

Preliminary prevalence of influenza vaccination and location* of the vaccination among currently employed non-military workers by occupation
Behavioral Risk Factor Surveillance System (BRFSS), 30 states, 2018**

Occupation	2010 Census codes	2010 SOC codes	Weighted number (*1,000)****	Had an influenza vaccination within the previous 12 months % (95% CI)	Received last flu vaccine at a doctor's office or health maintenance organization (HMO) % (95% CI)	Received last flu vaccine at a clinic or community health center % (95% CI)	Received last flu vaccine at a store (supermarket, drug store) % (95% CI)	Received last flu vaccine at a hospital (inpatient) % (95% CI)	Received last flu vaccine at a workplace**** % (95% CI)	Received last flu vaccine at another kind of place (other)***** % (95% CI)
All workers			109,336	27.8 (27.3, 28.4)	32.7 (31.5, 33.9)	8.0 (7.3, 8.8)	21.5 (20.6, 22.5)	9.6 (8.8, 10.5)	22.8 (21.9, 23.8)	5.4 (4.9, 5.9)
Management Occupations			9,439	30.4 (28.3, 32.4)	39.5 (35.6, 43.5)	8.0 (5.3, 11.5)	22.1 (19.4, 24.9)	5.3 (3.5, 7.5)	20.9 (18.2, 23.8)	4.2 (3.1, 5.6)
Legislators	0010-0030	11-1000	1,142	31.4 (24.8, 38.6)	49.5 (36.4, 62.7)		24.0 (15.4, 34.4)		14.7 (9.0, 22.1)	
Chief executives	0010	11-1011	496	41.6 (31.2, 52.5)	45.4 (28.2, 63.6)		28.8 (16.7, 44.9)			
General and operations managers	0020	11-1021	643	23.6 (16.1, 32.5)	55.0 (38.3, 70.6)		18.3 (10.6, 29.7)		17.1 (9.3, 29.3)	
Public relations and fundraising managers	0040-0060	11-2000	422	27.7 (20.1, 36.4)	48.2 (33.6, 63.0)		28.0 (16.2, 42.5)		20.4 (11.2, 32.6)	
Marketing and sales managers	0050	11-2020	359	26.1 (18.4, 35.0)	41.4 (27.6, 56.6)		33.5 (20.7, 49.3)		21.2 (11.7, 35.3)	
Transportation, storage, and distribution managers	0100-0160	11-3000	1,295	33.2 (27.4, 39.3)	28.6 (21.5, 36.7)		29.3 (20.7, 39.3)		28.0 (19.6, 37.7)	
Administrative services managers	0100	11-3011	48	47.7 (24.9, 71.2)						
Computer and information systems managers	0110	11-3021	253	40.7 (26.3, 56.3)						
Financial managers	0120	11-3031	554	33.4 (23.6, 44.3)	32.3 (21.1, 45.9)		36.3 (22.3, 53.0)		24.0 (14.0, 38.0)	
Human resources managers	0136	11-3121	74	41.9 (26.7, 58.2)			36.3 (18.9, 58.1)			
Purchasing managers	0150	11-3061	50	29.1 (14.3, 48.1)						
Transportation, storage, and distribution managers	0160	11-3071	183	23.8 (14.6, 35.3)	38.1 (21.1, 58.7)					
Managers, all other	0205-0430	11-9000	6,580	29.8 (27.4, 32.2)	39.7 (35.0, 44.5)	9.1 (5.7, 13.7)	19.7 (17.0, 22.7)	6.3 (3.9, 9.4)	20.4 (17.4, 23.8)	4.8 (3.3, 6.6)
Farmers, ranchers, and other agricultural managers	0205	11-9013	889	19.8 (15.9, 24.1)	47.0 (35.9, 58.3)	13.1 (8.7, 19.3)	28.2 (21.1, 36.6)	2.6 (1.5, 4.3)		6.2 (4.2, 9.0)
Construction managers	0220	11-9021	741	17.1 (12.7, 22.3)	41.3 (28.5, 55.4)		23.8 (15.0, 35.4)			
Education administrators	0230	11-9030	450	39.7 (32.0, 47.8)	36.2 (24.6, 49.7)		22.2 (14.4, 32.6)		21.8 (15.1, 30.5)	
Food service managers	0310	11-9051	593	23.9 (17.6, 31.1)	50.9 (35.9, 65.8)		32.1 (19.7, 47.6)			
Lodging managers	0340	11-9081	85	44.3 (27.3, 62.2)						
Medical and health services managers	0350	11-9111	699	50.5 (42.2, 58.8)	24.1 (15.2, 35.9)		9.8 (5.4, 17.2)		40.4 (30.2, 51.5)	
Property, real estate, and community association managers	0410	11-9141	425	27.2 (17.1, 39.5)	68.7 (51.1, 82.1)		24.7 (13.9, 40.1)			
Social and community service managers	0420	11-9151	261	29.2 (15.6, 46.1)	46.2 (31.3, 61.8)		26.2 (15.9, 40.1)			
Managers, all other	0430	11-9199	2,270	32.1 (27.7, 36.7)	38.1 (30.1, 46.8)		17.2 (13.2, 22.0)		23.6 (18.4, 29.9)	
Business and Financial Operations Occupations	0500-0950	13-0000	3,808	32.7 (29.5, 35.9)	34.9 (29.8, 40.4)	5.6 (3.8, 8.0)	24.8 (19.6, 30.5)		23.8 (19.5, 28.6)	4.6 (2.6, 7.4)
Business operations specialists, all other	0500-0740	13-1000	2,203	35.5 (28.6, 36.6)	35.8 (29.1, 42.8)	6.8 (4.1, 10.5)	23.8 (17.4, 31.2)	4.3 (2.3, 7.2)	24.8 (19.0, 31.4)	
Purchasing agents, except wholesale, retail, and farm products	0530	13-1023	90	29.2 (16.6, 44.6)						
Claims adjusters, appraisers, examiners, and investigators	0540	13-1030	135	24.3 (11.6, 41.5)						
Compliance officers	0565	13-1041	71	36.9 (21.5, 54.6)						
Human resources workers	0630	13-1070	338	39.8 (29.5, 50.7)	21.6 (14.0, 31.8)				48.7 (34.0, 63.6)	
Management analysts	0710	13-1111	414	32.8 (24.8, 41.6)	38.1 (25.1, 53.0)		17.5 (10.6, 27.4)		29.2 (17.6, 44.3)	
Market research analysts and marketing specialists	0735	13-1161	293	33.2 (24.3, 43.1)	45.7 (31.2, 61.0)		19.6 (11.6, 31.1)			
Business operations specialists, all other	0740	13-1199	369	29.4 (21.2, 38.8)	35.6 (22.3, 51.5)		35.8 (21.4, 53.4)		16.2 (9.5, 26.2)	
Financial specialists, all other	0800-0950	13-2000	1,605	32.9 (27.8, 38.4)	33.8 (28.8, 42.5)	4.1 (2.2, 6.8)	26.0 (17.8, 35.7)		22.4 (16.3, 29.6)	
Accountants and auditors	0800	13-2011	971	30.8 (23.8, 38.6)	29.0 (20.1, 40.0)		20.3 (12.7, 30.8)		28.1 (18.8, 39.7)	
Appraisers and assessors of real estate	0810	13-2021	40	33.2 (15.6, 55.1)						
Financial analysts	0840	13-2051	40	54.9 (30.9, 77.2)						
Personal financial advisors	0850	13-2052	246	34.8 (24.5, 46.2)	33.7 (20.9, 49.5)		39.2 (23.6, 57.3)			
Insurance underwriters	0860	13-2053	40	46.0 (27.9, 64.8)						
Computer and mathematical occupations	1000-1240	15-0000	2,573	35.5 (31.6, 39.5)	28.3 (22.4, 34.8)	4.4 (3.0, 6.2)	22.1 (17.2, 27.5)		33.6 (27.8, 39.8)	
Computer occupations, all other	1005-1107	15-1000	2,453	34.8 (30.8, 39.0)	28.3 (22.1, 35.1)	4.6 (3.1, 6.5)	21.0 (16.2, 26.5)		33.8 (27.6, 40.3)	
Computer systems analysts	1006	15-1121	322	33.9 (24.2, 44.8)	30.1 (18.4, 45.1)		12.0 (6.6, 20.7)		31.4 (20.2, 45.3)	
Computer programmers	1010	15-1131	222	39.9 (23.7, 57.9)	32.9 (18.4, 51.5)		29.8 (16.2, 48.3)			
Software developers, applications and systems software	1020	15-113X	686	35.1 (28.4, 42.3)	22.7 (15.8, 31.6)		31.8 (21.5, 44.2)		29.5 (21.0, 39.7)	
Web developers	1030	15-1134	54	37.1 (21.1, 55.6)						
Computer support specialists	1050	15-1150	165	43.2 (22.6, 65.6)						
Computer occupations, all other	1107	15-1199	833	32.7 (26.0, 39.9)	27.6 (18.9, 38.5)	6.2 (3.7, 10.3)	12.8 (8.4, 19.2)		41.3 (30.3, 53.3)	
Miscellaneous mathematical science occupations	1200-1240	15-2000	120	47.9 (34.1, 61.9)					30.8 (16.3, 48.7)	
Operations research analysts	1220	15-2031	95	50.4 (34.1, 66.7)						
Architecture and Engineering Occupations	1300-1560	17-0000	2,356	30.9 (26.8, 35.3)	33.6 (24.9, 43.1)	5.5 (3.2, 8.9)	20.4 (14.8, 27.0)	2.7 (1.3, 4.7)	34.8 (28.0, 42.0)	
Surveyors, cartographers, and photogrammetrists	1300-1310	17-1000	274	35.5 (21.7, 51.3)	36.6 (19.0, 57.3)		44.2 (20.7, 69.8)			
Architects, except naval	1300	17-1010	236	34.4 (19.1, 52.5)	29.3 (15.5, 48.4)		50.3 (26.5, 74.0)			
Surveyors, cartographers, and photogrammetrists	1310	17-1020	38	41.8 (19.3, 67.0)						
Engineers, all other	1320-1530	17-2000	1,752	31.5 (26.7, 36.7)	32.8 (22.1, 45.0)	5.1 (2.7, 8.6)	17.5 (12.7, 23.2)		38.9 (30.4, 48.0)	
Chemical engineers	1350	17-2041	39	41.8 (22.4, 63.2)						
Civil engineers	1360	17-2051	421	28.4 (20.4, 37.6)	39.5 (23.6, 58.0)		19.6 (11.3, 31.7)		24.2 (13.8, 38.9)	
Computer hardware engineers	1400	17-2061	62	60.0 (31.3, 84.3)						
Electrical and electronics engineers	1410	17-2070	173	20.6 (12.2, 31.3)					61.8 (44.5, 76.6)	
Industrial engineers, including health and safety	1430	17-2110	224	29.4 (20.9, 39.1)	18.9 (12.2, 28.3)		10.7 (6.4, 17.4)		59.6 (47.6, 70.5)	
Mechanical engineers	1460	17-2141	148	26.3 (18.8, 34.9)	31.3 (19.2, 46.7)		25.8 (14.0, 42.6)		38.4 (24.4, 54.5)	
Engineers, all other	1530	17-2199	391	38.8 (30.5, 47.7)	27.4 (17.9, 39.7)		19.0 (12.5, 27.7)		41.4 (28.4, 55.8)	
Surveying and mapping technicians	1540-1560	17-3000	330	24.6 (17.0, 33.5)	35.1 (19.5, 53.4)				29.5 (17.9, 43.5)	
Engineering technicians, except drafters	1550	17-3020	285	24.7 (16.3, 34.9)	35.5 (19.9, 55.0)				26.1 (15.7, 40.2)	
Life, Physical, and Social Science Occupations	1600-1965	19-0000	1,159	42.7 (36.6, 49.0)	32.9 (23.9, 43.1)	3.2 (1.9, 5.0)	18.9 (12.2, 27.2)		28.2 (21.1, 36.2)	
Life scientists, all other	1600-1660	19-1000	225	57.6 (43.3, 71.0)					17.7 (8.9, 30.1)	
Biological scientists	1610	19-1020	59	47.2 (20.7, 75.0)						
Medical scientists	1650	19-1040	86	72.7 (56.8, 85.3)						
Physical scientists, all other	1700-1760	19-2000	359	34.3 (26.3, 43.1)	24.7 (16.8, 34.1)		15.8 (9.5, 24.2)		43.4 (31.5, 55.8)	
Environmental scientists and geoscientists	1740	19-2040	68	31.4 (17.4, 48.4)						
Physical scientists, all other	1760	19-2099	221	40.3 (28.1, 53.5)	19.5 (11.6, 30.8)				51.6 (37.5, 65.5)	
Miscellaneous social scientists and related workers	1800-1860	19-3000	250	48.8 (34.4, 63.3)	42.8 (23.4, 64.0)					
Psychologists	1820	19-3030	149	59.8 (40.8, 76.9)	49.4 (25.7, 73.3)					
Miscellaneous life, physical, and social science technicians	1900-1965	19-4000	325	36.6 (26.1, 48.3)			19.3 (9.6, 32.6)		34.8 (18.6, 54.0)	
Miscellaneous life, physical, and social science technicians	1965	19-4090	230	45.2 (32.7, 58.2)					33.8 (18.0, 54.4)	
Community and Social Service Occupations	2000-2060	21-0000	1,506	32.5 (27.6, 37.6)	34.1 (26.1, 42.8)	5.3 (2.8, 9.1)	24.7 (15.5, 35.9)	7.3 (3.6, 12.8)	19.9 (15.0, 25.6)	8.7 (4.6, 14.8)
Miscellaneous community and social service specialists, including health educators and community health workers	2000-2025	21-1000	1,208	32.9 (27.4, 38.7)	31.6 (22.5, 41.9)		24.3 (13.6, 38.0)		22.7 (16.7, 29.7)	6.9 (3.8, 11.5)
Counselors	2000	21-1010	378	23.8 (16.9, 32.0)	26.7 (16.9, 39.6)		24.9 (14.1, 40.1)		24.7 (15.4, 37.2)	
Social workers	2010	21-1020	551	34.2 (28.2, 40.7)	33.6 (25.5, 42.8)		16.7 (10.7, 25.1)		26.2 (18.8, 35.4)	
Social and human service assistants	2016	21-1093	142	37.2 (18.7, 58.9)						
Miscellaneous community and social service specialists, including health educators and community health workers	2025	21-109X	118	48.0 (20.9, 75.9)						
Religious workers, all other	2040-2060	21-2000	298	31.0 (20.9, 42.7)	44.5 (28.9, 61.0)		26.1 (13.3, 42.7)			
Clergy	2040	21-2011	250	33.2 (21.2, 47.0)	44.8 (29.2, 61.5)					
Legal Occupations	2100-2160	23-0000	1,096	41.0 (35.1, 47.1)	40.6 (31.6, 50.1)	5.9 (3.0, 10.5)	29.8 (22.5, 37.9)		20.6 (14.3, 28.2)	
Judges, magistrates, and other judicial workers	2100-2110	23-1000	805	47.4 (40.1, 54.8)	39.7 (29.6, 50.5)		30.0 (22.0, 39.1)		21.9 (14.6, 30.6)	
Lawyers	2100	23-1011	787	47.7 (40.2, 55.2)	40.1 (30.4, 50.6)		30.4 (22.7, 39.3)		21.8 (15.1, 30.5)	
Miscellaneous legal support workers	2145-2160	23-2000	291	22.9 (15.2, 32.1)	45.9 (28.0, 64.6)					
Paralegals and legal assistants	2145	23-2011	214	22.7 (14.0, 33.6)	50.2 (31.0, 69.4)					
Education, Training, and Library Occupations	2200-2550	25-0000	4,459	33.8 (31.1, 36.7)	33.2 (28.9, 37.7)	4.1 (3.1,				

Occupation	2010 Census codes	2010 SOC codes	Weighted number (*1,000)***	Had an influenza vaccination within the previous 12 months % (95% CI)	Received last flu vaccine at a doctor's office or health maintenance organization (HMO) % (95% CI)	Received last flu vaccine at a clinic or community health center % (95% CI)	Received last flu vaccine at a store (supermarket, drug store) % (95% CI)	Received last flu vaccine at a hospital (inpatient) % (95% CI)	Received last flu vaccine at a workplace**** % (95% CI)	Received last flu vaccine at another kind of place (other)***** % (95% CI)
All workers			109,336	27.8 (27.3, 28.4)	32.7 (31.5, 33.9)	8.0 (7.3, 8.8)	21.5 (20.6, 22.5)	9.6 (8.8, 10.5)	22.8 (21.9, 23.8)	5.4 (4.9, 5.9)
News analysts, reporters and correspondents	2810	27-3020	59	38.7 (19.9, 60.3)						
Public relations specialists	2825	27-3031	103	53.6 (21.6, 83.6)						
Editors	2830	27-3041	51	47.3 (29.9, 65.8)						
Writers and authors	2850	27-3043	152	38.9 (24.9, 54.2)	51.5 (28.8, 73.6)					
Media and communication equipment workers, all other	2900-2960	27-4000	207	38.4 (24.9, 53.3)	51.9 (25.2, 77.8)					
Broadcast and sound engineering technicians and radio operator	2900	27-4010	66	42.5 (21.0, 66.4)						
Photographers	2910	27-4021	105	30.6 (16.5, 47.9)						
Healthcare Practitioners and Technical Occupations	3000-3540	29-0000	6,675	55.3 (52.5, 58.1)	20.5 (17.2, 24.2)	6.4 (4.4, 9.0)	10.4 (8.7, 12.4)	23.1 (19.6, 26.9)	37.4 (33.6, 41.3)	2.2 (1.7, 2.9)
Health diagnosing and treating practitioners, all other	3000-3260	29-1000	5,082	56.7 (53.5, 59.8)	20.0 (16.8, 23.4)	7.0 (4.6, 10.3)	10.6 (8.6, 12.8)	23.1 (19.1, 27.5)	37.4 (33.7, 41.3)	1.9 (1.4, 2.5)
Dentists	3010	29-1020	74	56.8 (38.7, 73.6)	38.8 (23.1, 57.2)		33.9 (17.8, 54.7)			
Dietitians and nutritionists	3030	29-1031	77	34.0 (22.7, 46.9)					39.7 (24.8, 56.7)	
Pharmacists	3050	29-1051	171	65.4 (54.0, 75.7)			34.1 (21.8, 48.9)		31.9 (18.5, 49.3)	
Physicians and surgeons	3060	29-1060	864	69.2 (62.6, 75.3)	30.9 (23.3, 39.7)		7.0 (4.1, 11.6)	19.6 (13.9, 26.9)	26.6 (19.8, 34.6)	
Physician assistants	3110	29-1071	95	48.0 (27.6, 68.8)						
Occupational therapists	3150	29-1122	58	38.3 (17.3, 63.2)					45.4 (23.0, 69.8)	
Physical therapists	3160	29-1123	122	65.3 (52.5, 76.6)					53.4 (35.8, 70.1)	
Respiratory therapists	3220	29-1126	56	43.4 (24.9, 63.4)						
Speech-language pathologists	3230	29-1127	86	48.1 (33.4, 63.0)	38.4 (21.4, 58.8)					
Therapists, all other	3245	29-1129	155	43.7 (26.8, 61.8)					22.2 (12.1, 37.2)	
Veterinarians	3250	29-1131	63	14.7 (7.3, 25.4)						
Registered nurses	3255	29-1141	2,942	57.5 (53.0, 61.8)	17.2 (13.2, 22.2)	4.5 (3.0, 6.6)	8.3 (6.1, 11.3)	26.9 (21.2, 33.4)	41.0 (35.9, 46.3)	2.1 (1.5, 3.0)
Nurse practitioners	3258	29-1171	202	43.2 (23.3, 64.9)					55.7 (35.4, 74.2)	
Miscellaneous health technologists and technicians	3300-3535	29-2000	1,532	51.2 (44.5, 57.8)	22.0 (12.1, 35.0)	3.4 (1.9, 5.4)	10.1 (6.7, 14.4)	23.6 (16.3, 32.3)	37.3 (26.0, 49.7)	3.6 (1.8, 6.4)
Clinical laboratory technologists and technicians	3300	29-2010	227	72.0 (52.8, 86.7)						
Dental hygienists	3310	29-2021	91	37.4 (25.2, 50.9)	44.8 (24.9, 66.4)					
Diagnostic related technologists and technicians	3320	29-2030	151	61.7 (47.6, 74.4)				42.9 (26.2, 61.3)	23.0 (13.1, 37.4)	
Emergency medical technicians and paramedics	3400	29-2041	239	53.8 (33.4, 73.3)						
Health practitioner support technologists and technicians	3420	29-2050	311	37.6 (27.7, 48.3)			33.0 (20.6, 48.4)		21.2 (13.2, 32.1)	
Licensed practical and licensed vocational nurses	3500	29-2061	261	54.1 (41.8, 66.0)	18.8 (10.4, 31.7)				44.5 (29.2, 60.8)	
Medical records and health information technicians	3510	29-2071	72	69.1 (39.6, 90.3)						
Miscellaneous health technologists and technicians	3535	29-2090	163	36.3 (21.3, 53.5)					33.2 (20.1, 49.4)	
Other healthcare practitioners and technical occupations	3540-3540	29-9000	61	45.9 (26.7, 66.0)						
Healthcare Support Occupations	3600-3655	31-0000	1,849	38.0 (33.8, 42.2)	28.5 (21.2, 36.7)	6.7 (4.0, 10.5)	11.1 (7.8, 15.3)	11.3 (8.0, 15.4)	34.1 (28.1, 40.6)	8.2 (4.2, 14.0)
Nursing, psychiatric, and home health aides	3600-3600	31-1000	1,052	41.6 (35.9, 47.6)	29.4 (19.9, 41.1)			10.2 (6.8, 15.0)	37.6 (34.6, 42.3)	
Healthcare support workers, all other, including medical equipment	3630-3655	31-9000	740	32.7 (27.0, 38.7)	28.1 (19.3, 38.4)			13.8 (7.5, 22.6)	35.2 (25.8, 45.5)	
Dental assistants	3640	31-9091	134	25.7 (13.4, 41.5)						
Medical assistants	3645	31-9092	343	40.0 (30.8, 49.8)	26.3 (16.6, 39.2)				44.7 (31.6, 58.6)	
Phlebotomists	3649	31-9097	54	40.9 (23.5, 60.1)						
Healthcare support workers, all other, including medical equipment	3655	31-909X	57	37.0 (17.3, 60.4)						
Protective Service Occupations	3700-3955	33-0000	1,922	26.6 (22.5, 31.0)	37.5 (27.9, 47.7)	6.6 (3.8, 10.6)	14.4 (9.9, 20.1)		27.5 (19.9, 36.3)	6.6 (4.0, 10.1)
First-line supervisors of protective service workers, all other	3700-3730	33-1000	106	32.9 (18.1, 50.7)						
Fire inspectors	3740-3750	33-2000	261	28.3 (20.5, 37.2)	26.0 (15.0, 39.7)				47.4 (34.0, 61.1)	
Firefighters	3740	33-2011	241	29.8 (21.3, 39.4)	26.7 (16.3, 40.4)				47.6 (34.6, 60.9)	
Transit and railroad police	3800-3860	33-3000	833	27.8 (21.5, 34.7)	34.4 (20.0, 51.3)		11.9 (6.8, 18.8)		37.4 (20.9, 50.0)	
Bailiffs, correctional officers, and jailers	3800	33-3010	133	30.9 (18.8, 45.3)						
Police and sheriff's patrol officers	3850	33-3051	633	28.4 (20.8, 36.9)	38.8 (22.8, 57.6)		10.7 (6.0, 18.3)		33.0 (19.0, 51.0)	
Lifeguards and other recreational, and all other protective service workers	3900-3955	33-9000	723	23.8 (16.8, 31.9)	45.8 (27.8, 64.5)					
Security guards and gaming surveillance officers	3930	33-9030	588	23.0 (14.9, 32.9)	42.5 (22.9, 64.7)					
Food Preparation and Serving Related Occupations	4000-4160	35-0000	3,677	17.4 (14.8, 20.2)	35.9 (28.8, 43.4)	15.4 (9.5, 23.1)	30.1 (22.6, 38.4)	7.9 (4.7, 12.3)	5.8 (3.6, 8.6)	5.0 (2.9, 8.0)
First-line supervisors of food preparation and serving workers	4000-4010	35-1000	714	19.0 (11.6, 28.5)	40.7 (21.9, 61.9)					
First-line supervisors of food preparation and serving workers	4010	35-1012	250	30.2 (17.6, 45.4)	50.7 (25.5, 75.6)					
Food preparation workers	4020-4030	35-2000	1,372	17.4 (14.0, 21.3)	32.5 (23.4, 42.7)		30.9 (21.0, 42.3)	8.2 (4.6, 13.4)	12.0 (6.9, 19.0)	
Cooks	4020	35-2010	1,131	15.8 (12.3, 19.8)	35.8 (25.5, 47.7)		26.5 (16.8, 39.0)	8.4 (4.7, 14.6)	13.4 (7.7, 22.4)	
Food preparation workers	4030	35-2021	241	25.1 (15.4, 37.2)	22.9 (12.4, 38.4)		43.9 (24.1, 65.8)			
Food servers, nonrestaurant	4040-4120	35-3000	1,288	13.6 (10.2, 17.7)	42.6 (29.1, 56.9)		22.2 (13.4, 33.2)	9.2 (4.6, 15.9)		
Waiters and waitresses	4110	35-3031	804	10.7 (7.1, 15.3)	54.6 (37.7, 70.5)		15.5 (8.5, 26.5)			
Food servers, nonrestaurant	4120	35-3041	47	45.8 (28.3, 64.1)						
Food preparation and serving related workers, all other	4130-4160	35-9000	303	29.8 (18.6, 43.0)						
Dishwashers	4140	35-9021	110	35.7 (16.2, 59.4)						
Building and Grounds Cleaning and Maintenance Occupations	4200-4250	37-0000	4,074	21.9 (19.0, 25.0)	28.6 (22.6, 35.2)	13.6 (9.6, 18.5)	23.7 (16.5, 32.3)	14.1 (8.6, 21.3)	11.8 (8.3, 16.2)	8.2 (5.3, 12.1)
First-line supervisors of landscaping, lawn service, and groundskeeping workers	4200-4210	37-1000	153	37.0 (22.5, 53.4)						
First-line supervisors of housekeeping and janitorial workers	4200	37-1011	114	40.1 (22.4, 59.9)						
Pest control workers	4220-4240	37-2000	3,018	23.6 (20.1, 27.5)	28.4 (21.6, 35.9)	12.2 (8.3, 17.3)	21.6 (13.3, 31.9)	15.1 (8.9, 23.3)	14.3 (9.9, 19.8)	8.5 (5.0, 13.2)
Janitors and building cleaners	4220	37-201X	1,957	21.9 (17.5, 26.9)	29.7 (21.2, 39.8)	8.5 (5.5, 12.9)	25.9 (15.2, 40.7)	16.0 (9.1, 26.7)	13.4 (8.6, 20.2)	6.5 (4.0, 10.4)
Maids and housekeeping cleaners	4230	37-2012	996	27.7 (21.7, 34.5)	25.2 (16.5, 36.6)	18.7 (11.1, 29.7)		15.1 (8.4, 25.7)	16.1 (9.3, 26.5)	
Grounds maintenance workers	4250-4250	37-3000	904	13.8 (9.5, 19.2)	29.7 (16.3, 48.0)			30.3 (16.6, 48.6)		
Personal Care and Service Occupations	4300-4650	39-0000	2,979	25.0 (21.5, 28.8)	50.4 (42.1, 58.7)	10.7 (7.3, 15.2)		20.8 (15.7, 26.7)	6.8 (3.5, 11.7)	6.1 (3.3, 10.2)
Miscellaneous personal appearance workers	4500-4520	39-5000	670	19.6 (14.5, 25.7)	43.8 (29.5, 58.8)			20.9 (11.6, 33.0)		
Hairdressers, hairstylists, and cosmetologists	4510	39-5012	493	20.6 (14.4, 27.9)	38.6 (24.5, 54.9)			19.5 (10.6, 33.1)		
Personal care and service workers, all other	4600-4650	39-9000	1,903	25.9 (21.4, 30.7)	49.0 (38.8, 59.1)	10.9 (6.8, 16.3)		21.8 (15.3, 29.5)	6.7 (3.4, 11.5)	
Childcare workers	4600	39-9011	693	24.3 (17.9, 31.7)	43.2 (31.1, 56.1)	15.9 (9.0, 26.6)		26.4 (17.3, 38.2)		
Personal care aides	4610	39-9021	926	27.8 (20.9, 35.6)	51.1 (36.4, 65.7)			20.5 (11.9, 32.9)		
Recreation and fitness workers	4620	39-9030	153	29.3 (15.8, 46.2)						
Sales and Related Occupations	4700-4965	41-0000	8,713	20.8 (19.1, 22.6)	40.3 (35.6, 45.0)	7.7 (5.2, 10.7)	32.5 (28.4, 36.9)	6.5 (4.1, 9.6)	8.1 (6.3, 10.2)	5.0 (3.4, 7.2)
First-line supervisors of non-retail sales workers	4700-4710	41-1000	1,653	17.6 (13.7, 22.1)	44.0 (31.4, 57.2)				32.6 (22.1, 44.5)	
First-line supervisors of retail sales workers	4700	41-1011	1,422	16.7 (12.6, 21.4)	45.0 (32.2, 58.4)		34.4 (23.6, 47.2)		5.6 (3.1, 9.8)	
First-line supervisors of non-retail sales workers	4710	41-1012	230	23.4 (12.5, 37.7)						
Retail salespersons	4720-4760	41-2000	4,349	19.3 (16.8, 21.9)	38.9 (31.7, 46.6)	9.2 (4.9, 15.4)	29.4 (23.3, 36.0)	8.1 (4.9, 12.5)	7.8 (5.0, 11.7)	6.5 (3.6, 10.7)
Cashiers	4720	41-2010	2,082	19.2 (15.3, 23.7)	36.4 (25.3, 49.2)			22.6 (14.7, 33.0)		
Retail salespersons	4760	41-2031	2,200	19.4 (16.4, 22.8)	41.6 (33.4, 50.3)		5.1 (2.8, 8.9)	35.6 (28.0, 44.0)	7.0 (4.2, 11.4)	
Sales representatives, services, all other	4800-4840	41-3000	964	26.1 (21.5, 31.2)	35.7 (26.2, 46.2)		36.9 (27.3, 47.4)		10.6 (6.1, 16.9)	
Advertising sales agents	4800	41-3011	45	39.4 (19.8, 61.9)						
Insurance sales agents	4810	41-3021	405	29.6 (21.9, 38.3)	44.1 (29.3, 60.0)		30.7 (18.9, 45.8)			
Securities, commodities, and financial services sales agents	4820	41-3031	102	22.3 (11.0, 37.5)						
Travel agents	4830	41-3041	53	45.3 (23.1, 68.9)						
Sales representatives, services, all other	4840	41-3099	358	18.9 (12.9, 26.1)	32.8 (20.3, 48.5)			28.8 (17.5, 43.6)		
Sales representatives, wholesale and manufacturing	4850-4850	41-4000	560	22.5 (15.9, 30.3)	29.5 (17.9, 44.6)		45.0 (28.0, 63.2)			
Sales and related workers, all other	4900-4965	41-9000	1,187	25.7 (21.1, 30.8)	48.5 (37.8, 59.3)		31.8 (23.5, 41.1)		3.1 (1.6, 5.4)	
Real estate brokers and sales agents	4920									

Occupation	2010 Census codes	2010 SOC codes	Weighted number (*1,000)***	Had an influenza vaccination within the previous 12 months % (95% CI)	Received last flu vaccine at a doctor's office or health maintenance organization (HMO) % (95% CI)	Received last flu vaccine at a clinic or community health center % (95% CI)	Received last flu vaccine at a store (supermarket, drug store) % (95% CI)	Received last flu vaccine at a hospital (inpatient) % (95% CI)	Received last flu vaccine at a workplace**** % (95% CI)	Received last flu vaccine at another kind of place (other)***** % (95% CI)
All workers			109,336	27.8 (27.3, 28.4)	32.7 (31.5, 33.9)	8.0 (7.3, 8.8)	21.5 (20.6, 22.5)	9.6 (8.8, 10.5)	22.8 (21.9, 23.8)	5.4 (4.9, 5.9)
Insurance claims and policy processing clerks	5840	43-9041	94	24.2 (12.4, 39.8)						
Office clerks, general	5860	43-9061	853	28.3 (23.6, 33.5)	33.7 (25.5, 42.9)	3.7 (2.2, 6.3)	19.7 (13.9, 27.1)		33.1 (24.4, 43.3)	
Office and administrative support workers, all other	5940	43-9199	444	37.6 (25.8, 50.5)	17.4 (9.8, 26.9)					
Farming, Fishing, and Forestry Occupations	6005-6130	45-0000	738	21.1 (14.3, 29.2)	27.3 (13.6, 45.0)					
Miscellaneous agricultural workers	6010-6050	45-2000	635	22.5 (14.8, 31.8)		38.2 (19.9, 59.3)				
Miscellaneous agricultural workers	6050	45-2090	603	23.4 (15.4, 33.2)		41.8 (21.8, 64.0)				
						42.4 (24.0, 63.2)				
Construction and Extraction Occupations	6200-6940	47-0000	6,677	15.1 (12.9, 17.4)	34.8 (28.0, 42.2)	10.6 (5.5, 18.0)	25.9 (18.1, 34.9)	12.5 (6.9, 20.2)	8.6 (5.9, 12.1)	7.6 (4.7, 11.5)
First-line supervisors of construction trades and extraction workers	6200-6200	47-1000	657	16.1 (10.7, 22.7)	48.9 (31.0, 67.0)					
Solar photovoltaic installers	6210-6540	47-2000	5,690	14.7 (12.3, 17.3)	33.4 (25.9, 41.6)	11.8 (5.8, 20.7)	26.0 (17.0, 36.9)	13.0 (6.7, 21.8)	9.1 (5.9, 13.3)	6.7 (3.7, 11.0)
Carpenters	6230	47-2031	809	13.0 (8.0, 19.6)	26.4 (14.4, 43.3)					
Construction laborers	6260	47-2061	2,618	14.1 (11.0, 17.7)	36.7 (25.9, 48.9)		21.7 (14.4, 31.5)			6.7 (3.8, 11.3)
Operating engineers and other construction equipment operators	6320	47-2073	303	18.5 (9.9, 30.1)	48.5 (23.5, 74.3)					
Electricians	6355	47-2111	764	20.7 (11.3, 33.3)						
Painters, construction and maintenance	6420	47-2141	288	12.6 (6.4, 21.5)						
Pipelayers, plumbers, pipefitters, and steamfitters	6440	47-2150	409	16.6 (8.7, 27.5)						
Miscellaneous construction and related workers	6660-6765	47-4000	78	19.9 (10.6, 32.3)						
Other extraction workers	6800-6940	47-5000	134	22.2 (11.3, 37.0)						
Installation, Maintenance, and Repair Occupations	7000-7630	49-0000	3,502	19.5 (16.9, 22.3)	35.4 (27.6, 43.9)	9.5 (6.4, 13.5)	18.3 (13.9, 23.4)	11.4 (6.2, 18.8)	19.6 (15.0, 24.9)	5.8 (3.3, 9.3)
First-line supervisors of mechanics, installers, and repairers	7000-7000	49-1000	108	48.3 (21.4, 75.9)						
Security and fire alarm systems installers	7010-7130	49-2000	318	21.3 (13.4, 31.2)						
Computer, automated teller, and office machine repairers	7010	49-2011	85	27.1 (15.3, 41.8)						
Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers	7140-7260	49-3000	1,675	14.5 (11.4, 18.1)	38.3 (26.7, 51.0)	12.3 (6.3, 20.9)	15.8 (10.2, 23.0)		14.3 (8.8, 21.7)	
Aircraft mechanics and service technicians	7140	49-3011	87	28.3 (15.8, 43.9)						
Automotive service technicians and mechanics	7200	49-3023	1,067	15.4 (11.0, 20.6)	36.3 (22.4, 53.1)		14.0 (8.2, 23.0)		14.5 (8.0, 25.1)	
Bus and truck mechanics and diesel engine specialists	7210	49-3031	168	16.3 (8.3, 27.5)						
Heavy vehicle and mobile equipment service technicians and mechanics	7220	49-3040	167	5.5 (2.9, 9.5)						
Other installation, maintenance, and repair workers	7300-7630	49-9000	1,401	22.8 (19.1, 26.8)	30.0 (22.3, 38.6)	10.0 (5.7, 15.8)	18.2 (12.3, 25.4)		26.0 (18.5, 34.6)	
Heating, air conditioning, and refrigeration mechanics and installers	7315	49-9021	225	13.7 (8.4, 20.7)						
Industrial and refractory machinery mechanics	7330	49-904X	247	22.1 (14.9, 30.7)					41.5 (25.2, 59.8)	
Maintenance and repair workers, general	7340	49-9071	581	23.7 (17.7, 30.5)	37.8 (26.4, 50.9)		19.5 (11.2, 31.7)			
Production Occupations	7700-8965	51-0000	4,015	20.1 (17.8, 22.6)	32.6 (26.1, 39.5)	7.7 (5.2, 11.0)	15.7 (12.0, 20.0)		30.1 (24.8, 35.8)	5.1 (3.3, 7.5)
First-line supervisors of production and operating workers	7700-7700	51-1000	215	26.9 (17.7, 37.9)					54.1 (36.3, 70.9)	
Miscellaneous assemblers and fabricators	7710-7750	51-2000	493	22.5 (16.7, 29.2)	21.7 (11.9, 34.4)				39.6 (24.6, 56.2)	
Miscellaneous assemblers and fabricators	7750	51-2090	402	22.4 (16.0, 29.9)	19.5 (10.6, 33.1)				43.7 (27.6, 61.2)	
Food processing workers, all other	7800-7855	51-3000	325	15.9 (10.0, 23.4)	40.5 (21.2, 62.2)					
Bakers	7800	51-3011	108	15.3 (8.0, 25.6)						
Butchers and other meat, poultry, and fish processing workers	7810	51-3020	91	12.9 (6.7, 21.7)						
Metal workers and plastic workers, all other	7900-8220	51-4000	728	13.8 (10.6, 17.6)	44.7 (32.0, 58.0)	10.5 (5.4, 17.8)	10.0 (5.3, 16.7)		31.2 (20.4, 43.7)	
Machinists	8030	51-4041	206	15.2 (9.7, 22.2)	40.3 (21.9, 61.9)				39.5 (21.7, 60.7)	
Welding, soldering, and brazing workers	8140	51-4120	301	8.3 (5.1, 12.7)	35.6 (18.7, 57.1)				19.7 (10.6, 33.6)	
Metal workers and plastic workers, all other	8220	51-4199	94	22.8 (11.6, 37.7)						
Print binding and finishing workers	8250-8256	51-5000	92	25.7 (13.2, 41.9)						
Printing press operators	8255	51-5112	77	29.6 (14.4, 49.0)						
Textile, apparel, and furnishings workers, all other	8300-8460	51-6000	316	23.6 (14.8, 34.4)			37.8 (17.3, 62.1)			
Miscellaneous plant and system operators	8600-8630	51-8000	322	24.5 (12.2, 40.9)	55.7 (23.8, 84.4)					
Production workers, all other	8640-8965	51-9000	1,462	20.8 (16.8, 25.2)	26.2 (18.1, 35.7)		14.7 (9.7, 21.0)		31.3 (22.3, 41.4)	7.0 (3.6, 12.1)
Inspectors, testers, sorters, samplers, and weighers	8740	51-9061	263	33.1 (19.3, 49.4)						
Production workers, all other	8965	51-9199	776	20.5 (16.1, 25.6)	28.9 (18.8, 41.6)		15.6 (9.7, 24.3)		33.2 (22.7, 45.6)	
Transportation and Material Moving Occupations	9000-9750	53-0000	5,283	18.3 (16.0, 20.8)	37.9 (31.2, 45.1)	8.6 (5.0, 13.4)	30.2 (24.0, 37.1)		11.9 (8.0, 16.9)	5.4 (2.8, 9.3)
Supervisors of transportation and material moving workers	9000-9000	53-1000	87	43.1 (18.9, 70.1)						
Flight attendants	9030-9050	53-2000	129	36.6 (23.1, 51.8)	56.3 (33.0, 77.6)					
Aircraft pilots and flight engineers	9030	53-2010	75	28.0 (15.9, 43.0)						
Flight attendants	9050	53-2031	47	48.9 (22.9, 75.3)						
Motor vehicle operators, all other	9110-9150	53-3000	3,033	17.8 (14.8, 21.2)	41.5 (32.1, 51.4)	7.3 (4.6, 10.8)	33.7 (24.7, 43.6)		4.6 (2.7, 7.3)	
Bus drivers	9120	53-3020	365	32.9 (20.2, 47.9)						
Driver/sales workers and truck drivers	9130	53-3030	2,334	15.4 (12.4, 18.7)	41.9 (32.0, 52.6)	8.1 (4.9, 12.9)	34.4 (25.4, 44.8)	3.8 (2.1, 6.6)	6.0 (3.6, 9.9)	
Taxi drivers and chauffeurs	9140	53-3041	308	15.8 (9.3, 24.5)	41.2 (20.5, 65.6)					
Material moving workers, all other	9500-9750	53-7000	1,847	16.8 (13.2, 20.9)	24.3 (16.3, 34.0)		28.1 (18.1, 40.1)		24.8 (14.4, 37.9)	
Industrial truck and tractor operators	9600	53-7051	229	16.7 (9.8, 25.7)	45.5 (23.7, 69.2)					
Laborers and freight, stock, and material movers, hand	9620	53-7062	1,125	14.3 (10.7, 18.4)	29.2 (19.2, 41.7)		30.3 (19.0, 44.6)		17.9 (10.7, 28.4)	

CI, confidence interval; SOC, Standard Occupational Classification.

* Among participants who had had an influenza vaccination within the previous 12 months.

** California, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Kansas, Louisiana, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska,

New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Washington, and Wisconsin.

*** Weighted to the state populations of the 30 states.

**** "Workplace" may have been underreported because some workers who work in doctors' offices, clinics, stores, hospitals, or other specified workplaces may have reported those options rather than the option "workplace."

***** Health department, senior/recreation/community center, emergency room, school, Canada/Mexico, and some other kind of place.

US Census codes: <https://www.census.gov/topics/employment/industry-occupation/guidance/code-lists.html>

SOC codes: <https://www.bls.gov/soc/2010/home.htm>

Note: Occupation codes are hierarchical, so they can be grouped at different levels of detail. Each participant's occupation text response was coded to an individual US Census code.

Census occupation codes can be cross-walked to SOC codes. This table presents both Census and SOC codes. The blue rows are the broadest grouping of codes,

and subsumed under them are the occupations in the gray and white rows. The gray rows are narrower groups of occupations than blue rows. The occupations in the white rows are

individual Census codes and are the most detailed; they are subsumed within the gray or blue rows above them.

Note: Reporting is limited to estimates with a relative standard error (RSE) <= 30% and an unweighted denominator >= 50. This restriction is why some occupation rows are

not included in this table and why some cells are blank.

Note: Prevalence estimates highlighted in yellow are significantly higher than the prevalence estimate for all workers; significance is defined as nonoverlapping 95% CIs.

Note: Prevalence estimates highlighted in red are significantly lower than the prevalence estimate for all workers; significance is defined as nonoverlapping 95% CIs.