

ORIGINAL RESEARCH

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PEER REVIEWED

Conclusion

Introduction

Methods

Results



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Measures

Sample

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CHS

Statistical analysis

NYC HANES

Table 1. Demographics, Health Care Coverage, and Access to Care Among New York City Adults in Care and Not in Care, 2013–2014^a

Characteristic	2013 Community Health Survey			2013–2014 New York City Health and Nutrition Examination Survey (NYC HANES)				
	In Care Within Previous Year	Not in Care Within Previous Year	<i>P</i> ^b	In Care Within Previous Year	Not in Care Within Previous Year	<i>P</i> ^{b, c}	In Care From 1 to 3 Years Previously ^d	<i>P</i> ^{b, e}
Sample size, <i>n</i> ^f	6,166	1,921	—	1,135	386	—	200	—
Weighted sample size, <i>n</i>	4,137,212	1,639,236	—	4,701,244	1,584,505	—	796,727	—
Proportion	71.7 (70.3–73.0)	28.3 (27.0–29.7)	—	75.1 (72.2–77.8)	24.9 (22.2–27.8)	—	14.5 (12.4–16.8) ^g	—
Age, <i>y</i>								
20–39	32.9 (31.2–34.6)	60.8 (57.9–63.7)	<.001	36.3 (32.7–40.0)	58.6 (52.9–64.1)	<.001	64.1 (55.8–71.6)	<.001
40–59	36.9 (35.2–38.6)	28.6 (26.0–31.3)		36.6 (33.4–40.0)	30.2 (24.9–36.1)		25.2 (18.5–33.3)	
≥60	30.2 (28.7–31.7)	10.6 (8.9–12.6)		27.1 (23.9–30.5)	11.2 (7.8–15.7)		10.7 (6.6–17.0)	
Sex								
Female	59.4 (57.6–61.2)	42.0 (38.8–45.3)	<.001	57.2 (54.3–60.1)	40.7 (35.3–46.3)	.001	39.6 (32.2–47.6)	<.001
Male	40.6 (38.8–42.4)	58.0 (54.7–61.2)		42.8 (39.9–45.7)	59.3 (53.7–64.7)		60.4 (52.4–67.8)	
Race/ethnicity								
White non-Hispanic	39.5 (37.8–41.2)	31.0 (28.0–34.2)	<.001	34.4 (28.9–40.3)	38.7 (31.0–47.1)	.03	45.5 (35.9–55.3)	.001
Black non-Hispanic	23.2 (21.7–24.7)	18.9 (16.5–21.7)		23.2 (18.0–29.3)	15.7 (11.1–21.9)		16.3 (10.5–24.5)	
Hispanic	22.7 (21.3–24.1)	36.1 (33.0–39.3)		25.8 (21.7–30.4)	30.5 (23.5–38.5)		22.2 (16.0–29.9)	
Asian non-Hispanic ^h	12.4 (11.2–13.6)	12.3 (10.4–14.5)		13.8 (10.6–17.9)	13.1 (9.3–18.2)		15.1 (9.9–22.5)	
Other non-Hispanic ^h	2.3 (1.8–3.0)	1.6 (0.9–2.8)		2.8 (1.9–4.1)	1.8 ⁱ (1.0–3.5)		0.9 ⁱ (0.3–3.2)	
Marital status								
Married	44.3 (42.7–46.0)	40.8 (37.5–44.1)	<.001	44.1 (39.9–48.4)	40.8 (34.5–47.4)	<.001	36.5 (27.4–46.7)	<.001
Divorced or separated	12.6 (11.6–13.6)	14.1(12.0–16.6)		14.0 (12.0–16.3)	11.2 (7.7–16.2)		14.1 (8.1–23.3)	
Widowed	6.2 (5.6–7.0)	5.6 (4.1–7.6)		5.2 (4.1–6.5)	3.0 ⁱ (1.5–5.9)		1.1 ⁱ (0.3–4.5)	
Never married	30.4 (28.9–32.0)	29.7(27.4–32.1)		28.7(25.7–32.0)	35.0 (29.5–40.9)		38.1 (30.3–46.6)	

Abbreviations: —, not applicable; GED, general educational development.

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^b All *P* values determined by Rao–Scott χ^2 test.

^c NYC HANES not in care within previous year vs NYC HANES in care within previous year.

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^g Proportion relative to the population in care within 3 years.

^h Non-Hispanic Pacific Islanders are categorized as “Asian non-Hispanic” in the Community Health Survey, and “other non-Hispanic” in NYC HANES.

ⁱ Estimate should be interpreted with caution. Estimate’s relative standard error (a measure of estimate precision) is greater than 30%, the 95% confidence interval half-width is greater than 10, or the sample size is too small, making the estimate potentially unreliable.

^j Percentage of population in the participant’s zip code living below 100% of the federal poverty level per the American Community Survey 2008–2012.

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	2013 Community Health Survey			2013–2014 New York City Health and Nutrition Examination Survey (NYC HANES)				
Characteristic	In Care Within Previous Year	Not in Care Within Previous Year	P ^b	In Care Within Previous Year	Not in Care Within Previous Year	P ^{b,c}	In Care From 1 to 3 Years Previously ^d	P ^{b,e}
Living with partner	6.4 (5.5–7.5)	9.8 (8.3–11.6)		8.0 (6.3–10.1)	9.9 (7.0–13.9)		10.3 (7.0–14.8)	
Neighborhood poverty level ^f								
<10% (low)	23.0 (21.6–24.4)	17.2 (15.0–19.6)	<.001	23.7 (17.1–31.8)	21.3 (14.2–30.6)	.52	24.7 ^g (15.9–36.2)	.37
10%–19%	36.7 (35.0–38.5)	34.8 (31.7–38.0)		36.1 (28.1–45.0)	37.2 (27.8–47.6)		43.6 ^g (31.8–56.2)	
20%–29%	23.2 (21.7–24.7)	27.5 (24.6–30.6)		23.1 (16.5–31.4)	23.2 (15.2–33.7)		19.5 (11.9–30.2)	
30%–100% (very high)	17.1 (15.9–18.4)	20.5 (17.9–23.4)		17.1 (11.7–24.3)	18.3 (11.3–28.2)		12.2 ^g (6.5–21.8)	
Employment status								
Employed	58.2 (56.5–59.9)	64.2 (61.1–67.3)	<.001	59.0 (55.6–62.2)	64.4 (58.1–70.3)	.004	70.7 (62.4–77.9)	.001
Unemployed or not in labor force	41.8 (40.1–43.5)	35.8 (32.7–38.9)		41.0 (37.8–44.4)	35.6 (29.7–41.9)		29.3 (22.1–37.6)	
Education								
<High school	16.1 (14.8–17.5)	27.2 (24.2–30.5)	<.001	18.4 (15.6–21.6)	20.2 (14.5–27.5)	.84	14.1 (9.1–21.1)	.01
High school graduate or GED	23.6 (22.1–25.2)	24.0 (21.3–26.9)		24.0 (20.7–27.5)	24.2 (18.7–30.7)		23.6 (16.7–32.3)	
Some college or associate degree	23.9 (22.3–25.5)	20.7 (18.0–23.7)		22.9 (20.2–25.7)	22.0 (17.6–27.2)		19.5 (13.4–27.4)	
College graduate	36.4 (34.7–38.1)	28.1 (25.5–30.9)		34.8 (30.5–39.3)	33.5 (27.2–40.5)		42.8 (34.4–51.7)	
US born	51.7 (50.0–53.5)	37.9 (34.8–41.1)	<.001	49.5 (45.0–54.0)	48.6 (41.9–55.3)	.50	59.8 (50.7–68.2)	.002
Length of residence in United States (if foreign born)								
<5 y	11.1 (9.4–13.1)	16.4 (13.9–19.3)	<.001	10.7 (7.1–15.7)	11.5 (7.0–18.4)	.28	18.9 ^g (9.7–33.7)	.15
5–9 y	12.0 (10.3–14.0)	14.0 (11.3–17.3)		14.7 (11.6–18.4)	12.8 (8.5–18.9)		9.9 ^g (4.7–19.7)	
≥10 y	76.8 (74.5–79.0)	69.5 (65.8–73.1)		74.6 (69.9–78.9)	75.7 (68.4–81.7)		71.1 ^g (57.0–82.1)	
Language of interview								
English	80.6 (79.2–81.9)	65.6 (62.4–68.8)	<.001	84.6 (80.6–87.9)	80.4 (72.0–86.7)	.59	88.3 (80.2–93.3)	.10
Spanish	11.3 (10.2–12.4)	25.7 (22.8–28.7)		9.6 (7.2–12.7)	13.8 (8.4–22.0)		4.1 ^g (2.0–8.3)	
Russian	2.8 (2.3–3.4)	2.9 (1.9–4.4)		3.6 ^g (1.9–6.8)	3.7 ^g (1.4–9.5)		5.0 ^g (1.9–12.5)	

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^g Proportion relative to the population in care within 3 years.

^h Non-Hispanic Pacific Islanders are categorized as “Asian non-Hispanic” in the Community Health Survey, and “other non-Hispanic” in NYC HANES.

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^j Percentage of population in the participant’s zip code living below 100% of the federal poverty level per the American Community Survey 2008–2012.

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	In Care Within Previous Year	Not in Care Within Previous Year	<i>P</i> ^b	In Care Within Previous Year	Not in Care Within Previous Year	<i>P</i> ^{b,c}	In Care From 1 to 3 Years Previously ^d	<i>P</i> ^{b,e}
Chinese	5.3 (4.6–6.2)	5.8 (4.5–7.5)		1.8 ⁱ (0.9–3.5)	1.1 ⁱ (0.3–4.5)		1.6 ⁱ (0.2–10.3)	
Other	—	—		0.3 ⁱ (0.1–0.9)	1.0 ⁱ (0.2–3.8)		1.0 ⁱ (0.1–7.1)	
No health insurance	9.1 (7.9–10.4)	47.5 (44.1–50.8)	<.001	10.8 (8.9–13.0)	33.2 (28.3–38.4)	<.001	32.0 (24.5–40.5)	<.001
Insurance type								
Medicaid	26.9 (25.2–28.6)	28.1 (24.3–32.1)	.12	28.0 (23.7–32.6)	17.8 (13.1–23.6)	.005	18.1 (11.5–27.2)	.05
Non-Medicaid	73.1 (71.4–74.8)	71.9 (67.9–75.7)		72.0 (67.4–76.3)	82.2 (76.4–86.9)		81.9 (72.8–88.5)	
Did not get needed medical care in previous 12 months	8.9 (8.0–10.0)	17.0 (14.4–20.0)	<.001	8.7 (7.2–10.6)	10.6 (7.7–14.4)	.22	10.4 (6.8–15.5)	.32

Abbreviations: —, not applicable; GED, general educational development.

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^j Percentage of population in the participant’s zip code living below 100% of the federal poverty level per the American Community Survey 2008–2012.

Table 2. Health Indicators and Chronic Conditions Among New York City Adults in Care and Not in Care, 2013–2014^a

Indicator or Condition	2013 Community Health Survey			2013–2014 New York City Health and Nutrition Examination Survey (NYC HANES)				
	In Care Within Previous Year	Not in Care Within Previous Year	<i>P</i> ^b	In Care Within Previous Year	Not in Care Within Previous Year	<i>P</i> ^{b, c}	In Care From 1 to 3 Years Previously ^d	<i>P</i> ^{b, e}
Sample size, n ^f	6,166	1,921	—	1,135	386	—	200	—
Weighted sample size, n	4,137,212	1,639,236	—	4,701,244	1,584,505	—	796,727	—
Proportion	71.7 (70.3–73.0)	28.3 (27.0–29.7)	—	75.1 (72.2–77.8)	24.9 (22.2–27.8)	—	14.5 (12.4–16.8) ^g	—
Self-rated health status								
Excellent	19.2 (17.8–20.7)	17.8 (15.5–20.4)	.001	14.1 (11.5–17.2)	22.4 (18.0–27.5)	.001	18.2 (13.4–24.2)	.02
Very good	26.9 (25.2–28.5)	22.9 (20.3–25.6)		29.3 (26.7–32.0)	26.3 (21.1–32.1)		34.5 (25.9–44.3)	
Good	31.6 (29.9–33.3)	35.8 (32.8–38.9)		34.5 (31.2–37.9)	32.6 (26.5–39.4)		30.5 (22.9–39.2)	
Fair or poor	22.3 (21.0–23.7)	23.5 (20.6–26.7)		22.2 (19.3–25.3)	18.7 (13.8–24.9)		16.8 (10.5–25.8)	
Body mass index ^h								
Underweight	2.5 (1.9–3.2)	3.8 (2.6–5.5)	.007	2.0 (1.3–3.0)	2.3 ⁱ (1.0–5.3)	.10	3.1 ⁱ (1.0–9.3)	.06
Normal	40.6 (38.8–42.4)	38.7 (35.5–41.9)		32.2 (29.3–35.2)	33.4 (28.1–39.1)		36.3 (28.7–44.8)	
Overweight	32.8 (31.2–34.6)	36.3 (33.1–39.6)		34.6 (32.0–37.3)	36.4 (31.4–41.6)		35.5 (28.0–43.8)	
Obese	20.6 (19.1–22.1)	18.3 (15.7–21.3)		26.2 (23.4–29.1)	25.0 (19.9–31.0)		23.0 (16.4–31.2)	
Extremely obese	3.5 (2.9–4.2)	2.9 (2.0–4.3)		5.1 (3.8–6.8)	2.9 ⁱ (1.4–5.9)		2.1 ⁱ (0.7–6.2)	
Smoking status ^j								
Current	14.9 (13.6–16.3)	21.2 (18.6–24.1)	<.001	17.7 (15.1–20.8)	20.9 (15.9–27.0)	.27	20.2 (13.8–28.7)	.47

Abbreviations: —, not applicable; HbA1c, glycated hemoglobin.

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^c NYC HANES not in care within previous year vs NYC HANES in care within previous year.

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^g Proportion relative to the population in care within 3 years.

^h For CHS, based on self-reported height and weight; for NYC HANES, based on height and weight measurements taken at interview. Categorized (kg/m²) as underweight (<18.5), normal (18.5–24.9), overweight (25.0–29.9), obese (30.0–39.9), or extremely obese (≥40.0).

ⁱ Estimate should be interpreted with caution. Estimate’s relative standard error (a measure of estimate precision) is greater than 30%, the 95% confidence interval half-width is greater than 10, or the sample size is too small, making the estimate potentially unreliable.

^j Current smoker defined as having smoked ≥100 cigarettes in his or her lifetime and a response of “every day” or “some days” to a question about the current smoking frequency.

^k Data restricted to women aged ≥45 years and men aged ≥35 years.

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Indicator or Condition	2013 Community Health Survey			2013–2014 New York City Health and Nutrition Examination Survey (NYC HANES)				
	In Care Within Previous Year	Not in Care Within Previous Year	P ^b	In Care Within Previous Year	Not in Care Within Previous Year	P ^{b, c}	In Care From 1 to 3 Years Previously ^d	P ^{b, e}
Former	20.7 (19.4–22.1)	18.1 (15.5–20.9)		21.6 (19.1–24.2)	23.6 (18.5–29.7)		30.0 (23.0–38.2)	
Never	64.4 (62.6–66.1)	60.7 (57.4–64.0)		60.7 (57.3–64.0)	55.4 (49.2–61.5)		49.7 (42.1–57.3)	
Received influenza vaccine in previous 12 months	47.3 (45.5–49.0)	23.1 (20.6–25.9)	<.001	47.6 (44.0–51.3)	23.3 (18.7–28.7)	<.001	23.0 (16.3–31.3)	<.001
Mental health								
Ever told depression	16.4 (15.1–17.9)	13.4 (11.0–16.2)	<.001	15.2 (13.0–17.7)	13.9 (10.2–18.7)	.21	10.8 (6.5–17.3)	.12
Nonspecific psychological distress (score on Kessler 6 scale [22])								
No or low (0–6)	79.7 (78.2–81.1)	74.4 (71.2–77.4)	.02	78.0 (74.7–81.0)	77.0 (71.5–81.7)	.63	76.8 (69.7–82.7)	.49
Mild or moderate (7–12)	15.1 (13.8–16.5)	19.0 (16.4–21.9)		17.2 (14.8–20.0)	17.2 (13.3–22.0)		17.3 (12.0–24.4)	
Severe (13–24)	5.2 (4.5–6.1)	6.6 (4.8–9.0)		4.8 (3.5–6.5)	5.8 (3.3–10.0)		5.8 ⁱ (3.0–11.2)	
Received mental health treatment in previous 12 months	14.2 (12.9–15.5)	8.0 (6.4–10.1)	<.001	19.2 (16.8–21.8)	11.4 (8.2–15.7)	<.001	9.3 (5.3–15.8)	<.001
Diabetes								
Ever told had diabetes	12.5 (11.5–13.5)	5.4 (4.0–7.3)	<.001	12.6 (10.6–14.8)	4.8 ⁱ (2.5–9.0)	<.001	2.5 ⁱ (0.7–8.8)	<.001
HbA1c ≥6.5 or ever told diabetes and takes medication	—	—	—	16.7 (14.3–19.3)	6.9 (4.1–11.3)	<.001	4.8 ⁱ (2.0–10.9)	<.001
Hypertension								
Ever told hypertension	31.6 (30.2–33.0)	21.8 (19.1–24.7)	<.001	32.5 (29.4–35.7)	16.2 (12.1–21.5)	<.001	15.2 (9.7–23.1)	<.001
Blood pressure ≥140/90 mm Hg or ever told hypertension and	—	—	—	35.5 (32.5–38.7)	26.4 (21.3–32.4)	<.001	28.2 (21.5–36.0)	<.001

Abbreviations: —, not applicable; HbA1c, glycated hemoglobin.

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^f Sample sizes for the Community Health Survey in this row do not add to 8,131 (total sample size) because 44 participants did not respond (refused or responded with “don’t know”) to the in-care questions and were dropped from the analyses. For the NYC HANES, 3 participants did not respond, so sample sizes in this row do not add to 1,524 (total sample size).

^g Proportion relative to the population in care within 3 years.

^h For CHS, based on self-reported height and weight; for NYC HANES, based on height and weight measurements taken at interview. Categorized (kg/m²) as underweight (<18.5), normal (18.5–24.9), overweight (25.0–29.9), obese (30.0–39.9), or extremely obese (≥40.0).

ⁱ Estimate should be interpreted with caution. Estimate’s relative standard error (a measure of estimate precision) is greater than 30%, the 95% confidence interval half-width is greater than 10, or the sample size is too small, making the estimate potentially unreliable.

^j Current smoker defined as having smoked ≥100 cigarettes in his or her lifetime and a response of “every day” or “some days” to a question about the current smoking frequency.

^k Data restricted to women aged ≥45 years and men aged ≥35 years.

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Table 2. Health Indicators and Chronic Conditions Among New York City Adults in Care and Not in Care, 2013–2014^a

Indicator or Condition	2013 Community Health Survey			2013–2014 New York City Health and Nutrition Examination Survey (NYC HANES)				
	In Care Within Previous Year	Not in Care Within Previous Year	<i>P</i> ^b	In Care Within Previous Year	Not in Care Within Previous Year	<i>P</i> ^{b, c}	In Care From 1 to 3 Years Previously ^d	<i>P</i> ^{b, e}
takes medication								
Hypercholesterolemia^k								
Ever told hypercholesterolemia	39.6 (35.9–43.5)	23.8 (20.6–27.3)	<.001	43.1 (36.0–50.5)	20.7 (14.8–28.1)	<.001	21.3 (13.1–32.9)	<.001
Total cholesterol ≥240 mg/dL or ever told hypercholesterolemia and takes medication	—	—	—	35.7 (28.6–43.5)	22.3 (14.4–32.8)	<.001	19.3 ^f (10.8–32.0)	.006

Abbreviations: —, not applicable; HbA1c, glycated hemoglobin.

^a All values are percentage (95% confidence interval) unless otherwise indicated. Column percentages may not add up to 100% because of rounding.

^b All *P* values determined by Rao–Scott χ^2 test.

^c NYC HANES not in care within previous year vs NYC HANES in care within previous year.

^d Defined as a response of “more than 1 year, but not more than 3 years ago” to the question “About how long has it been since you last saw or talked to a doctor or other health care professional about your health?”

^e NYC HANES in care from 1 to 3 years ago vs NYC HANES in care within previous year.

^f Sample sizes for the Community Health Survey in this row do not add to 8,131 (total sample size) because 44 participants did not respond (refused or responded with “don’t know”) to the in-care questions and were dropped from the analyses. For the NYC HANES, 3 participants did not respond, so sample sizes in this row do not add to 1,524 (total sample size).

^g Proportion relative to the population in care within 3 years.

^h For CHS, based on self-reported height and weight; for NYC HANES, based on height and weight measurements taken at interview. Categorized (kg/m^2) as underweight (<18.5), normal (18.5–24.9), overweight (25.0–29.9), obese (30.0–39.9), or extremely obese (≥40.0).

ⁱ Estimate should be interpreted with caution. Estimate’s relative standard error (a measure of estimate precision) is greater than 30%, the 95% confidence interval half-width is greater than 10, or the sample size is too small, making the estimate potentially unreliable.

^j Current smoker defined as having smoked ≥100 cigarettes in his or her lifetime and a response of “every day” or “some days” to a question about the current smoking frequency.

^k Data restricted to women aged ≥45 years and men aged ≥35 years.

Table 3. Health Indicators and Chronic Conditions Among the In-Care Population Combined With the Uninsured Not-in-Care Population in New York City, 2013–2014^a

Indicator or Condition	Prevalence Estimate, % ^b (95% CI)	Difference in Prevalence Between Existing In-Care Population and the In-Care Population Combined With the Uninsured Not-in-Care Population, Percentage Point
Body mass index^c		
Underweight	1.8 (1.2–2.8)	–0.1
Normal	32.4 (29.6–35.4)	0.3
Overweight	35.1 (32.7–37.6)	0.5
Obese	26.1 (23.4–28.9)	–0.1
Extremely obese	4.6 (3.4–6.1)	–0.5
Smoking status^d		
Current	18.5 (16.0–21.3)	0.8
Former	21.7 (19.3–24.4)	0.2
Never	59.7 (56.4–63.0)	–0.9
Received influenza vaccine in previous 12 months	44.3 (40.9–47.7)	–3.3
Nonspecific psychological distress (score on Kessler 6 scale [22])		
No or low (0–6)	77.8 (74.8–80.6)	–0.2
Mild or moderate (7–12)	17.6 (15.3–20.1)	0.3
Severe (13–24)	4.6 (3.4–6.2)	–0.2
Blood pressure ≥140/90 mm Hg or ever told hypertension and takes medication	34.6 (31.6–37.6)	–1.0
Total cholesterol ≥240 mg/dL or ever told hypercholesterolemia and takes medication ^e	26.3 (23.4–29.4)	–9.4
HbA1c ≥6.5 or ever told diabetes and takes medication	15.7 (13.4–18.4)	–1.0

Abbreviations: HbA1c, glycated hemoglobin; CI, confidence interval.

^a Data source: 2013–2014 New York City Health and Nutrition Examination Survey (NYC HANES) (21).

^b Column percentages may not add up to 100% because of rounding.

^c Based on height and weight measurements taken at the NYC HANES interview. Categorized (kg/m²) as underweight (<18.5), normal (18.5–24.9), overweight (25.0–29.9), obese (30.0–39.9), or extremely obese (≥40.0).

^d Current smoker defined as having smoked ≥100 cigarettes in his or her lifetime and a response of “every day” or “some days” to a question about the current smoking frequency.

^e Data restricted to women aged ≥45 years and men aged ≥35 years.