screened in the state during the most recent third-grade BSS who needed urgent dental care

C. Denominator Exclusions/Exceptions

Exclude children with missing variable for needs urgent dental care.

D. Reporting Stratifications

- a. Race/ethnicity (Hispanic, Non-Hispanic White, Non-Hispanic Black, Non-Hispanic other race, Non-Hispanic multiple race, unknown/missing)

Note: If data limitations necessitate, race categories can be collapsed as: Non-Hispanic White, Hispanic and Non-Hispanic other race, and unknown/missing)

E. Measure Score

Report:

- a. Number of individuals excluded from denominator, unweighted
- b. Number in denominator (after exclusions), unweighted sample count
- c. Number in numerator, unweighted sample count
- d. Number in denominator, weighted
- e. Number in numerator, weighted
- f. Measure score (NUM/DEN), weighted, with 95% confidence interval
- g. Measure score, weighted, stratified by [reporting stratification] with 95% confidence intervals and unweighted denominator count
- k. Whether positive or passive consent is used and the response rate

⁴⁷Association of State and Territorial Dental Directors. 2017. [Guidance on How to Analyze Data from a School-Based Oral Health Survey](#). Reno, NV: Association of State and Territorial Dental Directors.

8. Limitations

BSS tools were developed by ASTDD to help state and local public health agencies monitor the burden of oral disease at a level consistent with *Healthy People* objectives. BSS tools were not designed to measure small changes in disease levels and are probably not appropriate for use in oral health research.⁴⁸

The BSS is typically conducted at a recommended interval of every 5 years within a state. Consequently, this outcome indicator will not be updated annually.

If a state uses positive consent, the information is representative only of children whose families returned a consent form. ASTDD encourages states to use passive (opt-out) consent.

9. Additional Notes

Additional information on the BSS is available [online](#).

⁴⁸ Association of State and Territorial Dental Directors. 2017. [The Basic Screening Survey: A Tool for Oral Health Surveillance Not Research](#). Reno, NV: Association of State and Territorial Dental Directors.