
The Behavioral Risk Factor Surveillance System (BRFSS) is an annual statewide telephone survey of adults developed by the Center for Disease Control and Prevention and administered by the New York State Department of Health. The BRFSS is designed to provide information on behaviors, risk factors, and utilization of preventive services related to the leading causes of chronic and infectious diseases, disability, injury, and death among the noninstitutionalized, civilian population aged 18 years and older.

Cardiovascular Disease New York State Adults 2007

Introduction

Cardiovascular disease (CVD) is a group of diseases involving the circulatory system and includes strokes and diseases of the heart. Heart disease and stroke are major causes of disability and significant contributors to increases in health care costs. CVD is the leading cause of death in New York, claiming over 62,000 lives annually. It accounts for 41% of all deaths statewide.

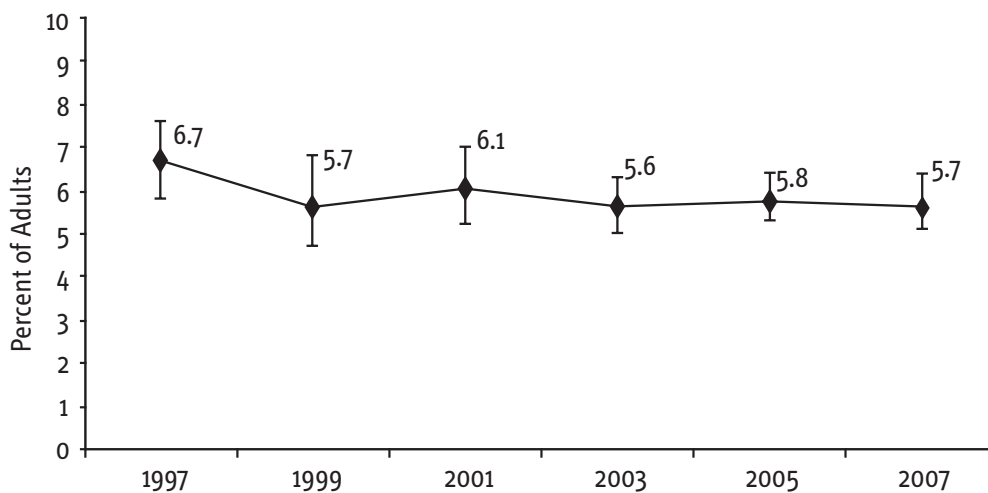
Coronary heart disease (CHD) results from restricted blood flow through the coronary arteries, the vessels that supply oxygen and nutrients to the heart muscle. **Heart attack** (also called acute myocardial infarction) occurs when a coronary artery becomes completely blocked, resulting in lack of blood flow to the heart muscle and therefore loss of needed oxygen. **Angina** refers to pain or discomfort in the chest that occurs when some part of the heart does not receive enough blood and is a common symptom of CHD. A stroke (cerebrovascular disease) is the sudden impairment of brain function that results from the interruption of circulation to part of the brain following either blockage of an artery or internal bleeding (hemorrhage) of an artery supplying blood to that area of the brain.

BRFSS Questions

Has a doctor, nurse, or other health professional ever told you that you had any of the following?

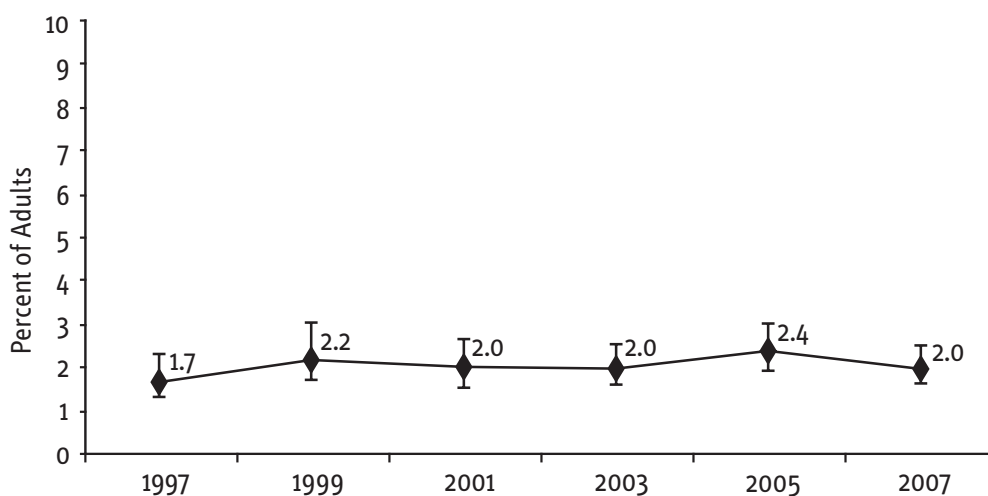
- 1. [Ever told] you had a heart attack, also called a myocardial infarction?*
- 2. [Ever told] you had angina or coronary heart disease?*
- 3. [Ever told] you had a stroke?*

Age-adjusted prevalence of heart attack or angina/CHD among New York State adults, by BRFSS survey year



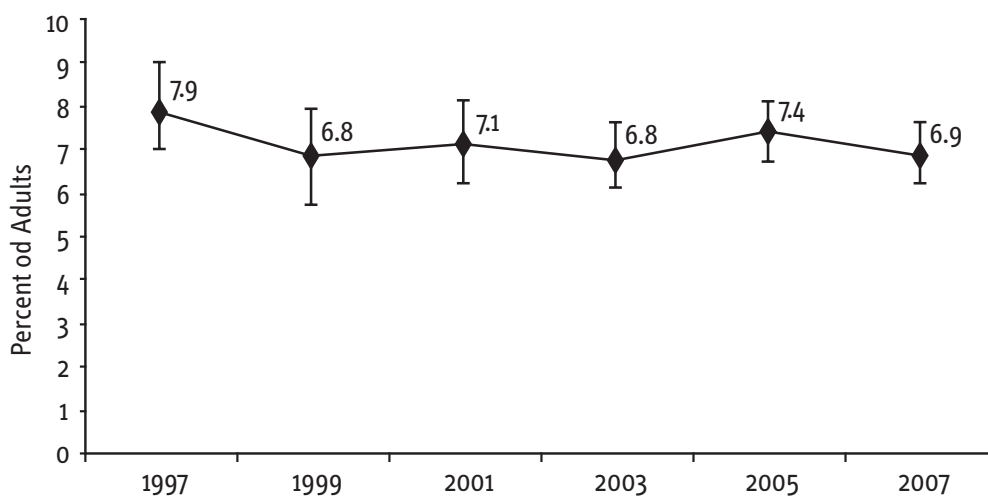
Note: Error bars represent 95% confidence intervals.

Age-adjusted prevalence of stroke among New York State adults, by BRFSS survey year



Note: Error bars represent 95% confidence intervals.

Age-adjusted prevalence of cardiovascular disease (heart attack, angina, stroke) among New York State adults, by BRFSS survey year



Note: Error bars represent 95% confidence intervals.

History of cardiovascular disease (self-reported heart attack, angina/CHD, or stroke) among New York State adults: 2007 BRFSS

| | Heart attack | | Angina/CHD | | HA or Angina/CHD | | Stroke | | Heart attack, angina/CHD, or stroke | |
|--|----------------|---------------------|------------|-----------|------------------|-----------|--------|----------|-------------------------------------|-----------|
| | % ^a | 95% CI ^a | % | 95% CI | % | 95% CI | % | 95% CI | % | 95% CI |
| New York State (NYS) [n=6,525] | 3.6 | 3.1-4.1 | 4.0 | 3.5-4.6 | 5.9 | 5.3-6.6 | 2.1 | 1.7-2.6 | 7.2 | 6.5-8.0 |
| Sex | | | | | | | | | | |
| Male | 5.0 | 4.2-5.8 | 4.2 | 3.5-5.0 | 6.9 | 6.0-7.9 | 2.0 | 1.3-2.8 | 8.1 | 7.0-9.3 |
| Female | 2.3 | 1.8-2.9 | 3.9 | 3.1-4.8 | 5.1 | 4.3-6.0 | 2.3 | 1.8-2.9 | 6.4 | 5.5-7.4 |
| Age (years) | | | | | | | | | | |
| 18-24 | 0.0* | — | 0.0* | — | 0.0* | — | 0.8* | 0.1-5.2 | 0.8* | 0.1-5.2 |
| 25-34 | 0.1* | 0.02-0.9 | 1.9* | 0.7-4.9 | 1.9* | 0.7-4.9 | 0.6* | 0.1-2.9 | 2.4* | 1.0-5.5 |
| 35-44 | 1.1* | 0.5-2.6 | 1.4* | 0.8-2.7 | 2.0* | 1.1-3.4 | 0.5* | 0.1-2.0 | 2.0* | 1.2-3.4 |
| 45-54 | 2.7* | 1.8-3.9 | 2.3* | 1.6-3.4 | 4.2 | 3.1-5.6 | 1.2* | 0.7-2.2 | 5.0 | 3.8-6.6 |
| 55-64 | 4.8 | 3.6-6.5 | 5.8 | 4.5-7.5 | 8.1 | 6.5-10.2 | 3.5* | 2.3-5.3 | 10.4 | 8.4-12.8 |
| 65+ | 12.2 | 10.6-14.1 | 12.5 | 10.8-14.4 | 18.8 | 16.8-21.0 | 6.1 | 4.9-7.6 | 22.1 | 20.0-24.5 |
| Race/ethnicity | | | | | | | | | | |
| White | 4.2 | 3.6-4.8 | 4.2 | 3.7-4.8 | 6.4 | 5.7-7.1 | 1.8 | 1.4-2.3 | 7.4 | 6.7-8.2 |
| Black | 1.9* | 1.1-3.4 | 2.1* | 1.3-3.5 | 3.5* | 2.3-5.3 | 2.9* | 1.8-4.7 | 5.7* | 4.0-8.0 |
| Hispanic | 2.5* | 1.5-4.3 | 4.4* | 2.6-7.4 | 5.9* | 3.9-8.9 | 2.6* | 1.3-5.0 | 7.6* | 5.2-10.9 |
| Other | 3.5* | 2.0-6.2 | 4.2* | 2.6-6.8 | 6.0* | 3.9-9.1 | 2.3* | 1.1-4.5 | 7.1* | 4.7-10.5 |
| Annual household income | | | | | | | | | | |
| <\$15,000 | 6.6* | 4.5-9.4 | 8.6 | 5.6-12.8 | 11.5 | 8.1-16.0 | 6.4* | 3.9-10.4 | 16.0 | 11.8-21.2 |
| \$15,000-\$24,999 | 4.9 | 3.6-6.7 | 6.5 | 4.7-8.9 | 9.0 | 6.9-11.6 | 4.3* | 2.8-6.5 | 11.8 | 9.3-14.9 |
| \$25,000-\$34,999 | 5.0* | 3.5-7.1 | 3.8* | 2.7-5.3 | 6.8 | 5.1-9.1 | 3.0* | 1.8-4.9 | 8.4 | 6.4-11.0 |
| \$35,000-\$49,999 | 4.6* | 3.2-6.6 | 3.4* | 2.1-5.4 | 6.2 | 4.5-8.4 | 1.3* | 0.5-3.1 | 6.5 | 4.8-8.8 |
| \$50,000-\$74,999 | 3.0* | 2.1-4.3 | 2.9* | 2.0-4.0 | 4.5 | 3.3-6.0 | 1.1* | 0.6-2.1 | 5.3 | 4.0-6.9 |
| \$75,000 and greater | 1.6* | 1.1-2.2 | 2.1 | 1.6-2.8 | 2.8 | 2.2-3.5 | 0.6* | 0.4-1.0 | 3.2 | 2.6-4.0 |
| Missing ^b | 3.1* | 2.2-4.5 | 4.8 | 3.6-6.4 | 6.6 | 5.2-8.4 | 1.8* | 1.1-2.8 | 7.3 | 5.8-9.1 |
| Educational attainment | | | | | | | | | | |
| Less than high school (HS) | 4.6* | 3.2-6.5 | 5.2* | 3.5-7.6 | 8.2 | 6.1-11.0 | 3.6* | 2.1-6.2 | 10.6 | 7.9-13.9 |
| High school or GED | 4.8 | 3.9-6.0 | 4.4 | 3.6-5.5 | 7.4 | 6.3-8.8 | 2.7* | 1.9-3.9 | 9.1 | 7.6-10.7 |
| Some college | 3.3 | 2.5-4.5 | 4.1 | 3.1-5.5 | 5.6 | 4.4-7.1 | 1.9* | 1.3-2.9 | 6.3 | 5.1-7.8 |
| College graduate | 2.5 | 1.9-3.1 | 3.3 | 2.6-4.3 | 4.3 | 3.5-5.3 | 1.4* | 0.9-2.1 | 5.4 | 4.4-6.5 |
| Disability^c | | | | | | | | | | |
| Yes | 9.3 | 7.7-11.1 | 11.8 | 10.1-13.8 | 15.2 | 13.3-17.4 | 6.3 | 5.0-7.9 | 18.2 | 16.1-20.5 |
| No | 2.2 | 1.8-2.6 | 2.1 | 1.7-2.7 | 3.6 | 3.0-4.3 | 1.2 | 0.8-1.7 | 4.5 | 3.8-5.3 |
| Health care coverage^d | | | | | | | | | | |
| Yes | 3.8 | 3.3-4.4 | 4.2 | 3.7-4.8 | 6.2 | 5.5-6.8 | 2.2 | 1.7-2.7 | 7.4 | 6.7-8.2 |
| No | 1.9* | 1.0-3.3 | 3.1* | 1.6-5.9 | 4.3* | 2.6-7.2 | 2.0* | 1.0-4.1 | 5.8* | 3.7-9.0 |

^a % = weighted percentage; CI = confidence interval.

^b "Missing" category included because more than 10% of the sample did not report income.

^c All respondents who report activity limitations due to physical, mental, or emotional reasons OR have health problems that require the use of special equipment.

^d Includes health insurance, prepaid plans such as HMOs, and government plans such as Medicare.

*Estimates based on fewer than 50 observations.

Copies may be obtained by contacting:

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