

# National Health Interview Survey Early Release Program: Overview and Key Health Indicators Report

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# NHIS Overview

- In-person household interview survey
- Approximately 100,000 persons in 40,000 households surveyed annually
- Covers health care access/utilization, health insurance coverage, health status/limitations, health conditions, health behaviors, sociodemographic information

# What is the NHIS Early Release (ER) Program?

- Analytic reports and preliminary microdata based on the NHIS on an expedited schedule
- Some products available as soon as 9 months before NHIS public use files are released
- Products produced prior to final data editing and final weighting

# NHIS ER Program: Background

- Need for timely release of estimates, following improved timeliness of annual microdata release
- Identified key health indicators
- Determined how to expedite editing and weighting
- Chose to publish on Internet only
- First published April 2001

# NHIS ER Program: Objectives

- Provide ready and timely access to the most recent NHIS key estimates
- Monitor health and health care
- Measure progress toward national public health objectives

# NHIS ER Program: Reports

- Published Sept., Dec., Mar., June:
  - Key health indicators report consisting of 15 indicators
  - Report on health insurance
- Published May/June, Dec.:
  - Report on wireless substitution
- Published as-needed:
  - Reports on special topics

# NHIS ER Program: Other Products

- Made available in Sept., Mar., Dec.:
  - Preliminary quarterly microdata file available via the NCHS Research Data Center
- Published as-needed:
  - Tabulations on special topics

# Key Health Indicators Report: Features

- Within each report, for each indicator:
  - Overall trend since 1997
  - Current estimates by sex and age group
  - Current estimates by race/ethnicity
  - Figures and corresponding data tables, text highlights
- Technical notes and general information

# Key Health Indicators Report: Analytic Uses

- Prevalence estimates from extremely timely data
- Overall trend assessment and by subgroup (by combining reports)
- Identification of disparities in health by age, sex, race/ethnicity
- Comparison to estimates from other sources
- Initial results to guide future analyses

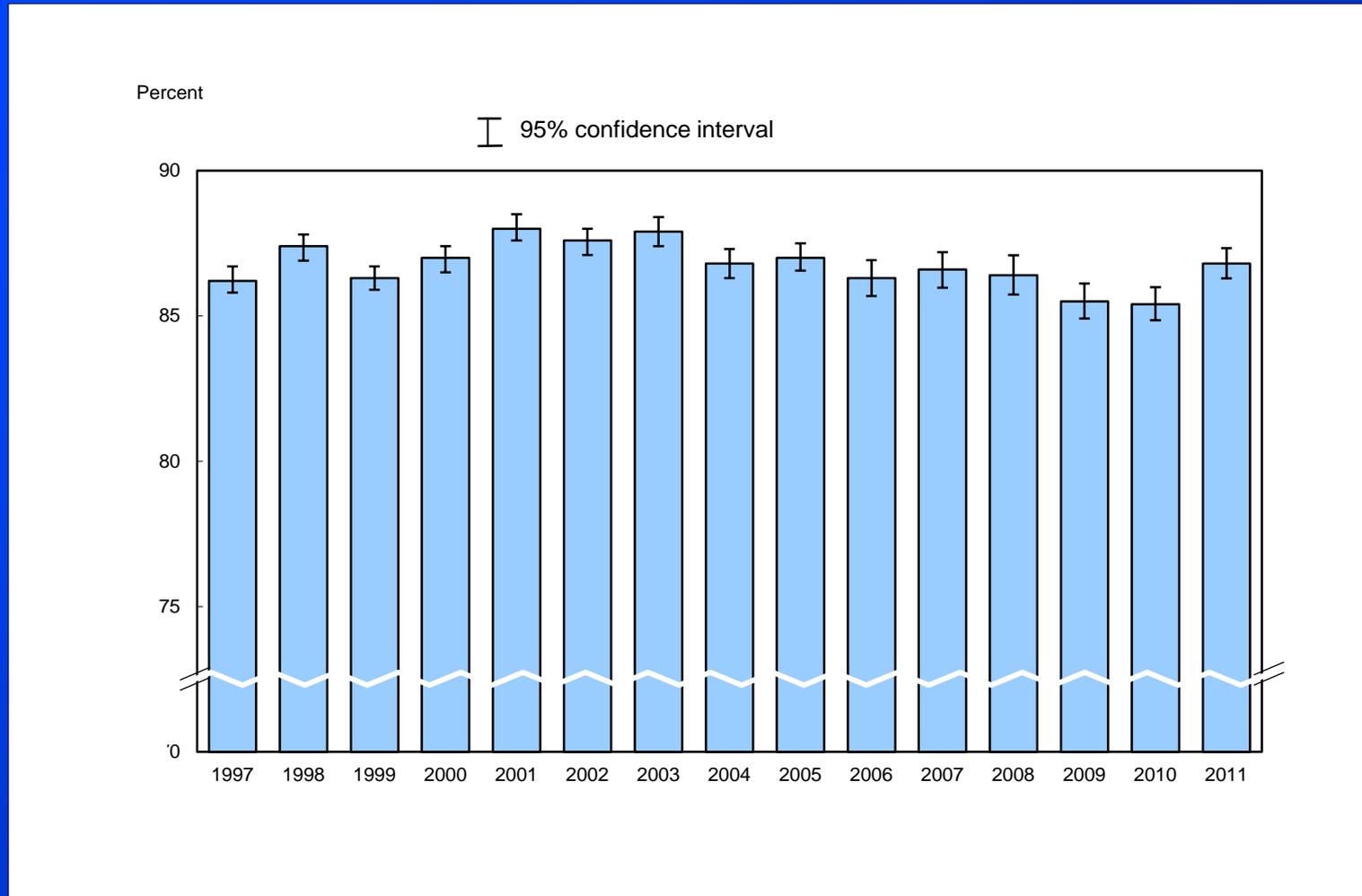
# Key Health Indicators Report: Indicators

1. Health insurance coverage
2. Usual place to go for medical care
3. Obtaining needed medical care
4. Influenza vaccination
5. Pneumococcal vaccination
6. Obesity
7. Leisure-time physical activity
8. Current smoking
9. Alcohol consumption
10. HIV testing
11. General health status
12. Personal care needs
13. Serious psychological distress
14. Diabetes
15. Asthma

# Key Health Indicators Report: Examples

- Usual place to go for medical care
- Influenza vaccination
- Current smoking

# Percentage of persons of all ages with a usual place to go for medical care: United States, 1997–2011



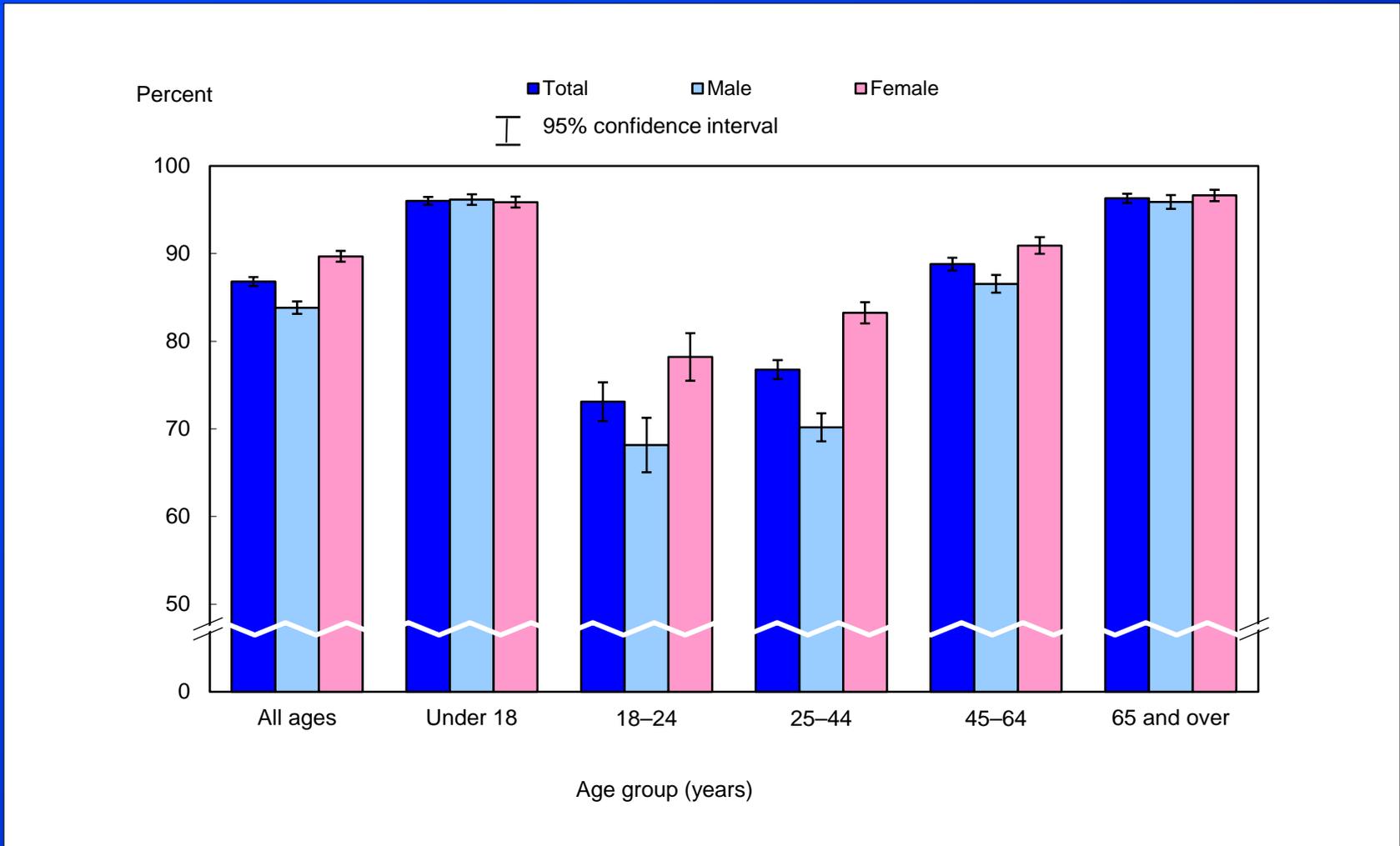
DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2011, combined Sample Adult and Sample Child Core components.

## Percentage of persons of all ages with a usual place to go for medical care: United States, 1997–2011

Year	Crude percent (95% confidence interval)	Age-adjusted percent (95% confidence interval)
1997	86.2 (85.8-86.7)	86.3 (85.9-86.7)
1998	87.4 (86.9-87.8)	87.4 (87.0-87.9)
1999	86.3 (85.9-86.7)	86.4 (86.0-86.8)
2000	87.0 (86.5-87.4)	87.0 (86.6-87.4)
2001	88.0 (87.6-88.5)	88.0 (87.6-88.5)
2002	87.6 (87.1-88.0)	87.6 (87.1-88.0)
2003	87.9 (87.4-88.4)	87.9 (87.4-88.4)
2004	86.8 (86.3-87.3)	86.8 (86.3-87.2)
2005	87.0 (86.56-87.50)	86.9 (86.47-87.41)
2006	86.3 (85.68-86.92)	86.2 (85.56-86.80)
2007	86.6 (85.97-87.19)	86.5 (85.84-87.06)
2008	86.4 (85.73-87.09)	86.2 (85.54-86.88)
2009	85.5 (84.91-86.12)	85.3 (84.65-85.90)
2010	85.4 (84.85-85.99)	85.1 (84.55-85.66)
2011	86.8 (86.29-87.33)	86.5 (85.99-87.04)

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2011, combined Sample Adult and Sample Child Core components.

# Percentage of persons of all ages with a usual place to go for medical care, by age group and sex: United States, 2011



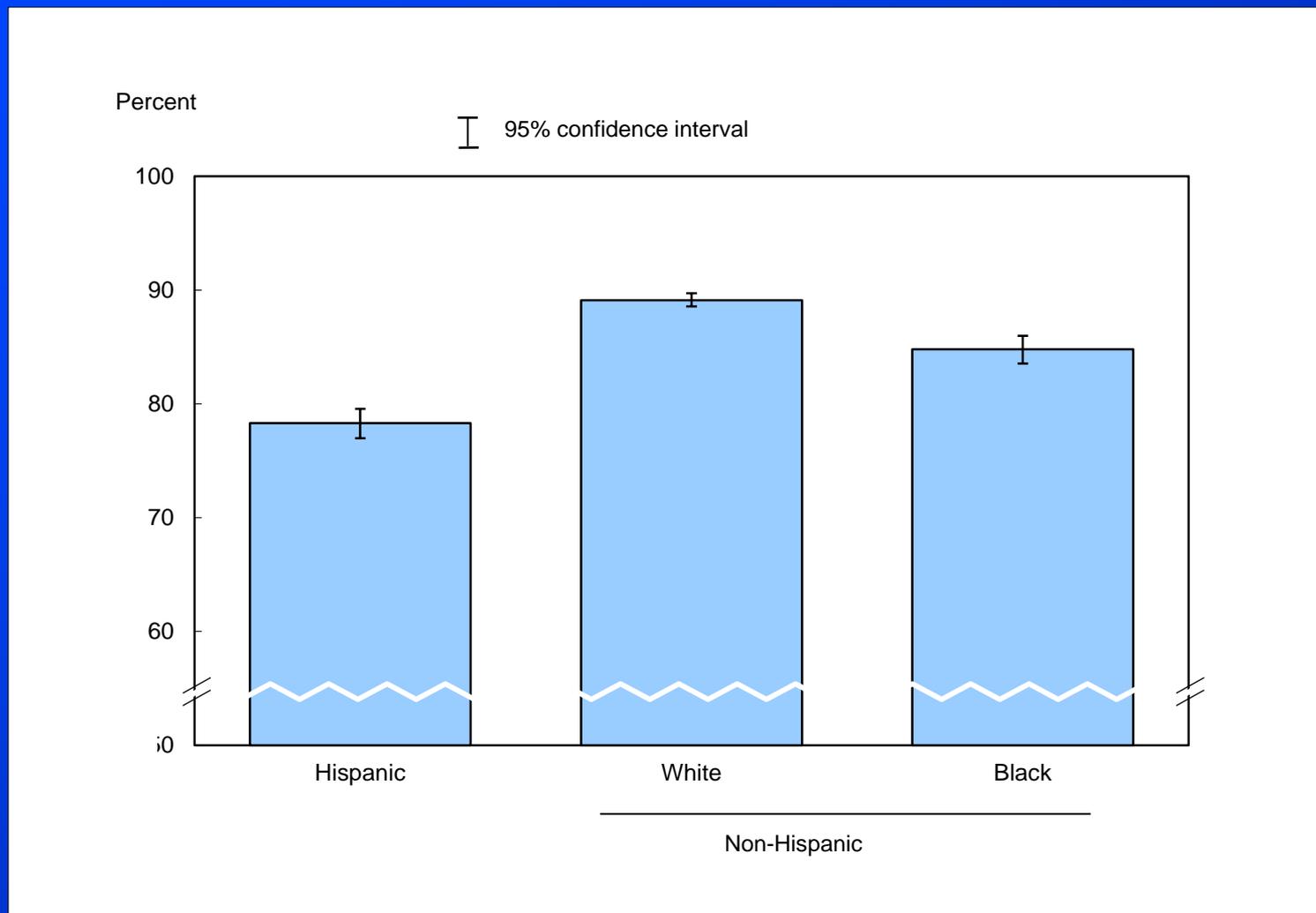
DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2011, combined Sample Adult and Sample Child Core components.

## Percentage of persons of all ages with a usual place to go for medical care, by age group and sex: United States, 2011

<b>Age and sex</b>	<b>Percent</b>	<b>95% confidence interval</b>
Under 18 years, total	96.0	95.55-96.47
Under 18 years, male	96.2	95.55-96.75
Under 18 years, female	95.9	95.25-96.48
18–24 years, total	73.1	70.91-75.30
18–24 years, male	68.2	65.05-71.28
18–24 years, female	78.2	75.49-80.91
25–44 years, total	76.8	75.66-77.84
25–44 years, male	70.2	68.58-71.77
25–44 years, female	83.2	82.03-84.46
45–64 years, total	88.8	88.06-89.52
45–64 years, male	86.5	85.53-87.55
45–64 years, female	90.9	89.96-91.88
65 years and over, total	96.3	95.78-96.81
65 years and over, male	95.9	95.09-96.68
65 years and over, female	96.6	95.98-97.27
All ages (crude), total	86.8	86.29-87.33
All ages (crude), male	83.8	83.14-84.53
All ages (crude), female	89.7	89.06-90.30
All ages (age-adjusted), total	86.5	85.99-87.04
All ages (age-adjusted), male	83.6	82.87-84.25
All ages (age-adjusted), female	89.4	88.79-90.04

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2011, combined Sample Adult and Sample Child Core components.

# Age-sex-adjusted percentage of persons of all ages with a usual place to go for medical care, by age group and sex: United States, 2011



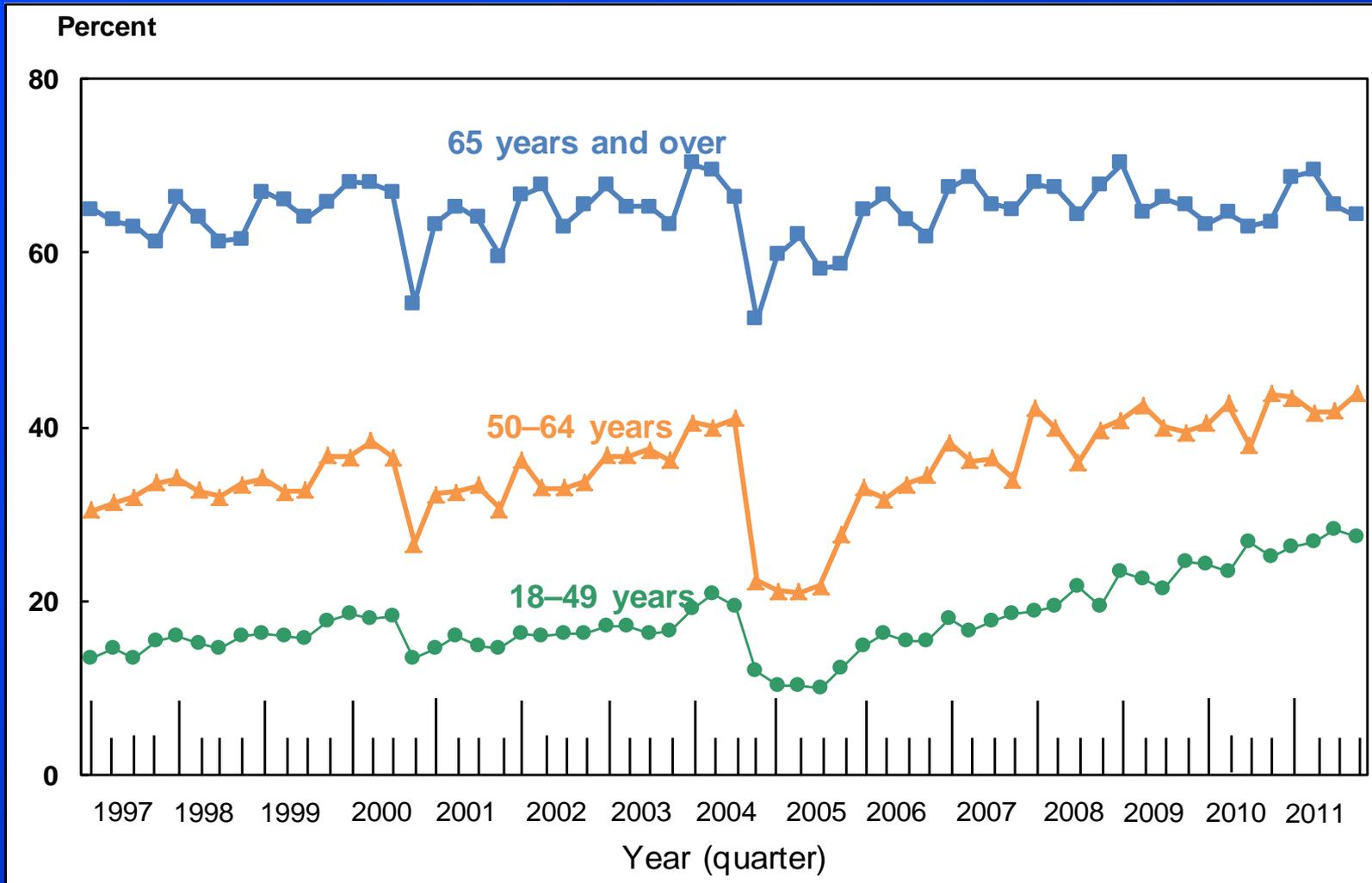
DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2011, combined Sample Adult and Sample Child Core components.

## Age-sex-adjusted percentage of persons of all ages with a usual place to go for medical care, by age group and sex: United States, 2011

<b>Race/ethnicity</b>	<b>Age-sex-adjusted percent (95% confidence interval)</b>	<b>Age-adjusted percent (95% confidence interval)</b>
Hispanic or Latino	78.3 (76.98-79.56)	78.0 (76.72-79.31)
Not Hispanic or Latino, single race, white	89.1 (88.56-89.73)	89.1 (88.56-89.73)
Not Hispanic or Latino, single race, black	84.8 (83.54-85.98)	85.0 (83.77-86.21)

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2011, combined Sample Adult and Sample Child Core components.

# Percentage of adults aged 18 and over who had received an influenza vaccination during the past 12 months, by age group and quarter: United States, 1997–2011



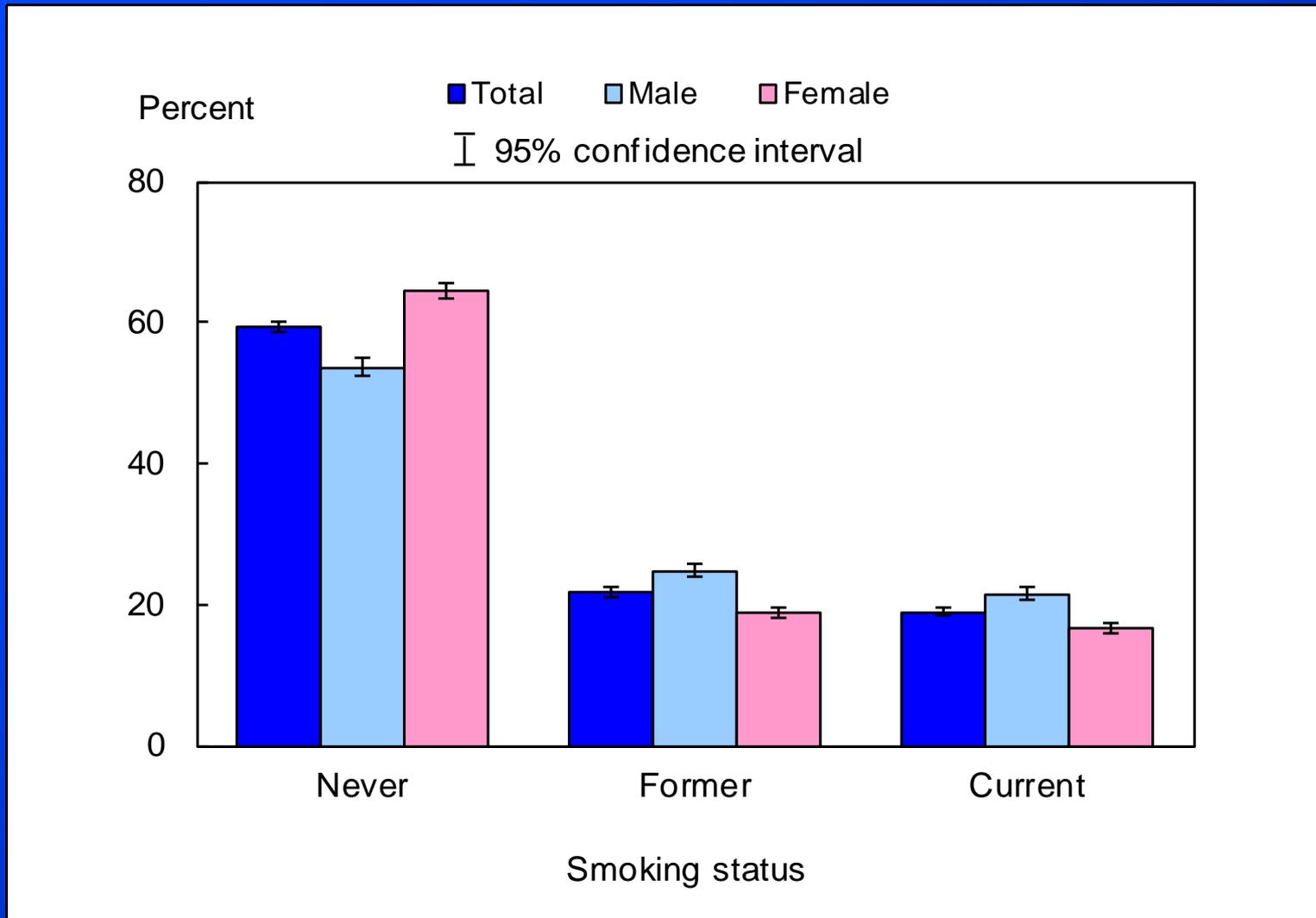
DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2011, combined Sample Adult and Sample Child Core components.

## Percentage of adults aged 18 and over who had received an influenza vaccination during the past 12 months, by age group and quarter: United States, 1997–2011

<b>Year and quarter</b>	<b>Percent (95% confidence interval): 18–49 years</b>	<b>Percent (95% confidence interval): 50–64 years</b>	<b>Percent (95% confidence interval): 65 years and over</b>
1997, quarter 1	13.6 (12.5-14.6)	30.5 (27.8-33.2)	65.0 (62.3-67.6)
1997, quarter 2	14.5 (13.4-15.5)	31.3 (28.7-34.0)	63.7 (61.1-66.2)
1997, quarter 3	13.6 (12.6-14.6)	32.0 (29.3-34.6)	63.1 (60.3-65.9)
1997, quarter 4	15.6 (14.5-16.7)	33.6 (31.1-36.2)	61.2 (58.7-63.8)
...	...	...	...
2010, quarter 1	24.3 (22.45-26.17)	40.4 (37.81-43.05)	63.3 (60.51-66.04)
2010, quarter 2	23.3 (21.56-25.02)	42.7 (39.65-45.74)	64.6 (61.74-67.39)
2010, quarter 3	26.7 (24.81-28.64)	37.9 (35.02-40.69)	63.1 (59.87-66.39)
2010, quarter 4	25.1 (23.24-27.04)	43.8 (40.80-46.82)	63.6 (60.19-66.99)
2011, quarter 1	26.4 (24.86-27.93)	43.4 (40.61-46.17)	68.7 (66.01-71.37)
2011, quarter 2	26.9 (25.32-28.46)	41.7 (38.97-44.39)	69.4 (67.00-71.78)
2011, quarter 3	28.2 (26.47-29.87)	41.9 (39.23-44.57)	65.5 (62.59-68.50)
2011, quarter 4	27.5 (25.48-29.47)	43.8 (41.26-46.32)	64.3 (61.52-67.14)

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2011, combined Sample Adult and Sample Child Core components.

# Percent distribution of smoking status among adults aged 18 and over, by sex: United States, 2011



DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2011, combined Sample Adult and Sample Child Core components.

## Percent distribution of smoking status among adults aged 18 and over, by sex: United States, 2011

<b>Smoking status and sex</b>	<b>Percent</b>	<b>95% confidence interval</b>
Never, total	59.3	58.48-60.11
Never, male	53.7	52.48-54.84
Never, female	64.6	63.55-65.61
Former, total	21.8	21.17-22.38
Former, male	24.8	23.92-25.75
Former, female	18.9	18.08-19.72
Current, total	18.9	18.32-19.55
Current, male	21.5	20.63-22.38
Current, female	16.5	15.75-17.29

DATA SOURCE: CDC/NCHS, National Health Interview Survey, 2011, combined Sample Adult and Sample Child Core components.

# Key Health Indicators Report: Process and Other Considerations

- Minimize changes
  - Exceptions: influenza vaccination, physical activity, new indicators, additional estimates
- Consistent format
- Maximize automation
- Upcoming changes to NHIS

# Contact information and Where to find ER and NHIS

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<http://www.cdc.gov/nchs/nhis/releases.htm>

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