

Pooled proportion of healthcare personnel reported as vaccinated in Hospitals reporting to NHSN, by personnel group and state, 2018-2019 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	90.5	90.3 - 90.7	71.3	70.6 - 72.0	93.7	93.3 - 94.0	88.4	88.2 - 88.5
Alaska	8	86.1	85.5 - 86.7	61.4	59.5 - 63.4	78.8	77.0 - 80.4	82.1	81.5 - 82.6
Arizona	64	93.1	92.9 - 93.3	88.2	87.8 - 88.6	92.6	92.2 - 93.0	92.1	92.0 - 92.3
Arkansas	49	93.9	93.7 - 94.1	60.8	59.6 - 62.1	88.4	87.9 - 88.9	90.5	90.3 - 90.7
California	336	88.2	88.2 - 88.3	74.1	73.9 - 74.3	85.9	85.7 - 86.1	85.6	85.5 - 85.7
Colorado	54	98.0	97.9 - 98.1	95.7	95.5 - 95.9	92.9	92.5 - 93.3	96.9	96.8 - 97.0
Connecticut	29	93.5	93.3 - 93.6	84.5	83.8 - 85.1	94.2	93.8 - 94.7	92.4	92.2 - 92.6
Delaware	8	94.9	94.6 - 95.1	87.4	86.3 - 88.4	95.9	95.3 - 96.5	94.2	94.0 - 94.5
D.C.	6	98.4	98.2 - 98.5	96.4	95.6 - 97.0	90.1	88.7 - 91.4	97.5	97.3 - 97.7
Florida	205	85.3	85.2 - 85.4	57.6	57.2 - 57.9	88.9	88.7 - 89.1	81.5	81.4 - 81.6
Georgia	103	92.5	92.3 - 92.6	69.5	69.0 - 70.0	96.1	95.9 - 96.4	89.8	89.6 - 89.9
Hawaii	15	83.3	82.7 - 83.8	81.6	80.2 - 82.9	91.2	90.2 - 92.2	84.0	83.5 - 84.4
Idaho	15	97.1	96.9 - 97.3	86.3	85.3 - 87.3	96.1	95.6 - 96.6	95.7	95.5 - 95.9
Illinois	131	96.1	96.0 - 96.1	73.0	72.6 - 73.4	94.7	94.5 - 94.9	92.9	92.8 - 92.9
Indiana	90	94.3	94.2 - 94.4	80.9	80.4 - 81.3	91.2	90.8 - 91.5	91.7	91.6 - 91.8
Iowa	37	96.2	96.0 - 96.3	86.3	85.5 - 87.1	95.0	94.6 - 95.3	95.2	95.0 - 95.3
Kansas	56	97.0	96.9 - 97.2	92.1	91.5 - 92.6	97.6	97.4 - 97.9	96.5	96.4 - 96.6
Kentucky	69	95.0	94.9 - 95.2	67.2	66.3 - 68.1	94.8	94.4 - 95.1	92.7	92.5 - 92.8
Louisiana	99	91.6	91.4 - 91.8	76.0	75.4 - 76.6	90.6	90.1 - 91.0	88.9	88.7 - 89.1
Maine	17	91.9	91.6 - 92.2	63.9	61.7 - 66.1	86.6	85.4 - 87.7	90.1	89.8 - 90.4
Maryland	48	97.5	97.4 - 97.6	95.4	95.1 - 95.6	98.7	98.5 - 98.9	97.3	97.2 - 97.4
Massachusetts	71	94.9	94.8 - 95.0	92.4	92.1 - 92.7	97.3	97.1 - 97.4	94.9	94.8 - 95.0
Michigan	100	93.6	93.5 - 93.7	80.7	80.2 - 81.2	92.1	91.8 - 92.4	92.2	92.1 - 92.3
Minnesota	50	85.4	85.3 - 85.6	78.7	78.0 - 79.3	82.4	81.9 - 83.0	84.4	84.2 - 84.6
Mississippi	62	89.0	88.8 - 89.3	68.0	66.9 - 69.1	95.5	95.1 - 95.9	88.1	87.9 - 88.4
Missouri	78	96.6	96.5 - 96.7	87.4	87.0 - 87.8	88.1	87.8 - 88.5	94.0	93.9 - 94.1
Montana	14	92.7	92.3 - 93.0	70.7	68.6 - 72.8	89.5	88.4 - 90.6	90.8	90.5 - 91.2
Nebraska	26	94.3	94.1 - 94.6	87.9	87.2 - 88.6	89.8	89.3 - 90.4	92.4	92.2 - 92.7
Nevada	25	91.4	91.1 - 91.7	54.1	53.2 - 54.9	91.2	90.5 - 91.8	82.6	82.2 - 82.9
New Hampshire	13	95.2	95.0 - 95.4	90.8	89.7 - 91.7	96.2	95.6 - 96.7	95.0	94.8 - 95.2
New Jersey	70	93.0	92.9 - 93.2	69.1	68.7 - 69.6	91.5	91.1 - 91.8	88.6	88.4 - 88.7
New Mexico	32	91.4	91.1 - 91.7	57.2	55.8 - 58.7	93.1	92.5 - 93.6	88.4	88.1 - 88.6
New York	176	88.0	87.9 - 88.1	79.2	78.9 - 79.5	88.0	87.8 - 88.3	87.0	86.9 - 87.1
North Carolina	96	97.5	97.5 - 97.6	91.2	90.9 - 91.5	81.7	81.3 - 82.1	94.6	94.5 - 94.7
North Dakota	9	94.9	94.6 - 95.2	86.2	84.1 - 88.0	95.0	94.5 - 95.5	94.6	94.3 - 94.8
Ohio	139	92.0	91.9 - 92.1	56.1	55.6 - 56.6	89.5	89.2 - 89.8	87.5	87.4 - 87.6
Oklahoma	85	95.5	95.3 - 95.6	86.1	85.5 - 86.6	96.7	96.4 - 97.0	94.3	94.1 - 94.4
Oregon	35	87.0	86.8 - 87.3	86.3	85.5 - 87.0	80.9	80.1 - 81.6	86.1	85.9 - 86.4
Pennsylvania	170	94.1	94.0 - 94.2	88.6	88.4 - 88.9	96.3	96.1 - 96.4	93.5	93.4 - 93.5
Rhode Island	10	90.4	90.0 - 90.8	96.1	95.6 - 96.5	99.1	98.8 - 99.3	92.9	92.7 - 93.2

South Carolina	60	93.9	93.7 - 94.0	74.6	73.8 - 75.4	85.9	85.4 - 86.4	90.7	90.6 - 90.9
South Dakota	19	97.6	97.4 - 97.8	89.5	88.2 - 90.7	95.5	94.8 - 96.1	96.6	96.4 - 96.8
Tennessee	105	93.4	93.2 - 93.5	74.7	74.2 - 75.3	97.3	97.1 - 97.4	91.6	91.5 - 91.8
Texas	346	94.5	94.5 - 94.6	70.5	70.3 - 70.8	92.3	92.1 - 92.5	89.3	89.2 - 89.4
Utah	39	99.0	98.9 - 99.1	88.0	87.5 - 88.5	89.1	88.5 - 89.6	95.0	94.8 - 95.2
Vermont	6	80.7	80.1 - 81.4	65.4	61.7 - 68.9	77.9	76.2 - 79.5	79.8	79.2 - 80.4
Virginia	80	94.0	93.9 - 94.2	75.1	74.6 - 75.7	92.3	92.0 - 92.7	90.8	90.6 - 90.9
Washington	56	92.7	92.5 - 92.8	89.4	89.1 - 89.8	92.9	92.5 - 93.2	92.1	92.0 - 92.2
West Virginia	31	94.2	93.9 - 94.4	80.0	79.0 - 80.9	97.2	96.8 - 97.5	93.1	92.9 - 93.3
Wisconsin	73	96.7	96.6 - 96.8	94.4	94.1 - 94.6	97.6	97.4 - 97.7	96.6	96.5 - 96.6
Wyoming	12	95.4	94.9 - 95.8	85.1	82.9 - 87.1	80.3	78.3 - 82.1	92.1	91.6 - 92.6
United States	3,615	92.4	92.3 - 92.4	77.2	77.1 - 77.3	91.2	91.2 - 91.3	90.0	90.0 - 90.1
Range	6 - 346	80.7- 99.0	--	54.1- 96.4	--	77.9- 99.1	--	79.8- 97.5	--

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.