

Pooled proportion of healthcare personnel reported as vaccinated in Hospitals reporting to NHSN, by personnel group and state, 2016-2017 influenza season.

State	No. of reporting facilities*	Employee Vaccination %	95% CI for Employee Vaccination %	Licensed Independent Practitioner Vaccination %	95% CI for Licensed Independent Practitioner Vaccination %	Adult Student/ Trainee & Volunteer Vaccination %	95% CI for Adult Student/ Trainee & Volunteer Vaccination %	All Healthcare Personnel† Vaccination %	95% CI for All Healthcare Personnel Vaccination %
Alabama	88	82.1	81.8 - 82.3	58.0	57.3 - 58.8	90.2	89.8 - 90.6	80.2	80.0 - 80.4
Alaska	8	78.1	77.4 - 78.8	53.5	51.4 - 55.6	74.3	72.2 - 76.4	74.5	73.9 - 75.2
Arizona	64	93.5	93.4 - 93.7	79.2	78.8 - 79.7	83.9	83.3 - 84.4	89.1	88.9 - 89.2
Arkansas	49	89.3	89.0 - 89.5	54.2	53.0 - 55.3	82.0	81.3 - 82.6	85.0	84.7 - 85.2
California	328	87.5	87.4 - 87.6	67.4	67.1 - 67.6	85.0	84.8 - 85.2	83.9	83.9 - 84.0
Colorado	55	97.1	97.0 - 97.2	95.3	95.1 - 95.6	98.2	97.9 - 98.4	96.8	96.7 - 96.9
Connecticut	28	92.4	92.2 - 92.6	70.8	69.9 - 71.7	89.1	88.6 - 89.7	89.5	89.3 - 89.7
Delaware	7	95.1	94.8 - 95.4	57.5	55.4 - 59.6	87.5	86.5 - 88.5	91.4	91.0 - 91.7
D.C.	8	97.2	97.0 - 97.4	95.8	95.1 - 96.4	99.0	98.6 - 99.4	97.2	97.0 - 97.4
Florida	201	82.5	82.3 - 82.6	50.1	49.7 - 50.4	83.8	83.5 - 84.0	77.5	77.4 - 77.6
Georgia	101	92.3	92.2 - 92.5	75.4	74.9 - 75.9	90.4	90.0 - 90.7	89.9	89.8 - 90.0
Hawaii	15	82.9	82.4 - 83.4	70.5	68.9 - 72.1	88.5	87.4 - 89.5	82.2	81.8 - 82.7
Idaho	14	95.3	95.0 - 95.5	74.7	73.2 - 76.2	97.2	96.8 - 97.6	93.8	93.5 - 94.1
Illinois	133	93.3	93.2 - 93.4	64.1	63.7 - 64.6	83.2	82.9 - 83.5	87.7	87.5 - 87.8
Indiana	92	92.0	91.8 - 92.1	82.2	81.8 - 82.7	88.2	87.9 - 88.6	90.0	89.9 - 90.1
Iowa	38	95.0	94.9 - 95.2	79.3	78.4 - 80.2	92.2	91.8 - 92.6	93.3	93.1 - 93.4
Kansas	55	96.6	96.4 - 96.7	80.2	79.4 - 81.0	98.1	97.8 - 98.3	94.6	94.4 - 94.8
Kentucky	68	89.0	88.8 - 89.2	52.7	51.9 - 53.5	84.3	83.7 - 84.8	83.6	83.4 - 83.8
Louisiana	97	88.8	88.6 - 89.0	72.0	71.4 - 72.6	90.6	90.1 - 91.0	86.5	86.3 - 86.7
Maine	17	88.2	87.9 - 88.5	72.5	70.0 - 74.8	83.2	82.0 - 84.4	87.2	86.9 - 87.5
Maryland	48	97.8	97.7 - 97.9	93.7	93.4 - 94.0	98.0	97.8 - 98.2	97.2	97.1 - 97.2
Massachusetts	70	91.9	91.8 - 92.0	91.4	91.1 - 91.7	95.5	95.3 - 95.8	92.2	92.1 - 92.3
Michigan	97	92.2	92.1 - 92.3	79.5	79.0 - 80.0	88.6	88.2 - 88.9	90.6	90.5 - 90.7
Minnesota	52	82.4	82.1 - 82.6	73.6	72.9 - 74.3	74.6	73.9 - 75.2	80.5	80.3 - 80.7
Mississippi	62	85.5	85.2 - 85.8	53.5	52.3 - 54.7	90.0	89.5 - 90.6	83.4	83.1 - 83.6
Missouri	76	95.7	95.6 - 95.8	81.0	80.5 - 81.5	93.9	93.7 - 94.2	93.7	93.6 - 93.8
Montana	14	89.0	88.6 - 89.4	55.6	53.3 - 57.9	92.1	91.0 - 93.2	87.0	86.6 - 87.4
Nebraska	28	96.1	95.9 - 96.3	72.0	71.2 - 72.8	95.8	95.4 - 96.1	91.5	91.2 - 91.7
Nevada	22	89.7	89.4 - 90.0	45.4	44.6 - 46.3	91.7	91.0 - 92.3	78.5	78.1 - 78.8
New Hampshire	13	95.3	95.1 - 95.6	81.6	80.2 - 83.0	96.0	95.4 - 96.5	94.3	94.1 - 94.5
New Jersey	71	89.5	89.4 - 89.7	60.7	60.2 - 61.1	85.3	84.9 - 85.7	83.8	83.6 - 83.9
New Mexico	31	90.1	89.8 - 90.4	60.3	58.9 - 61.8	89.1	88.3 - 89.9	86.9	86.6 - 87.2
New York	175	87.7	87.6 - 87.8	74.2	73.8 - 74.5	85.6	85.4 - 85.8	85.9	85.8 - 86.0
North Carolina	92	97.4	97.3 - 97.4	86.5	86.1 - 86.9	88.2	87.8 - 88.5	94.9	94.8 - 94.9
North Dakota	7	93.7	93.4 - 94.0	76.0	72.8 - 78.9	91.1	90.3 - 92.0	92.8	92.5 - 93.1
Ohio	137	90.3	90.1 - 90.4	65.7	65.2 - 66.3	84.0	83.7 - 84.3	87.2	87.1 - 87.3
Oklahoma	85	92.8	92.6 - 93.0	64.3	63.4 - 65.1	91.5	91.0 - 91.9	88.9	88.7 - 89.1
Oregon	35	83.9	83.6 - 84.1	74.8	73.8 - 75.7	72.9	72.1 - 73.6	81.6	81.4 - 81.9
Pennsylvania	168	92.7	92.6 - 92.8	79.2	78.9 - 79.6	90.2	90.0 - 90.4	90.7	90.6 - 90.8
Rhode Island	11	91.2	90.9 - 91.6	95.5	95.0 - 96.0	98.4	98.1 - 98.8	93.0	92.8 - 93.3

South Carolina	60	90.6	90.4 - 90.8	68.6	67.8 - 69.5	87.3	86.8 - 87.8	88.2	88.0 - 88.4
South Dakota	20	97.4	97.2 - 97.6	91.6	90.4 - 92.7	90.6	89.5 - 91.6	96.2	96.0 - 96.4
Tennessee	108	91.3	91.2 - 91.5	75.7	75.2 - 76.3	92.8	92.5 - 93.1	89.4	89.3 - 89.5
Texas	357	92.6	92.5 - 92.6	65.8	65.5 - 66.1	88.7	88.4 - 88.9	87.4	87.3 - 87.5
Utah	36	98.1	98.0 - 98.2	91.8	91.3 - 92.3	91.2	90.7 - 91.7	95.8	95.7 - 96.0
Vermont	6	80.0	79.3 - 80.7	68.5	63.8 - 72.9	59.5	57.4 - 61.5	76.9	76.3 - 77.6
Virginia	80	92.2	92.0 - 92.4	72.9	72.3 - 73.4	90.2	89.9 - 90.6	89.0	88.9 - 89.2
Washington	56	92.1	91.9 - 92.2	81.5	81.1 - 82.0	91.7	91.4 - 92.1	90.4	90.2 - 90.5
West Virginia	29	93.4	93.2 - 93.7	68.6	67.2 - 69.8	95.2	94.6 - 95.6	91.4	91.2 - 91.6
Wisconsin	73	95.3	95.2 - 95.4	89.0	88.6 - 89.4	94.3	94.0 - 94.5	94.3	94.2 - 94.4
Wyoming	11	93.6	93.1 - 94.1	78.9	76.2 - 81.4	83.3	81.7 - 84.8	90.2	89.6 - 90.8
United States	3,596	90.7	90.6 - 90.7	71.9	71.8 - 71.9	88.0	87.9 - 88.1	87.7	87.7 - 87.7
Range	6 - 357	78.1- 98.1	--	45.4- 95.8	--	59.5- 99.0	--	74.5- 97.2	--

95% CI: 95% confidence interval for estimated vaccination percentage.

Pooled proportions for each state are calculated as the number of healthcare personnel (HCP) vaccinated at their facility plus the number who provided documentation of vaccination elsewhere, divided by the total number of HCP in that group reported as working at the facilities from October 1 through March 31, and multiplied by 100. Personnel are reported by each facility in which they work; therefore, individuals may be counted more than once.

NHSN recognizes that changes to the Centers for Medicare and Medicaid Services (CMS) payment policies and changes in state and local reporting mandates may impact the number and characteristics of healthcare facilities participating in NHSN.

* Total number of hospitals reporting HCP influenza vaccination data to NHSN for the specified influenza season. This may include facilities that do not participate in CMS' Hospital Inpatient Quality Reporting (Hospital IQR) or Outpatient Quality Reporting (Hospital OQR) Program. The facility types that are considered are HOSP-CHLD, HOSP-GEN, HOSP-MIL, HOSP-ONC, HOSP-ORTHO, HOSP-PHE/G, HOSP-PHE/NG, HOSP-SURG, HOSP-VA, HOSP-WOM and HOSP-WOMCHILD.

† Pooled proportion vaccinated among employees, licensed independent practitioners, and adult students/trainees and volunteers combined.