

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 high-risk adults aged 18 to 64 years.

14-29c. Influenza vaccine.

National Data Source	National Health Interview Survey (NHIS), CDC, NCHS.
State Data Source	Behavioral Risk Factor Surveillance System (BRFSS), CDC, NCCDPHP.
Healthy People 2000 Objective	20.11 (Immunization and Infectious Diseases)
Changes since the 2000 Publication	None.
Measure	Percent (age adjusted-see Comments).
Baseline (Year)	26 (1998)
Target	60
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 high-risk persons aged 18 to 64 years who report receiving an influenza vaccination in the past 12 months.
Denominator	Number of high-risk persons aged 18 to 64 years.
Population Targeted	U.S. civilian, noninstitutionalized population.
Questions Used To Obtain the National Baseline Data	From the 1998 National Health Interview Survey: [NUMERATOR:] ➤ <i>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.</i>

[DENOMINATOR:]

- *Have you EVER been told by a doctor or other health professional that you had...*
 - ... *Hypertension, also called high blood pressure?*
 - ... *Coronary heart disease?*
 - ... *Angina, also called angina pectoris?*
 - ... *A heart attack (also called myocardial infarction)?*
 - ... *Any kind of heart condition or heart disease (other than the ones I just asked about)?*
 - ... *A stroke*
 - ... *Emphysema?*
 - ... *Asthma?*
- *During the PAST 12 MONTHS, have you had an episode of asthma or asthma attack?*
- *Have you EVER been told by a doctor or other health professional that you had ...*
 - ... *Cancer or a malignancy of any kind?*

[If yes:]

- *What kind of cancer was it?*
 - (1) Bladder
 - (2) Blood
 - (3) Bone
 - (4) Brain
 - (5) Breast
 - (6) Cervix
 - (7) Colon
 - (8) Esophagus
 - (9) Gallbladder
 - (10) Kidney
 - (11) Larynx - windpipe
 - (12) Leukemia
 - (13) Liver
 - (14) Lung
 - (15) Lymphoma
 - (16) Melanoma
 - (17) Mouth/tongue/lip
 - (18) Ovary
 - (19) Pancreas
 - (20) Prostate
 - (21) Rectum
 - (22) Skin (non-melanoma)
 - (23) Skin (DK what kind)
 - (24) Soft Tissue (muscle or fat)
 - (25) Stomach
 - (26) Testes
 - (27) Throat - pharynx
 - (28) Thyroid
 - (29) Uterus
 - (30) Other
 - (96) More than 3 kinds
- *(Other than during pregnancy,) Have you EVER been told by a doctor or health professional that you have*

diabetes or sugar diabetes?

- *During the PAST 12 MONTHS, have you been told by a doctor or other health professional that you had..*

... Chronic bronchitis?

... Weak or failing kidneys? - Do not include kidney stones, bladder infections or incontinence.

... Any kind of liver condition?

Expected Periodicity Annual.

Comments A high-risk person is defined as a respondent who answered "yes" to one or more of the conditions listed in the questions above. The only condition not included in the definition of high risk is skin cancer (see conditions 22 and 23 listed in Questions Used To Obtain the National Data above). High-risk adults are defined by the Advisory Committee on Immunization Practices (ACIP).

Not all high-risk conditions for complications of influenza and pneumococcal disease can be ascertained by NHIS (for example, immunocompromised), and the sample size may be too small for some groups.

Data (except those by education status) are age adjusted using the age groups 18-44, and 45-64 years. 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. Objectives 14-29c and 14-20d track influenza vaccinations in the past 12 months and pneumococcal vaccinations ever received among high-risk persons aged 18 to 64 years. 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.