

Pooled proportion of healthcare personnel reported as vaccinated in Outpatient Dialysis Facilities* reporting to NHSN, by personnel group and state, 2015 - 2016 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	162	85.5	84.2 - 86.7	80.6	78.0 - 83.1	93.8	80.9 - 98.9	84.5	83.4 - 85.6
Alaska	9	83.7	78.6 - 88.0	67.5	52.0 - 80.6	62.5	27.8 - 89.4	80.8	76.0 - 85.1
Arizona	118	87.5	86.3 - 88.6	78.6	75.6 - 81.4	94.7	76.7 - 99.7	85.8	84.7 - 86.8
Arkansas	62	94.7	93.3 - 95.8	87.8	84.0 - 90.9	69.2	41.3 - 89.4	92.9	91.6 - 94.1
California	604	86.1	85.6 - 86.6	80.1	79.0 - 81.2	71.9	66.8 - 76.6	84.7	84.2 - 85.1
Colorado	74	94.4	93.3 - 95.4	85.8	81.9 - 89.1	62.7	50.7 - 73.6	92.0	90.8 - 93.1
Connecticut	47	91.7	90.1 - 93.2	95.7	92.6 - 97.7	94.9	84.1 - 99.1	92.5	91.1 - 93.8
Delaware	26	92.3	90.9 - 93.6	76.9	72.9 - 80.5	99.1	97.1 - 99.9	89.8	88.5 - 90.9
D.C.	20	86.5	83.7 - 89.0	88.7	84.2 - 92.4	100.0	54.9 - 100.0	87.2	84.8 - 89.2
Florida	397	78.2	77.3 - 79.1	80.2	78.7 - 81.6	92.1	88.0 - 95.1	78.9	78.2 - 79.7
Georgia	327	81.9	81.0 - 82.9	84.0	82.3 - 85.6	91.8	86.8 - 95.4	82.6	81.8 - 83.4
Hawaii	28	78.6	76.1 - 81.0	60.1	53.9 - 66.0	.	. - 100.0	75.0	72.6 - 77.3
Idaho	29	89.5	87.3 - 91.4	78.8	71.6 - 84.8	100.0	68.8 - 100.0	88.0	85.8 - 89.9
Illinois	272	91.3	90.8 - 91.8	84.9	83.5 - 86.1	88.3	87.3 - 89.2	89.6	89.2 - 90.0
Indiana	150	94.9	94.1 - 95.6	88.6	86.5 - 90.6	50.0	35.1 - 64.9	93.2	92.4 - 93.9
Iowa	63	92.6	90.9 - 94.0	92.8	89.2 - 95.4	63.9	47.4 - 78.2	91.9	90.4 - 93.2
Kansas	55	96.2	95.0 - 97.2	92.2	88.8 - 94.8	97.9	94.3 - 99.5	95.6	94.5 - 96.5
Kentucky	113	88.1	86.6 - 89.5	87.9	85.3 - 90.2	77.1	61.2 - 88.8	87.9	86.6 - 89.1
Louisiana	153	89.1	88.0 - 90.0	68.5	65.6 - 71.2	36.5	24.3 - 50.2	83.9	82.8 - 84.9
Maine	17	95.1	92.6 - 96.9	87.3	80.8 - 92.2	0.0	. - 63.2	92.6	90.2 - 94.6
Maryland	140	88.5	87.4 - 89.6	87.8	85.6 - 89.8	71.4	44.5 - 90.2	88.3	87.3 - 89.3
Massachusetts	77	87.2	85.7 - 88.5	90.9	88.1 - 93.2	85.7	60.3 - 97.5	87.8	86.5 - 89.0
Michigan	196	91.8	91.0 - 92.6	92.8	91.5 - 94.0	84.6	66.9 - 94.9	92.0	91.4 - 92.7
Minnesota	116	92.9	91.9 - 93.8	91.8	89.4 - 93.7	85.3	78.0 - 90.9	92.4	91.5 - 93.3
Mississippi	79	89.9	88.6 - 91.1	69.1	64.3 - 73.6	.	. - 100.0	86.9	85.6 - 88.2
Missouri	155	89.4	88.2 - 90.4	72.7	69.9 - 75.3	95.5	88.1 - 98.8	85.2	84.0 - 86.2
Montana	11	82.9	77.7 - 87.3	77.5	62.7 - 88.4	60.0	40.2 - 77.6	80.3	75.5 - 84.5
Nebraska	36	94.7	92.7 - 96.3	86.7	79.5 - 92.1	100.0	22.4 - 100.0	93.5	91.5 - 95.1
Nevada	43	90.9	89.1 - 92.4	81.9	77.4 - 85.9	94.1	74.2 - 99.7	89.0	87.4 - 90.5
New Hampshire	18	95.5	93.4 - 97.1	100.0	95.9 - 100.0	100.0	5.0 - 100.0	96.1	94.2 - 97.5
New Jersey	157	86.3	85.2 - 87.2	83.2	81.3 - 84.9	79.3	67.5 - 88.3	85.4	84.5 - 86.2
New Mexico	44	88.2	86.1 - 90.0	74.0	67.0 - 80.2	50.0	31.9 - 68.1	85.4	83.4 - 87.3
New York	259	87.1	86.3 - 87.8	87.9	86.3 - 89.4	89.3	84.7 - 92.9	87.3	86.6 - 87.9
North Carolina	201	91.3	90.6 - 92.1	94.1	92.9 - 95.2	84.9	79.7 - 89.2	91.8	91.1 - 92.4
North Dakota	15	96.2	93.4 - 98.1	93.8	72.8 - 99.7	98.0	94.7 - 99.5	96.8	94.8 - 98.2
Ohio	297	81.3	80.4 - 82.2	81.4	79.8 - 83.0	40.5	33.8 - 47.5	80.5	79.7 - 81.3
Oklahoma	81	94.4	93.2 - 95.3	85.1	82.3 - 87.5	63.4	54.9 - 71.3	90.4	89.2 - 91.5
Oregon	64	89.0	87.5 - 90.4	75.9	73.2 - 78.4	75.0	55.1 - 89.2	84.2	82.8 - 85.5

Pennsylvania	278	85.4	84.5 - 86.3	90.1	88.7 - 91.5	84.1	79.6 - 88.0	86.4	85.6 - 87.1
Rhode Island	15	90.7	87.5 - 93.3	98.5	92.6 - 99.9	100.0	79.4 - 100.0	92.0	89.3 - 94.3
South Carolina	145	82.6	81.3 - 83.8	89.3	87.1 - 91.2	57.6	40.4 - 73.4	83.8	82.7 - 84.9
South Dakota	19	92.2	89.1 - 94.7	77.8	65.3 - 87.4	100.0	84.7 - 100.0	90.7	87.7 - 93.2
Tennessee	174	87.5	86.3 - 88.5	89.9	87.9 - 91.7	48.1	38.8 - 57.6	87.0	86.0 - 88.0
Texas	586	88.2	87.7 - 88.7	86.9	86.0 - 87.9	89.8	87.3 - 91.9	88.0	87.5 - 88.4
Utah	34	97.9	96.6 - 98.8	95.2	90.7 - 97.9	78.7	69.2 - 86.2	95.5	94.0 - 96.7
Vermont	8	94.5	89.5 - 97.6	90.0	80.4 - 95.8	100.0	91.8 - 100.0	94.2	90.5 - 96.7
Virginia	165	91.3	90.3 - 92.2	90.6	88.7 - 92.2	80.0	33.4 - 99.0	91.1	90.3 - 91.9
Washington	86	91.0	89.9 - 92.0	83.7	81.1 - 86.0	94.1	89.4 - 97.1	89.4	88.4 - 90.4
West Virginia	36	88.2	85.9 - 90.2	90.6	85.8 - 94.1	100.0	5.0 - 100.0	88.6	86.6 - 90.5
Wisconsin	115	95.7	94.8 - 96.5	95.2	93.0 - 96.8	98.6	93.3 - 99.9	95.7	94.9 - 96.4
Wyoming	8	88.4	81.8 - 93.3	100.0	82.9 - 100.0	100.0	80.7 - 100.0	90.7	85.3 - 94.6
United States	6,385	87.8	87.7 - 88.0	84.5	84.2 - 84.9	85.4	84.6 - 86.1	87.0	86.9 - 87.2
Range	8 - 604	78.2- 97.9	--	60.1-100.0	--	0.0-100.0	--	75.0- 96.8	--

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.

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