

## Healthy People 2010 Operational Definition

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### 14-18. Reduce the number of courses of antibiotics for ear infections for young children.

<b>National Data Sources</b>	National Ambulatory Medical Care Survey (NAMCS), CDC, NCHS; National Hospital Ambulatory Medical Care Survey (NHAMCS), CDC, NCHS.
<b>State Data Source</b>	Not identified.
<b>Healthy People 2000 Objective</b>	Adapted from 20.9 (Immunization and Infectious Diseases).
<b>Changes since the 2000 Publication</b>	Revised baseline (see Comments). Revised target (see Comments).
<b>Measure</b>	Rate per 100 children (2-year average).
<b>Baseline (Year)</b>	69 (1996-97)
<b>Target</b>	56
<b>Target-Setting Method</b>	19 percent improvement.  For a discussion of target-setting methods, see Part A, section 4.
<b>Numerator</b>	Number of antibiotic courses ordered, supplied, administered, or continued at a specific visit for children under age 5 years diagnosed with an ear infection (ICD-9-CM codes 381.0, 381.4, 382.0, 382.4, or 382.9).
<b>Denominator</b>	Number of children under age 5 years.
<b>Population Targeted</b>	U.S. civilian, noninstitutionalized population.
<b>Questions Used to Obtain the National Baseline Data</b>	From the 1996-97 National Ambulatory Medical Care Survey/National Hospital Ambulatory Medical Care Survey:  ➤ <i>Physician's diagnosis for this visit. As specifically as possible, list diagnoses related to this visit including chronic conditions (e.g. depression, obesity, asthma, etc.).</i>  1. <i>Primary diagnosis:</i> _____ 2. <i>Other:</i> _____ 3. <i>Other:</i> _____

➤ Medications/injections. List names of up to 6 medications that were ordered, supplied, administered, or continued during this visit. Include Rx and OTC medications, immunizations, allergy shots, and anesthetics.

○ None

➤ Check the box next to drug name if it is from the patient's insurance formulary list. Check here if NO drugs are from a formulary list

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

**Expected Periodicity** Biennial.

**Comments** The number of courses of antibiotics for ear infections among young children (and for the sole diagnosis of the common cold among all ages) are the sum of cases reported by NAMCS and NHAMCS that are listed as any diagnosis (including the primary diagnosis). See Part A, section 8 for a discussion of the Clinical Modification to the International Classification of Diseases (ICD-9-CM).

The original baseline of 108 per 100 children was revised to 69 per 100 as the result of changes in methodology. The target was proportionally adjusted from 88 per 100 children to 56 per 100 to reflect the revised baseline using the original target-setting method.

This objective differs from Healthy People 2000 objective 20.9, which tracked restricted activity days due to ear infections among children aged 4 years and under using the National Health Interview Survey (NHIS), CDC, NCHS.

For some measures, data do not meet the criteria for statistical reliability, data quality, or confidentiality and have been suppressed. Information on suppression of data for the major Healthy People 2010 data systems has been published in a *Healthy People Statistical Note*.<sup>1</sup>

See Part C for descriptions of NHAMCS and Appendix A for focus area contact information.

## References

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1. Klein, R.J.; Proctor, S.E.; Boudreault, M.A.; Turczyn, K.M. Healthy People 2010 Criteria for Data Suppression. *Statistical Notes* No. 24. Hyattsville, MD: National Center for Health Statistics. 2002.