

Healthy People 2010 Operational Definition

24-4. Reduce activity limitations among persons with asthma.

National Data Source	National Health Interview Survey (NHIS), CDC, NCHS.
State Data Source	Not identified.
Healthy People 2000 Objective	17.4 (Diabetes and Chronic Disabling Conditions)
Changes since the 2000 Publication	Revised baseline (see Comments). Revised baseline year (see Comments). Revised target (see Comments).
Measure	Percent (age adjusted -- see Comments).
Baseline (Year)	14 (2001)
Target	7
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 'current' asthma and activity limitation due to a respiratory problem.
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 2001 National Health Interview Survey: [NUMERATOR:] Current asthma and Activity limitation: For persons under 18 years of age a "yes" response to: <ul style="list-style-type: none">➤ <i>Has a doctor or other health professional EVER told you that [fill: S.C. name] had asthma?</i> AND <ul style="list-style-type: none">➤ <i>Does [fill: S.C. name] still have asthma?</i> AND a response of "Asthma/breathing problem" to: <ul style="list-style-type: none">➤ <i>What conditions or health problems cause</i>

{person} limitations?

For persons 18 years of age and older a “yes” response to:

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

AND

- *Do you still have asthma?*

AND a response of “Lung/breathing problem (e.g. asthma, emphysema)” to:

- *What conditions or health problems cause {person} limitations*

[DENOMINATOR:]

Number of persons who report having *current* asthma:

For persons under 18 years of age a “yes” response to both:

- *Has a doctor or other health professional EVER told you that - - had asthma?*

AND

- *Does [fill: S.C. name] still have asthma?*

For persons aged 18 years and older a “yes” response to both:

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

AND

- *Do you still have asthma?*

Expected Periodicity Annual

Comments

Persons aged 18 years and older are classified as having an activity limitation if they responded that lung/breathing problems caused limitations.

Persons under age 18 years are classified as having an activity limitation if they responded that asthma/breathing problems caused limitations.

There was a methodological change in the numerator and in the denominator ‘ever asthma’ plus an asthma attack 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.

The original 1994-1996 baseline of 20 percent was revised to 10 percent for 1997 as a result of

changes in the survey. The 1997 baseline of 10 percent was changed to 14 percent due to the methodological change in the denominator. The baseline year was changed from 1997 to 2001 due to the change in methodology. In 2001 the question 'do you still have asthma?' was added to the NHIS child and adult questionnaires. The target of 6 percent was proportionally adjusted to 7 percent to reflect the revised baseline using 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 of age adjustment, see Part A, section 7.

This objective tracks the same measure as Healthy People objective 17.4; however, data to monitor objective 17.4 were not age adjusted.

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.