

Healthy People 2010 Operational Definition

24-7. Increase the proportion of persons with asthma who receive appropriate asthma care according to the NAEPP guidelines.

24-7c. Persons with asthma who receive education about recognizing the early signs and symptoms of asthma episodes and how to respond appropriately, including instruction on peak flow monitoring for those who use daily therapy.

National Data Source	National Health Interview Survey (NHIS), CDC, NCHS.
State Data Source	Not identified.
Healthy People 2000 Objective	Not applicable.
Changes since the 2000 Publication	Revised baseline (see Comments). Revised target (see Comments).
Measure	Percent (age adjusted -- see Comments).
Baseline (Year)	65 (2003)
Target	68
Target-Setting Method	Better than the best racial/ethnic subgroup. For a discussion of target-setting methods, see Part A, section 4.
Numerator	Number of persons who report having received education on how to respond to an asthma episode, and either how to recognize early signs and symptoms or how to monitor peak flow.
Denominator	Number of persons who report having current asthma.
Population Targeted	U.S. civilian, noninstitutionalized population.
Questions Used to Obtain the National Baseline Data	From the 2003 National Health Interview Survey: [NUMERATOR:] Received education on how to respond to an asthma episode and either how to recognize early signs,

symptoms or how to monitor peak flow.

For persons under 18 years of age, Yes to:

- *Has a doctor or other health professional EVER taught {fill S.C. name} or his/her parent or guardian...*

How to respond to episodes of asthma?

AND yes to either:

- *How to recognize early signs or symptoms of an asthma episode?*

OR

- *How to monitor peak flow for daily therapy?*
- *Has a doctor or other health professional EVER told you that {fill S.C. name} had asthma?*
- *Does {fill S.C. name} still have asthma?*

For persons aged 18 years and older: Yes to:

- *Has a doctor or other health professional ever taught you...*

How to respond to episodes of asthma?

AND yes to either:

- *How to recognize early signs or symptoms of an asthma episode?*

OR

- *How to monitor peak flow for daily therapy?*
- *Have you EVER been told by a doctor or other health professional that you had...asthma?*
- *Do you still have asthma?*

[DENOMINATOR:]

Number of persons who report current asthma

For persons under 18 years of age, yes to both:

- *Has a doctor or other health professional EVER told you that {fill S.C. name} had asthma?*
- *Does {fill S.C. name} still have asthma?*

For persons aged 18 years and older, yes to both:

- *Have you EVER been told by a doctor or other health professional that you had...asthma?*
- *Do you still have asthma?*

Expected Periodicity

Periodic

Comments

Persons are classified as having education on early signs, symptoms and response to asthma episodes if they responded “yes” to being taught how to respond to an episode of asthma and either how to recognize early signs and symptoms of an asthma episode or how to monitor peak flow.

There was a methodological change in the numerator and in the denominator from 'ever' asthma to 'current' asthma (yes to 'ever asthma' and yes to 'still asthma') to maintain consistency with the Council of State and Territorial Epidemiologists (CSTE) case definition for asthma.

In 2001 the question "do you still have asthma?" was added to the NHIS child and adult questionnaires. In addition, data were previously displayed only for persons who reported receiving an education on how to respond to an asthma episode and not to the other two numerator questions. The original baseline of 68 percent was changed to 65 percent due to these two changes in methodology. The baseline year did not change. The target was proportionally adjusted from 71 to 68 percent to reflect the revised baseline based on the original target setting method.

Data are age adjusted to the 2000 standard population using the age groups under 18 years, 18-44, 45-54, 55-64, 65-74 and 75 years and over. Age-adjusted rates are weighted sums of age-specific rates. For a discussion on age adjustment, see Part A, section 7.

Objective 24-7 moved from developmental to measurable during the Healthy People 2010 Midcourse Review. Data from the NHIS became available to monitor all six sub-objectives.

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*¹

See Part C for a description of NHIS and Appendix A for focus area contact information.

References

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.