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

<table>
<thead>
<tr>
<th>Critical Data Elements</th>
<th>Available Stratification Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third-grade BSS</td>
<td>Option 1</td>
</tr>
<tr>
<td>Children screened</td>
<td>Non-Hispanic White</td>
</tr>
<tr>
<td>Needs urgent dental care</td>
<td>Hispanic and Non-Hispanic other</td>
</tr>
<tr>
<td>Available Stratification Elements</td>
<td>Unknown/missing</td>
</tr>
<tr>
<td>Race/ethnicity</td>
<td>Option 2</td>
</tr>
<tr>
<td></td>
<td>Hispanic</td>
</tr>
<tr>
<td></td>
<td>Non-Hispanic White</td>
</tr>
<tr>
<td></td>
<td>Non-Hispanic Black</td>
</tr>
<tr>
<td></td>
<td>Non-Hispanic other</td>
</tr>
<tr>
<td></td>
<td>Unknown/missing</td>
</tr>
</tbody>
</table>
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
   h. Whether positive or passive consent is used and the response rate

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].

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