



# National Health Interview Survey

Coverage, Access, and Utilization by Medicaid Expansion Status

## Coverage, access, and utilization by Medicaid expansion status: Estimates from the National Health Interview Survey, United States, 2016

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**Table 1. Age group and poverty status of persons of all ages who were uninsured at the time of interview with family incomes less than or equal to 400 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016**

Age and poverty status	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Uninsured <sup>4</sup> persons of all ages with incomes less than or equal to 400% FPL <sup>5</sup>	7,246	100.0	9,400	100.0	16,639	100.0
Age group <sup>†</sup>						
0-18 years	1,417	19.6 (1.50)*	1,394	14.8 (0.93)	2,810	16.9 (0.85)
19-34 years	2,859	39.5 (1.39)	3,557	37.8 (1.22)	6,412	38.5 (0.92)
35-49 years	1,609	22.2 (1.16)*	2,441	26.0 (0.97)	4,048	24.3 (0.75)
50-64 years	1,282	17.7 (1.08)*	1,956	20.8 (1.02)	3,236	19.4 (0.75)
65 and over	79	1.1 (0.24)	53	0.6 (0.17)	132	0.8 (0.14)
Poverty status <sup>5†</sup>						
Less than 100% FPL	1,537	21.2 (1.74)*	2,909	30.9 (1.35)	4,442	26.7 (1.11)
100% to less than or equal to 138% FPL	989	13.6 (1.85)	1,353	14.4 (1.07)	2,340	14.1 (1.05)
Greater than 138% to less than or equal to 250% FPL	2,849	39.3 (1.94)	3,351	35.7 (1.55)	6,198	37.2 (1.23)
Greater than 250% to less than or equal to 400% FPL	1,871	25.8 (1.72)*	1,788	19.0 (1.36)	3,658	22.0 (1.06)

<sup>†</sup>Chi-square test significant at  $p < 0.05$ .

\*Significantly different from nonexpansion states within age group or poverty level at  $p < 0.05$ .

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>A person was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. A person was also defined as uninsured if he or she had only a private plan that paid for one type of service, such as accidents or dental care.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family Core component.

ACKNOWLEDGMENTS: This table is a product of the Division of Health Interview Statistics. This table was produced by Robin A. Cohen and Emily P. Zammiti of the National Center for Health Statistics, Division of Health Interview Statistics.

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**Table 2. State Medicaid expansion status for persons of all ages who were uninsured at the time of interview with family incomes less than or equal to 400 percent of the federal poverty level, by age group and poverty status: United States, 2016**

Age and poverty status	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Uninsured <sup>4</sup> persons of all ages with incomes less than or equal to 400% FPL <sup>5</sup>	7,246	43.6 (1.35)	9,400	56.4 (1.35)	16,639	100.0
Age group						
0-18 years	1,417	50.5 (3.25)	1,394	49.5 (3.25)	2,810	100.0
19-34 years	2,859	44.6 (1.66)	3,557	55.4 (1.66)	6,412	100.0
35-49 years	1,609	39.8 (1.90)	2,441	60.2 (1.90)	4,048	100.0
50-64 years	1,282	39.7 (2.10)	1,956	60.3 (2.10)	3,236	100.0
65 and over	*	*	*	*	132	100.0
Poverty status <sup>5</sup>						
Less than 100% FPL	1,537	34.6 (2.52)	2,909	65.4 (2.52)	4,442	100.0
100% to less than or equal to 138% FPL	989	42.3 (3.89)	1,353	57.7 (3.89)	2,340	100.0
Greater than 138% to less than or equal to 250% FPL	2,849	46.0 (2.01)	3,351	54.0 (2.01)	6,198	100.0
Greater than 250 to less than or equal to 400% FPL	1,871	51.2 (2.80)	1,788	48.8 (2.80)	3,658	100.0

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>A person was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. A person was also defined as uninsured if he or she had only a private plan that paid for one type of service, such as accidents or dental care.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family Core component.

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**Table 3. Selected demographic characteristics of adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016**

Selected demographic characteristics	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Uninsured <sup>4</sup> adults aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	1,915	100.0	3,721	100.0	5,639	100.0
Age group						
19-34 years	1,029	53.7 (2.96)	1,775	47.7 (1.82)	2,806	49.8 (1.60)
35-49 years	446	23.3 (2.29)	1,049	28.2 (1.60)	1,496	26.5 (1.33)
50-64 years	440	23.0 (2.31)	897	24.1 (1.67)	1,337	23.7 (1.36)
Poverty status <sup>5</sup>						
Less than 100% FPL	1,120	58.5 (3.28) <sup>†</sup>	2,549	68.5 (2.05)	3,671	65.1 (1.81)
100% to less than or equal to 138% FPL	795	41.5 (3.28) <sup>†</sup>	1,172	31.5 (2.05)	1,968	34.9 (1.81)
Sex						
Male	1,201	62.7 (2.33) <sup>†</sup>	1,883	50.6 (1.49)	3,085	54.7 (1.31)
Female	714	37.3 (2.33) <sup>†</sup>	1,838	49.4 (1.49)	2,554	45.3 (1.31)
Race/ethnicity <sup>†</sup>						
Hispanic	419	21.9 (2.64)	731	19.7 (3.26)	1,151	20.4 (2.30)
Non-Hispanic, white only	1,022	53.3 (3.40)	1,676	45.0 (2.70)	2,699	47.9 (2.14)
Non-Hispanic, black only	333	17.4 (2.47) <sup>†</sup>	1,108	29.8 (2.32)	1,442	25.6 (1.73)
Non-Hispanic, Asian only	*	*	47	1.3 (0.57)	127	2.2 (0.60)
Non-Hispanic, other	61	3.2 (1.02)	159	4.3 (0.98)	220	3.9 (0.73)
Marital status						
Married	503	26.3 (3.00)	1,054	28.3 (1.76)	1,558	27.6 (1.54)
Widowed	26	1.3 (0.48)	91	2.4 (0.56)	116	2.1 (0.40)
Divorced or separated	235	12.3 (1.79)	597	16.1 (1.21)	833	14.8 (1.02)
Living with a partner	324	16.9 (2.04)	535	14.4 (1.63)	860	15.2 (1.28)
Never married	827	43.2 (3.10)	1,444	38.8 (2.08)	2,272	40.3 (1.74)
Number of family members						
1	448	23.4 (2.30)	696	18.7 (1.63)	1,145	20.3 (1.34)
2-4	1,077	56.2 (2.88)	2,265	60.9 (2.08)	3,344	59.3 (1.68)
5 or more	390	20.4 (2.77)	759	20.4 (1.73)	1,150	20.4 (1.49)
Employment status <sup>†</sup>						
Employed	1,221	63.8 (2.43)	2,071	55.7 (1.60)	3,294	58.4 (1.37)
Unemployed	273	14.3 (1.85)	625	16.8 (1.35)	899	15.9 (1.10)
Not in workforce	421	22.0 (2.17) <sup>†</sup>	1,025	27.5 (1.60)	1,447	25.7 (1.30)
Education status						
Less than high school	565	29.5 (2.84)	1,084	29.1 (1.73)	1,650	29.3 (1.50)
High school diploma or GED <sup>6</sup>	663	34.6 (2.65)	1,515	40.7 (1.87)	2,180	38.7 (1.52)
Some college	537	28.1 (2.49)	959	25.8 (1.69)	1,497	26.5 (1.39)
Bachelor's degree or more	149	7.8 (1.71)	164	4.4 (0.78)	313	5.5 (0.79)

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

<sup>†</sup>Chi-square test significant at  $p < 0.05$ .

<sup>†</sup>Significantly different from nonexpansion states within poverty status, sex, race and ethnicity, and employment status at  $p < 0.05$ .

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

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<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>A person was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. A person was also defined as uninsured if he or she had only a private plan that paid for one type of service, such as accidents or dental care.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>GED is General Educational Development high school equivalency diploma.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family Core component.

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**Table 4. State Medicaid expansion status for adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected demographic characteristics: United States, 2016**

Selected demographic characteristics	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Uninsured <sup>4</sup> adults aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	1,915	33.9 (1.81)	3,721	66.1 (1.81)	5,639	100.0
Age group						
19-34 years	1,029	36.6 (2.47)	1,775	63.4 (2.47)	2,806	100.0
35-49 years	446	29.8 (2.89)	1,049	70.2 (2.89)	1,496	100.0
50-64 years	440	32.9 (3.14)	897	67.1 (3.14)	1,337	100.0
Poverty status <sup>5</sup>						
Less than 100% FPL	1,120	30.5 (2.08)	2,549	69.5 (2.08)	3,671	100.0
100% to less than or equal to 138% FPL	795	40.4 (3.20)	1,172	59.6 (3.20)	1,968	100.0
Sex						
Male	1,201	38.9 (2.18)	1,883	61.1 (2.18)	3,085	100.0
Female	714	27.9 (2.16)	1,838	72.1 (2.16)	2,554	100.0
Race/ethnicity						
Hispanic	419	36.4 (5.56)	731	63.6 (5.56)	1,151	100.0
Non-Hispanic, white only	1,022	37.8 (2.64)	1,676	62.2 (2.64)	2,699	100.0
Non-Hispanic, black only	333	23.1 (3.08)	1,108	76.9 (3.08)	1,442	100.0
Non-Hispanic, Asian only	*	*	*	*	127	100.0
Non-Hispanic, other	*	*	*	*	220	100.0
Marital status						
Married	503	32.1 (3.52)	1,054	67.9 (3.52)	1,558	100.0
Widowed	*	*	*	*	116	100.0
Divorced or separated	235	28.1 (3.60)	597	71.9 (3.60)	833	100.0
Living with a partner	324	37.6 (4.18)	535	62.4 (4.18)	860	100.0
Never married	827	36.2 (2.75)	1,444	63.8 (2.75)	2,272	100.0
Number of family members						
1	448	39.1 (3.27)	696	60.9 (3.27)	1,145	100.0
2-4	1,077	32.2 (2.28)	2,265	67.8 (2.28)	3,344	100.0
5 or more	390	33.9 (4.21)	759	66.1 (4.21)	1,150	100.0
Employment status						
Employed	1,221	37.1 (2.20)	2,071	62.9 (2.20)	3,294	100.0
Unemployed	273	30.4 (3.43)	625	69.6 (3.43)	899	100.0
Not in workforce	421	29.1 (3.00)	1,025	70.9 (3.00)	1,447	100.0
Education status						
Less than high school	565	34.1 (3.38)	1,084	65.9 (3.38)	1,650	100.0
High school diploma or GED <sup>5</sup>	663	30.2 (2.58)	1,515	69.8 (2.58)	2,180	100.0
Some college	537	35.7 (2.85)	959	64.3 (2.85)	1,497	100.0
Bachelor's degree or more	149	47.5 (7.04)	164	52.5 (7.04)	313	100.0

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

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<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>A person was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. A person was also defined as uninsured if he or she had only a private plan that paid for one type of service, such as accidents or dental care.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>GED is General Educational Development high school equivalency diploma.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family Core component.

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**Table 5. Health status and selected health conditions of adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016**

Health status and selected health conditions	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Uninsured <sup>4</sup> adults aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	1,834	100.0	3,382	100.0	5,219	100.0
Health status <sup>†</sup>						
Excellent or very good	864	47.1 (4.33)	1,689	49.9 (2.79)	2,555	49.0 (2.37)
Good	734	40.0 (4.52) <sup>‡</sup>	948	28.0 (2.46)	1,682	32.2 (2.30)
Fair or poor	236	12.9 (3.04) <sup>‡</sup>	745	22.0 (2.29)	982	18.8 (1.85)
Health status compared to previous year <sup>†</sup>						
Better	289	15.7 (3.05)	574	17.0 (2.04)	863	16.5 (1.70)
Same	1,379	75.2 (4.03)	2,250	66.5 (2.49)	3,631	69.6 (2.15)
Worse	*	*	558	16.5 (2.07)	725	13.9 (1.75)
Ever been diagnosed with cancer						
Yes	*	*	124	3.7 (1.08)	198	3.8 (0.92)
No	**1,760	**96.0 (1.70)	3,258	96.3 (1.08)	5,022	96.2 (0.92)
Ever been diagnosed with diabetes						
Yes	*	*	237	7.0 (2.03)	318	6.1 (1.46)
No	**1,754	**95.6 (1.71)	3,144	93.0 (2.03)	4,901	93.9 (1.46)
Ever been diagnosed with hypertension <sup>6</sup>						
Yes	291	15.9 (3.31)	650	19.2 (2.44)	941	18.0 (1.97)
No	1,543	84.1 (3.31)	2,732	80.8 (2.44)	4,278	82.0 (1.97)
Had hypertension <sup>6</sup> in past 12 months						
Yes	207	11.3 (2.77)	524	15.5 (2.31)	732	14.0 (1.80)
No	1,627	88.7 (2.77)	2,857	84.5 (2.31)	4,487	86.0 (1.80)
Ever been diagnosed with high cholesterol						
Yes	178	9.7 (2.57) <sup>‡</sup>	566	16.7 (2.37)	745	14.3 (1.81)
No	1,656	90.3 (2.57) <sup>‡</sup>	2,815	83.3 (2.37)	4,475	85.7 (1.81)
Had high cholesterol in past 12 months						
Yes	56	3.0 (1.13) <sup>‡</sup>	347	10.3 (2.19)	404	7.7 (1.51)
No	1,778	97.0 (1.13) <sup>‡</sup>	3,034	89.7 (2.19)	4,815	92.3 (1.51)

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

\*\*Complement of the estimate does not meet NCHS standards of reliability or precision.

<sup>†</sup>Chi-square test significant at  $p < 0.05$ .

<sup>‡</sup>Significantly different from nonexpansion states within each health status at  $p < 0.05$ .

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>A person was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. A person was also defined as uninsured if he or she had only a private plan that paid for one type of service, such as accidents or dental care.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Adults had to have been told on two or more different visits that they had hypertension or high blood pressure to be classified as hypertensive.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

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**Table 6. State Medicaid expansion status for adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by health status and selected health conditions: United States, 2016**

Health status and selected health conditions	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Uninsured <sup>4</sup> adults aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	1,834	35.1 (2.59)	3,382	64.9 (2.59)	5,219	100.0
Health status						
Excellent or very good	864	33.8 (3.24)	1,689	66.2 (3.24)	2,555	100.0
Good	734	43.6 (4.76)	948	56.4 (4.76)	1,682	100.0
Fair or poor	236	24.0 (5.15)	745	76.0 (5.15)	982	100.0
Health status compared to previous year						
Better	289	33.4 (5.27)	574	66.6 (5.27)	863	100.0
Same	1,379	37.9 (3.11)	2,250	62.1 (3.11)	3,631	100.0
Worse	*	*	**558	**77.1 (7.12)	725	100.0
Ever been diagnosed with cancer						
Yes	*	*	*	*	198	100.0
No	1,760	35.3 (2.67)	3,258	64.7 (2.67)	5,022	100.0
Ever been diagnosed with diabetes						
Yes	*	*	*	*	318	100.0
No	1,754	35.7 (2.63)	3,144	64.3 (2.63)	4,901	100.0
Ever been diagnosed with hypertension <sup>6</sup>						
Yes	291	30.9 (5.78)	650	69.1 (5.78)	941	100.0
No	1,543	36.1 (2.84)	2,732	63.9 (2.84)	4,278	100.0
Had hypertension <sup>6</sup> in past 12 months						
Yes	207	28.3 (6.28)	524	71.7 (6.28)	732	100.0
No	1,627	36.3 (2.78)	2,857	63.7 (2.78)	4,487	100.0
Ever been diagnosed with high cholesterol						
Yes	178	23.9 (5.90)	566	76.1 (5.90)	745	100.0
No	1,656	37.0 (2.76)	2,815	63.0 (2.76)	4,475	100.0
Had high cholesterol in past 12 months						
Yes	*	*	**347	**86.3 (5.20)	404	100.0
No	1,778	36.7 (2.72)	3,034	63.3 (2.72)	4,815	100.0

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

\*\*Complement of the estimate does not meet NCHS standards of reliability or precision.

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>A person was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. A person was also defined as uninsured if he or she had only a private plan that paid for one type of service, such as accidents or dental care.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Adults had to have been told on two or more different visits that they had hypertension or high blood pressure to be classified as hypertensive.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

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**Table 7. Type of health insurance coverage and any period without health insurance coverage for adults aged 19-64 with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016**

Coverage status and period without health insurance	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Adults aged 19-64 years <sup>4</sup> with family incomes less than or equal to 138% FPL <sup>5</sup>	14,641	100.0	9,996	100.0	24,637	100.0
Coverage status and type of health insurance <sup>6†</sup>						
Private <sup>7</sup>	5,013	34.2 (1.30) <sup>‡</sup>	3,999	40.0 (1.55)	9,013	36.6 (0.98)
Medicaid <sup>8</sup>	7,655	52.3 (1.29) <sup>‡</sup>	2,163	21.6 (1.12)	9,815	39.8 (0.95)
Uninsured <sup>9</sup>	1,915	13.1 (0.78) <sup>‡</sup>	3,721	37.2 (1.47)	5,639	22.9 (0.80)
Any period without health insurance in the past 12 months <sup>10</sup>						
Yes	3,061	20.9 (0.95) <sup>‡</sup>	4,601	46.0 (1.45)	7,663	31.1 (0.86)
No	11,579	79.1 (0.95) <sup>‡</sup>	5,395	54.0 (1.45)	16,974	68.9 (0.86)

<sup>†</sup>Chi-square test significant at  $p < 0.05$ .

<sup>‡</sup>Significantly different from nonexpansion states within each coverage characteristic at  $p < 0.05$ .

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>Includes adults with health insurance coverage other than private, Medicaid, or uninsured.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Health insurance classification is based on a hierarchy of mutually exclusive categories in the following order, private, Medicaid, other coverage, and uninsured. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy.

<sup>7</sup>Includes any comprehensive private insurance plan (including health maintenance and preferred provider organizations). These plans include those obtained through an employer, purchased directly, purchased through local or community programs, or purchased through the Health Insurance Marketplace or a state-based exchange. Private coverage excludes plans that pay for only one type of service, such as accidents or dental care.

<sup>8</sup>Includes Medicaid and only state-sponsored health plans with no premiums or it is not known if a premium is charged. Adults with more than one type of coverage were assigned the first appropriate category in the hierarchy. Therefore, this category excludes adults who were covered by private insurance in addition to their Medicaid coverage.

<sup>9</sup>An adult was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. An adult was also defined as uninsured if he or she had only a private plan that paid for one type of service, such as accidents or dental care.

<sup>10</sup>Adults were classified as having a period without health insurance in the past 12 months if they were uninsured at the time of interview or were insured at the time of interview and had a period of uninsurance in the 12 months prior to interview.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family Core component.

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**Table 8. State Medicaid expansion status for adults aged 19-64 with family incomes less than or equal to 138 percent of the federal poverty level, by type of health insurance coverage and any period without health insurance coverage: United States, 2016**

Coverage status and period without health insurance	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Adults aged 19-64 years <sup>4</sup> with family incomes less than or equal to 138% FPL <sup>5</sup>	14,641	59.4 (1.15)	9,996	40.6 (1.15)	24,637	100.0
Coverage status and type of health insurance <sup>6</sup>						
Private <sup>7</sup>	5,013	55.6 (1.92)	3,999	44.4 (1.92)	9,013	100.0
Medicaid <sup>8</sup>	7,655	77.9 (1.27)	2,163	22.1 (1.27)	9,815	100.0
Uninsured <sup>9</sup>	1,915	33.9 (1.81)	3,721	66.1 (1.81)	5,639	100.0
Any period without health insurance in the past 12 months <sup>10</sup>						
Yes	3,061	39.9 (1.65)	4,601	60.1 (1.65)	7,663	100.0
No	11,579	68.2 (1.28)	5,395	31.8 (1.28)	16,974	100.0

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>Includes adults with health insurance coverage other than private, Medicaid, or uninsured.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Health insurance classification is based on a hierarchy of mutually exclusive categories in the following order, private, Medicaid, other coverage, and uninsured. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy.

<sup>7</sup>Includes any comprehensive private insurance plan (including health maintenance and preferred provider organizations). These plans include those obtained through an employer, purchased directly, purchased through local or community programs, or purchased through the Health Insurance Marketplace or a state-based exchange. Private coverage excludes plans that pay for only one type of service, such as accidents or dental care.

<sup>8</sup>Includes Medicaid and only state-sponsored health plans with no premiums or it is not known if a premium is charged. Adults with more than one type of coverage were assigned the first appropriate category in the hierarchy. Therefore, this category excludes adults who were covered by private insurance in addition to their Medicaid coverage.

<sup>9</sup>An adult was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. An adult was also defined as uninsured if he or she had only a private plan that paid for one type of service, such as accidents or dental care.

<sup>10</sup>Adults were classified as having a period without health insurance in the past 12 months if they were uninsured at the time of interview or were insured at the time of interview and had a period of uninsurance in the 12 months prior to interview.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family Core component.

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**Table 9. Selected measures of access to health care for adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Uninsured <sup>4</sup> adults aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	1,834	100.0	3,382	100.0	5,219	100.0
Usual place of care <sup>6</sup>						
Yes	831	45.3 (4.20)	1,557	46.0 (2.91)	2,390	45.8 (2.40)
No	1,002	54.7 (4.20)	1,825	54.0 (2.91)	2,829	54.2 (2.40)
Kind of place <sup>7†</sup>						
Clinic or health center	284	34.2 (5.86) <sup>‡</sup>	928	59.6 (4.32)	1,214	50.8 (3.75)
Doctor's office or HMO	433	52.1 (6.78) <sup>‡</sup>	458	29.4 (3.99)	891	37.3 (3.74)
Other place	*	*	171	11.0 (2.93)	285	11.9 (2.44)
Any unmet medical need <sup>8</sup>						
Yes	909	49.6 (4.53) <sup>‡</sup>	2,121	62.7 (3.00)	3,033	58.1 (2.53)
No	925	50.4 (4.53) <sup>‡</sup>	1,260	37.3 (3.00)	2,187	41.9 (2.53)
Didn't get needed medical care due to cost, past 12 months						
Yes	498	27.2 (3.63) <sup>‡</sup>	1,262	37.3 (2.64)	1,762	33.8 (2.15)
No	1,335	72.8 (3.63) <sup>‡</sup>	2,120	62.7 (2.64)	3,458	66.2 (2.15)
Delayed care due to cost, past 12 months						
Yes	561	30.6 (4.28)	1,384	40.9 (3.09)	1,948	37.3 (2.54)
No	1,272	69.4 (4.28)	1,997	59.1 (3.09)	3,272	62.7 (2.54)
Needed but couldn't afford prescription medicine, past 12 months						
Yes	422	23.0 (3.85) <sup>‡</sup>	1,122	33.2 (3.11)	1,544	29.6 (2.44)
No	1,412	77.0 (3.85) <sup>‡</sup>	2,259	66.8 (3.11)	3,675	70.4 (2.44)
Needed but couldn't afford mental health care, past 12 months						
Yes	145	7.9 (2.31)	432	12.8 (2.74)	577	11.1 (1.96)
No	1,689	92.1 (2.31)	2,950	87.2 (2.74)	4,642	88.9 (1.96)
Needed but couldn't afford dental care, past 12 months						
Yes	566	30.8 (4.27)	1,304	38.6 (3.55)	1,870	35.8 (2.73)
No	1,268	69.2 (4.27)	2,078	61.4 (3.55)	3,349	64.2 (2.73)
Needed but couldn't afford eyeglasses, past 12 months						
Yes	370	20.2 (3.93)	712	21.1 (2.94)	1,083	20.7 (2.35)
No	1,464	79.8 (3.93)	2,669	78.9 (2.94)	4,136	79.3 (2.35)
Needed but couldn't afford to see a specialist, past 12 months						
Yes	308	16.8 (3.65)	732	21.6 (3.03)	1,040	19.9 (2.34)
No	1,526	83.2 (3.65)	2,650	78.4 (3.03)	4,179	80.1 (2.34)

See footnotes at end of table.

**Table 9. Selected measures of access to health care for adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016—continued**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Needed but couldn't afford follow up care, past 12 months						
Yes	281	15.3 (3.27)	602	17.8 (2.66)	883	16.9 (2.07)
No	1,553	84.7 (3.27)	2,780	82.2 (2.66)	4,336	83.1 (2.07)
Prescribed medication, past 12 months						
Yes	661	36.0 (4.62)	1,324	39.2 (3.10)	1,986	38.0 (2.57)
No	1,173	64.0 (4.62)	2,058	60.8 (3.10)	3,233	62.0 (2.57)
Skipped medication doses to save money, past 12 months <sup>9</sup>						
Yes	217	11.8 (3.31)	468	13.8 (2.42)	685	13.1 (1.95)
No	1,617	88.2 (3.31)	2,914	86.2 (2.42)	4,534	86.9 (1.95)
Took less medicine to save money, past 12 months <sup>9</sup>						
Yes	218	11.9 (3.31)	456	13.5 (2.48)	675	12.9 (1.98)
No	1,616	88.1 (3.31)	2,925	86.5 (2.48)	4,544	87.1 (1.98)
Delayed filling prescription to save money, past 12 months <sup>9</sup>						
Yes	267	14.5 (3.61)	584	17.3 (2.52)	851	16.3 (2.07)
No	1,567	85.5 (3.61)	2,798	82.7 (2.52)	4,368	83.7 (2.07)
Asked for lower cost medication to save money, past 12 months <sup>9</sup>						
Yes	287	15.7 (3.67)	663	19.6 (2.45)	951	18.2 (2.04)
No	1,546	84.3 (3.67)	2,719	80.4 (2.45)	4,269	81.8 (2.04)
Any nonfinancial barrier to care in the past 12 months <sup>10</sup>						
Yes	158	8.6 (2.28)	473	14.0 (2.46)	631	12.1 (1.81)
No	1,676	91.4 (2.28)	2,908	86.0 (2.46)	4,588	87.9 (1.81)
Delayed care because unable to get through on phone, past 12 months						
Yes	*	*	59	1.7 (0.68)	106	2.0 (0.61)
No	**1,787	**97.5 (1.21)	3,323	98.3 (0.68)	5,114	98.0 (0.61)
Delayed care because unable to get appointment soon enough, past 12 months						
Yes	*	*	101	3.0 (0.80)	183	3.5 (0.81)
No	**1,752	**95.5 (1.77)	3,281	97.0 (0.80)	5,036	96.5 (0.81)
Delayed care because office wait time was too long, past 12 months						
Yes	*	*	260	7.7 (2.13)	379	7.3 (1.57)
No	**1,715	**93.5 (2.11)	3,121	92.3 (2.13)	4,840	92.7 (1.57)

See footnotes at end of table.

**Table 9. Selected measures of access to health care for adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016—continued**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Delayed care because office wasn't open when could go, past 12 months						
Yes	*	*	65	1.9 (0.63)	106	2.0 (0.64)
No	**1,793	**97.8 (1.39)	3,317	98.1 (0.63)	5,114	98.0 (0.64)
Delayed care because didn't have transportation, past 12 months						
Yes	19	1.0 (0.54) <sup>†</sup>	203	6.0 (1.58)	222	4.2 (1.07)
No	1,815	99.0 (0.54) <sup>†</sup>	3,179	94.0 (1.58)	4,998	95.8 (1.07)

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

\*\*Complement of the estimate does not meet NCHS standards of reliability or precision.

<sup>†</sup>Chi-square test significant at  $p < 0.05$ .

<sup>‡</sup>Significantly different from nonexpansion states within each measure of access to care at  $p < 0.05$ .

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>An adult was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. An adult was also defined as uninsured if he or she had only a private plan that paid for one type of service, such as accidents or dental care.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Based on a question that asked respondents, "Is there a place that you usually go to when you are sick or need advice about your health?" Adults who report the emergency department as their usual place of care are defined as having no usual place of care.

<sup>7</sup>Only among adults who have a usual place of care.

<sup>8</sup>Adults were classified as having "Any unmet need" if they reported "yes" to any of the following questions: "During the past 12 months was there any time when [you/someone in the family] needed medical care, but did not get it because [you/the family] could not afford it?" "During the past 12 months, [have/has] [you/anyone in the family] delayed seeking medical care because of worry about the cost." "During the past 12 months, was there any time when [you needed any of the following, but didn't get it because you couldn't afford it: prescription medicines, mental health care or counseling, or dental care?"

<sup>9</sup>Adults who were not prescribed medication in the past 12 months were considered to be a "no" response for this measure.

<sup>10</sup>Adults were classified as having "Any nonfinancial barrier to care" if they reported "yes" to any of the following for delaying care in the past 12 months: couldn't get through on the telephone; couldn't get an appointment soon enough; once you get there, wait too long to see the doctor; the clinic/doctor's office wasn't open when you could get there; didn't have transportation.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

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**Table 10. State Medicaid expansion status for adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of access to health care: United States, 2016**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Uninsured <sup>4</sup> adults aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	1,834	35.1 (2.59)	3,382	64.9 (2.59)	5,219	100.0
Usual place of care <sup>6</sup>						
Yes	831	34.7 (3.76)	1,557	65.3 (3.76)	2,390	100.0
No	1,002	35.3 (3.25)	1,825	64.7 (3.25)	2,829	100.0
Kind of place <sup>7</sup>						
Clinic or health center	284	23.4 (4.24)	928	76.6 (4.24)	1,214	100.0
Doctor's office or HMO	433	48.4 (6.53)	458	51.6 (6.53)	891	100.0
Other place	*	*	*	*	285	100.0
Any unmet medical need <sup>8</sup>						
Yes	909	30.0 (3.39)	2,121	70.0 (3.39)	3,033	100.0
No	925	42.3 (3.85)	1,260	57.7 (3.85)	2,187	100.0
Didn't get needed medical care due to cost, past 12 months						
Yes	498	28.3 (3.92)	1,262	71.7 (3.92)	1,762	100.0
No	1,335	38.6 (3.04)	2,120	61.4 (3.04)	3,458	100.0
Delayed care due to cost, past 12 months						
Yes	561	28.8 (4.30)	1,384	71.2 (4.30)	1,948	100.0
No	1,272	38.8 (3.03)	1,997	61.2 (3.03)	3,272	100.0
Needed but couldn't afford prescription medicine, past 12 months						
Yes	422	27.5 (4.69)	1,122	72.5 (4.69)	1,544	100.0
No	1,412	38.7 (2.99)	2,259	61.3 (2.99)	3,675	100.0
Needed but couldn't afford mental health care, past 12 months						
Yes	*	*	*	*	577	100.0
No	1,689	36.6 (2.74)	2,950	63.4 (2.74)	4,642	100.0
Needed but couldn't afford dental care, past 12 months						
Yes	566	30.4 (4.33)	1,304	69.6 (4.33)	1,870	100.0
No	1,268	38.1 (3.34)	2,078	61.9 (3.34)	3,349	100.0
Needed but couldn't afford eyeglasses, past 12 months						
Yes	370	34.3 (6.17)	712	65.7 (6.17)	1,083	100.0
No	1,464	35.6 (2.88)	2,669	64.4 (2.88)	4,136	100.0
Needed but couldn't afford to see a specialist, past 12 months						
Yes	308	29.7 (6.20)	732	70.3 (6.20)	1,040	100.0
No	1,526	36.7 (2.85)	2,650	63.3 (2.85)	4,179	100.0

See footnotes at end of table.

**Table 10. State Medicaid expansion status for adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of access to health care: United States, 2016—continued**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Needed but couldn't afford follow up care, past 12 months						
Yes	281	32.0 (6.34)	602	68.0 (6.34)	883	100.0
No	1,553	36.0 (2.82)	2,780	64.0 (2.82)	4,336	100.0
Prescribed medication, past 12 months						
Yes	661	33.5 (4.24)	1,324	66.5 (4.24)	1,986	100.0
No	1,173	36.5 (3.36)	2,058	63.5 (3.36)	3,233	100.0
Skipped medication doses to save money, past 12 months <sup>9</sup>						
Yes	*	*	*	*	685	100.0
No	1,617	35.9 (2.80)	2,914	64.1 (2.80)	4,534	100.0
Took less medicine to save money, past 12 months <sup>9</sup>						
Yes	*	*	*	*	675	100.0
No	1,616	35.8 (2.79)	2,925	64.2 (2.79)	4,544	100.0
Delayed filling prescription to save money, past 12 months <sup>9</sup>						
Yes	267	31.6 (7.03)	584	68.4 (7.03)	851	100.0
No	1,567	36.1 (2.73)	2,798	63.9 (2.73)	4,368	100.0
Asked for lower cost medication to save money, past 12 months <sup>9</sup>						
Yes	287	30.4 (6.42)	663	69.6 (6.42)	951	100.0
No	1,546	36.5 (2.78)	2,719	63.5 (2.78)	4,269	100.0
Any nonfinancial barrier to care in the past 12 months <sup>10</sup>						
Yes	158	25.2 (6.32)	473	74.8 (6.32)	631	100.0
No	1,676	36.7 (2.78)	2,908	63.3 (2.78)	4,588	100.0
Delayed care because unable to get through on phone, past 12 months						
Yes	*	*	*	*	106	100.0
No	1,787	35.2 (2.63)	3,323	64.8 (2.63)	5,114	100.0
Delayed care because unable to get appointment soon enough, past 12 months						
Yes	*	*	*	*	183	100.0
No	1,752	35.0 (2.67)	3,281	65.0 (2.67)	5,036	100.0
Delayed care because office wait time was too long, past 12 months						
Yes	*	*	*	*	379	100.0
No	1,715	35.6 (2.76)	3,121	64.4 (2.76)	4,840	100.0

See footnotes at end of table.

**Table 10. State Medicaid expansion status for adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of access to health care: United States, 2016—continued**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Delayed care because office wasn't open when could go, past 12 months						
Yes	*	*	*	*	106	100.0
No	1,793	35.3 (2.66)	3,317	64.7 (2.66)	5,114	100.0
Delayed care because didn't have transportation, past 12 months						
Yes	*	*	*	*	222	100.0
No	1,815	36.5 (2.63)	3,179	63.5 (2.63)	4,998	100.0

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>An adult was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. An adult was also defined as uninsured if he or she had only a private plan that paid for one type of service, such as accidents or dental care.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Based on a question that asked respondents, "Is there a place that you usually go to when you are sick or need advice about your health?" Adults who report the emergency department as their usual place of care are defined as having no usual place of care.

<sup>7</sup>Only among adults who have a usual place of care.

<sup>8</sup>Adults were classified as having "Any unmet need" if they reported "yes" to any of the following questions: "During the past 12 months was there any time when [you/someone in the family] needed medical care, but did not get it because [you/the family] could not afford it?" "During the past 12 months, [have/has] [you/anyone in the family] delayed seeking medical care because of worry about the cost." "During the past 12 months, was there any time when [you needed any of the following, but didn't get it because you couldn't afford it: prescription medicines, mental health care or counseling, or dental care?"

<sup>9</sup>Adults who were not prescribed medication in the past 12 months were considered to be a "no" response for this measure.

<sup>10</sup>Adults were classified as having "Any nonfinancial barrier to care" if they reported "yes" to any of the following for delaying care in the past 12 months: couldn't get through on the telephone; couldn't get an appointment soon enough; once you get there, wait too long to see the doctor; the clinic/doctor's office wasn't open when you could get there; didn't have transportation.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

ACKNOWLEDGMENTS: This table is a product of the Division of Health Interview Statistics. This table was produced by Robin A. Cohen and Emily P. Zammiti of the National Center for Health Statistics, Division of Health Interview Statistics.

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**Table 11. Selected measures of access to health care for adults aged 19-64 who were covered by Medicaid at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Adults covered by Medicaid <sup>4</sup> aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	7,671	100.0	2,160	100.0	9,826	100.0
Usual place of care <sup>6</sup>						
Yes	6,709	87.5 (1.54)	1,798	83.2 (3.38)	8,501	86.5 (1.42)
No	962	12.5 (1.54)	362	16.8 (3.38)	1,324	13.5 (1.42)
Kind of place <sup>7†</sup>						
Clinic or health center	2,040	30.4 (2.16)*	741	41.2 (4.05)	2,781	32.7 (1.91)
Doctor's office or HMO	4,399	65.6 (2.26)	1,045	58.2 (4.05)	5,441	64.0 (1.97)
Other place	269	4.0 (1.08)*	11	0.6 (0.50)	280	3.3 (0.86)
Any unmet medical need <sup>8</sup>						
Yes	2,031	26.5 (1.85)	742	34.4 (3.75)	2,772	28.2 (1.67)
No	5,640	73.5 (1.85)	1,418	65.6 (3.75)	7,054	71.8 (1.67)
Didn't get needed medical care due to cost, past 12 months						
Yes	590	7.7 (1.21)	259	12.0 (2.30)	848	8.6 (1.08)
No	7,082	92.3 (1.21)	1,901	88.0 (2.30)	8,978	91.4 (1.08)
Delayed care due to cost, past 12 months						
Yes	551	7.2 (1.20)	253	11.7 (2.28)	804	8.2 (1.06)
No	7,120	92.8 (1.20)	1,906	88.3 (2.28)	9,021	91.8 (1.06)
Needed but couldn't afford prescription medicine, past 12 months						
Yes	672	8.8 (1.14)	286	13.2 (2.07)	958	9.8 (1.00)
No	6,999	91.2 (1.14)	1,874	86.8 (2.07)	8,868	90.2 (1.00)
Needed but couldn't afford mental health care, past 12 months						
Yes	310	4.0 (0.75)	65	3.0 (0.98)	374	3.8 (0.62)
No	7,361	96.0 (0.75)	2,095	97.0 (0.98)	9,451	96.2 (0.62)
Needed but couldn't afford dental care, past 12 months						
Yes	1,111	14.5 (1.41)	427	19.8 (3.03)	1,538	15.7 (1.29)
No	6,560	85.5 (1.41)	1,733	80.2 (3.03)	8,288	84.3 (1.29)
Needed but couldn't afford eyeglasses, past 12 months						
Yes	781	10.2 (1.18)	337	15.6 (2.85)	1,118	11.4 (1.12)
No	6,890	89.8 (1.18)	1,823	84.4 (2.85)	8,708	88.6 (1.12)
Needed but couldn't afford to see a specialist, past 12 months						
Yes	438	5.7 (1.19)	140	6.5 (1.87)	578	5.9 (1.02)
No	7,233	94.3 (1.19)	2,020	93.5 (1.87)	9,248	94.1 (1.02)

See footnotes at end of table.

**Table 11. Selected measures of access to health care for adults aged 19-64 who were covered by Medicaid at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016—continued**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Needed but couldn't afford follow up care, past 12 months						
Yes	238	3.1 (0.77)	53	2.4 (1.04)	290	3.0 (0.64)
No	7,434	96.9 (0.77)	2,107	97.6 (1.04)	9,536	97.0 (0.64)
Prescribed medication, past 12 months						
Yes	4,907	64.0 (2.32)	1,435	66.5 (3.58)	6,340	64.5 (1.99)
No	2,764	36.0 (2.32)	725	33.5 (3.58)	3,486	35.5 (1.99)
Skipped medication doses to save money, past 12 months <sup>9</sup>						
Yes	350	4.6 (0.84)	*	*	491	5.0 (0.81)
No	7,321	95.4 (0.84)	**2,019	**93.5 (2.17)	9,335	95.0 (0.81)
Took less medicine to save money, past 12 months <sup>9</sup>						
Yes	362	4.7 (0.86)	162	7.5 (2.22)	524	5.3 (0.84)
No	7,309	95.3 (0.86)	1,997	92.5 (2.22)	9,302	94.7 (0.84)
Delayed filling prescription to save money, past 12 months <sup>9</sup>						
Yes	481	6.3 (1.17)	202	9.3 (2.61)	683	7.0 (1.08)
No	7,190	93.7 (1.17)	1,958	90.7 (2.61)	9,143	93.0 (1.08)
Asked for lower cost medication to save money, past 12 months <sup>9</sup>						
Yes	758	9.9 (1.24)	211	9.8 (1.68)	969	9.9 (1.04)
No	6,913	90.1 (1.24)	1,949	90.2 (1.68)	8,857	90.1 (1.04)
Any nonfinancial barrier to care in the past 12 months <sup>10</sup>						
Yes	1,346	17.6 (1.83)	422	19.5 (3.04)	1,767	18.0 (1.58)
No	6,325	82.4 (1.83)	1,738	80.5 (3.04)	8,058	82.0 (1.58)
Delayed care because unable to get through on phone, past 12 months						
Yes	314	4.1 (0.73)	*	*	410	4.2 (0.66)
No	7,357	95.9 (0.73)	**2,064	**95.6 (1.55)	9,416	95.8 (0.66)
Delayed care because unable to get appointment soon enough, past 12 months						
Yes	703	9.2 (1.37)	182	8.4 (2.02)	884	9.0 (1.16)
No	6,968	90.8 (1.37)	1,978	91.6 (2.02)	8,941	91.0 (1.16)
Delayed care because office wait time was too long, past 12 months						
Yes	610	7.9 (1.27)	133	6.1 (1.42)	742	7.5 (1.04)
No	7,061	92.1 (1.27)	2,027	93.9 (1.42)	9,084	92.5 (1.04)

See footnotes at end of table.

**Table 11. Selected measures of access to health care for adults aged 19-64 who were covered by Medicaid at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016—continued**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Delayed care because office wasn't open when could go, past 12 months						
Yes	192	2.5 (0.57)	65	3.0 (1.08)	257	2.6 (0.51)
No	7,479	97.5 (0.57)	2,095	97.0 (1.08)	9,569	97.4 (0.51)
Delayed care because didn't have transportation, past 12 months						
Yes	472	6.2 (1.10)	214	9.9 (2.39)	686	7.0 (1.01)
No	7,199	93.8 (1.10)	1,946	90.1 (2.39)	9,139	93.0 (1.01)

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

\*\*Complement of the estimate does not meet NCHS standards of reliability or precision.

<sup>†</sup>Chi-square test significant at  $p < 0.05$ .

<sup>‡</sup>Significantly different from nonexpansion states within "kind of place" at  $p < 0.05$ .

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>Includes Medicaid and only state-sponsored health plans with no premiums or it is not known if a premium is charged. Health insurance classification is based on a hierarchy of mutually exclusive categories in the following order, private, Medicaid, other coverage, and uninsured. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. Therefore, this category excludes adults who were covered by private insurance in addition to their Medicaid coverage.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Based on a question that asked respondents, "Is there a place that you usually go to when you are sick or need advice about your health?" Adults who report the emergency department as their usual place of care are defined as having no usual place of care.

<sup>7</sup>Only among adults who have a usual place of care.

<sup>8</sup>Adults were classified as having "Any unmet need" if they reported "yes" to any of the following questions: "During the past 12 months was there any time when [you/someone in the family] needed medical care, but did not get it because [you/the family] could not afford it?" "During the past 12 months, [have/has] [you/anyone in the family] delayed seeking medical care because of worry about the cost." "During the past 12 months, was there any time when [you needed any of the following, but didn't get it because you couldn't afford it: prescription medicines, mental health care or counseling, or dental care?"

<sup>9</sup>Adults who were not prescribed medication in the past 12 months were considered to be a "no" response for this measure.

<sup>10</sup>Adults were classified as having "Any nonfinancial barrier to care" if they reported "yes" to any of the following for delaying care in the past 12 months: couldn't get through on the telephone; couldn't get an appointment soon enough; once you get there, wait too long to see the doctor; the clinic/doctor's office wasn't open when you could get there; didn't have transportation.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

ACKNOWLEDGMENTS: This table is a product of the Division of Health Interview Statistics. This table was produced by Robin A. Cohen and Emily P. Zammiti of the National Center for Health Statistics, Division of Health Interview Statistics.

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**Table 12. State Medicaid expansion status for adults aged 19-64 who were covered by Medicaid at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of access to health care: United States, 2016**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Adults covered by Medicaid <sup>4</sup> aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	7,671	78.0 (1.56)	2,160	22.0 (1.56)	9,826	100.0
Usual place of care <sup>6</sup>						
Yes	6,709	78.7 (1.67)	1,798	21.3 (1.67)	8,501	100.0
No	962	72.5 (5.10)	362	27.5 (5.10)	1,324	100.0
Kind of place <sup>7</sup>						
Clinic or health center	2,040	73.2 (2.93)	741	26.8 (2.93)	2,781	100.0
Doctor's office or HMO	4,399	80.7 (2.07)	1,045	19.3 (2.07)	5,441	100.0
Other place	**269	**95.9 (3.28)	*	*	280	100.0
Any unmet medical need <sup>8</sup>						
Yes	2,031	73.1 (3.07)	742	26.9 (3.07)	2,772	100.0
No	5,640	79.8 (1.79)	1,418	20.2 (1.79)	7,054	100.0
Didn't get needed medical care due to cost, past 12 months						
Yes	590	69.4 (5.66)	259	30.6 (5.66)	848	100.0
No	7,082	78.8 (1.58)	1,901	21.2 (1.58)	8,978	100.0
Delayed care due to cost, past 12 months						
Yes	551	68.4 (5.76)	253	31.6 (5.76)	804	100.0
No	7,120	78.8 (1.62)	1,906	21.2 (1.62)	9,021	100.0
Needed but couldn't afford prescription medicine, past 12 months						
Yes	672	70.0 (4.67)	286	30.0 (4.67)	958	100.0
No	6,999	78.8 (1.59)	1,874	21.2 (1.59)	8,868	100.0
Needed but couldn't afford mental health care, past 12 months						
Yes	**310	**82.6 (5.43)	*	*	374	100.0
No	7,361	77.7 (1.61)	2,095	22.3 (1.61)	9,451	100.0
Needed but couldn't afford dental care, past 12 months						
Yes	1,111	72.1 (4.10)	427	27.9 (4.10)	1,538	100.0
No	6,560	79.0 (1.64)	1,733	21.0 (1.64)	8,288	100.0
Needed but couldn't afford eyeglasses, past 12 months						
Yes	781	69.7 (5.01)	337	30.3 (5.01)	1,118	100.0
No	6,890	79.0 (1.60)	1,823	21.0 (1.60)	8,708	100.0
Needed but couldn't afford to see a specialist, past 12 months						
Yes	438	75.7 (6.88)	140	24.3 (6.88)	578	100.0
No	7,233	78.0 (1.58)	2,020	22.0 (1.58)	9,248	100.0

See footnotes at end of table.

**Table 12. State Medicaid expansion status for adults aged 19-64 who were covered by Medicaid at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of access to health care: United States, 2016—continued**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Needed but couldn't afford follow up care, past 12 months						
Yes	*	*	*	*	290	100.0
No	7,434	77.8 (1.60)	2,107	22.2 (1.60)	9,536	100.0
Prescribed medication, past 12 months						
Yes	4,907	77.2 (1.99)	1,435	22.8 (1.99)	6,340	100.0
No	2,764	79.1 (2.51)	725	20.9 (2.51)	3,486	100.0
Skipped medication doses to save money, past 12 months <sup>9</sup>						
Yes	*	*	*	*	491	100.0
No	7,321	78.2 (1.59)	2,019	21.8 (1.59)	9,335	100.0
Took less medicine to save money, past 12 months <sup>9</sup>						
Yes	*	*	*	*	524	100.0
No	7,309	78.4 (1.57)	1,997	21.6 (1.57)	9,302	100.0
Delayed filling prescription to save money, past 12 months <sup>9</sup>						
Yes	*	*	*	*	683	100.0
No	7,190	78.5 (1.59)	1,958	21.5 (1.59)	9,143	100.0
Asked for lower cost medication to save money, past 12 months <sup>9</sup>						
Yes	758	78.1 (3.70)	211	21.9 (3.70)	969	100.0
No	6,913	77.9 (1.69)	1,949	22.1 (1.69)	8,857	100.0
Any nonfinancial barrier to care in the past 12 months <sup>10</sup>						
Yes	1,346	76.0 (3.88)	422	24.0 (3.88)	1,767	100.0
No	6,325	78.3 (1.67)	1,738	21.7 (1.67)	8,058	100.0
Delayed care because unable to get through on phone, past 12 months						
Yes	*	*	*	*	410	100.0
No	7,357	78.0 (1.58)	2,064	22.0 (1.58)	9,416	100.0
Delayed care because unable to get appointment soon enough, past 12 months						
Yes	703	79.4 (4.99)	182	20.6 (4.99)	884	100.0
No	6,968	77.8 (1.60)	1,978	22.2 (1.60)	8,941	100.0
Delayed care because office wait time was too long, past 12 months						
Yes	610	82.0 (4.35)	133	18.0 (4.35)	742	100.0
No	7,061	77.6 (1.63)	2,027	22.4 (1.63)	9,084	100.0

See footnotes at end of table.

**Table 12. State Medicaid expansion status for adults aged 19-64 who were covered by Medicaid at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of access to health care: United States, 2016—continued**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Delayed care because office wasn't open when could go, past 12 months						
Yes	*	*	*	*	257	100.0
No	7,479	78.0 (1.60)	2,095	22.0 (1.60)	9,569	100.0
Delayed care because didn't have transportation, past 12 months						
Yes	472	68.6 (6.72)	214	31.4 (6.72)	686	100.0
No	7,199	78.6 (1.62)	1,946	21.4 (1.62)	9,139	100.0

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

\*\*Complement of the estimate does not meet NCHS standards of reliability or precision.

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>Includes Medicaid and only state-sponsored health plans with no premiums or it is not known if a premium is charged. Health insurance classification is based on a hierarchy of mutually exclusive categories in the following order, private, Medicaid, other coverage, and uninsured. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. Therefore, this category excludes adults who were covered by private insurance in addition to their Medicaid coverage.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Based on a question that asked respondents, "Is there a place that you usually go to when you are sick or need advice about your health?" Adults who report the emergency department as their usual place of care are defined as having no usual place of care.

<sup>7</sup>Only among adults who have a usual place of care.

<sup>8</sup>Adults were classified as having "Any unmet need" if they reported "yes" to any of the following questions: "During the past 12 months was there any time when [you/someone in the family] needed medical care, but did not get it because [you/the family] could not afford it?" "During the past 12 months, [have/has] [you/anyone in the family] delayed seeking medical care because of worry about the cost." "During the past 12 months, was there any time when [you needed any of the following, but didn't get it because you couldn't afford it: prescription medicines, mental health care or counseling, or dental care?"

<sup>9</sup>Adults who were not prescribed medication in the past 12 months were considered to be a "no" response for this measure.

<sup>10</sup>Adults were classified as having "Any nonfinancial barrier to care" if they reported "yes" to any of the following for delaying care in the past 12 months: couldn't get through on the telephone; couldn't get an appointment soon enough; once you get there, wait too long to see the doctor; the clinic/doctor's office wasn't open when you could get there; didn't have transportation.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

ACKNOWLEDGMENTS: This table is a product of the Division of Health Interview Statistics. This table was produced by Robin A. Cohen and Emily P. Zammitti of the National Center for Health Statistics, Division of Health Interview Statistics.

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**Table 13. Selected measures of access to health care for adults aged 19-64 who were covered with private health insurance at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Privately insured <sup>4</sup> adults aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	5,408	100.0	4,085	100.0	9,495	100.0
Usual place of care <sup>6</sup>						
Yes	4,626	85.5 (1.69) <sup>†</sup>	3,196	78.2 (2.16)	7,819	82.3 (1.37)
No	782	14.5 (1.69) <sup>†</sup>	889	21.8 (2.16)	1,676	17.7 (1.37)
Kind of place <sup>7</sup>						
Clinic or health center	1,408	30.4 (2.55)	1,130	35.4 (2.81)	2,539	32.5 (1.91)
Doctor's office or HMO	3,060	66.1 (2.70)	1,951	61.1 (2.96)	5,007	64.0 (2.02)
Other place	*	*	114	3.6 (0.98)	273	3.5 (0.84)
Any unmet medical need <sup>8</sup>						
Yes	987	18.2 (1.85) <sup>†</sup>	1,002	24.5 (2.11)	1,993	21.0 (1.40)
No	4,422	81.8 (1.85) <sup>†</sup>	3,083	75.5 (2.11)	7,502	79.0 (1.40)
Didn't get needed medical care due to cost, past 12 months						
Yes	309	5.7 (1.01) <sup>†</sup>	397	9.7 (1.33)	707	7.4 (0.82)
No	5,099	94.3 (1.01) <sup>†</sup>	3,688	90.3 (1.33)	8,787	92.6 (0.82)
Delayed care due to cost, past 12 months						
Yes	469	8.7 (1.21)	427	10.5 (1.38)	896	9.4 (0.91)
No	4,939	91.3 (1.21)	3,658	89.5 (1.38)	8,598	90.6 (0.91)
Needed but couldn't afford prescription medicine, past 12 months						
Yes	340	6.3 (1.18)	341	8.3 (1.34)	682	7.2 (0.91)
No	5,068	93.7 (1.18)	3,745	91.7 (1.34)	8,812	92.8 (0.91)
Needed but couldn't afford mental health care, past 12 months						
Yes	59	1.1 (0.33)	64	1.6 (0.44)	123	1.3 (0.27)
No	5,350	98.9 (0.33)	4,021	98.4 (0.44)	9,372	98.7 (0.27)
Needed but couldn't afford dental care, past 12 months						
Yes	565	10.4 (1.46)	426	10.4 (1.49)	990	10.4 (1.03)
No	4,844	89.6 (1.46)	3,660	89.6 (1.49)	8,504	89.6 (1.03)
Needed but couldn't afford eyeglasses, past 12 months						
Yes	274	5.1 (0.98)	335	8.2 (1.52)	611	6.4 (0.85)
No	5,134	94.9 (0.98)	3,751	91.8 (1.52)	8,884	93.6 (0.85)
Needed but couldn't afford to see a specialist, past 12 months						
Yes	166	3.1 (0.71)	211	5.2 (1.25)	378	4.0 (0.70)
No	5,242	96.9 (0.71)	3,874	94.8 (1.25)	9,116	96.0 (0.70)

See footnotes at end of table.

**Table 13. Selected measures of access to health care for adults aged 19-64 who were covered with private health insurance at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016—continued**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Needed but couldn't afford follow up care, past 12 months						
Yes	170	3.1 (0.76)	164	4.0 (0.98)	334	3.5 (0.61)
No	5,239	96.9 (0.76)	3,921	96.0 (0.98)	9,160	96.5 (0.61)
Prescribed medication, past 12 months						
Yes	3,051	56.4 (2.48)	2,265	55.4 (2.71)	5,316	56.0 (1.80)
No	2,357	43.6 (2.48)	1,820	44.6 (2.71)	4,178	44.0 (1.80)
Skipped medication doses to save money, past 12 months <sup>9</sup>						
Yes	192	3.5 (0.86)	188	4.6 (1.03)	381	4.0 (0.66)
No	5,216	96.5 (0.86)	3,897	95.4 (1.03)	9,114	96.0 (0.66)
Took less medicine to save money, past 12 months <sup>9</sup>						
Yes	219	4.1 (0.96)	181	4.4 (0.88)	400	4.2 (0.66)
No	5,189	95.9 (0.96)	3,904	95.6 (0.88)	9,094	95.8 (0.66)
Delayed filling prescription to save money, past 12 months <sup>9</sup>						
Yes	248	4.6 (0.95) <sup>‡</sup>	358	8.8 (1.37)	608	6.4 (0.81)
No	5,160	95.4 (0.95) <sup>‡</sup>	3,728	91.2 (1.37)	8,886	93.6 (0.81)
Asked for lower cost medication to save money, past 12 months <sup>9</sup>						
Yes	507	9.4 (1.44)	492	12.1 (1.69)	1,001	10.5 (1.12)
No	4,901	90.6 (1.44)	3,593	87.9 (1.69)	8,493	89.5 (1.12)
Any nonfinancial barrier to care in the past 12 months <sup>10</sup>						
Yes	769	14.2 (1.61)	525	12.9 (2.16)	1,294	13.6 (1.32)
No	4,639	85.8 (1.61)	3,560	87.1 (2.16)	8,201	86.4 (1.32)
Delayed care because unable to get through on phone, past 12 months						
Yes	169	3.1 (0.75)	88	2.2 (0.71)	257	2.7 (0.53)
No	5,239	96.9 (0.75)	3,997	97.8 (0.71)	9,238	97.3 (0.53)
Delayed care because unable to get appointment soon enough, past 12 months						
Yes	408	7.5 (1.15)	311	7.6 (1.74)	719	7.6 (1.01)
No	5,000	92.5 (1.15)	3,774	92.4 (1.74)	8,776	92.4 (1.01)
Delayed care because office wait time was too long, past 12 months						
Yes	220	4.1 (0.93)	*	*	448	4.7 (0.96)
No	5,188	95.9 (0.93)	**3,858	**94.4 (1.82)	9,046	95.3 (0.96)

See footnotes at end of table.

**Table 13. Selected measures of access to health care for adults aged 19-64 who were covered with private health insurance at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016—continued**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Delayed care because office wasn't open when could go, past 12 months						
Yes	260	4.8 (0.92)	100	2.4 (0.85)	359	3.8 (0.67)
No	5,148	95.2 (0.92)	3,985	97.6 (0.85)	9,136	96.2 (0.67)
Delayed care because didn't have transportation, past 12 months						
Yes	150	2.8 (0.85)	73	1.8 (0.71)	222	2.3 (0.57)
No	5,259	97.2 (0.85)	4,013	98.2 (0.71)	9,273	97.7 (0.57)

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

\*\*Complement of the estimate does not meet NCHS standards of reliability or precision

<sup>3</sup>Significantly different from nonexpansion states within each level of each measure at  $p < 0.05$ .

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>Includes any comprehensive private insurance plan (including health maintenance and preferred provider organizations). These plans include those obtained through an employer, purchased directly, purchased through local or community programs, or purchased through the Health Insurance Marketplace or a state-based exchange. Private coverage excludes plans that pay for only one type of service, such as accidents or dental care. Health insurance classification is based on a hierarchy of mutually exclusive categories in the following order, private, Medicaid, other coverage, and uninsured. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Based on a question that asked respondents, "Is there a place that you usually go to when you are sick or need advice about your health?" Adults who report the emergency department as their usual place of care are defined as having no usual place of care.

<sup>7</sup>Only among adults who have a usual place of care.

<sup>8</sup>Adults were classified as having "Any unmet need" if they reported "yes" to any of the following questions: "During the past 12 months was there any time when [you/someone in the family] needed medical care, but did not get it because [you/the family] could not afford it?" "During the past 12 months, [have/has] [you/anyone in the family] delayed seeking medical care because of worry about the cost." "During the past 12 months, was there any time when [you needed any of the following, but didn't get it because you couldn't afford it: prescription medicines, mental health care or counseling, or dental care?"

<sup>9</sup>Adults who were not prescribed medication in the past 12 months were considered to be a "no" response for this measure.

<sup>10</sup>Adults were classified as having "Any nonfinancial barrier to care" if they reported "yes" to any of the following for delaying care in the past 12 months: couldn't get through on the telephone; couldn't get an appointment soon enough; once you get there, wait too long to see the doctor; the clinic/doctor's office wasn't open when you could get there; didn't have transportation.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

ACKNOWLEDGMENTS: This table is a product of the Division of Health Interview Statistics. This table was produced by Robin A. Cohen and Emily P. Zammiti of the National Center for Health Statistics, Division of Health Interview Statistics.

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**Table 14. State Medicaid expansion status for adults aged 19-64 who were covered with private health insurance at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of access to health care: United States, 2016**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Uninsured <sup>4</sup> adults aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	5,408	56.9 (2.25)	4,085	43.1 (2.25)	9,495	100.0
Usual place of care <sup>6</sup>						
Yes	4,626	58.6 (2.35)	3,196	41.4 (2.35)	7,819	100.0
No	782	46.2 (4.26)	889	53.8 (4.26)	1,676	100.0
Kind of place <sup>7</sup>						
Clinic or health center	1,408	54.9 (3.83)	1,130	45.1 (3.83)	2,539	100.0
Doctor's office or HMO	3,060	60.5 (2.65)	1,951	39.5 (2.65)	5,007	100.0
Other place	*	*	*	*	273	100.0
Any unmet medical need <sup>8</sup>						
Yes	987	49.0 (3.72)	1,002	51.0 (3.72)	1,993	100.0
No	4,422	58.3 (2.47)	3,083	41.7 (2.47)	7,502	100.0
Didn't get needed medical care due to cost, past 12 months						
Yes	309	43.6 (5.63)	397	56.4 (5.63)	707	100.0
No	5,099	57.9 (2.33)	3,688	42.1 (2.33)	8,787	100.0
Delayed care due to cost, past 12 months						
Yes	469	52.2 (5.07)	427	47.8 (5.07)	896	100.0
No	4,939	57.4 (2.35)	3,658	42.6 (2.35)	8,598	100.0
Needed but couldn't afford prescription medicine, past 12 months						
Yes	340	49.3 (6.09)	341	50.7 (6.09)	682	100.0
No	5,068	56.9 (2.31)	3,745	43.1 (2.31)	8,812	100.0
Needed but couldn't afford mental health care, past 12 months						
Yes	*	*	*	*	123	100.0
No	5,350	56.5 (2.23)	4,021	43.5 (2.23)	9,372	100.0
Needed but couldn't afford dental care, past 12 months						
Yes	565	56.4 (5.29)	426	43.6 (5.29)	990	100.0
No	4,844	56.3 (2.34)	3,660	43.7 (2.34)	8,504	100.0
Needed but couldn't afford eyeglasses, past 12 months						
Yes	274	44.4 (6.91)	335	55.6 (6.91)	611	100.0
No	5,134	57.1 (2.29)	3,751	42.9 (2.29)	8,884	100.0
Needed but couldn't afford to see a specialist, past 12 months						
Yes	*	*	*	*	378	100.0
No	5,242	56.8 (2.27)	3,874	43.2 (2.27)	9,116	100.0

See footnotes at end of table.

**Table 14. State Medicaid expansion status for adults aged 19-64 who were covered with private health insurance at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of access to health care: United States, 2016—continued**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Needed but couldn't afford follow up care, past 12 months						
Yes	*	*	*	*	334	100.0
No	5,239	56.5 (2.27)	3,921	43.5 (2.27)	9,160	100.0
Prescribed medication, past 12 months						
Yes	3,051	56.8 (2.67)	2,265	43.2 (2.67)	5,316	100.0
No	2,357	55.8 (3.14)	1,820	44.2 (3.14)	4,178	100.0
Skipped medication doses to save money, past 12 months <sup>9</sup>						
Yes	*	*	*	*	381	100.0
No	5,216	56.6 (2.28)	3,897	43.4 (2.28)	9,114	100.0
Took less medicine to save money, past 12 months <sup>9</sup>						
Yes	*	*	*	*	400	100.0
No	5,189	56.5 (2.30)	3,904	43.5 (2.30)	9,094	100.0
Delayed filling prescription to save money, past 12 months <sup>9</sup>						
Yes	248	40.4 (6.29)	358	59.6 (6.29)	608	100.0
No	5,160	57.4 (2.30)	3,728	42.6 (2.30)	8,886	100.0
Asked for lower cost medication to save money, past 12 months <sup>9</sup>						
Yes	507	50.1 (5.27)	492	49.9 (5.27)	1,001	100.0
No	4,901	57.1 (2.37)	3,593	42.9 (2.37)	8,493	100.0
Any nonfinancial barrier to care in the past 12 months <sup>10</sup>						
Yes	769	58.7 (5.36)	525	41.3 (5.36)	1,294	100.0
No	4,639	55.9 (2.33)	3,560	44.1 (2.33)	8,201	100.0
Delayed care because unable to get through on phone, past 12 months						
Yes	*	*	*	*	257	100.0
No	5,239	56.0 (2.23)	3,997	44.0 (2.23)	9,238	100.0
Delayed care because unable to get appointment soon enough, past 12 months						
Yes	408	56.0 (7.03)	311	44.0 (7.03)	719	100.0
No	5,000	56.3 (2.27)	3,774	43.7 (2.27)	8,776	100.0
Delayed care because office wait time was too long, past 12 months						
Yes	*	*	*	*	448	100.0
No	5,188	56.6 (2.24)	3,858	43.4 (2.24)	9,046	100.0

See footnotes at end of table.

**Table 14. State Medicaid expansion status for adults aged 19-64 who were covered with private health insurance at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of access to health care: United States, 2016—continued**

Access to health care	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Delayed care because office wasn't open when could go, past 12 months						
Yes	*	*	*	*	359	100.0
No	5,148	55.6 (2.22)	3,985	44.4 (2.22)	9,136	100.0
Delayed care because didn't have transportation, past 12 months						
Yes	*	*	*	*	222	100.0
No	5,259	56.0 (2.23)	4,013	44.0 (2.23)	9,273	100.0

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>Includes any comprehensive private insurance plan (including health maintenance and preferred provider organizations). These plans include those obtained through an employer, purchased directly, purchased through local or community programs, or purchased through the Health Insurance Marketplace or a state-based exchange. Private coverage excludes plans that pay for only one type of service, such as accidents or dental care. Health insurance classification is based on a hierarchy of mutually exclusive categories in the following order, private, Medicaid, other coverage, and uninsured. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Based on a question that asked respondents, "Is there a place that you usually go to when you are sick or need advice about your health?" Adults who report the emergency department as their usual place of care are defined as having no usual place of care.

<sup>7</sup>Only among adults who have a usual place of care.

<sup>8</sup>Adults were classified as having "Any unmet need" if they reported "yes" to any of the following questions: "During the past 12 months was there any time when [you/someone in the family] needed medical care, but did not get it because [you/the family] could not afford it?" "During the past 12 months, [have/has] [you/anyone in the family] delayed seeking medical care because of worry about the cost." "During the past 12 months, was there any time when [you needed any of the following, but didn't get it because you couldn't afford it: prescription medicines, mental health care or counseling, or dental care?"

<sup>9</sup>Adults who were not prescribed medication in the past 12 months were considered to be a "no" response for this measure.

<sup>10</sup>Adults were classified as having "Any nonfinancial barrier to care" if they reported "yes" to any of the following for delaying care in the past 12 months: couldn't get through on the telephone; couldn't get an appointment soon enough; once you get there, wait too long to see the doctor; the clinic/doctor's office wasn't open when you could get there; didn't have transportation.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

ACKNOWLEDGMENTS: This table is a product of the Division of Health Interview Statistics. This table was produced by Robin A. Cohen and Emily P. Zammiti of the National Center for Health Statistics, Division of Health Interview Statistics.

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**Table 15. Selected measures of health care service use for adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016**

Use of selected health care services	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Uninsured <sup>4</sup> adults aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	1,834	100.0	3,382	100.0	5,219	100.0
Seen or talked to any health care professional, past 12 months						
Yes	844	46.0 (4.69)	1,822	53.9 (2.95)	2,667	51.1 (2.54)
No	989	54.0 (4.69)	1,560	46.1 (2.95)	2,552	48.9 (2.54)
Seen or talked to general doctor, past 12 months						
Yes	643	35.0 (4.46)	1,114	33.0 (3.11)	1,758	33.7 (2.56)
No	1,191	65.0 (4.46)	2,267	67.0 (3.11)	3,461	66.3 (2.56)
Seen or talked to nurse practitioner, physician assistant, or midwife, past 12 months						
Yes	238	13.0 (3.32)	366	10.8 (1.97)	605	11.6 (1.74)
No	1,595	87.0 (3.32)	3,016	89.2 (1.97)	4,614	88.4 (1.74)
Seen or talked to medical specialist, past 12 months						
Yes	*	*	207	6.1 (1.28)	302	5.8 (1.05)
No	**1,739	**94.8 (1.82)	3,175	93.9 (1.28)	4,917	94.2 (1.05)
Blood cholesterol check, past 12 months						
Yes	427	23.3 (4.09)	933	27.6 (2.84)	1,363	26.1 (2.33)
No	1,407	76.7 (4.09)	2,449	72.4 (2.84)	3,856	73.9 (2.33)
Blood pressure check, past 12 months						
Yes	939	51.2 (4.23)	1,828	54.1 (3.25)	2,769	53.1 (2.57)
No	894	48.8 (4.23)	1,554	45.9 (3.25)	2,450	46.9 (2.57)
Blood sugar check, past 12 months						
Yes	280	15.3 (3.52)	806	23.8 (3.00)	1,085	20.8 (2.31)
No	1,554	84.7 (3.52)	2,576	76.2 (3.00)	4,134	79.2 (2.31)
Received flu vaccine, past 12 months <sup>6</sup>						
Yes	216	11.8 (2.74)	474	14.0 (1.96)	689	13.2 (1.59)
No	1,618	88.2 (2.74)	2,908	86.0 (1.96)	4,530	86.8 (1.59)
Colon cancer test, past 12 months <sup>7</sup>						
Yes	*	*	*	*	*	*
No	*	*	**849	**95.4 (2.00)	**1,337	**95.6 (1.88)
Mammogram, past 12 months <sup>8</sup>						
Yes	*	*	97	21.2 (6.12)	143	20.9 (5.16)
No	*	*	360	78.8 (6.12)	540	79.1 (5.16)
Hospitalized overnight, past 12 months						
Yes	*	*	246	7.3 (1.41)	304	5.8 (1.05)
No	**1,776	**96.9 (1.46)	3,135	92.7 (1.41)	4,915	94.2 (1.05)

See footnotes at end of table.

**Table 15. Selected measures of health care service use for adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016—continued**

Use of selected health care services	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Visited Emergency Department, past 12 months						
Yes	384	20.9 (3.65)	953	28.2 (2.98)	1,337	25.6 (2.33)
No	1,450	79.1 (3.65)	2,429	71.8 (2.98)	3,883	74.4 (2.33)
Number of Emergency Department visits, past 12 months						
0	1,450	79.1 (3.65)	2,429	71.8 (2.98)	3,883	74.4 (2.33)
1	215	11.7 (2.61)	472	13.9 (1.89)	687	13.2 (1.54)
2 or more	168	9.2 (2.75)	481	14.2 (2.57)	649	12.4 (1.93)
Visited Emergency Department because no other place to go <sup>9</sup>						
Yes	*	*	551	57.8 (5.94)	768	57.5 (4.99)
No	*	*	402	42.2 (5.94)	568	42.5 (4.99)
Visited Emergency Department because doctor's office wasn't open <sup>9</sup>						
Yes	*	*	194	20.4 (3.92)	310	23.2 (3.71)
No	*	*	759	79.6 (3.92)	1,027	76.8 (3.71)
Visited Emergency Department because problem too serious for doctor's office <sup>9</sup>						
Yes	*	*	447	46.9 (6.13)	612	45.8 (5.04)
No	*	*	506	53.1 (6.13)	725	54.2 (5.04)

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

\*\*Complement of the estimate does not meet NCHS standards of reliability or precision

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>An adult was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. An adult was also defined as uninsured if he or she had only a private plan that paid for one type of service, such as accidents or dental care.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Includes vaccination both by shot and nasal spray.

<sup>7</sup>Limited to adults aged 50-64 years.

<sup>8</sup>Limited to female adults aged 50-64 years.

<sup>9</sup>Limited to adults who had a visit to the emergency with at least one emergency department visit in the past 12 months. This measure is regarding the most recent visit to the emergency department.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

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**Table 16. State Medicaid expansion status for adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of health care service use: United States, 2016**

Use of selected health care services	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Uninsured <sup>4</sup> adults aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	1,834	35.1 (2.59)	3,382	64.9 (2.59)	5,219	100.0
Seen or talked to any health care professional, past 12 months						
Yes	844	31.9 (3.55)	1,822	68.1 (3.55)	2,667	100.0
No	989	39.0 (3.73)	1,560	61.0 (3.73)	2,552	100.0
Seen or talked to general doctor, past 12 months						
Yes	643	36.7 (4.69)	1,114	63.3 (4.69)	1,758	100.0
No	1,191	34.6 (3.09)	2,267	65.4 (3.09)	3,461	100.0
Seen or talked to nurse practitioner, physician assistant, or midwife, past 12 months						
Yes	*	*	*	*	605	100.0
No	1,595	34.8 (2.69)	3,016	65.2 (2.69)	4,614	100.0
Seen or talked to medical specialist, past 12 months						
Yes	*	*	*	*	302	100.0
No	1,739	35.5 (2.71)	3,175	64.5 (2.71)	4,917	100.0
Blood cholesterol check, past 12 months						
Yes	427	30.1 (5.16)	933	69.9 (5.16)	1,363	100.0
No	1,407	35.2 (2.82)	2,449	64.8 (2.82)	3,856	100.0
Blood pressure check, past 12 months						
Yes	939	34.1 (3.49)	1,828	65.9 (3.49)	2,769	100.0
No	894	36.7 (3.70)	1,554	63.3 (3.70)	2,450	100.0
Blood sugar check, past 12 months						
Yes	280	26.2 (5.75)	806	73.8 (5.75)	1,085	100.0
No	1,554	38.1 (2.90)	2,576	61.9 (2.90)	4,134	100.0
Received flu vaccine, past 12 months <sup>6</sup>						
Yes	216	31.9 (6.38)	474	68.1 (6.38)	689	100.0
No	1,618	36.4 (2.81)	2,908	63.6 (2.81)	4,530	100.0
Colon cancer test, past 12 months <sup>7</sup>						
Yes	*	*	*	*	62	100.0
No	491	37.3 (4.78)	849	62.7 (4.78)	1,337	100.0
Mammogram, past 12 months <sup>8</sup>						
Yes	*	*	*	*	143	100.0
No	*	*	*	*	540	100.0
Hospitalized overnight, past 12 months						
Yes	*	*	*	*	304	100.0
No	1,776	36.1 (2.72)	3,135	63.9 (2.72)	4,915	100.0

See footnotes at end of table.

**Table 16. State Medicaid expansion status for adults aged 19-64 who were uninsured at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of health care service use: United States, 2016—continued**

Use of selected health care services	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Visited Emergency Department, past 12 months						
Yes	384	28.9 (4.55)	953	71.1 (4.55)	1,337	100.0
No	1,450	37.6 (3.21)	2,429	62.4 (3.21)	3,883	100.0
Number of Emergency Department visits, past 12 months						
0	1,450	37.6 (3.21)	2,429	62.4 (3.21)	3,883	100.0
1	215	31.5 (5.85)	472	68.5 (5.85)	687	100.0
2 or more	168	26.0 (7.00)	481	74.0 (7.00)	649	100.0
Visited Emergency Department because no other place to go <sup>9</sup>						
Yes	218	28.5 (5.67)	551	71.5 (5.67)	768	100.0
No	*	*	*	*	568	100.0
Visited Emergency Department because doctor's office wasn't open <sup>9</sup>						
Yes	*	*	*	*	310	100.0
No	269	26.6 (5.30)	759	73.4 (5.30)	1,027	100.0
Visited Emergency Department because problem too serious for doctor's office <sup>9</sup>						
Yes	165	27.1 (6.33)	447	72.9 (6.33)	612	100.0
No	219	30.4 (6.24)	506	69.6 (6.24)	725	100.0

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WV.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>An adult was defined as uninsured if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. An adult was also defined as uninsured if he or she had only a private plan that paid for one type of service, such as accidents or dental care.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Includes vaccination both by shot and nasal spray.

<sup>7</sup>Limited to adults aged 50-64 years.

<sup>8</sup>Limited to female adults aged 50-64 years.

<sup>9</sup>Limited to adults who had a visit to the emergency with at least one emergency department visit in the past 12 months. This measure is regarding the most recent visit to the emergency department.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

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**Table 17. Selected measures of health care service use for adults aged 19-64 who were covered by Medicaid at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016**

Use of selected health care services	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Adults covered by Medicaid <sup>4</sup> aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	7,671	100.0	2,160	100.0	9,826	100.0
Seen or talked to any health care professional, past 12 months						
Yes	6,438	83.9 (1.90) <sup>‡</sup>	1,961	90.8 (1.78)	8,395	85.4 (1.53)
No	1,233	16.1 (1.90) <sup>‡</sup>	199	9.2 (1.78)	1,430	14.6 (1.53)
Seen or talked to general doctor, past 12 months						
Yes	5,287	68.9 (2.27)	1,343	62.2 (4.07)	6,625	67.4 (1.99)
No	2,384	31.1 (2.27)	817	37.8 (4.07)	3,201	32.6 (1.99)
Seen or talked to nurse practitioner, physician assistant, or midwife, past 12 months						
Yes	1,798	23.4 (1.90)	550	25.5 (3.19)	2,347	23.9 (1.64)
No	5,873	76.6 (1.90)	1,610	74.5 (3.19)	7,479	76.1 (1.64)
Seen or talked to medical specialist, past 12 months						
Yes	1,509	19.7 (1.58)	521	24.1 (3.15)	2,030	20.7 (1.42)
No	6,162	80.3 (1.58)	1,639	75.9 (3.15)	7,796	79.3 (1.42)
Blood cholesterol check, past 12 months						
Yes	4,298	56.0 (2.44)	1,327	61.4 (4.07)	5,623	57.2 (2.08)
No	3,373	44.0 (2.44)	833	38.6 (4.07)	4,203	42.8 (2.08)
Blood pressure check, past 12 months						
Yes	6,288	82.0 (2.01)	1,897	87.8 (2.25)	8,182	83.3 (1.66)
No	1,383	18.0 (2.01)	263	12.2 (2.25)	1,644	16.7 (1.66)
Blood sugar check, past 12 months						
Yes	3,004	39.2 (2.22) <sup>‡</sup>	1,138	52.7 (4.04)	4,138	42.1 (1.97)
No	4,667	60.8 (2.22) <sup>‡</sup>	1,022	47.3 (4.04)	5,688	57.9 (1.97)
Received flu vaccine, past 12 months <sup>6</sup>						
Yes	2,571	33.5 (2.19)	762	35.3 (3.93)	3,332	33.9 (1.91)
No	5,100	66.5 (2.19)	1,398	64.7 (3.93)	6,494	66.1 (1.91)
Colon cancer test, past 12 months <sup>7</sup>						
Yes	399	24.3 (4.09)	*	*	533	26.6 (3.65)
No	1,239	75.7 (4.09)	*	*	1,468	73.4 (3.65)
Mammogram, past 12 months <sup>8</sup>						
Yes	375	45.5 (5.43)	*	*	489	48.2 (4.84)
No	450	54.5 (5.43)	*	*	525	51.8 (4.84)
Hospitalized overnight, past 12 months						
Yes	890	11.6 (1.36)	362	16.8 (2.58)	1,252	12.7 (1.21)
No	6,781	88.4 (1.36)	1,798	83.2 (2.58)	8,574	87.3 (1.21)

See footnotes at end of table.

**Table 17. Selected measures of health care service use for adults aged 19-64 who were covered by Medicaid at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016—continued**

Use of selected health care services	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Visited Emergency Department, past 12 months						
Yes	2,699	35.2 (2.14)	936	43.4 (3.65)	3,635	37.0 (1.86)
No	4,972	64.8 (2.14)	1,223	56.6 (3.65)	6,191	63.0 (1.86)
Number of Emergency Department visits, past 12 months						
0	4,972	64.8 (2.14)	1,223	56.6 (3.65)	6,191	63.0 (1.86)
1	1,349	17.6 (1.67)	425	19.7 (3.14)	1,774	18.1 (1.47)
2 or more	1,350	17.6 (1.64)	511	23.7 (3.10)	1,861	18.9 (1.46)
Visited Emergency Department because no other place to go <sup>9</sup>						
Yes	1,058	39.2 (3.51) <sup>‡</sup>	500	53.4 (6.03)	1,559	42.9 (3.09)
No	1,641	60.8 (3.51) <sup>‡</sup>	436	46.6 (6.03)	2,076	57.1 (3.09)
Visited Emergency Department because doctor's office wasn't open <sup>9</sup>						
Yes	1,326	49.1 (3.62)	400	42.7 (6.19)	1,725	47.4 (3.12)
No	1,373	50.9 (3.62)	537	57.3 (6.19)	1,911	52.6 (3.12)
Visited Emergency Department because problem too serious for doctor's office <sup>9</sup>						
Yes	1,368	50.7 (3.82)	351	37.5 (5.67)	1,716	47.2 (3.19)
No	1,332	49.3 (3.82)	586	62.5 (5.67)	1,919	52.8 (3.19)

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

<sup>‡</sup>Significantly different from nonexpansion states within each level of each measure at  $p < 0.05$ .

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>Includes Medicaid and only state-sponsored health plans with no premiums or it is not known if a premium is charged. Health insurance classification is based on a hierarchy of mutually exclusive categories in the following order, private, Medicaid, other coverage, and uninsured. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. Therefore, this category excludes adults who were covered by private insurance in addition to their Medicaid coverage.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Includes vaccination both by shot and nasal spray.

<sup>7</sup>Limited to adults aged 50-64 years.

<sup>8</sup>Limited to female adults aged 50-64 years.

<sup>9</sup>Limited to adults who had a visit to the emergency with at least one emergency department visit in the past 12 months. This measure is regarding the most recent visit to the emergency department.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

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**Table 18. State Medicaid expansion status for adults aged 19-64 who were covered by Medicaid at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of health care service use: United States, 2016**

Use of selected health care services	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Adults covered by Medicaid <sup>4</sup> aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	7,671	78.0 (1.56)	2,160	22.0 (1.56)	9,826	100.0
Seen or talked to any health care professional, past 12 months						
Yes	6,438	76.5 (1.76)	1,961	23.5 (1.76)	8,395	100.0
No	1,233	86.0 (2.88)	199	14.0 (2.88)	1,430	100.0
Seen or talked to general doctor, past 12 months						
Yes	5,287	79.5 (1.82)	1,343	20.5 (1.82)	6,625	100.0
No	2,384	74.2 (3.14)	817	25.8 (3.14)	3,201	100.0
Seen or talked to nurse practitioner, physician assistant, or midwife, past 12 months						
Yes	1,798	76.4 (2.98)	550	23.6 (2.98)	2,347	100.0
No	5,873	78.3 (1.85)	1,610	21.7 (1.85)	7,479	100.0
Seen or talked to medical specialist, past 12 months						
Yes	1,509	74.2 (3.27)	521	25.8 (3.27)	2,030	100.0
No	6,162	78.9 (1.77)	1,639	21.1 (1.77)	7,796	100.0
Blood cholesterol check, past 12 months						
Yes	4,298	76.2 (2.28)	1,327	23.8 (2.28)	5,623	100.0
No	3,373	80.0 (2.32)	833	20.0 (2.32)	4,203	100.0
Blood pressure check, past 12 months						
Yes	6,288	76.7 (1.76)	1,897	23.3 (1.76)	8,182	100.0
No	1,383	84.0 (3.11)	263	16.0 (3.11)	1,644	100.0
Blood sugar check, past 12 months						
Yes	3,004	72.6 (2.78)	1,138	27.4 (2.78)	4,138	100.0
No	4,667	82.1 (1.77)	1,022	17.9 (1.77)	5,688	100.0
Received flu vaccine, past 12 months <sup>6</sup>						
Yes	2,571	77.0 (2.81)	762	23.0 (2.81)	3,332	100.0
No	5,100	78.4 (1.93)	1,398	21.6 (1.93)	6,494	100.0
Colon cancer test, past 12 months <sup>7</sup>						
Yes	399	75.0 (6.43)	133	25.0 (6.43)	533	100.0
No	1,239	84.6 (2.77)	225	15.4 (2.77)	1,468	100.0
Mammogram, past 12 months <sup>8</sup>						
Yes	375	76.7 (5.64)	113	23.3 (5.64)	489	100.0
No	**450	**85.6 (4.74)	*	*	525	100.0
Hospitalized overnight, past 12 months						
Yes	890	71.0 (4.40)	362	29.0 (4.40)	1,252	100.0
No	6,781	79.0 (1.60)	1,798	21.0 (1.60)	8,574	100.0

See footnotes at end of table.

**Table 18. State Medicaid expansion status for adults aged 19-64 who were covered by Medicaid at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of health care service use: United States, 2016—continued**

Use of selected health care services	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Visited Emergency Department, past 12 months						
Yes	2,699	74.1 (2.53)	936	25.9 (2.53)	3,635	100.0
No	4,972	80.1 (1.94)	1,223	19.9 (1.94)	6,191	100.0
Number of Emergency Department visits, past 12 months						
0	4,972	80.1 (1.94)	1,223	19.9 (1.94)	6,191	100.0
1	1,349	75.9 (3.65)	425	24.1 (3.65)	1,774	100.0
2 or more	1,350	72.3 (3.67)	511	27.7 (3.67)	1,861	100.0
Visited Emergency Department because no other place to go <sup>9</sup>						
Yes	1,058	67.6 (4.48)	500	32.4 (4.48)	1,559	100.0
No	1,641	78.8 (3.02)	436	21.2 (3.02)	2,076	100.0
Visited Emergency Department because doctor's office wasn't open <sup>9</sup>						
Yes	1,326	76.7 (3.89)	400	23.3 (3.89)	1,725	100.0
No	1,373	71.7 (3.60)	537	28.3 (3.60)	1,911	100.0
Visited Emergency Department because problem too serious for doctor's office <sup>9</sup>						
Yes	1,368	79.2 (3.43)	351	20.8 (3.43)	1,716	100.0
No	1,332	69.0 (3.94)	586	31.0 (3.94)	1,919	100.0

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

\*\*Complement of the estimate does not meet NCHS standards of reliability or precision

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>Includes Medicaid and only state-sponsored health plans with no premiums or it is not known if a premium is charged. Health insurance classification is based on a hierarchy of mutually exclusive categories in the following order, private, Medicaid, other coverage, and uninsured. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy. Therefore, this category excludes adults who were covered by private insurance in addition to their Medicaid coverage

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Includes vaccination both by shot and nasal spray.

<sup>7</sup>Limited to adults aged 50-64 years.

<sup>8</sup>Limited to female adults aged 50-64 years.

<sup>9</sup>Limited to adults who had a visit to the emergency with at least one emergency department visit in the past 12 months. This measure is regarding the most recent visit to the emergency department.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

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**Table 19. Selected measures of health care service use for adults aged 19-64 who were covered with private health insurance at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016**

Use of selected health care services	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Privately insured <sup>4</sup> adults aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	5,408	100.0	4,085	100.0	9,495	100.0
Seen or talked to any health care professional, past 12 months						
Yes	4,514	83.5 (2.06)	3,238	79.3 (2.20)	7,750	81.6 (1.53)
No	895	16.5 (2.06)	847	20.7 (2.20)	1,744	18.4 (1.53)
Seen or talked to general doctor, past 12 months						
Yes	3,666	67.8 (2.43) <sup>†</sup>	2,436	59.6 (2.75)	6,098	64.2 (1.82)
No	1,743	32.2 (2.43) <sup>†</sup>	1,649	40.4 (2.75)	3,397	35.8 (1.82)
Seen or talked to nurse practitioner, physician assistant, or midwife, past 12 months						
Yes	1,502	27.8 (2.22) <sup>†</sup>	804	19.7 (1.98)	2,301	24.2 (1.53)
No	3,907	72.2 (2.22) <sup>†</sup>	3,281	80.3 (1.98)	7,193	75.8 (1.53)
Seen or talked to medical specialist, past 12 months						
Yes	1,110	20.5 (1.98) <sup>†</sup>	536	13.1 (1.79)	1,642	17.3 (1.35)
No	4,298	79.5 (1.98) <sup>†</sup>	3,549	86.9 (1.79)	7,853	82.7 (1.35)
Blood cholesterol check, past 12 months						
Yes	2,593	47.9 (2.81)	1,763	43.2 (2.91)	4,356	45.9 (2.08)
No	2,816	52.1 (2.81)	2,322	56.8 (2.91)	5,139	54.1 (2.08)
Blood pressure check, past 12 months						
Yes	4,332	80.1 (2.26)	3,179	77.8 (2.13)	7,511	79.1 (1.60)
No	1,076	19.9 (2.26)	907	22.2 (2.13)	1,984	20.9 (1.60)
Blood sugar check, past 12 months						
Yes	1,827	33.8 (2.78)	1,142	27.9 (2.37)	2,967	31.3 (1.92)
No	3,581	66.2 (2.78)	2,944	72.1 (2.37)	6,528	68.7 (1.92)
Received flu vaccine, past 12 months <sup>6</sup>						
Yes	1,830	33.8 (2.37) <sup>†</sup>	1,058	25.9 (2.22)	2,883	30.4 (1.63)
No	3,578	66.2 (2.37) <sup>†</sup>	3,027	74.1 (2.22)	6,611	69.6 (1.63)
Colon cancer test, past 12 months <sup>7</sup>						
Yes	167	18.1 (4.40)	186	24.0 (5.06)	354	20.9 (3.31)
No	755	81.9 (4.40)	590	76.0 (5.06)	1,343	79.1 (3.31)
Mammogram, past 12 months <sup>8</sup>						
Yes	285	60.2 (7.00)	243	51.5 (6.67)	529	55.9 (4.87)
No	189	39.8 (7.00)	229	48.5 (6.67)	418	44.1 (4.87)
Hospitalized overnight, past 12 months						
Yes	387	7.2 (1.30)	242	5.9 (1.28)	630	6.6 (0.93)
No	5,021	92.8 (1.30)	3,843	94.1 (1.28)	8,865	93.4 (0.93)

See footnotes at end of table.

**Table 19. Selected measures of health care service use for adults aged 19-64 who were covered with private health insurance at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: United States, 2016—continued**

Use of selected health care services	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup> (standard error)
Visited Emergency Department, past 12 months						
Yes	950	17.6 (1.77)	800	19.6 (2.12)	1,751	18.4 (1.36)
No	4,459	82.4 (1.77)	3,285	80.4 (2.12)	7,744	81.6 (1.36)
Number of Emergency Department visits, past 12 months						
0	4,459	82.4 (1.77)	3,285	80.4 (2.12)	7,744	81.6 (1.36)
1	609	11.3 (1.53)	583	14.3 (1.78)	1,193	12.6 (1.17)
2 or more	341	6.3 (1.02)	217	5.3 (1.33)	557	5.9 (0.81)
Visited Emergency Department because no other place to go <sup>9</sup>						
Yes	379	40.0 (5.50)	326	40.8 (6.44)	707	40.4 (4.20)
No	570	60.0 (5.50)	473	59.2 (6.44)	1,044	59.6 (4.20)
Visited Emergency Department because doctor's office wasn't open <sup>9</sup>						
Yes	394	41.5 (5.33)	335	41.9 (5.79)	730	41.7 (3.92)
No	556	58.5 (5.33)	464	58.1 (5.79)	1,021	58.3 (3.92)
Visited Emergency Department because problem too serious for doctor's office <sup>9</sup>						
Yes	486	51.2 (5.74)	424	53.0 (6.07)	912	52.1 (4.15)
No	463	48.8 (5.74)	376	47.0 (6.07)	839	47.9 (4.15)

<sup>\*</sup>Significantly different from nonexpansion states within each level of each measure at  $p < 0.05$ .

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>Includes any comprehensive private insurance plan (including health maintenance and preferred provider organizations). These plans include those obtained through an employer, purchased directly, purchased through local or community programs, or purchased through the Health Insurance Marketplace or a state-based exchange. Private coverage excludes plans that pay for only one type of service, such as accidents or dental care. Health insurance classification is based on a hierarchy of mutually exclusive categories in the following order, private, Medicaid, other coverage, and uninsured. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Includes vaccination both by shot and nasal spray.

<sup>7</sup>Limited to adults aged 50-64 years.

<sup>8</sup>Limited to female adults aged 50-64 years.

<sup>9</sup>Limited to adults who had a visit to the emergency with at least one emergency department visit in the past 12 months. This measure is regarding the most recent visit to the emergency department.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

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**Table 20. State Medicaid expansion status for adults aged 19-64 who were covered with private health insurance at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of health care service use: United States, 2016**

Use of selected health care services	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Privately insured <sup>4</sup> adults aged 19-64 years with family incomes less than or equal to 138% FPL <sup>5</sup>	5,408	56.9 (2.25)	4,085	43.1 (2.25)	9,495	100.0
Seen or talked to any health care professional, past 12 months						
Yes	4,514	57.5 (2.43)	3,238	42.5 (2.43)	7,750	100.0
No	895	50.6 (4.51)	847	49.4 (4.51)	1,744	100.0
Seen or talked to general doctor, past 12 months						
Yes	3,666	59.5 (2.53)	2,436	40.5 (2.53)	6,098	100.0
No	1,743	50.8 (3.49)	1,649	49.2 (3.49)	3,397	100.0
Seen or talked to nurse practitioner, physician assistant, or midwife, past 12 months						
Yes	1,502	64.5 (3.47)	804	35.5 (3.47)	2,301	100.0
No	3,907	53.7 (2.50)	3,281	46.3 (2.50)	7,193	100.0
Seen or talked to medical specialist, past 12 months						
Yes	1,110	66.8 (4.11)	536	33.2 (4.11)	1,642	100.0
No	4,298	54.0 (2.44)	3,549	46.0 (2.44)	7,853	100.0
Blood cholesterol check, past 12 months						
Yes	2,593	59.5 (2.97)	1,763	40.5 (2.97)	4,356	100.0
No	2,816	54.7 (2.95)	2,322	45.3 (2.95)	5,139	100.0
Blood pressure check, past 12 months						
Yes	4,332	57.1 (2.42)	3,179	42.9 (2.42)	7,511	100.0
No	1,076	53.7 (4.23)	907	46.3 (4.23)	1,984	100.0
Blood sugar check, past 12 months						
Yes	1,827	61.2 (3.30)	1,142	38.8 (3.30)	2,967	100.0
No	3,581	54.5 (2.73)	2,944	45.5 (2.73)	6,528	100.0
Received flu vaccine, past 12 months <sup>6</sup>						
Yes	1,830	62.7 (3.31)	1,058	37.3 (3.31)	2,883	100.0
No	3,578	53.5 (2.58)	3,027	46.5 (2.58)	6,611	100.0
Colon cancer test, past 12 months <sup>7</sup>						
Yes	*	*	*	*	354	100.0
No	755	55.6 (4.77)	590	44.4 (4.77)	1,343	100.0
Mammogram, past 12 months <sup>8</sup>						
Yes	285	54.3 (6.84)	243	45.7 (6.84)	529	100.0
No	*	*	*	*	418	100.0
Hospitalized overnight, past 12 months						
Yes	387	61.4 (6.88)	242	38.6 (6.88)	630	100.0
No	5,021	56.6 (2.34)	3,843	43.4 (2.34)	8,865	100.0

See footnotes at end of table.

**Table 20. State Medicaid expansion status for adults aged 19-64 who were covered with private health insurance at the time of interview with family incomes less than or equal to 138 percent of the federal poverty level, by selected measures of health care service use: United States, 2016—continued**

Use of selected health care services	Number of persons in expansion states <sup>1</sup> (in thousands)	Percent in expansion states <sup>1</sup> (standard error)	Number of persons in nonexpansion states <sup>2</sup> (in thousands)	Percent in nonexpansion states <sup>2</sup> (standard error)	Number of persons in all states <sup>3</sup> (in thousands)	Percent in all states <sup>3</sup>
Visited Emergency Department, past 12 months						
Yes	950	53.6 (4.27)	800	46.4 (4.27)	1,751	100.0
No	4,459	56.9 (2.37)	3,285	43.1 (2.37)	7,744	100.0
Number of Emergency Department visits, past 12 months						
0	4,459	56.9 (2.37)	3,285	43.1 (2.37)	7,744	100.0
1	609	50.4 (5.15)	583	49.6 (5.15)	1,193	100.0
2 or more	*	*	*	*	557	100.0
Visited Emergency Department because no other place to go <sup>9</sup>						
Yes	379	53.0 (6.94)	326	47.0 (6.94)	707	100.0
No	570	53.9 (5.39)	473	46.1 (5.39)	1,044	100.0
Visited Emergency Department because doctor's office wasn't open <sup>9</sup>						
Yes	394	53.1 (6.06)	335	46.9 (6.06)	730	100.0
No	556	53.6 (5.68)	464	46.4 (5.68)	1,021	100.0
Visited Emergency Department because problem too serious for doctor's office <sup>9</sup>						
Yes	486	52.6 (5.67)	424	47.4 (5.67)	912	100.0
No	463	54.4 (6.31)	376	45.6 (6.31)	839	100.0

\*Estimate is not shown, as it does not meet NCHS standards of reliability or precision.

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>Excludes those living in AK (only for those interviewed from January through February 2016), LA (only for those interviewed from July through December 2016), and MT (only for those interviewed from January through June 2016). These periods reflect the 6 months following the date of state's Medicaid expansion.

<sup>4</sup>Includes any comprehensive private insurance plan (including health maintenance and preferred provider organizations). These plans include those obtained through an employer, purchased directly, purchased through local or community programs, or purchased through the Health Insurance Marketplace or a state-based exchange. Private coverage excludes plans that pay for only one type of service, such as accidents or dental care. Health insurance classification is based on a hierarchy of mutually exclusive categories in the following order, private, Medicaid, other coverage, and uninsured. Adults with more than one type of health insurance were assigned to the first appropriate category in the hierarchy.

<sup>5</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

<sup>6</sup>Includes vaccination both by shot and nasal spray.

<sup>7</sup>Limited to adults aged 50-64 years.

<sup>8</sup>Limited to female adults aged 50-64 years.

<sup>9</sup>Limited to adults who had a visit to the emergency with at least one emergency department visit in the past 12 months. This measure is regarding the most recent visit to the emergency department.

NOTES: This analysis excluded those who were covered by Medicare, had only military health care, had only Indian Health Service, were noncitizens, had Supplemental Social Security income and were pregnant sample adult females. Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family and Sample Adult Core components.

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**Table I. Impact of sample exclusion criteria on sample sizes and population estimates for persons of all ages, by state Medicaid expansion status: National Health Interview Survey Person File, 2016**

Selected characteristics for sample exclusion	Sample size in expansion states <sup>1</sup>	Number of persons in expansion states <sup>1</sup> (in thousands)	Sample size in nonexpansion states <sup>2</sup>	Number of persons in nonexpansion states <sup>2</sup> (in thousands)
Total	57,375	195,268	38,141	120,927
Exclude those missing health insurance coverage status	56,789	193,156	37,789	119,643
Exclude those missing information on Supplemental Social Security income	56,717	192,721	37,441	118,239
Exclude those missing information on US citizenship status	57,210	194,617	38,053	120,586
Exclude those covered by Medicare	46,907	163,053	31,317	101,122
Exclude sample adults who were pregnant at the time of interview	57,229	194,781	38,034	120,595
Exclude those who receive Supplemental Social Security income	56,006	190,606	37,272	118,141
Exclude those who are covered only by a military health plan	56,407	192,491	37,192	117,812
Exclude those who are covered only by Indian Health Service	57,281	195,096	38,009	120,626
Exclude those who have incomes above 400% FPL <sup>3</sup>	34,325	115,686	25,027	78,511
Exclude those who are not US citizens	53,804	181,228	35,834	112,509
Total after excluding sample for reasons above	22,989	78,258	16,706	52,480

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau’s poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

NOTES: Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family Core component.

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**Table II. Impact of sample exclusion criteria on sample sizes and population estimates for persons of all ages with family incomes less than or equal to 400 percent of the federal poverty level, by state Medicaid expansion status: National Health Interview Survey Person File, 2016**

Selected characteristics for sample exclusion	Sample size in expansion states <sup>1</sup>	Number of persons in expansion states <sup>1</sup> (in thousands)	Sample size in nonexpansion states <sup>2</sup>	Number of persons in nonexpansion states <sup>2</sup> (in thousands)
Total of persons of all ages with incomes less than or equal to 400% FPL <sup>3</sup>	34,325	115,686	25,027	78,511
Exclude those missing health insurance coverage status	33,863	114,020	24,762	77,547
Exclude those missing information on Supplemental Social Security income	33,924	114,175	24,618	76,966
Exclude those missing information on US citizenship status	34,201	115,192	24,963	78,253
Exclude those covered by Medicare	27,627	95,322	20,308	64,861
Exclude sample adults who were pregnant at the time of interview	34,228	115,346	24,947	78,280
Exclude those who receive Supplemental Social Security income	33,076	111,442	24,208	75,872
Exclude those who are covered only by a military health plan	33,722	113,945	24,409	76,547
Exclude those who are covered only by Indian Health Service	34,244	115,532	24,910	78,241
Exclude those who are not US citizens	31,577	104,871	23,066	71,536
Total after excluding sample for reasons above	22,989	78,258	16,706	52,480

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau’s poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

NOTES: Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family Core component.

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**Table III. Impact of sample exclusion criteria on sample sizes and population estimates for adults aged 19-64 with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: National Health Interview Survey Person File, 2016**

Selected characteristics for sample exclusion	Sample size in expansion states <sup>1</sup>	Number of persons in expansion states <sup>1</sup> (in thousands)	Sample size in nonexpansion states <sup>2</sup>	Number of persons in nonexpansion states <sup>2</sup> (in thousands)
Total of adults aged 19-64 with incomes less than or equal to 138% FPL <sup>3</sup>	6,158	22,005	4,604	15,165
Exclude those missing health insurance coverage status	6,016	21,493	4,521	14,865
Exclude those missing information on Supplemental Social Security income	6,069	21,685	4,525	14,881
Exclude those missing information on US citizenship status	6,123	21,871	4,590	15,110
Exclude those covered by Medicare	5,634	20,332	4,177	13,895
Exclude sample adults who were pregnant at the time of interview	6,128	21,907	4,561	15,028
Exclude those who receive Supplemental Social Security income	5,607	20,115	4,248	14,035
Exclude those who are covered only by a military health plan	6,074	21,729	4,519	14,892
Exclude those who are covered only by Indian Health Service	6,133	21,965	4,567	15,079
Exclude those who are not US citizens	5,122	17,801	3,805	12,357
Total after excluding sample for reasons above	3,950	13,886	2,890	9,502

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

NOTES: Number of persons rounded to the nearest 1,000. The sum of number of persons within the subpopulations may not add up to the total due to rounding. Estimates are based on household interviews of a sample of the civilian noninstitutionalized U.S. population.

SOURCE: NCHS, National Health Interview Survey, 2016, Family Core component.

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**Table IV. Impact of sample exclusion criteria on sample sizes and population estimates for adults aged 19-64 with family incomes less than or equal to 138 percent of the federal poverty level, by state Medicaid expansion status: National Health Interview Survey Sample Adult File, 2016**

Selected characteristics for sample exclusion	Sample size in expansion states <sup>1</sup>	Number of persons in expansion states <sup>1</sup> (in thousands)	Sample size in nonexpansion states <sup>2</sup>	Number of persons in nonexpansion states <sup>2</sup> (in thousands)
Total of adults aged 19-64 with incomes less than or equal to 138% FPL <sup>3</sup>	3,134	23,280	2,289	15,342
Exclude those missing health insurance coverage status	3,101	22,913	2,267	15,182
Exclude those missing information on Supplemental Social Security income	3,122	23,220	2,280	15,265
Exclude those missing information on US citizenship status	3,129	23,205	2,287	15,306
Exclude those covered by Medicare	2,801	21,441	2,017	13,870
Exclude sample adults who were pregnant at the time of interview	3,105	22,997	2,247	14,988
Exclude those who receive Supplemental Social Security income	2,770	21,091	2,073	14,070
Exclude those who are covered only by a military health plan	3,079	22,936	2,239	15,030
Exclude those who are covered only by Indian Health Service	3,125	23,239	2,274	15,242
Exclude those who are not US citizens	2,714	18,788	1,999	12,578
Total after excluding sample for reasons above	2,027	14,564	1,476	9,459

<sup>1</sup>Medicaid expansion states include: AK (only those interviewed from March through December 2016), AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, MT (only those interviewed from July through December 2016), NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.

<sup>2</sup>Medicaid nonexpansion states include: AL, FL, GA, ID, KS, LA (only those interviewed from January through June 2016), ME, MS, MO, NE, NC, OK, SC, SD, TN, TX, UT, VA, WI, and WY.

<sup>3</sup>FPL is federal poverty level, based on family income and family size, using the U.S. Census Bureau's poverty thresholds. The 2016 imputed income files were used to help create the poverty variable, and this variable is based on reported and imputed family income. For more information see: [https://www.cdc.gov/nchs/nhis/nhis\\_2016\\_data\\_release.htm](https://www.cdc.gov/nchs/nhis/nhis_2016_data_release.htm).

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SOURCE: NCHS, National Health Interview Survey, 2016, Family Core and Sample Adult components.

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