

Healthy People 2010 Operational Definition

14-29. Increase the proportion of adults who are vaccinated annually against influenza and ever vaccinated against pneumococcal disease.

Noninstitutionalized adults aged 65 years and older.

14-29a. Influenza vaccine.

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	20.11 (Immunization and Infectious Diseases).
Leading Health Indicator	Immunization.
Changes since the 2000 Publication	None.
Measure	Percent (age adjusted-see Comments).
Baseline (Year)	64 (1998)
Target	90
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 65 years and older who report receiving an influenza vaccination in the past 12 months.
Denominator	Number of persons aged 65 years and older.
Population Targeted	U.S. civilian, noninstitutionalized population.
Questions Used To Obtain the National Baseline Data	From the 1998 National Health Interview Survey:

➤ *During the PAST 12 MONTHS, have you had a*

flu shot? A flu shot is usually given in the fall and protects against influenza for the flu season.

Expected Periodicity Annual.

Comments

This subobjective is used to track the Immunization Leading Health Indicator. See Appendix E for a complete list.

Data are age adjusted to the 2000 standard population using the age groups 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.

This objective is a modification of Healthy People 2000 objective 20.11, which tracked influenza vaccinations in the past 12 months, as well as pneumococcal vaccinations ever received among persons aged 65 years and older. The Healthy People 2010 measures are age adjusted; data from objective 20.11 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.

State Operational Definition

14-29. Increase the proportion of adults who are vaccinated annually against influenza and ever vaccinated against pneumococcal disease.

Noninstitutionalized adults aged 65 years and older.

14-29a. Influenza vaccine.

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 65 years and older who report receiving an influenza vaccination in the past 12 months.
Denominator	Number of persons aged 65 years and older.
Population Targeted	State-specific civilian, non-institutionalized adult population residing in households with telephones (see Comments).
Questions Used To Obtain the State Baseline Data	From the 1998 Behavioral Risk Factor Surveillance System: ➤ <i>During the PAST 12 MONTHS, have you had a flu shot?</i>
Expected Periodicity	Periodic.
Comments	At baseline, data for this objective were collected using an optional module of the BRFSS, which is made available to States for administration annually. The number of States that select the Immunization module varies every year. In 1998, 13 States excluding The District of Columbia used the optional Immunization module. Since 1998, the question has been added to the BRFSS core. Therefore, recent data have been available from all States and the District of Columbia.

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.

Data are age adjusted to the 2000 standard population using the age groups 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.

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.