

## Healthy People 2010 Operational Definition

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

**24-7b. Persons with asthma with prescribed inhalers who receive instruction on how to use the inhaler properly.**

<b>National Data Source</b>	National Health Interview Survey (NHIS), CDC, NCHS.
<b>State Data Source</b>	Not identified.
<b>Healthy People 2000 Objective</b>	Not applicable.
<b>Changes since the 2000 Publication</b>	Methodological changes (see Comments).
<b>Measure</b>	Percent (age adjusted -- see Comments).
<b>Baseline (Year)</b>	96.0 (2003)
<b>Target</b>	98.8
<b>Target-Setting Method</b>	Better than the best racial/ethnic subgroup. For a discussion of target-setting methods, see Part A, section 4.
<b>Numerator</b>	Number of persons with current asthma who report receiving instruction on how to use the inhaler properly.
<b>Denominator</b>	Number of persons with current asthma who report ever having used a prescription inhaler.
<b>Population Targeted</b>	U.S. civilian, noninstitutionalized population.
<b>Questions Used to Obtain the National Baseline Data</b>	From the 2002 National Health Interview Survey:  [NUMERATOR:] Number of persons having proper-use instructions with prescribed inhalers For persons under 18 years of age, yes to: ➤ <i>Has a health professional shown {fill S.C. name} how to use {his/her} inhaler? (This includes</i>

*showing parents for their young children.)*

AND yes to:

- *Has {fill S.C. name} EVER used a PRESCRIPTION inhaler?*
- *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 health professional shown you how to use your inhaler?*

AND yes to:

- *Have you ever used a PRESCRIPTION inhaler?*
- *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 ever having used a prescription inhaler

For persons under 18 years of age:

Yes to all three of the following:

- *Has {fill S.C. name} EVER used a PRESCRIPTION inhaler?*
- *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 all three of the following:

- *Have you ever used a PRESCRIPTION inhaler?*
- *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 received proper-use instructions with prescribed inhalers if they responded “yes” to the question on inhaler instruction by a medical professional as listed above under Numerator.

There was a methodological change in the numerator and in the denominator from ‘ever’ asthma plus either an asthma attack or reporting still

having 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. The baseline and target values did not change as a result of the methodological changes.

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*<sup>1</sup>

See Part C for a description of NHIS 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.