

Supplementary data

Table S1. BRFSS direct estimates of demographic characteristics (unadjusted) for up-to-date (within 2 years) mammography by NCHS metropolitan and nonmetropolitan county population size

Characteristics	Metropolitan ^a				Nonmetropolitan ^b			
	N	Population ≥1 million (% , 95% CI)	N	Population ≥ 50,000 and < 1 million (% , 95% CI)	N	Micropolitan (% , 95% CI)	N	Noncore (% , 95% CI)
US Overall	45460	79.97 (79.26, 80.65)	43757	78.26 (77.53, 78.97)	20895	75.95 (74.82, 77.04)	20147	72.61 (71.34, 73.83)
Age group								
50-54	8435	77.84 (76.26, 79.34)	7743	75.54 (73.83, 77.17)	3629	72.84 (70.15, 75.38)	3429	68.60 (65.46, 71.58)
55-59	9370	78.28 (76.65, 79.82)	8874	76.68 (75.08, 78.21)	4345	75.45 (72.98, 77.76)	4169	72.06 (69.24, 74.71)
60-64	10571	80.57 (79.08, 81.97)	9927	78.85 (77.37, 80.27)	4725	74.72 (72.31, 76.98)	4647	71.98 (69.32, 74.50)
65-69	9368	84.47 (83.15, 85.70)	9608	80.33 (78.76, 81.80)	4468	79.16 (76.73, 81.39)	4331	75.94 (73.41, 78.31)
70-74	7716	80.74 (79.07, 92.30)	7605	82.14 (80.46, 83.70)	3728	79.77 (77.28, 82.05)	3573	76.54 (73.71, 79.15)
Race/ethnicity								
NH white	34928	78.83 (78.05, 79.58)	36269	78.11 (77.34, 78.85)	18073	76.48 (75.30, 77.62)	17687	72.49 (71.14, 73.81)
NH black	5928	84.11 (82.19, 85.85)	3031	83.11 (80.68, 85.28)	1014	81.81 (77.92, 85.13)	931	79.39 (75.27, 82.70)
NH AIAN	297	78.22 (69.47, 85.0)	484	69.06 (59.29, 77.38)	388	63.62 (52.96, 73.10)	687	73.63 (65.10, 80.69)
NH Asian	511	82.02 (76.27, 86.62)	618	84.08 (77.44, 89.04)	169	86.49 (75.07, 93.16)	32	57.40 ^c (30.48, 80.54)
Other NH race	807	70.48 (63.67, 76.49)	1028	75.67 (68.57, 81.59)	441	74.13 (66.82, 80.31)	308	71.78 (62.43, 79.60)
Hispanic	2420	82.04 (79.35, 84.45)	1923	74.49 (70.52, 78.10)	690	58.31 (48.92, 67.12)	376	61.52 (50.37, 71.58)

^a Metropolitan and ^b nonmetropolitan areas were based on the 2013 6 areas of NCHS urban-rural classification Scheme for counties (12):

1. Large central Metropolitan Statistical Areas (MSA) with population ≥1 million.
2. Large fringe MSA with population ≥1 million.
3. Medium metropolitan counties within MSAs of 250,000-999,999 population.
4. Small metropolitan counties within MSAs of 50,000-249,999 population (small metro).
5. Micropolitan counties with a city of 10,000 or more population).
6. Non-core (non-micropolitan) counties without a city of 10,000 or more population.

We collapsed the metropolitan areas to 2 areas based on population size:

^a areas 1 (large central metro) and area 2 (large fringe metro); and areas 3 (medium metro) and area 4 (small metro). ^b Areas 5 and 6 remained the same.

n=sample size; Percentages are weighted to the study population; ^c Estimates should be treated with caution because the relative standard error (RSE)>30% or the sample size is small.

Table S2. BRFSS direct estimates of demographic characteristics (unadjusted) for rarely or never having had a mammogram (having the most recent mammogram ≥ 5 years before the survey interview or never having it) by NCHS metropolitan and nonmetropolitan county population size

Characteristics	Metropolitan ^a				Nonmetropolitan ^b			
	N	Population ≥ 1 million (% , 95% CI)	N	Population $\geq 50,000$ and < 1 million (% , 95% CI)	N	Micropolitan (% , 95% CI)	N	Noncore (% , 95% CI)
US Overall	45460	9.61 (9.13, 10.11)	43757	11.48 (10.94, 12.05)	20895	13.42 (12.57, 14.33)	20147	15.36 (14.38, 16.39)
Age group								
50-54	8435	11.0 (9.94, 10.11)	7743	13.41 (12.19, 14.74)	3629	15.21 (13.22, 17.44)	3429	17.03 (14.72, 19.62)
55-59	9370	10.07 (9.04, 11.20)	8874	12.24 (11.07, 13.52)	4345	14.28 (12.44, 16.34)	4169	15.85 (13.72, 18.25)
60-64	10571	8.74 (7.82, 9.76)	9927	10.73 (9.69, 11.87)	4725	13.94 (12.21, 15.87)	4647	15.39 (13.46, 17.55)
65-69	9368	7.96 (7.07, 8.94)	9608	9.73 (8.65, 10.94)	4468	10.97 (9.33, 12.86)	4331	13.38 (11.51, 15.51)
70-74	7716	9.43 (8.31, 10.67)	7605	10.21 (8.86, 11.73)	3728	11.39 (9.63, 13.41)	3573	14.36 (12.27, 16.74)
Race/ethnicity								
NH white	34928	10.52 (9.97, 11.1)	36269	11.56 (10.99, 12.16)	18073	12.91 (12.04, 13.85)	17687	15.64 (14.58, 16.76)
NH black	5928	6.18 (5.21, 7.33)	3031	8.67 (7.01, 10.67)	1014	9.47 (7.23, 12.31)	931	10.43 (8.01, 13.46)
NH AIAN	297	8.87 (4.71, 16.07)	484	17.32 (10.54, 27.12)	388	25.57 (16.72, 37.02)	687	12.97 (8.32, 19.66)
NH Asian	511	8.24 (5.38, 12.41)	618	8.62 (5.55, 13.16)	169	5.65 (2.44, 12.55)	32	27.20 ^c (9.08, 58.30)
Other NH race	807	18.34 (13.37, 24.63)	1028	12.02 (8.73, 16.34)	441	14.73 (10.34, 20.57)	308	14.32 (9.21, 21.60)
Hispanic	2420	7.89 (6.37, 9.74)	1923	13.56 (10.78, 16.92)	690	26.65 (19.43, 35.36)	376	19.62 (12.69, 29.06)

^a Metropolitan and ^b nonmetropolitan areas were based on the 2013 6 areas of NCHS urban-rural classification Scheme for counties:

1. Large central Metropolitan Statistical Areas (MSA) with population ≥ 1 million.
2. Large fringe MSA with population ≥ 1 million.
3. Medium metropolitan counties within MSAs of 250,000-999,999 population.
4. Small metropolitan counties within MSAs of 50,000-249,999 population (small metro).
5. Micropolitan counties with a city of 10,000 or more population).
6. Non-core (non-micropolitan) counties without a city of 10,000 or more population.

We collapsed the metropolitan areas to 2 areas based on population size:

^a areas 1 (large central metro) and area 2 (large fringe metro); and areas 3 (medium metro) and area 4 (small metro). ^b Areas 5 and 6 remained the same.

Percentages are weighted to the study population; ^c Estimates should be treated with caution because the relative standard error (RSE)>30% or the sample size is small.