

Healthy People 2010 Operational Definition

5-15. Increase the proportion of persons with diabetes who have at least an annual dental examination.

National Data Source	National Health Interview Survey (NHIS), CDC, NCHS.
State Data Source	Behavioral Risk Factor Surveillance System (BRFSS), CDC, NCCDPHP. (See State Operational Definition, below.)
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)	56 (1997)
Target	71
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 aged 2 years and older who report ever being diagnosed with diabetes and report that they have seen or spoken to a dentist in the past year.
Denominator	Number of persons aged 2 years and older who have ever been told that they have diabetes.
Population Targeted	U.S. civilian, noninstitutionalized population.
Questions Used To Obtain the National Baseline Data	From the 1997 National Health Interview Survey: [NUMERATOR:] <ul style="list-style-type: none">➤ <i>About how long has it been since you last saw or talked to a dentist? Include all types of dentists, such as orthodontists, oral surgeons, and all other dental specialists, as well as hygienists.</i><ul style="list-style-type: none">(1) <i>6 months or less</i>(2) <i>More than 6 months but not more than a year ago</i>(3) <i>More than 1 year ago but less than 3 years ago</i>

- (4) *More than 3 years*
- (5) *Never*

[DENOMINATOR:]

[For children under 18 years:]

- *Has a doctor or health professional told you that {sample child} has any of these conditions?*

[List of conditions includes diabetes]

[For adults 18 years and older:]

[For females:]

- *Other than during pregnancy, have you EVER been told by a doctor or health professional that you have diabetes or sugar diabetes?*

[For males:]

- *Have you EVER been told by a doctor or health professional that you have diabetes or sugar diabetes?*

Yes

No

Borderline

Don't know

Refused

Expected Periodicity Annual.

Comments

Adults are considered to have diabetes if they respond “yes” to either of the two questions listed above in the DENOMINATOR section. Those who respond “borderline” are not included. Women who report that the only time they have been diagnosed with diabetes was during pregnancy (gestational diabetes) are also excluded.

Children are considered to have diabetes if the adult proxy respondent reports that they have ever been told by a doctor that the child has diabetes.

An annual dental examination is defined as seeing or speaking to a dental professional in the past year.

The original baseline was revised from 58 percent to 56 percent as the result of a modification of the age groups used for age adjustment. The target was proportionally adjusted from 75 percent to 71 percent to reflect the revised baseline using the original target setting method.

Data (except those by education status) are age adjusted to the 2000 standard population using the age groups 2-44, 45-64, and 65 years and over. Data by education status are age adjusted using the

age groups 25-44, 45-64, and 65 years and over. Age-adjusted percents are weighted sums of age-specific percents. For a discussion of age adjustment, see Part A, section 7.

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.

State Operational Definition

5-15. Increase the proportion of persons with diabetes who have at least an annual dental examination.

State Data Source	Behavioral Risk Factor Surveillance System (BRFSS), CDC, NCCDPHP.
National Data Source	National Health Interview Survey (NHIS), CDC, NCHS.
Measure	Percent (age adjusted—see Comments).
Numerator	Number of persons aged 18 years and older with diabetes who report that they have seen or spoken to a dentist in the past year.

Denominator	Number of persons aged 18 years and older who report that they have ever been diagnosed with diabetes.
Population Targeted	State-specific civilian, non-institutionalized adult population residing in households with telephones (see Comments).
Questions Used To Obtain the State Baseline Data	<p>From the 1998 Behavioral Risk Factor Surveillance System:</p> <p>[NUMERATOR:]</p> <ul style="list-style-type: none"> ➤ <i>How long has it been since you last visited the dentist or a dental clinic?</i> <ul style="list-style-type: none"> a.) <i>Within the past year (1 to 12 months ago)</i> b.) <i>Within the past 2 years (1 to 2 years ago)</i> c.) <i>Within the past 5 years (2 to 5 years ago)</i> d.) <i>5 or more years ago</i> e.) <i>Don't know/Not sure</i> f.) <i>Never</i> g.) <i>Refused</i> <p>[DENOMINATOR:]</p> <ul style="list-style-type: none"> ➤ <i>Have you ever been told by a doctor that you have diabetes?</i> <ul style="list-style-type: none"> <i>Yes</i> <i>Yes, but female told only during pregnancy</i> <i>No</i> <i>Don't know/Not sure</i> <i>Refused</i>
Expected Periodicity	Periodic.
Comments	<p>Data for this objective are collected using two optional modules of the BRFSS, which are made available to States for administration annually. The numerator is from the oral Health module, while the denominator is from the Diabetes module. The number of States that select each module varies every year. In 1998, 12 States, including D.C., used the optional Oral Health module while 39 States, including D.C., used the Diabetes module.</p> <p>National data from the NHIS and state data from the BRFSS may not be comparable for a number of reasons, including mode of question administration, context of questions, question wording, and survey sampling frame.</p> <p>Persons are considered to have diabetes if they respond "yes" to the question "have you ever been</p>

told by a doctor that you have diabetes” listed above in the DENOMINATOR section. Women who report that the only time they have been diagnosed with diabetes was during pregnancy (gestational diabetes) are excluded.

Data (except those by education status) are age adjusted to the 2000 standard population using the age groups 2-44, 45-64, and 65 years and over. Data by education status are age adjusted using the age groups 25-44, 45-64, and 65 years and over. Age-adjusted percents are weighted sums of age-specific percents. For a discussion of age adjustment, see Part A, section 7.

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 www.cdc.gov/brfss for a description of BRFSS 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.