

Chapter 7. Healthy Living

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7.1. Maternal and Child Health

Measure ID

NVSS_16, 70101011

Measure Title

Live-born infants with low birth weight (less than 2,500 grams)

Measure Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Vital Statistics System - Natality (NVSS-N)

Table Description

Geographic Representation: National

Years Available: 2007-2015

Population Subgroups: Age, sex, location, race, ethnicity

Data Source

CDC, NCHS, NVSS-N

Denominator

Population of live-born infants

Numerator

Subset of the Denominator who were low birth weight or very low birth weight

Comments

Excluded from these analyses are States that did not use the 2003 Revision to Birth Certificate: Alabama, Alaska, Arizona, Arkansas, Connecticut, District of Columbia, Hawaii, Illinois, Louisiana, Maine, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, Nevada, New Jersey, North Carolina, Oklahoma, Rhode Island, Utah, Virginia, West Virginia, and Wisconsin.

Measure ID

NVSS_13, 70101021

Measure Title

Women who completed a pregnancy in the last 12 months who received early and adequate prenatal care

Measure Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Vital Statistics System - Natality (NVSS-N)

Table Description

Geographic Representation: National

Years Available: 2009 - 2013

Data Source

CDC, NCHS, NVSS-N

Denominator

Live births occurring to residents in those States that use the 2003 revised birth certificate

Numerator

Subset of the Denominator who received prenatal care in the first trimester

Comments

Excluded from these analyses are the following States that did not use the 2003 Revision to Birth Certificate: Alabama, Alaska, Arizona, Arkansas, Connecticut, Hawaii, Louisiana, Maine, Massachusetts, Minnesota, Mississippi, New Jersey, North Carolina, Rhode Island, Virginia, West Virginia, and Wisconsin.

Measure ID

NVSS_14, 70101031

Measure Title

Infant mortality per 1,000 live births, birth weight less than 1,500 grams

Infant mortality per 1,000 live births, birth weights 1,500-2,499 grams

Measure Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Vital Statistics System (NVSS)-Linked Birth and Infant Death Data

Table Description

Geographic Representation: National

Years Available: 2000-2014

Population Subgroups: Age, sex, location, race, ethnicity

Data Source

CDC, NCHS, NVSS

National Denominator

As appropriate to the birth weight:

Live births with birth weight less than 1,500 grams.

National Numerator

Subset of the Denominator who died within the first year

Measure ID

NVSS_14, 70101033

Measure Title

Infant mortality per 1,000 live births, birth weights 1,500-2,499 grams

Measure Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Vital Statistics System (NVSS)-Linked Birth and Infant Death Data

Table Description

Geographic Representation: National

Years Available: 2000-2014

Population Subgroups: Age, sex, location, race, ethnicity

Data Source

CDC, NCHS, NVSS

National Denominator

As appropriate to the birth weight:

Live births with birth weights 1,500-2,499 grams.

National Numerator

Subset of the Denominator who died within the first year.

Measure ID

NVSS_14, 70101034

Measure Title

Infant mortality per 1,000 live births, birth weight 2,500 grams or more

Measure Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Vital Statistics System (NVSS)-Linked Birth and Infant Death Data

Table Description

Geographic Representation: National

Years Available: 2001-2014

Population Subgroups: Age, sex, location, race, ethnicity

Data Source

CDC, NCHS, NVSS

National Denominator

For birth weights more than 2,500 grams, population of live births, birth weights more than 2,500 grams.

National Numerator

Subset of the Denominator who died within the first year

Measure ID

NIS_15, 70101051

Measure Title

Exclusive breastfeeding through 3 months

Measure Source

Healthy People 2020 MICH-21.4

Table Description

Geographic Representation: National

Years Available: 2009-2014

Population Subgroups: Income, race/ethnicity, sex

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS) National Center for Immunization and Respiratory Diseases (NCIRD), National Immunization Survey (NIS)

Denominator

U.S. civilian noninstitutionalized children aged 19 to 35 months born in the same cohort year

Numerator

Number of caregivers of children born in a cohort year who indicate their child was exclusively breastfed (given nothing but breast milk) through 3 months of age

Comments

This measure is referred to as measure 2020 MICH-21.4 in Healthy People 2020 documentation, https://www.healthypeople.gov/node/4862/data_details.

Infants are considered to have been breastfed exclusively through 3 months if the responses to questions about age when first fed formula AND age when first fed something other than breast milk or formula both indicate that the child was 3 month old when either occurred OR that the child has never had formula nor anything but breast milk.

Using a computer-generated list, the National Immunization Survey (NIS) identifies households across the United States with children aged 19-35 months and interviews the person who is most knowledgeable about the child's immunization status ("caregiver"). Survey years are combined to calculate breastfeeding statistics by year of child's birth (cohort) instead of the year in which the participant was surveyed. To calculate breastfeeding indicators by year of child birth, data are combined across all relevant survey years. Because children are 19-35 months of age at the time of the parent interview, each survey year represents children born over three years. For example, breastfeeding data for children in the 2006 birth cohort are obtained from NIS 2007, 2008, and 2009.

7.2. Lifestyle Modification

Measure ID

MEPS_15, 70201011

Measure Title

Adult current smokers with a checkup in the last 12 months who received advice to quit smoking

Measure Source

Healthy People 2010

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, ethnicity, family income, education, employment status, health insurance, Medicaid/CHIP, residence location, language spoken at home, perceived health status, activity limitations, number of chronic conditions, U.S. born.

Data Source

National: Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Denominator

U.S. civilian noninstitutionalized population age 18 and over who are current smokers and who had a routine checkup in the past 6 or 12 months, as appropriate

Numerator

Subset of the Denominator who indicated they had received advice to quit smoking

Comments

The national table reports data from the MEPS Self-Administered Questionnaire (SAQ). Nonrespondents and “Don’t Know” responses were excluded from the analysis.

The national estimates are age-adjusted to the 2000 U.S. standard population using three age groups: 18-44, 45-64, and 65 and over.

This measure is referred to as measure 1-3c in Healthy People 2010 documentation.

The allowable responses to MEPS question about smoking changed in 2003. Therefore, reported national rates may not be comparable with earlier years.

Measure ID

NHIS_26, 70201021

Measure Title

Smoking cessation attempts in the past year among adult smokers aged 18 and older

Measure Source

Centers for Disease Control and Prevention (CDC)/National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

Table Description

Geographic Representation: National

Years Available: 2011-2016

Population Subgroups: Race, income, education, ethnicity, age, gender, employment, insurance, Medicaid/CHIP, health status, nativity

Data Source

NHIS, CDC/NCHS

Denominator

Number of persons aged 18 years and over who are current cigarette smokers or former smokers abstinent less than or equal to 365 days

Numerator

Number of current cigarette smokers aged 18 years and over who quit smoking for 1 day or longer during the 12 months prior to the interview and former smokers abstinent less than or equal to 365 days

Comments

From the Healthy People 2020 objective TU-4.1.

Adults are classified as current smokers if they report having smoked 100 or more cigarettes in their life and currently smoking cigarettes “everyday” or “some days.”

The methodology counts both successful (currently abstinent less than one year) and failed cessation attempts in the last 12 months.

Measure ID

NHIS_27, 70201022

Measure Title

Recent cessation success by adult smokers aged 18 and older

Measure Source

Centers for Disease Control and Prevention (CDC)/National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

Table Description

Geographic Representation: National

Years Available: 2011-2016

Population Subgroups: Race, income, education, ethnicity, age, gender, employment, insurance, Medicaid/CHIP, health status, nativity

Data Source

NHIS, CDC/NCHS

Denominator

Number of persons aged 18 years and over who have ever smoked 100 cigarettes, who do not smoke now, and last smoked less than or equal to 1 year ago, PLUS current smokers who initiated smoking at least 2 years ago.

Numerator

Number of persons aged 18 years and over who ever smoked 100 cigarettes, who do not smoke now, and last smoked 6 months to 1 year ago.

Comments

From the Healthy People 2020 objective TU-5.1.

This indicator measures the proportion of current adult smokers aged 18 years and over who are eligible to be a recent quitter who have had recent smoking cessation success. Persons who are eligible to quit smoking in the last year include persons who have ever smoked 100 cigarettes and who report that they stopped smoking within the past 1 year as well as current (every day or someday) smokers who initiated smoking 2 or more years ago.

Time since initiation is determined by subtracting the age reported for when the respondent first started smoking regularly from the respondent's current age. If the difference is 2 years or greater these persons are considered to be eligible to be a recent quitter. Persons who responded that they were 85 years or older when they first started smoking regularly are counted as initiating at age 85. Persons who reported that they stopped smoking in the past 1 year can report time since quitting in days, weeks, months, and years and are included in the Denominator: if they reported as follows: (1-95 days; 1-52 weeks; 1-12 months; 1 year). Recent success in smoking cessation included persons who reported that they stopped smoking 6 months to 1 year ago and are included in the Numerator: if they reported as follows: (27-52 weeks; 6-12 months; 1 year).

Measure ID

NAMCS_17, 70201023

Measure Title

Tobacco cessation medications prescribed or tobacco education that was delivered for tobacco use among adults age 18 and over per 1,000 population.

Measure Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Ambulatory Medical Care Survey (NAMCS).

Table Description

Geographic Representation: National

Years Available: 2008-2009 to 2012-2013

Population Subgroups: sex, race/ethnicity, health insurance status, geographic location (patient)

Data Source

CDC, NCHS, NAMCS

Denominator

Physician office visits by adults age 18 and over.

Numerator

Physician office visits by adults age 18 and over who were screened positive for current tobacco use and received tobacco cessation counseling or tobacco cessation medication.

Measure ID

NHANES_6, 70201031

Measure Title

Children ages 2-19 who were overweight and who were told by a doctor they were overweight

Measure Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS)

Table Description

Geographic Representation: National

Years Available: 1999-2002 to 2011-2014

Population Subgroups: Age, sex, family income, race, ethnicity

Data Source

CDC, NCHS, NHANES

Denominator

People ages 2-5, 6-11, 12-19, 2-19, as appropriate, with a body mass index (BMI) greater than or equal to the 95th percentile on the BMI-for-age, sex-specific 2000 CDC growth charts for the United States.

Numerator

Subset of the Denominator who reported they were told by a doctor that they were overweight.

Measure ID

NHANES_1, 70201041

Measure Titles

Children ages 2-19 with obesity

Measure Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS)

Table Description

Geographic Representation: National

Years Available: 1999-2002 to 2011-2014

Population Subgroups: Age, education, sex, income, race/ethnicity

Data Source

CDC, NCHS, National Health and Nutrition Examination Survey (NHANES)

Denominator

Children ages 2-5, 6-11, 12-19 and 2-19 years, as appropriate.

Numerator

Subset of the Denominator with a body mass index (BMI) greater than or equal to the 95th percentile on the BMI-for-age, sex-specific 2000 CDC growth charts for the United States.

Comments

Used new body mass index definition instead of using BMXBMI variable to calculate obesity

Measure ID

NHANES_5, 70201032

Measure Title

Adults with obesity age 20 and over who had been told by a doctor or health professional that they were overweight

Measure Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS)

Table Description

Geographic Representation: National

Years Available: 1999-2002 to 2011-2014

Population Subgroups: Age, education, sex, income, race, ethnicity

Data Source

CDC, NCHS, National Health and Nutrition Examination Survey (NHANES)

Denominator

Adults age 20 and over with a body mass index (BMI) of 30 or greater.

Numerator

Subset of the Denominator who reported they were told by a doctor that they were overweight.

Comments

Estimates are age adjusted to the 2000 U.S. standard population, except where indicated. Total, race, ethnicity, gender, and family income are adjusted using three age groups: 20-44, 45-64, and 65 and over; education is adjusted using age groups 25-44, 45-64, and 65 and over.

Measure ID

MEPS_10, 70201051

Measure Title

Adults with obesity who ever received advice from a health professional to exercise more

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, ethnicity, family income, education, employment status, health insurance, Medicaid/CHIP, residence location, language spoken at home, perceived health status, activity limitations, number of chronic conditions, U.S. born.

Data Source

AHRQ, CFACT, MEPS

Denominator

U.S. civilian noninstitutionalized population age 18 and over with a body mass index (BMI) of 30 or greater, excluding pregnant female

Numerator

Subset of the Denominator who reported they were given advice about exercise by a doctor or health professional

Comments

Body mass index is based on reported height and weight. Estimates are age-adjusted to the 2000 U.S. standard population using three age groups: 18-44, 45-64, and 65 and over.

Nonrespondents and “Don’t Know” responses were excluded from the analysis.

Measure ID

MEPS_11, 70201053

Measure Title

Adults with obesity who do not now spend half an hour or more in moderate or vigorous physical activity at least five times a week

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, ethnicity, family income, education, employment status, health insurance, Medicaid/CHIP, residence location, language spoken at home, perceived health status, activity limitations, number of chronic conditions, U.S. born.

Data Source

AHRQ, CFACT, MEPS

Denominator

U.S. civilian noninstitutionalized population age 18 and over with a body mass index (BMI) of 30 or greater, excluding pregnant female

Numerator

Subset of the Denominator who did not spend half an hour or more in moderate or vigorous physical activity at least five times a week

Comments

Body mass index is based on reported height and weight. Estimates are age-adjusted to the 2000 U.S. standard population using three age groups: 18-44, 45-64, and 65 and over.

Measure ID

MEPS_12, 70201061

Measure Title

Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, ethnicity, family income, health insurance, Medicaid/CHIP, residence location, Language spoken at home, Perceived health status, CSHCN(children with special health care needs), U.S.born

Data Source

AHRQ, CFACT, MEPS

Denominator

U.S. civilian noninstitutionalized population ages 2-17

Numerator

Subset of the Denominator for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should pursue

Comments

Estimates exclude nonrespondents to the question: “Has a doctor or other health provider ever given advice about amount and kind of exercise, sports, or physically active hobbies you should have?” “Don’t Know” responses were also excluded.

Measure ID

MEPS_13, 70201081

Measure Title

Children ages 2-17 for whom a health provider gave advice within the past 2 years about eating healthy

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, ethnicity, family income, health insurance, Medicaid/CHIP, residence location, Language spoken at home, Perceived health status, CSHCN(children with special health care needs), U.S.born

Data Source

AHRQ, CFACT, MEPS

Denominator

U.S. civilian noninstitutionalized population ages 2-17

Numerator

Subset of the Denominator for whom a health provider gave advice within the past 2 years about healthy eating

Comments

Estimates exclude nonrespondents and “Don’t Know” responses.

Measure ID

MEPS_14, 70201071

Measure Title

Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: Age, gender, race, ethnicity, family income, education, employment status, health insurance, Medicaid/CHIP, residence location, language spoken at home, perceived health status, activity limitations, number of chronic conditions, U.S. born.

Data Source

AHRQ, CFACT, MEPS

Denominator

U.S. civilian noninstitutionalized population age 18 and over with a body mass index (BMI) of 30 or greater, excluding pregnant female

Numerator

Subset of the Denominator who reported they were advised by a doctor or health professional about restricting foods high in fat and cholesterol

Comments

Body mass index is based on reported height and weight. Estimates are age-adjusted to the 2000 U.S. standard population using three age groups: 18-44, 45-64, and 65 and over. Nonrespondents and “Don’t Know” responses were excluded from the analyses.

Measure ID

MEPS_13, 70201081

Measure Title

Children ages 2-17 for whom a health provider gave advice within the past 2 years about eating healthy

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, ethnicity, family income, health insurance, Medicaid/CHIP, residence location, Language spoken at home, Perceived health status, CSHCN(children with special health care needs), U.S.born

Data Source

AHRQ, CFACT, MEPS

Denominator

U.S. civilian noninstitutionalized population ages 2-17

Numerator

Subset of the Denominator for whom a health provider gave advice within the past 2 years about healthy eating

Comments

Estimates exclude nonrespondents and “Don’t Know” responses.

7.5. Clinical Preventive Services

7.5.1. Adult Preventive Care

Measure ID

NHIS_1, 70501011

Measure Title

Women ages 50-74 who received a mammogram in the last 2 years

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, States

Years Available: State: 2000-2010; National: 2000- 2015

Population Subgroups: Activity limitation, age, education, health insurance, income, race/ethnicity, geographic location (residence)

Data Source

National: Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

State: CDC, Behavioral Risk Factor Surveillance System (BRFSS)

Denominator

Number of women ages 50-74

Numerator

Subset of Denominator: who report receiving a mammogram within the last 2 years

Comments

National data is referred to as measure C-17 in Healthy People 2020 documentation. Estimates are age adjusted to the 2000 U.S. standard population using two age groups: 50-64 and 50-74.

Measure ID

NPCR_1, 70501012

Measure Title

Breast cancer diagnosed at advanced stage in women age 40 and over

Measure Source

Centers for Disease Control and Prevention (CDC), National Program of Cancer Registries (NPCR) and the National Cancer Institute (NCI) Surveillance, Epidemiology, and End Results Program (SEER), United States Cancer Statistics

Table Descriptions

Geographic Representation: National, States

Years Available: States - 2004 to 2014

National - 2000 to 2014

Population Subgroups: Age, race, ethnicity

Data Source

CDC, NPCR, NCI SEER, and United States Cancer Statistics

Denominator

Women age 40 and over

Numerator

Subset of the Denominator with new diagnosis of advanced stage invasive breast cancer; advanced stage is defined as regional, distant or local stage, with a tumor > 2 cm

Comments

Advanced stage for this table refers to regional (spread to regional lymph nodes) and distant (cancer has metastasized) Surveillance, Epidemiology, and End Results (SEER) summary stage.

Historically, cancer stage has been collected using three different staging systems, each with a different purpose, dataset, and rules. The American Joint Committee on Cancer (AJCC), in collaboration with North American standard setters, developed a unified dataset that combines and standardizes the information needed to assign stage in the AJCC (Tumor, Node, Metastasis, or TNM), SEER (Extent of Disease, [EOD]), and Summary Stage (SS) 1977 and 2000 systems and to derive the TNM stage group, EOD, and SS applicable to each cancer site beginning with cancers diagnosed in 2004.

The 2005 data were adjusted for areas affected by Hurricanes Katrina and Rita. Hurricanes Katrina and Rita had a huge impact on the populations within the Gulf Coast region for the second half of 2005. Katrina also significantly affected the Louisiana Cancer Registry's ability to report data for that time period. In an effort to provide the most accurate and complete data and statistics possible, the NPCR and SEER programs made several changes for the releases of data and statistics for 2005.

Measure ID

NHIS_2, 70501021

Measure Title

Women ages 21-65 who received a Pap smear in the last 3 years

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, States

Years Available: State: 2000-2010; National: 2000- 2015

Population Subgroups: Activity limitation, age, education, health insurance, income, race/ethnicity, geographic location (residence)

Data Sources

National: Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

State: CDC, Behavioral Risk Factor Surveillance System (BRFSS)

Denominator

U.S. female civilian noninstitutionalized population ages 21-65

Numerator

Subset of Denominator: women who have not had a hysterectomy and who report receiving a Pap smear within the last 3 years

Comments

This measure is referred to as measure C-15 in Healthy People 2020 documentation. Estimates are age adjusted to the 2000 U.S. standard population using three age groups: 21-34, 35-44, and 45-65.

Measure ID

NPCR_3, 70501022

Measure Title

Cervical cancer diagnosed at advanced stage per 100,000 women age 20 and over

Measure Source

Centers for Disease Control and Prevention (CDC), National Program of Cancer Registries (NPCR) and the National Cancer Institute (NCI) Surveillance, Epidemiology, and End Results Program (SEER), United States Cancer Statistics

Table Descriptions

Geographic Representation: National, States

Years Available: State - 2004 to 2014

National - 2000 to 2014

Population Subgroups: Activity limitation, age, education, health insurance, income, race/ethnicity, geographic location (residence)

Data Source

CDC, NPCR, NCI SEER, United States Cancer Statistics

Denominator

Number of women age 20 and over

Numerator

Subset of Denominator with a new invasive cervical cancer diagnosed in the survey years

Comments

Invasive cervical cancer is defined as cancer that has spread from the surface of the cervix to tissue deeper in the cervix or to other parts of the body Estimates include all invasive tumors

National estimates are age-adjusted to the 2000 US standard population (19 age groups - Census P25-1130) State estimates are age-adjusted to the 2000 US standard million population by 5-year age groups.

Historically, cancer stage has been collected using three different staging systems having three different purposes, datasets, and rules. The American Joint Committee on Cancer (AJCC), in collaboration with North American standard setters, has developed a unified dataset that combines and standardizes the information needed to assign stage in the AJCC (Tumor, Node,

Metastasis, [TNM]), SEER (Extent of Disease, [EOD]), and Summary Stage (SS) 1977 and 2000 systems, and to derive the TNM stage group, EOD, and SS applicable to each cancer site beginning with cancers diagnosed in 2004.

The 2005 data were adjusted for areas affected by Hurricanes Katrina and Rita. Hurricanes Katrina and Rita had a huge impact on the populations within the Gulf Coast region for the second half of 2005. Katrina also significantly affected the Louisiana Cancer Registry's ability to report data for that time period. In an effort to provide the most accurate and complete data and statistics possible, the NPCR and SEER programs made several changes for the releases of data and statistics for 2005.

Measure ID

NHIS_3, 70501031

Measure Title

Adults ages 50-75 who received any type of colorectal cancer screening

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, States

Years Available: National: 2000 - 2015; State: 2001-2009

Population Subgroups: Activity limitation, age, education, health insurance, income, race/ethnicity, geographic location (residence)

Data Sources

National: Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

State: CDC, Behavioral Risk Factor Surveillance System (BRFSS)

Denominator

U.S. civilian noninstitutionalized population ages 50 to 75 years

Numerator

Number of persons aged 50 to 75 years who have had a blood stool test in the past year, sigmoidoscopy in the past 5 years and blood stool test in the past 3 years, or a colonoscopy in the past 10 years

Comments

This measure is referred to as measure C-16 in Healthy People 2020 documentation. Estimates are age adjusted to the 2000 U.S. standard population using two age groups: 50-64, 65-75.

Measure ID

NPCR_2, 70501032

Measure Title

Colorectal cancer diagnosed at advanced stage per 100,000 adults age 50 and over

Measure Source

Centers for Disease Control and Prevention (CDC) National Program of Cancer Registries (NPCR) and the National Cancer Institute (NCI) Surveillance, Epidemiology, and End Results Program (SEER), United States Cancer Statistics

Table Descriptions

Geographic Representation: National, States

Years Available: State - 2004 to 2014

National - 2000 to 2014

Population Subgroups: Activity limitation, age, education, health insurance, income, race/ethnicity, geographic location (residence)

Data Sources

CDC, NPCR, NCI SEER, United States Cancer Statistics

Denominator

U.S. population age 50 and over

Numerator

Subset of Denominator with new colorectal cancers diagnosed as regional or distant staged cancers in the survey years

Comments

All rates are age-adjusted to the 2000 standard US population by 5-year age groups, except where indicated. State estimates are per 100,000 population, age 50 and over, and are age-adjusted to the 2000 US standard million population by 5-year age groups.

The 2005 data were adjusted for areas affected by Hurricanes Katrina and Rita. Hurricanes Katrina and Rita had a huge impact on the populations within the Gulf Coast region for the second half of 2005. Katrina also significantly affected the Louisiana Cancer Registry's ability to report data for that time period. In an effort to provide the most accurate and complete data and statistics possible, the NPCR and SEER programs made several changes for the releases of data and statistics for 2005.

Advanced stage refers to tumors diagnosed at regional or distant stage. Regional stage is defined as a neoplasm that has extended beyond the limits of the organ of origin, either directly into surrounding organs or tissues or into regional lymph nodes. Distant stage is defined as a neoplasm that has spread to parts of the body remote from the primary tumor, either by direct extension or by discontinuous metastasis.

Cancer stage historically has been collected using three different staging systems having three different purposes, datasets, and rules. The American Joint Committee on Cancer (AJCC), in collaboration with North American standard setters, has developed a unified dataset that combines and standardizes the information needed to assign stage in the AJCC (Tumor, Node, Metastasis, [TNM]), SEER (Extent of Disease [EOD]), and Summary Stage (SS) 1977 and 2000 systems and to derive the TNM stage group, EOD, and SS applicable to each cancer site beginning with cancers diagnosed in 2004.

Measure ID

NHIS_4, 70501041

Measure Title

Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high

Measure Source

Healthy People 2020

Table Description

Geographic Representation: National

Years Available: 1998 - 2014

Population Subgroups: Activity limitation, age, education, health insurance, income, race/ethnicity, geographic location (residence)

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS).

Denominator

U.S. adult population age 18 and over

Numerator

Subset of the Denominator who had their blood pressure measured in the last 2 years and can state whether their blood pressure was normal or high

Comments

This measure is referred to as measure HDS-4 in Healthy People 2020 documentation. Estimates are age adjusted to the 2000 U.S. standard population. Age data and health insurance data for the population age 65 and over are unadjusted.

Measure ID

NHIS_5, 70501042

Measure Title

Adults who received a blood cholesterol measurement in the last 5 years

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, States

Years Available: State: 2001-2009

National: 1998 - 2014

Population Subgroups: Activity limitation, age, education, health insurance, income, race/ethnicity, geographic location (residence)

Data Source

National: Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

State: CDC, Behavioral Risk Factor Surveillance System (BRFSS)

Denominator

U.S. adult population age 18 and over

Numerator

Subset of the Denominator who have had their cholesterol checked within the previous 5 years

Comments

Data are age adjusted to the 2000 U.S. standard population. Age-adjusted rates are weighted sums of age-specific rates. This measure is referred to as measure HDS-6 in Healthy People 2020 documentation.

Measure ID

NHIS_8, 70501061

Measure Title

High-risk adults ages 18-64 who received an influenza vaccination in the last 12 months

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, States

Years Available: State: 2001-2010

National: 2009-2010 - 2014-2015

Population Subgroups: Activity limitation, age, education, health insurance, income, race, ethnicity, location of residence, sex

Data Source

National

National: Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

State: CDC, Behavioral Risk Factor Surveillance System (BRFSS)

Denominator

U.S. civilian noninstitutionalized population ages 18-64 who have a high-risk condition

Numerator

Subset of the Denominator who report receiving an influenza vaccination in the past 12 months

Comments

This measure is referred to as measure IID-12.6 in Healthy People 2020 documentation.

High-risk conditions include diabetes, heart disease, lung disease, kidney disease, liver disease, and cancer. Not all high-risk conditions for complications of influenza can be ascertained by the NHIS (e.g., immunocompromised states), and sample sizes may be too small to estimate. Data are age adjusted to the 2000 U.S. standard population.

Measure ID

NHIS_10, 70501062

Measure Title

Adults age 18 and over who received an influenza vaccination in the last 12 months

Measure Source

Healthy People 2020

Table Description

Geographic Representation: National

Years Available: 2009-2015

Population Subgroups:

Activity limitation, age, education, health insurance, income, race, ethnicity, location of residence, sex

Data Source

National: Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

Denominator

U.S. civilian noninstitutionalized population of adults age 18 and over

Numerator

Number of adults age 18 and over who report receiving an influenza vaccination in the past 12 months

Comments

This measure is referred to as measure IID-12.12 in Healthy People 2020 documentation.

Data are age adjusted to the 2000 U.S. standard population.

Measure ID

NHIS_9, 70501071

Measure Title

Adults age 65 and over who received an influenza vaccination in the last 12 months

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, States

Years Available: State: 2001-2010

National: 2005-2015

Population Subgroups: Activity limitation, age, education, health insurance, income, race, ethnicity, location of residence, sex

Data Source

National: Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

State: CDC, Behavioral Risk Factor Surveillance System (BRFSS)

Denominator

U.S. civilian noninstitutionalized population of adults age 65 and over

Numerator

Number of adults age 65 and over who report receiving an influenza vaccination in the past 12 months

Comments

This measure is referred to as measure IID-12.7 in Healthy People 2020 documentation.

Data are age adjusted to the 2000 U.S. standard population.

Measure ID

HCUP_37, 70501081

Measure Title

Hospital admissions for immunization-preventable influenza per 100,000 population, age 65 and over

Measure Source

Healthy People 2010

Table Descriptions

Geographic Representation: National, State

Years Available: National - 2000-2015; State - 2011-2015

Population Subgroups: Age, sex, location of residence, median income of patient's ZIP code, region

Data Sources

National: Agency for Healthcare Research and Quality (AHRQ), Center for Delivery, Organization, and Markets (CDOM), Healthcare Cost and Utilization Project (HCUP), Nationwide Inpatient Sample (NIS), State Inpatient Databases (SID) weighted to provide national estimates using the same methodology as the NIS prior to 2012

State: AHRQ, CDOM, HCUP, State Inpatient Databases (SID)

Denominator

U.S. resident population age 65 and over

Numerator

Subset of the Denominator with any diagnosis of immunization-preventable influenza, excluding transfers from other institutions

Comments

This measure is referred to as measure 1-9c in Healthy People 2010 documentation.

A sensitivity analysis performed using the 2014 SID determined that the best approach to developing 2015 rates based solely on ICD-9-CM data was to use the first nine months of HCUP data (January 1 through September 30, 2015). On October 1, 2015 (the start of fiscal year 2016), the U.S. transitioned to using ICD-10-CM. Numerator counts for the 2015 rates included only the first nine months of HCUP data. The population count was multiplied by 0.75 to adjust for the revised Numerator count. A copy of the sensitivity analysis is available on the HCUP User

Support website (HCUP-US) at https://www.hcup-us.ahrq.gov/datainnovations/icd10_resources.jsp.

Rates are adjusted by age and gender using the total U.S. resident population for 2010 as the standard population; when reporting is by age, the adjustment is by gender only; when reporting is by gender, the adjustment is by age only.

The HCUP State Inpatient Databases (SID) include a powerful set of hospital databases from HCUP Partner organizations in 47 States and the District of Columbia. Together, the SID encompasses about 97 percent of all U.S. community hospital discharges. SID contains a core set of clinical and nonclinical information on all patients, regardless of payer, including people covered by Medicare, Medicaid, and private insurance, as well as uninsured people. In addition to the core set of uniform data elements common to all SID, some databases within SID include other elements, such as the patient's race. The SID are used to create the HCUP National (Nationwide) Inpatient Sample.

For national QI estimates prior to 2012, the HCUP Nationwide Inpatient Sample (NIS) was used to calculate national QI estimates for all level of reporting except by race/ethnicity. The NIS was not used for reporting QI estimates by race/ethnicity because the availability of race/ethnicity information varied across States and hospitals within States. In addition, the 20 percent sample of the hospitals in the NIS did not provide enough statistical power to detect differences in QI estimates between whites and the other specific racial groups. To facilitate analyses by race/ethnicity, a separate nationally weighted analysis file was constructed from the SID and hospitals with good reporting of race/ethnicity using a sampling and weighting strategy similar to the NIS.

For national QI estimates for data years 2012 forward, the HCUP National Inpatient Sample (NIS) was not used because the database had been redesigned into a sample of discharges (instead of hospitals) with a revised definition for the target universe that excluded acute long-term care facilities. For consistent QI estimates before and after data year 2012, nationally weighted analysis files were constructed from the SID using a sampling and weighting strategy similar to the 2000-2011 NIS. In 2012, two analysis files were constructed, one for national estimates not reported by race/ethnicity and a second for reporting by race/ethnicity. Beginning in 2013, only one weighted analysis file was created and used for all national estimates.

For more information on the sampling approach and included States by data year, see the HCUP Methods Series Report on Methods Applying AHRQ Quality Indicators to HCUP Data (<https://www.hcup-us.ahrq.gov/reports/methods/methods.jsp>).

Measure ID

NHIS_11, 70501091

Measure Title

High-risk adults ages 18-64 at who ever received a pneumococcal vaccination

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, States

Years Available: State: 2001-2010; National: 2000-2015

Population Subgroups:

Activity limitation, age, education, health insurance, income, race, ethnicity, location of residence, sex

Data Sources

National: Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

State: CDC, Behavioral Risk Factor Surveillance System (BRFSS)

Denominator

U.S. civilian noninstitutionalized population of adults ages 18-64 with a high-risk condition

Numerator

Subset of the Denominator who report ever receiving a pneumococcal vaccination

Comments

This measure is referred to as measure IID-13.2 in Healthy People 2020 documentation.

Measure ID

NHIS_12, 70501101

Measure Title

Adults age 65 and over who ever received a pneumococcal vaccination

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, States

Years Available: State: 2001-2010; National: 2000-2015

Population Subgroups: Activity limitation, age, education, health insurance, income, race, ethnicity, location of residence, sex

Data Sources

National: Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

State: CDC, Behavioral Risk Factor Surveillance System (BRFSS)

Denominator

U.S. civilian noninstitutionalized population of adults age 65 and over

Numerator

Subset of the Denominator who report ever receiving a pneumococcal vaccination

Comments

This measure is referred to as measure IID-13.1 in Healthy People 2020 documentation.

Data are age adjusted to the 2000 U.S. standard population.

Measure ID

QIO_15, 70501111

Measure Title

Hospital patients who received influenza vaccination

Measure Source

Centers for Medicare & Medicaid Services (CMS), Medicare Quality Improvement Organization Program (QIO).

Table Descriptions

Geographic Representation: National, State

Years Available: 2012 to 2015

Population Subgroups: Age, sex, race/ethnicity

Data Source

CMS Clinical Data Warehouse (CDW) for Hospital Inpatient Quality Reporting (HIQR) Program

Denominator

Hospital patients

Numerator

Subset of the Denominator who were screened for influenza vaccine status if indicated.

Comments

Estimates are calculated using hospital-level scores.

Measure ID

QIO_13 or Imm-1, 70501112

Measure Title

Hospital patients who received pneumococcal immunization

Measure Source

The Centers for Medicare & Medicaid Services (CMS) Hospital Inpatient Quality Reporting (HIQR) Program

Table Description

Geographic Representation: National, State

Years Available: 2012 to 2015

Population Subgroups: Age, sex, race/ethnicity

Data Source

CMS Clinical Data Warehouse (CDW) for Hospital Inpatient Quality Reporting (HIQR) Program

Denominator

Discharged hospital patients 65 years of age and older, and 5 through 64 years of age who have a high risk condition.

Numerator

Subset of the Denominator who were screened for pneumococcal vaccine status and received pneumococcal vaccine prior to discharge, if indicated.

Comments

Estimates are calculated using hospital-level scores. Estimates are calculated using hospital-level scores. Further information on this and other immunization measures is available at

<http://www.cms.hhs.gov/HospitalQualityInits/> and <https://www.qualitynet.org/dcs/ContentServer?c=Page&pagename=QnetPublic%2FPage%2FQnetTier2&cid=1141662756099>.

Measure ID

MEPS_3c, 70501131

Measure Title

Adults who had a preventive dental service in the calendar year

Measure Source

Consistent with Healthy People 2020 objective OH-8.

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, ethnicity, family income, education, employment status, health insurance, Medicaid/CHIP, residence location, language spoken at home, perceived health status, activity limitations, number of chronic conditions, U.S. born.

Data Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Denominator

U.S. civilian noninstitutionalized population age 18 and over

Numerator

Subset of Denominator who had a dental visit and received any preventive dental service in the calendar year. Preventive dental services include: Cleanings fluoride, sealants, and periodontal recall visit.

Comments

Data on preventive dental service in the calendar year are based on information in the MEPS Dental Event file.

This measure is consistent with but not exactly the same as CDC's Healthy People 2020 Objective OH-8. Data for OH-8 are available at <https://www.healthypeople.gov/2020/topics-objectives/topic/oral-health/objectives>.

Measure ID

MEPS_3d, 70501132

Measure Title

Adults who had a dental visit in the calendar year

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS); Consistent with Healthy People 2020 objective OH-7.

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, ethnicity, family income, education, employment status, health insurance, Medicaid/CHIP, residence location, language spoken at home, perceived health status, activity limitations, number of chronic conditions, U.S. born.

Data Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Denominator

U.S. civilian noninstitutionalized population age 18 and over

Numerator

Subset of Denominator who had a dental visit in the calendar year

Comments

This measure is consistent with but not exactly the same as CDC's Healthy People 2020 Objective OH-7. Data for OH-7 are available at <https://www.healthypeople.gov/2020/topics-objectives/topic/oral-health/objectives>

7.5.2. Childhood Immunization

Measure ID

NIS_4, 70502011

Measure Title

Children ages 19-35 months who received all recommended vaccines

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, State

Years Available: 2009-2014

Population Subgroups: Race, ethnicity, sex, income

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS) National Center for Immunization and Respiratory Diseases (NCIRD), National Immunization Survey (NIS)

Denominator

U.S. civilian noninstitutionalized population of children ages 19-35 months

Numerator

Number of children ages 19-35 months receiving at least 4 doses of diphtheria-tetanus-acellular pertussis (DTaP) vaccine; at least 3 doses of polio vaccine; at least 1 dose of measles-mumps-rubella (MMR) vaccine; at least 3 doses or at least 4 doses of *Haemophilus influenzae* B (Hib) vaccine, depending on product type received; at least 3 doses of hepatitis B vaccine; at least 1 dose of varicella vaccine; and at least 4 doses of pneumococcal conjugate vaccine (PCV).

Comments

This is a composite measure; it is referred to as measure IID-8 in Healthy People 2020 documentation. The vaccines included in this measure are based on the corresponding Healthy People 2020 objective. These include at least 4 doses of DTaP vaccine; at least 3 doses of polio vaccine; at least 1 dose of MMR vaccine; at least 3 or at least 4 doses of Hib vaccine, depending on type of vaccine received; at least 3 doses of hepatitis B vaccine; at least 1 dose of varicella vaccine; and at least 4 doses of PCV. Vaccines added to the list of recommended vaccines for children up to 35 months of age but not added to this measure include influenza vaccine (added in 2004) and hepatitis A vaccine and rotavirus vaccine (both added in 2006).

Measure ID

NIS_5, 70502021

Measure Title

Children ages 19-35 months who received 4 doses of diphtheria-tetanus-pertussis vaccine

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, State

Years Available: National: 2001-2015; State: 2000-2015

Population Subgroups: Race, ethnicity, sex, income

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Center for Immunization and Respiratory Diseases (NCIRD), National Immunization Survey (NIS)

Denominator

U.S. civilian noninstitutionalized population of children ages 19-35 months

Numerator

Subset of the Denominator receiving at least 4 or more doses of the combination of diphtheria, tetanus, and acellular pertussis antigens

Comments

This measure is referred to as measure IID-7.1 in Healthy People 2020 documentation. This baseline measure tracks the number of children ages 19-35 months receiving 4 or more doses of the combination of diphtheria, tetanus, and acellular pertussis antigens, as well as those children who received the combination of diphtheria, tetanus, and pertussis antigens.

Statistical adjustments are made to minimize bias due to (1) lower coverage among children living in households without telephones, (2) discrepancies between vaccinations reported by household compared with immunization providers, and (3) differences in racial/ethnic population distribution in the sample compared with racial/ethnic population distribution at birth.

Measure ID

NIS_6, 70502022

Measure Title

Children ages 19-35 months who received 3 or more doses of polio vaccine

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, State

Years Available: National: 2001-2015; State: 2000-2015

Population Subgroups: Race, ethnicity, sex, income

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Center for Immunization and Respiratory Diseases (NCIRD), National Immunization Survey (NIS)

Denominator

U.S. civilian noninstitutionalized population of children ages 19-35 months

Numerator

Subset of the Denominator receiving at least 3 doses of the polio antigen

Comments

This measure is referred to as measure IID-7.5 in Healthy People 2020 documentation.

Measure ID

NIS_7, 70502023

Measure Title

Children ages 19-35 months who received at least 1 dose of measles-mumps-rubella vaccine

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, State

Years Available: National: 2001-2015; State: 2000-2015

Population Subgroups: Race, ethnicity, sex, income

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Center for Immunization and Respiratory Diseases (NCIRD), National Immunization Survey (NIS)

Denominator

U.S. civilian noninstitutionalized population of children ages 19-35 months

Numerator

Subset of the Denominator receiving at least 1 dose of the combination of measles, mumps, and rubella antigens

Comments

This measure is referred to as measure IID-7.4 in Healthy People 2020 documentation.

Measure ID

NIS_8, 70502025

Measure Title

Children ages 19-35 months who received 3 doses of hepatitis B vaccine

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, State

Years Available: National: 2001-2015; State: 2000-2015

Population Subgroups: Race, ethnicity, sex, income

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Center for Immunization and Respiratory Diseases (NCIRD), National Immunization Survey (NIS)

Denominator

U.S. civilian noninstitutionalized population of children ages 19-35 months

Numerator

Subset of Denominator receiving at least 3 doses of the hepatitis B antigen

Comments

This measure is referred to as measure IID-7.3 in Healthy People 2020 documentation.

Measure ID

NIS_9, 70502026

Measure Title

Children ages 19-35 months who received 1 dose of varicella vaccine

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, State

Years Available: National: 2001-2015; State: 2000-2015

Population Subgroups: Race, ethnicity, sex, income

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Center for Immunization and Respiratory Diseases (NCIRD), National Immunization Survey (NIS)

Denominator

U.S. civilian noninstitutionalized population of children ages 19-35 months

Numerator

Subset of Denominator receiving at least 1 dose of the varicella antigen

Comments

This measure is referred to as measure IID-7.6 in Healthy People 2020 documentation.

Measure ID

NIS_10, 70502031, 70502033

Measure Title

Adolescents ages 13-15 years who received at least 1 dose of meningococcal conjugate vaccine

Adolescents ages 16-17 years who received at least 1 dose of meningococcal conjugate vaccine

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, State

Years Available: National: 2008-2015; State: 2008-2015

Population Subgroups: Race, ethnicity, sex, income

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Center for Immunization and Respiratory Diseases (NCIRD), National Immunization Survey (NIS)

Denominator

U.S. civilian noninstitutionalized population ages 13-15 and 16-17 years, as appropriate

Numerator

Subset of the Denominator who received at least 1 dose of meningococcal conjugate vaccine

Comments

This measure is referred to as measure IID-11.3 in Healthy People 2020.

Measure ID

NIS_12, 70502041, 70502042

Measure Title

Adolescents females ages 13-15 who received at least three doses of human papillomavirus vaccine, either quadrivalent or bivalent

Adolescents females ages 16-17 who received at least three doses of human papillomavirus vaccine, either quadrivalent or bivalent

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, State

Years Available: National: 2008-2015; State: 2008-2015

Population Subgroups: Race, ethnicity, sex, income

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Center for Immunization and Respiratory Diseases (NCIRD), National Immunization Survey (NIS)

Denominator

U.S. civilian noninstitutionalized population of females ages 13-15 and 16-17 years, as appropriate

Numerator

Subset of the Denominator who received 3 or more doses of human papillomavirus vaccine

Comments

This measure is referred to as measure IID-11.4 in Healthy People 2020 documentation.

Measure ID

NIS_13, 70502043, 70502044

Measure Title

Adolescents males ages 13-15 who received at least three doses of human papillomavirus vaccine, either quadrivalent or bivalent

Adolescents males ages 16-17 who received at least three doses of human papillomavirus vaccine, either quadrivalent or bivalent

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, State

Years Available: National: 2012-2015

State: 2012-2015

Population Subgroups: Race, ethnicity, sex, income

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Center for Immunization and Respiratory Diseases (NCIRD), National Immunization Survey (NIS)

Denominator

U.S. civilian noninstitutionalized population of males ages 13-15 and 16-17 years, as appropriate

Numerator

Subset of the Denominator who received 3 or more doses of human papillomavirus vaccine

Comments

This measure is referred to as measure IID-11.4 in Healthy People 2020 documentation.

Measure ID

NIS_11, 70502045, 70502046

Measure Title

Adolescents ages 13-15 who received at least three doses of human papillomavirus vaccine, either quadrivalent or bivalent

Adolescents ages 16-17 who received at least three doses of human papillomavirus vaccine, either quadrivalent or bivalent

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, State

Years Available: National: 2012-2015

State: 2012-2015

Population Subgroups: Race, ethnicity, sex, income

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Center for Immunization and Respiratory Diseases (NCIRD), National Immunization Survey (NIS)

Denominator

U.S. civilian noninstitutionalized population ages 13-15 and 16-17 years, as appropriate

Numerator

Subset of the Denominator who received 3 or more doses of human papillomavirus vaccine

Comments

This measure is referred to as measure IID-11.4 in Healthy People 2020 documentations

Measure ID

NIS_14, 70502051, 70502052

Measure Title

Adolescents ages 13-15 who received at least 1 dose of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years

Adolescents ages 16-17 who received at least 1 dose of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, State

Years Available: National: 2008-2015

State: 2008-2015

Population Subgroups: Race, ethnicity, sex, income, geographic location

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Center for Immunization and Respiratory Diseases (NCIRD), National Immunization Survey (NIS)

Denominator

U.S. civilian noninstitutionalized population ages 13-15 and 16-17 years, as appropriate

Numerator

Subset of the Denominator who received 1 or more doses of Tdap vaccine

Comments

This measure is referred to as measure IID-11.1 in Healthy People 2020 documentation.

Measure ID

NIS_3, 70502071, 70502072

Measure Title

Adolescents ages 13-15 years who received at least 2 doses of varicella vaccine

Adolescents ages 16-17 years who received at least 2 doses of varicella vaccine

Measure Source

Healthy People 2020

Table Descriptions

Geographic Representation: National, State

Years Available: National: 2008-2015

State: 2008-2015

Population Subgroups: Income, race/ethnicity, sex

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Center for Immunization and Respiratory Diseases (NCIRD), National Immunization Survey (NIS)

Denominator

U.S. civilian noninstitutionalized population of adolescents ages 13-15 and 16-17 years, as appropriate

Numerator

Subset of the Denominator receiving at least 2 doses of varicella vaccine

Comments

This measure is referred to as measure IID-11.2 in Healthy People 2020 documentation.

Measure ID

NHIS_23, 70502061

Measure Title

Children ages 6 months to 17 years who received influenza vaccination

Measure Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

Table Description

Geographic Representation: National

Years Available: 2009-2010 to 2014 - 2015

Population Subgroups: Age, race/ethnicity, health insurance, income, race/ethnicity, sex

Data Source

CDC, NCHS, NHIS

Denominator

Number of children under 17 years

Numerator

Subset of the Denominator who reported they had influenza

Comments

Estimates are not age adjusted.

7.5.3. Other Childhood Preventive Care

Measure ID

MEPS_2, 70503011

Measure Title

Children who had their height and weight measured by a health provider within the past 2 years

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: Age, gender, race, ethnicity, family income, health insurance, Medicaid/CHIP, race, residence location, Language spoken at home, Perceived health status, CSHCN(children with special health care needs), U.S. born

Data Source

AHRQ, CFACT, MEPS

Denominator

U.S. civilian noninstitutionalized population under age 18

Numerator

Subset of the Denominator who had both height and weight measurements taken within the past 2 years by a health provider

Comments

This is a composite measure combining responses to both height and weight measurements.

“Don’t Know” responses to the questions of when the weight and height were measured were excluded.

Measure ID

MEPS_3, 70503021

Measure Title

Children ages 2-17 who had a dental visit in the calendar year

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS); Consistent with Healthy People 2020 objective OH-7.

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, ethnicity, family income, health insurance, Medicaid/CHIP, residence location, language spoken at home, perceived health status, CSHCN (children with special health care needs), U.S. born

Data Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Denominator

U.S. civilian noninstitutionalized population ages 2-17 years

Numerator

Subset of Denominator who had a dental visit in the calendar year.

Comments

The age used to subset the child population for the “children with special health care needs” category is the age at the interview rounds when the questions about special health care needs were asked. For other categories, it is the age at the end of the year.

This measure is consistent with but not exactly the same as CDC’s Healthy People 2020 Objective OH-7. Data for OH-7 are available at <https://www.healthypeople.gov/2020/topics-objectives/topic/oral-health/objectives>.

Measure ID

NHANES_7, 70503022, 70503023, 70503024

Measure Titles

Children ages 5-11 with untreated dental caries

Children ages 12-17 with untreated dental caries

Children ages 5-17 with untreated dental caries

Measure Source

Healthy People 2020

Table Description

Geographic Representation: National

Years Available: 1999-2002 to 2011-2014

Population Subgroups: Sex, family income, ethnicity

Data Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health and Nutrition Examination Survey (NHANES)

Denominator

Children ages 5-11, 12-17, 5-17 years, as appropriate.

Numerator

Subset of Denominator with a clinical diagnosis of dental decay in at least one tooth that has not been restored.

Comments

This measure is referred to as measure OH-2 in Healthy People 2020 documentation. The age ranges have been modified from the original specification.

Measure ID

MEPS_3b, 70503025

Measure Title

Children ages 2-17 who had a preventive dental service in the calendar year

Measure Source

Consistent with Healthy People 2020 objective OH-8.

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, ethnicity, family income, health insurance, Medicaid/CHIP, residence location, language spoken at home, perceived health status, CSHCN (children with special health care needs), U.S. born

Data Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Denominator

U.S. civilian noninstitutionalized population ages 2-17 years

Numerator

Subset of Denominator who had a dental visit and received any preventive dental service in the calendar year. Preventive dental services include: Cleanings, fluoride, sealants, and periodontal recall visit.

Comments

Data on preventive dental service in the calendar year are based on information in the MEPS Dental Event file.

The age used to subset the child population for the “children with special health care needs” category is the age at the interview rounds when the questions about special health care needs were asked. For other categories, it is the age at the end of the year.

This measure is consistent with but not exactly the same as CDC’s Healthy People 2020 objective OH-8. Data for OH-8 are available at <https://www.healthypeople.gov/2020/topics-objectives/topic/oral-health/objectives>.

Measure ID

MEPS_4, 70503032

Measure Title

Children ages 3-5 who ever had their vision checked by a health provider

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, ethnicity, family income, health insurance, Medicaid/CHIP, race, residence location, Language spoken at home, Perceived Health status, CSHCN(children with special health care needs), U.S. born

Data Source

AHRQ, CFACT, MEPS

Denominator

U.S. civilian noninstitutionalized population ages 3-5 years

Numerator

Subset of the Denominator whose vision had ever been checked by a doctor or other health provider

Comments

Estimates exclude nonrespondents as well as “Don’t Know” responses.

Measure ID

MEPS_5, 70503041

Measure Title

Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: Age, Gender, Race, Ethnicity, family income, health insurance, Medicaid/CHIP, race, residence location, Language spoken at home, Perceived Health status, CSHCN(children with special health care needs), U.S. born

Data Source

AHRQ, CFACT, MEPS

Denominator

U.S. civilian noninstitutionalized population under age 18

Numerator

Subset of the Denominator for whom a doctor or other health provider within the past 2 years had given advice about how smoking in the house can be harmful

Comments

Estimates exclude nonrespondents and “Don’t Know” responses.

Measure ID

MEPS_6, 70503042

Measure Title

Children 0-40 lbs. for whom a health provider gave advice in the past 2 years about using child safety seats when riding in a car

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, ethnicity, family income, health insurance, Medicaid/CHIP, race, residence location, Language spoken at home, Perceived Health status, CSHCN(children with special health care needs), U.S. born

Data Source

AHRQ, CFACT, MEPS

Denominator

U.S. civilian noninstitutionalized child population weighing 0-40 lbs.

Numerator

Subgroup of the Denominator for whom a doctor or other health provider had given advice within the past 2 years about using child safety seats

Comments

Estimates exclude nonrespondents and “Don’t Know” responses.

Measure ID

MEPS_7, 70503043

Measure Title

Children 41-80 lbs. for whom a health provider gave advice within the past 2 years about using booster seats when riding in a car

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, ethnicity, family income, health insurance, Medicaid/CHIP, race, residence location, Language spoken at home, Perceived Health status, CSHCN(children with special health care needs), U.S. born

Data Source

AHRQ, CFACT, MEPS

Denominator

U.S. civilian noninstitutionalized child population weighing 41-80 lbs.

Numerator

Subset of the Denominator for whom a doctor or other health provider had given advice in the past 2 years about using booster seats

Comments

Estimates exclude nonrespondents and “Don’t Know” responses.

Measure ID

MEPS_8, 70503044

Measure Title

Children over 80 lbs. for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Table Description

Geographic Representation: National

Years Available: 2002 to 2015

Population Subgroups: age, gender, race, Ethnicity, family income, health insurance, Medicaid/CHIP, race, residence location, Language spoken at home, Perceived Health status, CSHCN(children with special health care needs), U.S. born

Data Source

AHRQ, CFACT, MEPS

Denominator

U.S. civilian noninstitutionalized child population weighing over 80 lbs.

Numerator

Subset of the Denominator for whom a doctor or other health provider had given advice within the past 2 years about using lap and shoulder belts

Comments

Estimates exclude nonrespondents and “Don’t Know” responses.

Measure ID

MEPS_9, 70503045

Measure Title

Children ages 2-17 years for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle

Measure Source

Agency for Healthcare Research and Quality (AHRQ), Center for Financing, Access, and Cost Trends (CFACT), Medical Expenditure Panel Survey (MEPS)

Table Description

Geographic Representation: National

Years Available: 2002 to 2010

Population Subgroups: age, gender, race, ethnicity, family income, health insurance, Medicaid/CHIP, race, residence location, Language spoken at home, Perceived Health status, CSHCN(children with special health care needs), U.S. born

Data Source

AHRQ, CFACT, MEPS

Denominator

U.S. civilian noninstitutionalized population ages 2-17 years

Numerator

Subset of the Denominator for whom a doctor or other health provider had given advice within the past 2 years about using a helmet when riding a bicycle or motorcycle

Comments

Estimates exclude nonrespondents and “Don’t Know” responses.

Measure ID

NHIS_14, 70503051

Measure Title

Children ages 10 - 17 with a wellness checkup in the past 12 months

Measure Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

Measure Source

Healthy People 2020

Table Description

Geographic Representation: National

Years Available: 2009

Population Subgroups: Age, ethnicity, race, sex, income, insurance, location of residence

Data Source

CDC, NCHS, NHIS

Denominator

Children ages 10-17

Numerator

Subset of the Denominator who received a wellness checkup in the past 12 months

Measure ID

NHIS_14, 70503061

Measure Title

Children ages 0 - 17 with a wellness checkup in the past 12 months

Measure Source

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Health Interview Survey (NHIS)

Measure Source

Healthy People 2020

Table Description

Geographic Representation: National

Years Available: 2000 - 2015

Population Subgroups: Age, ethnicity, race, sex, income, insurance, location of residence

Data Source

CDC, NCHS, NHIS

Denominator

Children ages 0 - 17

Numerator

Subset of the Denominator who received a wellness checkup in the past 12 months