

Estimated vaccination coverage with selected vaccines and doses* among adolescents aged 13–17 years,† by HHS Regions and state, selected local areas, or territories — National Immunization Survey-Teen (NIS-Teen), United States, 2015

	All adolescents (n = 21,875)		Females (n = 10,508)			Males (n = 11,367)		
	≥1 Tdap§¶¶¶	≥1 MenACWY¶¶	≥1 HPV**	≥2 HPV††	≥3 HPV§	≥1 HPV**	≥2 HPV††	≥3 HPV§§
	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)
United States overall	86.4 (±1.0)	81.3 (±1.0)***	62.8 (±1.8)***	52.2 (±1.8)	41.9 (±1.8)	49.8 (±1.8)***	39.0 (±1.7)***	28.1 (±1.6)***
Connecticut	93.7 (±3.0)	93.5 (±3.1)	70.9 (±8.2)	64.3 (±8.7)	55.2 (±9.1)	65.3 (±7.8)***	58.2 (±8.1)***	42.0 (±8.3)***
Maine	87.7 (±4.0)	77.7 (±5.3)	66.0 (±8.3)	53.9 (±8.7)	44.1 (±8.6)	65.8 (±7.9)***	58.7 (±8.3)***	46.7 (±8.4)***
Massachusetts	91.2 (±4.1)	89.5 (±4.4)	73.5 (±8.6)	63.0 (±9.5)	52.8 (±9.7)	63.0 (±8.8)	50.9 (±9.1)	35.2 (±8.5)
New Hampshire	92.4 (±3.9)	87.7 (±4.4)	74.2 (±8.8)	59.7 (±10.0)	51.4 (±10.0)	69.8 (±7.9)***	55.1 (±9.0)	47.1 (±9.1)***
Rhode Island	97.1 (±1.6)***	97.7 (±1.5)	87.9 (±4.9)***	77.9 (±6.7)	68.0 (±7.4)***	80.6 (±5.8)***	66.6 (±7.1)	58.1 (±7.4)***
Vermont	95.8 (±2.4)	84.4 (±4.3)	68.7 (±8.1)	59.1 (±8.3)	54.4 (±8.4)	66.1 (±7.6)***	56.9 (±7.9)***	41.1 (±7.8)
New Jersey	87.2 (±4.4)	95.7 (±2.4)	69.0 (±7.8)***	56.3 (±8.6)***	45.0 (±8.8)	50.9 (±8.8)***	41.4 (±8.7)***	30.9 (±8.3)
New York (NY)	89.0 (±2.9)	86.2 (±3.1)***	62.3 (±6.4)	56.4 (±6.5)	47.3 (±6.6)	60.3 (±6.1)***	49.4 (±6.1)***	38.1 (±5.8)***
Delaware	88.7 (±3.8)	87.5 (±4.1)	67.6 (±8.4)	60.9 (±8.9)	52.8 (±9.1)	62.9 (±7.6)	53.2 (±8.0)	43.0 (±8.0)
District of Columbia	81.3 (±5.0)	90.9 (±3.4)	76.5 (±7.7)	67.5 (±8.7)	58.8 (±9.2)	73.0 (±7.8)	57.6 (±8.9)	40.9 (±8.7)
Maryland	86.5 (±4.5)	87.3 (±4.4)	66.0 (±9.0)	61.7 (±9.1)	43.7 (±9.3)	55.0 (±9.4)	46.6 (±9.5)	31.3 (±8.9)
Pennsylvania (PA)	91.7 (±2.7)	94.7 (±2.1)	62.2 (±7.7)	56.4 (±7.7)	47.8 (±7.7)	55.9 (±7.1)	48.2 (±7.1)***	38.3 (±6.9)***
Virginia	82.2 (±6.4)†††	66.8 (±7.7)	61.2 (±11.1)	43.9 (±11.4)	38.5 (±11.0)	40.1 (±10.6)	32.0 (±9.9)	25.7 (±9.3)
West Virginia	85.8 (±4.1)***	86.0 (±4.3)	62.0 (±8.6)	49.7 (±8.8)	39.2 (±8.6)	45.3 (±8.5)	36.6 (±8.3)	27.1 (±7.6)
Alabama	93.3 (±3.2)	72.1 (±5.8)	57.7 (±9.2)	50.4 (±9.3)	40.8 (±9.3)	39.4 (±8.6)***	30.3 (±8.3)***	22.6 (±7.9)***
Florida	87.3 (±4.9)	70.4 (±6.4)	62.5 (±9.6)	44.6 (±9.7)	36.8 (±9.3)	45.3 (±9.9)	33.2 (±9.1)	19.8 (±6.9)
Georgia	90.2 (±4.0)	87.0 (±4.6)***	54.4 (±9.5)	38.7 (±8.9)†††	32.3 (±8.4)†††	51.0 (±8.5)	42.5 (±8.4)***	27.5 (±7.6)
Kentucky	84.0 (±4.7)	79.0 (±5.2)	57.4 (±8.6)	42.7 (±8.7)	36.2 (±8.5)	34.8 (±8.2)	25.2 (±7.5)	17.1 (±6.1)
Mississippi	74.7 (±5.3)	55.3 (±6.0)***	52.4 (±8.0)	37.2 (±7.7)	24.4 (±6.6)	38.9 (±8.9)***	29.6 (±8.5)***	21.4 (±8.0)
North Carolina	93.4 (±3.0)	78.5 (±5.1)	65.7 (±8.5)	53.5 (±8.9)	37.8 (±8.7)†††	48.0 (±8.6)	40.3 (±8.5)	29.8 (±8.0)
South Carolina	77.8 (±5.5)	69.0 (±5.9)	53.7 (±9.0)	43.3 (±9.0)	34.3 (±8.5)	35.1 (±8.3)	26.4 (±7.7)	21.0 (±7.5)
Tennessee	79.7 (±5.4)	76.7 (±5.6)	59.7 (±8.7)	46.7 (±9.0)	38.9 (±8.8)***	38.2 (±8.9)	26.0 (±8.1)	16.0 (±6.7)
Illinois (IL)	89.1 (±3.0)	79.0 (±3.8)	62.0 (±5.9)	52.0 (±6.1)	40.2 (±6.0)	44.3 (±6.3)	34.3 (±6.0)	26.8 (±5.6)
Indiana	89.7 (±4.0)	92.3 (±3.4)	53.7 (±9.0)	43.1 (±8.8)	30.9 (±8.0)†††	43.2 (±9.0)***	34.3 (±8.6)***	27.5 (±8.1)***
Michigan	74.0 (±5.5)	95.0 (±2.5)	67.6 (±8.3)	56.9 (±8.9)	47.2 (±9.2)	52.3 (±8.3)	40.2 (±8.2)	28.6 (±7.2)
Minnesota	90.4 (±3.9)	83.6 (±4.8)***	65.5 (±8.8)	51.3 (±8.9)	44.5 (±8.8)	57.1 (±8.7)	36.2 (±8.3)	22.4 (±6.6)
Ohio	86.7 (±5.1)	76.1 (±6.0)	61.0 (±9.9)	47.8 (±9.9)	37.8 (±9.4)	43.7 (±9.0)	32.0 (±8.1)	21.0 (±6.7)
Wisconsin	88.0 (±4.1)	81.6 (±4.6)	60.5 (±8.7)	53.2 (±8.9)	47.3 (±8.9)	46.4 (±8.1)	42.1 (±8.1)	33.5 (±7.8)
Arkansas	91.2 (±3.4)***	81.5 (±4.6)***	63.5 (±8.4)	49.4 (±8.9)	34.0 (±8.4)	44.2 (±8.1)	28.9 (±7.2)	16.4 (±5.8)
Louisiana	91.0 (±3.4)	90.9 (±3.6)	60.3 (±8.6)	53.3 (±8.9)	39.3 (±8.8)	49.5 (±7.9)	39.1 (±7.8)	30.5 (±7.4)
New Mexico	85.9 (±4.2)	72.5 (±5.3)	66.7 (±7.6)	55.6 (±7.8)	40.6 (±7.5)	54.3 (±8.5)	49.9 (±8.5)***	40.3 (±8.2)***
Oklahoma	84.4 (±4.8)	68.1 (±6.4)	58.1 (±10.0)	43.4 (±9.9)	32.2 (±9.1)	52.9 (±8.9)	40.1 (±9.0)	35.7 (±8.9)***
Texas (TX)	85.1 (±2.6)	89.6 (±2.2)	60.1 (±5.1)***	50.4 (±5.2)	40.9 (±5.0)	41.4 (±4.8)	32.9 (±4.4)	24.0 (±3.8)
Iowa	85.5 (±4.6)***	75.0 (±5.3)***	66.7 (±8.0)	62.3 (±8.2)	49.8 (±8.6)	48.0 (±8.7)***	37.0 (±8.2)	23.9 (±7.2)
Kansas	87.3 (±4.2)***	63.7 (±5.9)	50.9 (±8.8)	43.6 (±8.6)***	31.7 (±8.0)	36.0 (±8.1)	26.3 (±7.4)	18.5 (±6.7)

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	All adolescents (n = 21,875)		Females (n = 10,508)			Males (n = 11,367)		
	≥1 Tdap§¶¶	≥1 MenACWY¶¶	≥1 HPV**	≥2 HPV††	≥3 HPV§	≥1 HPV**	≥2 HPV††	≥3 HPV§§
	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)
Missouri	85.7 (±4.9)	69.7 (±6.5)	59.3 (±10.0)	43.4 (±10.4)	31.5 (±9.7)	44.7 (±9.8)***	33.7 (±9.5)***	25.1 (±9.1)***
Nebraska	87.7 (±4.1)	78.1 (±4.8)	67.3 (±7.9)	55.5 (±8.5)	48.2 (±8.6)	54.3 (±7.9)***	46.9 (±7.8)***	32.2 (±7.2)
Colorado	93.3 (±2.9)	85.6 (±4.3)***	65.3 (±8.2)	57.7 (±8.6)	46.0 (±8.7)	63.2 (±8.4)***	52.7 (±9.0)***	37.1 (±8.8)***
Montana	89.5 (±3.7)	65.8 (±5.4)	55.0 (±8.5)	41.8 (±8.3)	34.8 (±8.0)	46.0 (±8.0)***	33.3 (±7.7)***	21.7 (±6.8)
North Dakota	88.9 (±4.5)	91.6 (±4.0)	70.5 (±8.2)	60.9 (±9.0)	47.1 (±9.1)	62.3 (±8.9)***	53.1 (±9.1)***	38.4 (±8.6)***
South Dakota	72.4 (±5.8)	55.5 (±6.3)	53.2 (±9.1)	42.3 (±8.9)	32.4 (±8.7)	39.2 (±8.5)	28.6 (±7.8)	22.0 (±7.2)
Utah	82.0 (±5.2)	71.5 (±5.8)	47.8 (±9.4)	35.9 (±8.8)	24.6 (±7.7)	40.9 (±8.9)***	33.7 (±8.7)***	19.9 (±7.6)
Wyoming	87.9 (±4.1)	58.7 (±6.4)	47.7 (±9.6)	37.6 (±9.4)	26.5 (±8.7)	37.1 (±8.8)	30.8 (±8.5)***	18.8 (±6.9)
Arizona	86.6 (±3.8)	87.6 (±3.8)	68.3 (±7.4)	56.1 (±8.1)	44.2 (±8.3)	51.3 (±8.2)	40.6 (±8.2)***	27.0 (±7.3)***
California	82.5 (±5.6)	77.2 (±5.9)	66.7 (±9.6)	59.7 (±9.9)	48.4 (±9.9)	58.5 (±9.8)	41.8 (±9.7)	29.5 (±9.0)
Hawaii	79.6 (±4.9)	78.7 (±5.0)	71.3 (±8.0)	64.1 (±8.4)***	52.4 (±8.8)***	62.5 (±8.0)	50.2 (±8.4)	36.2 (±8.1)
Nevada	88.3 (±4.3)	78.0 (±5.3)***	72.0 (±7.8)***	57.6 (±9.0)***	42.5 (±9.2)	44.5 (±8.8)	31.9 (±8.1)	23.7 (±7.2)
Alaska	69.7 (±5.8)	55.7 (±6.2)	57.0 (±8.7)	46.3 (±8.7)	36.9 (±8.4)	41.6 (±8.5)	30.3 (±7.8)	18.8 (±6.4)
Idaho	82.5 (±5.2)***	81.4 (±5.2)	57.3 (±8.9)	43.5 (±9.0)	30.3 (±8.2)	44.2 (±8.9)	36.4 (±8.6)***	26.4 (±7.9)
Oregon	89.4 (±3.8)	75.2 (±5.5)	70.0 (±8.1)	55.4 (±9.0)	48.9 (±9.0)	58.6 (±8.4)***	48.2 (±8.7)***	35.7 (±8.5)***
Washington	85.3 (±4.5)	75.4 (±5.1)	65.8 (±8.1)	55.8 (±8.4)	45.1 (±8.4)	46.8 (±8.0)	41.2 (±7.8)	28.0 (±7.1)
Puerto Rico	82.5 (±5.2)	87.9 (±4.3)	77.4 (±7.8)	52.7 (±9.7)	42.0 (±9.4)	68.1 (±8.6)	44.3 (±9.1)	30.8 (±8.7)

Abbreviations: CI = confidence interval; HHS = U.S. Department of Health and Human Services; HPV = human papillomavirus; MenACWY = quadrivalent meningococcal conjugate vaccine; MMR = measles, mumps, rubella vaccine; Tdap = tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis vaccine.

* Estimates for additional measures, including MMR, hepatitis B, and varicella vaccines are available (<http://www.cdc.gov/vaccines/vaxview/teenvaxview>).

† Adolescents (n = 21,875) in the 2015 NIS-Teen were born during January 1997–February 2003.

§ ≥1 dose Tdap at or after age 10 years.

¶ ≥1 dose of MenACWY or meningococcal-unknown type vaccine.

** ≥1 dose HPV vaccine, 9-valent (9vHPV), quadrivalent (4vHPV), or bivalent (2vHPV). Percentages are reported separately for females only (n = 10,508) and males only (n = 11,367). 9vHPV, 4vHPV, or 2vHPV are recommended for females, and 9vHPV or 4vHPV are recommended for males.

†† ≥2 doses of HPV vaccine, including 9vHPV, 4vHPV or 2vHPV.

§§ ≥3 doses of HPV vaccine, including 9vHPV, 4vHPV or 2vHPV. Some adolescents might have received more than the 3 recommended HPV vaccine doses.

¶¶¶ Estimates with 95% CI half-widths >10 might not be reliable.

*** Statistically significant (p<0.05) percentage point increase from 2014.

††† Statistically significant (p<0.05) percentage point decrease from 2014.

§§§ Range excludes all selected local areas and territories.