

Pooled proportion of healthcare personnel reported as vaccinated in Outpatient Dialysis Facilities\* 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	166	85.5	84.3 - 86.7	79.8	77.2 - 82.2	75.0	58.0 - 87.7	84.2	83.1 - 85.2
Alaska	9	73.1	66.8 - 78.8	56.5	45.8 - 66.7	33.3	1.7 - 86.8	68.0	62.6 - 73.1
Arizona	118	88.6	87.5 - 89.6	89.8	88.5 - 91.0	62.5	37.6 - 83.2	89.0	88.2 - 89.8
Arkansas	64	95.7	94.5 - 96.7	82.5	78.3 - 86.1	87.5	69.6 - 96.7	92.8	91.6 - 94.0
California	611	86.1	85.7 - 86.6	81.1	80.0 - 82.1	85.1	80.6 - 88.8	85.1	84.7 - 85.5
Colorado	75	94.0	92.9 - 95.0	93.0	90.2 - 95.2	94.2	86.6 - 98.1	93.8	92.8 - 94.7
Connecticut	49	91.5	89.9 - 92.8	96.3	93.8 - 98.0	84.4	71.6 - 92.9	92.2	90.8 - 93.3
Delaware	27	92.3	91.3 - 93.3	48.9	44.0 - 53.8	30.9	24.6 - 37.7	83.2	81.9 - 84.5
D.C.	20	88.0	85.1 - 90.5	90.8	86.4 - 94.1	100.0	77.9 - 100.0	88.9	86.6 - 91.0
Florida	404	79.0	78.2 - 79.8	67.8	66.3 - 69.4	92.7	87.1 - 96.4	76.3	75.5 - 77.0
Georgia	322	78.8	77.8 - 79.8	82.0	80.4 - 83.5	88.3	83.1 - 92.3	79.8	78.9 - 80.6
Hawaii	29	74.1	71.4 - 76.6	89.4	85.5 - 92.6	50.0	9.4 - 90.6	77.3	75.0 - 79.4
Idaho	30	90.1	87.9 - 91.9	89.7	84.7 - 93.5	87.4	79.1 - 93.2	89.8	87.9 - 91.5
Illinois	279	86.4	85.6 - 87.3	85.5	84.2 - 86.8	63.7	62.1 - 65.3	79.9	79.2 - 80.6
Indiana	161	92.8	92.0 - 93.6	88.0	86.2 - 89.6	75.0	62.0 - 85.3	91.3	90.6 - 92.1
Iowa	62	93.1	91.5 - 94.4	92.7	89.1 - 95.4	97.9	90.2 - 99.9	93.2	91.8 - 94.4
Kansas	58	95.8	94.6 - 96.8	89.0	85.5 - 91.9	95.6	86.1 - 99.2	94.3	93.1 - 95.3
Kentucky	116	88.6	87.2 - 89.9	87.9	85.5 - 90.0	53.8	38.2 - 68.9	88.0	86.8 - 89.1
Louisiana	160	88.2	87.1 - 89.1	81.1	78.8 - 83.2	17.6	4.7 - 40.9	86.3	85.3 - 87.2
Maine	17	94.4	91.8 - 96.4	100.0	96.8 - 100.0	100.0	5.0 - 100.0	95.5	93.4 - 97.1
Maryland	156	89.2	88.1 - 90.2	88.5	86.3 - 90.5	72.0	52.3 - 86.8	89.0	88.0 - 89.9
Massachusetts	83	86.8	85.5 - 88.1	89.2	86.3 - 91.5	50.0	18.4 - 81.6	87.1	85.9 - 88.3
Michigan	202	90.5	89.7 - 91.3	92.7	91.3 - 93.8	84.6	72.9 - 92.6	91.0	90.3 - 91.7
Minnesota	119	94.7	93.8 - 95.5	78.4	75.7 - 80.9	96.1	89.6 - 99.0	90.6	89.7 - 91.5
Mississippi	85	90.2	88.9 - 91.3	85.0	81.8 - 87.9	86.4	67.2 - 96.4	89.2	88.0 - 90.3
Missouri	161	90.0	89.0 - 91.0	85.5	83.3 - 87.5	96.5	92.4 - 98.7	89.3	88.4 - 90.1
Montana	11	86.9	82.3 - 90.7	78.6	64.3 - 89.0	97.2	87.1 - 99.9	87.0	83.0 - 90.3
Nebraska	33	95.1	93.1 - 96.6	87.1	80.9 - 91.8	54.3	37.8 - 70.1	91.7	89.6 - 93.5
Nevada	47	93.3	91.8 - 94.5	90.2	87.1 - 92.8	69.0	50.6 - 83.7	92.2	90.9 - 93.3
New Hampshire	18	91.3	88.6 - 93.5	96.9	91.7 - 99.2	.	. - 100.0	92.2	89.8 - 94.1
New Jersey	159	87.8	86.8 - 88.7	81.8	80.0 - 83.4	92.0	84.1 - 96.7	86.0	85.2 - 86.8
New Mexico	48	90.6	88.8 - 92.2	72.8	67.0 - 78.2	78.7	67.1 - 87.6	87.0	85.2 - 88.7
New York	228	86.8	86.1 - 87.6	92.0	90.7 - 93.1	87.8	82.4 - 92.0	87.8	87.2 - 88.5
North Carolina	210	91.2	90.4 - 91.9	95.4	94.4 - 96.3	80.8	74.0 - 86.4	92.0	91.3 - 92.5
North Dakota	14	97.8	95.4 - 99.1	100.0	87.3 - 100.0	100.0	96.7 - 100.0	98.4	96.7 - 99.4
Ohio	307	85.8	85.0 - 86.7	85.8	84.4 - 87.1	90.8	84.6 - 95.1	85.9	85.2 - 86.6
Oklahoma	83	93.3	92.2 - 94.3	81.7	79.0 - 84.2	97.5	93.3 - 99.4	90.3	89.3 - 91.3
Oregon	65	85.0	83.3 - 86.5	64.7	61.7 - 67.7	77.8	43.8 - 96.1	78.3	76.8 - 79.8

Pennsylvania	293	85.7	84.9 - 86.6	89.6	88.2 - 90.8	86.5	82.1 - 90.2	86.7	85.9 - 87.4
Rhode Island	15	91.8	88.9 - 94.1	100.0	95.1 - 100.0	100.0	22.4 - 100.0	92.8	90.3 - 94.9
South Carolina	146	83.4	82.2 - 84.6	84.1	81.9 - 86.2	61.4	49.7 - 72.3	83.3	82.2 - 84.3
South Dakota	17	88.9	85.1 - 92.0	75.7	60.0 - 87.4	91.3	74.1 - 98.5	87.8	84.2 - 90.8
Tennessee	179	86.6	85.6 - 87.7	88.3	86.5 - 90.0	85.1	72.7 - 93.2	87.0	86.1 - 87.9
Texas	600	87.7	87.2 - 88.2	85.4	84.4 - 86.3	93.8	90.9 - 96.0	87.2	86.8 - 87.7
Utah	39	97.8	96.4 - 98.8	98.8	96.0 - 99.8	97.2	91.1 - 99.5	97.9	96.8 - 98.7
Vermont	8	83.8	76.8 - 89.4	100.0	92.8 - 100.0	100.0	90.2 - 100.0	89.4	84.6 - 93.2
Virginia	179	90.2	89.2 - 91.1	92.9	91.3 - 94.3	100.0	96.5 - 100.0	90.9	90.1 - 91.7
Washington	84	93.4	92.5 - 94.3	74.9	71.9 - 77.7	96.4	88.7 - 99.4	89.2	88.2 - 90.2
West Virginia	43	90.0	87.8 - 91.8	95.7	92.7 - 97.7	60.0	46.0 - 72.8	89.9	88.1 - 91.6
Wisconsin	109	95.0	94.1 - 95.8	91.5	89.2 - 93.4	100.0	93.4 - 100.0	94.3	93.5 - 95.1
Wyoming	8	97.2	92.6 - 99.3	100.0	81.9 - 100.0	100.0	68.8 - 100.0	97.7	93.9 - 99.4
<b>United States</b>	<b>6,527</b>	<b>87.6</b>	<b>87.4 - 87.7</b>	<b>84.3</b>	<b>84.0 - 84.6</b>	<b>74.3</b>	<b>73.2 - 75.3</b>	<b>86.4</b>	<b>86.3 - 86.5</b>
<b>Range</b>	<b>8 - 611</b>	<b>68.8- 97.8</b>	<b>--</b>	<b>48.9-100.0</b>	<b>--</b>	<b>17.6-100.0</b>	<b>--</b>	<b>68.0- 98.4</b>	<b>--</b>

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

\* Outpatient dialysis facilities include hospital-based outpatient units and freestanding clinics providing in-center dialysis as well as peritoneal dialysis and home hemodialysis services.

† Total number of outpatient dialysis facilities reporting HCP influenza vaccination data to NHSN for the specified influenza season. This may include facilities that do not participate in CMS' End Stage Renal Disease Quality Incentive Program (ESRD QIP).

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

§ New Hampshire reported zero adult students/trainees and volunteers working in outpatient dialysis facilities so no vaccination proportion was calculated for this group.