

BRFSS Brief

Number 1915

The Behavioral Risk Factor Surveillance System (BRFSS) is an annual statewide telephone survey of adults developed by the Centers 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.

Breast Cancer Screening New York State Adult Women, 2018

Introduction and Key Findings

Breast cancer is the most commonly diagnosed cancer and the second leading cause of cancer deaths among women in New York State (NYS). Each year, approximately 15,900 women in NYS are newly diagnosed with breast cancer and approximately 2,540 die from the disease.¹ Risk of breast cancer increases with age and varies across racial groups. White women are more likely than black women to be diagnosed with breast cancer but are less likely to have breast cancer diagnosed at an advanced stage. Among women with breast cancer, black women are more likely than white women to die from the disease.²

Screening for breast cancer can increase the likelihood of identifying cancer at an early stage when treatment is most successful. Women aged 50 to 74 years should be screened with a mammogram every two years. Women aged 40 to 49 years, those with a family history or other risk factors for breast cancer, and those who have any symptoms or changes in their breasts should talk to their health care provider about what screening schedule is right for them.³ Although breast cancer screening recommendations may vary between organizations, each woman should be aware of her personal risk for breast cancer and decide, with her health care provider, when to start screening.

NYS has now met the Healthy People 2020 objective of 81.1% of women aged 50 to 74 receiving breast cancer screening every two years, with 82.1% of NYS women aged 50 to 74 indicating that they received a mammogram within the past two years (Figure 1).⁴ However, some subpopulations are less likely to be screened. In NYS, women aged 50 to 74 years without a regular health care provider are significantly less likely to have received a mammogram within the past two years (53.7%) compared to women aged 50 to 74 years with a regular health care provider (84.6%). Women aged 50 to 74 years without health insurance are significantly less likely to have received a mammogram within the past two years (68.3%) compared to women aged 50 to 74 years with health insurance (83.0%) (Figure 2). Of NYS women aged 50 to 74 who have not received a mammogram within the past two years, 91.9% (an estimated 421,700 women) were insured and 79.1% (an estimated 372,700 women) had a regular health care provider (data not shown). To further increase breast cancer screening rates in New York, there is a need to sustain programs that provide screening to those without health insurance and enhance state and local efforts to promote screening and better engage populations that have access to health care.

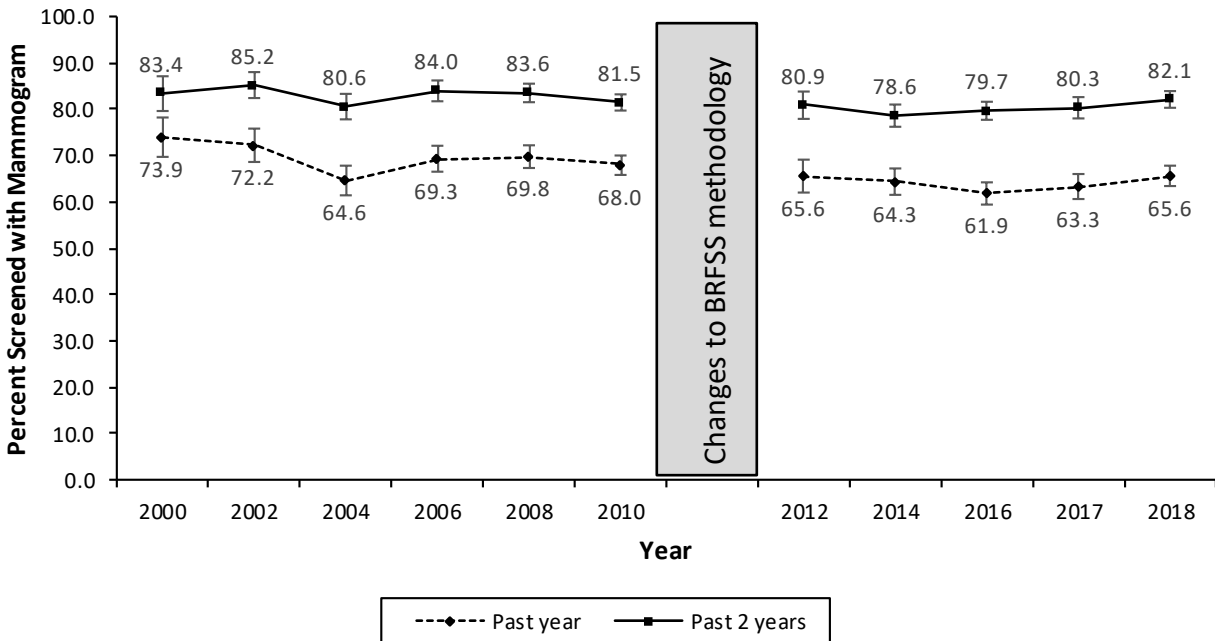
BRFSS Questions

1. A mammogram is an x-ray of each breast to look for breast cancer. Have you ever had a mammogram?

[If “yes”]

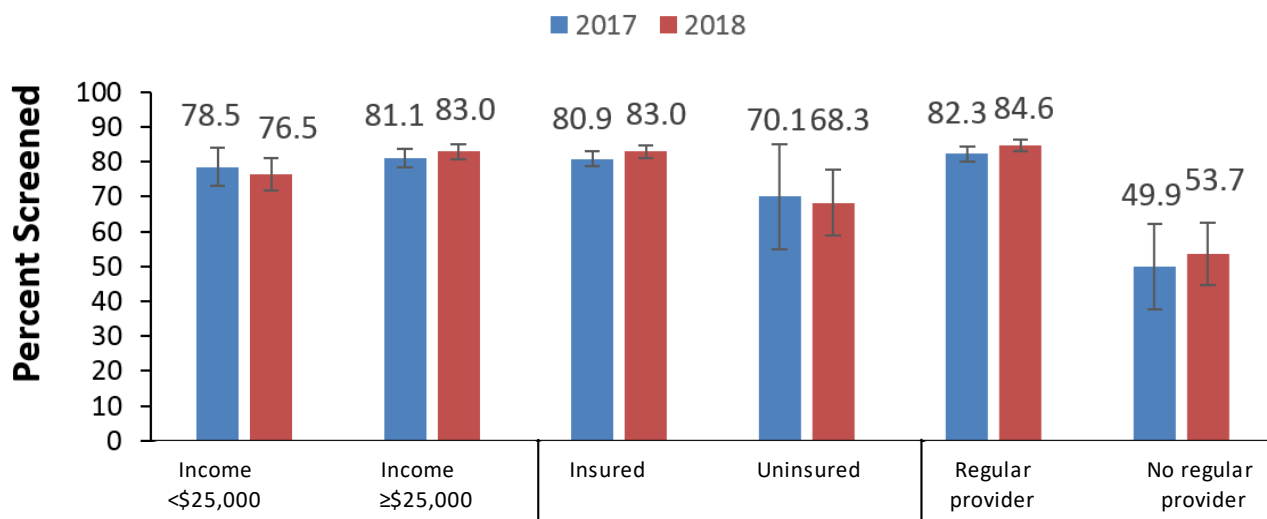
2. How long has it been since you had your last mammogram?

Figure 1. History of mammogram (within past year, within past 2 years) among New York State women aged 50 to 74 years, by BRFSS survey year from 2000 to 2018



*Data from 2012, 2014, 2016, 2017 and 2018 are not comparable to prior years because of changes to the BRFSS methods in 2011. See the following link for more information on these changes: http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6122a3.htm?s_cid=mm6122a3_w
 Note: Error bars represent 95% confidence intervals.

Figure 2. Percent screened by mammography within the past 2 years among New York State women aged 50 to 74 years by income, insurance and regular health care provider status, BRFSS 2017 and 2018 survey years



Note: Error bars represent 95% confidence intervals.

History of mammogram (ever, within past year, within past 2 years) among New York State women aged 50 to 74 years, by selected characteristics, BRFSS 2018 survey

	Estimated population size ^a	Mammogram history					
		Ever		Within past year		Within past 2 years	
		% ^b	95% CI ^b	% ^b	95% CI ^b	% ^b	95% CI ^b
Total NYS [N=8,706]	2,930	95.9	94.9-97.0	65.6	63.4-67.8	82.1	80.3-83.9
Age Group							
50-64	1,953	94.8	93.2-96.3	64.0	61.4-66.6	80.9	78.8-83.1
65-74	978	98.2	97.4-98.9	68.8	65.0-72.7	84.4	81.3-87.5
Race/Ethnicity							
White non-Hispanic	1,791	96.2	95.1-97.3	65.3	63.0-67.5	81.9	80.0-83.7
Black non-Hispanic	403	95.4	92.7-98.1	69.0	63.3-74.8	83.7	79.2-88.2
Hispanic	449	98.6	97.3-99.9	67.6	61.1-74.1	86.4	81.3-91.6
Other non-Hispanic	233	89.2	80.8-97.7	58.5	45.8-71.3	73.4	61.9-84.9
Annual household income							
< \$25,000	614	94.3	91.6-97.0	59.3	54.1-64.5	76.5	71.7-81.2
\$25,000 - <\$50,000	436	97.2	95.6-98.7	62.2	56.4-68.0	79.2	74.1-84.2
≥ \$50,000	1,203	96.3	94.8-97.8	68.7	65.6-71.8	84.4	82.1-86.6
Missing ^c	677	95.9	93.2-98.5	68.3	63.6-72.9	85.3	81.7-89.0
Educational attainment							
Less than high school	426	94.5	90.9-98.1	67.6	60.4-74.8	81.5	75.2-87.8
High school or GED	714	94.2	91.5-96.9	63.2	58.8-67.7	80.7	76.9-84.6
Some post-high school	795	96.9	95.2-98.6	63.0	58.7-67.4	81.4	77.9-84.9
College graduate	984	97.0	95.7-98.3	68.5	65.5-71.5	83.8	81.5-86.2
Primary health care coverage							
Private insurance	1,439	96.1	94.6-97.6	68.3	65.4-71.1	84.5	82.3-86.7
Medicare	767	98.2	97.3-99.1	68.7	64.6-72.7	83.3	79.9-86.8
Medicaid	403	93.7	90.6-96.8	58.5	51.8-65.2	76.5	70.4-82.5
Other insurance	95	97.8	96.1-99.6	65.2	54.2-76.2	84.4	77.7-91.0
No insurance	151	90.1	84.0-96.2	39.8	29.7-49.9	68.3	59.0-77.6
Regular health care provider							
Yes	2,651	97.0	96.1-97.9	68.3	66.1-70.4	84.6	82.9-86.3
No	253	83.9	76.3-91.5	35.4	27.4-43.5	53.7	44.8-62.6
Disability^d							
Yes	938	96.5	95.0-98.0	64.6	60.7-68.4	81.2	78.0-84.4
No	1,823	96.0	94.7-97.2	66.3	63.7-68.9	82.9	80.8-85.0
Residence							
New York City (NYC)	1,201	96.2	94.4-98.0	66.0	62.0-70.0	83.9	80.7-87.0
NYS excluding NYC	1,730	95.7	94.4-97.0	65.3	62.9-67.8	80.9	78.8-83.0

^a Estimated population size based on weighted frequencies from BRFSS, in thousands. Excludes individuals with missing data on each characteristic of interest.

^b %=Percentage; 95% CI=Confidence Interval. Percentages are weighted to population characteristics.

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

^d Based on report of at least one of the following disabilities: cognitive, ambulatory, vision, hearing, self-care, or independent living.

References

1. Cancer Incidence and Mortality for New York State, 2012-2016. New York State Cancer Registry. New York State Department of Health, revised Feb. 2019. Available at <http://www.health.ny.gov/statistics/cancer/registry/vol1/v1rnys.htm>
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3. What Is Breast Cancer Screening? Center for Disease Control and Prevention, updated Jun. 2018. Available at http://www.cdc.gov/cancer/breast/basic_info/screening.htm
4. HealthyPeople.gov, 2020 Topics and Objectives: Cancer. U.S. Department of Health and Human Services, updated Jul. 2018. Available at <http://www.healthypeople.gov/2020/topicsobjectives2020/objectiveslist.aspx?topicId=5>

Program Contributions

New York State Department of Health
Bureau of Chronic Disease Evaluation and Research
Bureau of Cancer Prevention and Control

Order Information

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