

Table 1. COVID-19 deaths by selected Census occupations among United States resident decedents ages 18-64 in 46 states, 2020.

Census Occupation Title	2012 Census Occupation Code	COVID-19 deaths
Transportation, storage, and distribution managers	0160	139
Farmers, ranchers, and other agricultural managers	0205	325
Food service managers	0310	434
Probation officers and correctional treatment specialists	2015	27
Chiropractors	3000	13
Dentists	3010	26
Dietitians and nutritionists	3030	45
Optometrists	3040	3
Pharmacists	3050	53
Physicians and surgeons	3060	142
Physician assistants	3110	14
Podiatrists	3120	2
Audiologists	3140	1
Occupational therapists	3150	12
Physical therapists	3160	33
Radiation therapists	3200	2
Recreational therapists	3210	7
Respiratory therapists	3220	39
Speech-language pathologists	3230	18
Exercise physiologists	3235	2
Therapists, all other	3245	19
Veterinarians	3250	7
Registered nurses	3255	877
Nurse anesthetists	3256	2
Nurse practitioners	3258	33
Clinical laboratory technologists and technicians	3300	72
Dental hygienists	3310	10
Diagnostic related technologists and technicians	3320	63
Emergency medical technicians and paramedics	3400	96
Health practitioner support technologists and technicians	3420	125
Licensed practical and licensed vocational nurses	3500	238
Medical records and health information technicians	3510	20
Opticians, dispensing	3520	9
Miscellaneous health technologists and technicians	3535	57
Other healthcare practitioners and technical occupations	3540	8
Nursing, psychiatric, and home health aides	3600	1318
Occupational therapy assistants and aides	3610	7
Physical therapist assistants and aides	3620	13
Massage therapists	3630	15
Dental assistants	3640	49

Medical assistants	3645	107
Medical transcriptionists	3646	14
Pharmacy aides	3647	3
Veterinary assistants and laboratory animal caretakers	3648	8
Phlebotomists	3649	46
Healthcare support workers, all other, including medical equipment preparers	3655	39
First-line supervisors of correctional officers	3700	25
Bailiffs, correctional officers, and jailers	3800	302
Chefs and head cooks	4000	577
First-line supervisors of food preparation and serving workers	4010	155
Cooks	4020	1185
Food preparation workers	4030	150
Bartenders	4040	77
Combined food preparation and serving workers, including fast food	4050	88
Counter attendants, cafeteria, food concession, and coffee shop	4060	18
Waiters and waitresses	4110	305
Food servers, nonrestaurant	4120	41
Dining room and cafeteria attendants and bartender helpers	4130	100
Dishwashers	4140	133
Hosts and hostesses, restaurant, lounge, and coffee shop	4150	13
Food preparation and serving related workers, all other	4160	17
First-line supervisors of farming, fishing, and forestry workers	6005	45
Agricultural inspectors	6010	7
Animal breeders	6020	2
Graders and sorters, agricultural products	6040	14
Miscellaneous agricultural workers	6050	559
Butchers and other meat, poultry, and fish processing workers	7810	166

NOTES: COVID-19 deaths are identified using the ICD-10 underlying cause of death code U07.1. The US Standard Certificate of Death records usual occupation, or the occupation in which the decedent spent most of their working life. Usual occupation is not available for deaths that occurred in Arizona, Iowa, North Carolina, Rhode Island, or Washington, D.C. See [Industry-and-Occupation-data-mortality-2020.pdf \(cdc.gov\)](https://www.cdc.gov/nchs/data/industry-and-occupation-data-mortality-2020.pdf) for more information.

SOURCE: NCHS, National Vital Statistics System, 2020 Final Mortality Data.

Table 2. COVID-19 deaths by selected Census industries among United States resident decedents ages 18-64 in 46 states, 2020.

Census Industry Title	2012 Census Industry Code	COVID-19 deaths
Crop production	0170	862
Animal production and aquaculture	0180	136
Animal slaughtering and processing	1180	348
Warehousing and storage	6390	538
Offices of physicians	7970	278
Offices of dentists	7980	105
Offices of chiropractors	7990	15
Offices of optometrists	8070	16
Offices of other health practitioners	8080	60
Outpatient care centers	8090	714
Home health care services	8170	735
Other health care services	8180	111
Hospitals	8190	2403
Nursing care facilities (skilled nursing facilities)	8270	983
Restaurants and other food services	8680	3102
Drinking places, alcoholic beverages	8690	74
Justice, public order, and safety activities	9470	1154

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SOURCE: NCHS, National Vital Statistics System, 2020 Final Mortality Data.

Table 3. Census occupations with the highest proportions of deaths from COVID-19 among United States resident decedents ages 18-64 in 46 states, 2020.

Census Occupation Title	2012 Census Occupation Code	Total deaths	COVID-19 deaths	Deaths from COVID-19 as a percentage of total deaths
Taxi drivers and chauffeurs	9140	2146	508	23.67%
Clergy	2040	1887	434	23.00%
Tailors, dressmakers, and sewers	8350	360	74	20.56%
Sewing machine operators	8320	992	195	19.66%
First-line supervisors of farming, fishing, and forestry workers	6005	240	45	18.75%
First-line supervisors of correctional officers	3700	136	25	18.38%
Shoe and leather workers and repairers	8330	83	15	18.07%
Transportation attendants, except flight attendants	9415	131	23	17.56%
Bridge and lock tenders	9340	29	5	17.24%
Ambulance drivers and attendants, except emergency medical technicians	9110	160	27	16.88%
First-line supervisors of police and detectives	3710	402	67	16.67%
Jewelers and precious stone and metal workers	8750	349	58	16.62%
Legislators	0030	57	9	15.79%
Graders and sorters, agricultural products	6040	89	14	15.73%
Packaging and filling machine operators and tenders	8800	1032	162	15.70%
Maintenance workers, machinery	7350	52	8	15.38%
Food processing workers, all other	7855	664	101	15.21%
Parking lot attendants	9350	199	30	15.08%
Baggage porters, bellhops, and concierges	4530	531	79	14.88%
Directors, religious activities and education	2050	82	12	14.63%
Food and tobacco roasting, baking, and drying machine operators and tenders	7830	48	7	14.58%
Miscellaneous agricultural workers	6050	3893	559	14.36%
Laundry and dry-cleaning workers	8300	592	85	14.36%
Recreational therapists	3210	49	7	14.29%
Extruding and drawing machine setters, operators, and tenders, metal and plastic	7920	21	3	14.29%
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	8010	28	4	14.29%
Door-to-door sales workers, news and street vendors, and related workers	4950	430	61	14.19%
Food cooking machine operators and tenders	7850	71	10	14.08%
Agricultural inspectors	6010	50	7	14.00%
Bus drivers	9120	2966	412	13.89%

Rail-track laying and maintenance equipment operators	6740	58	8	13.79%
Dining room and cafeteria attendants and bartender helpers	4130	731	100	13.68%
Supervisors of transportation and material moving workers	9000	897	121	13.49%
Other transportation workers	9420	82	11	13.41%
Judicial law clerks	2105	30	4	13.33%
Helpers--production workers	8950	68	9	13.24%
Bailiffs, correctional officers, and jailers	3800	2298	302	13.14%
Dishwashers	4140	1014	133	13.12%
Bakers	7800	1138	149	13.09%
Compensation and benefits managers	0135	23	3	13.04%
Nuclear technicians	1940	23	3	13.04%
Upholsterers	8450	231	30	12.99%
Childcare workers	4600	3228	406	12.58%
Library technicians	2440	65	8	12.31%
Occupational therapy assistants and aides	3610	57	7	12.28%
Miscellaneous plant and system operators	8630	237	29	12.24%
Counter and rental clerks	4740	221	27	12.22%
Butchers and other meat, poultry, and fish processing workers	7810	1361	166	12.20%
Security guards and gaming surveillance officers	3930	6389	779	12.19%

NOTES: COVID-19 deaths are identified using the ICD-10 underlying cause of death code U07.1. The US Standard Certificate of Death records usual occupation, or the occupation in which the decedent spent most of their working life. Usual occupation is not available for deaths that occurred in Arizona, Iowa, North Carolina, Rhode Island, or Washington, D.C. See [Industry-and-Occupation-data-mortality-2020.pdf \(cdc.gov\)](https://www.cdc.gov/nchs/data/industry-and-occupation-data-mortality-2020.pdf) for more information. Census occupations with <20 total deaths in 2020 were excluded from ranking of deaths from COVID-19 as a percentage of total deaths and the top 10% of Census occupations by rank are shown. Percentages of deaths from COVID-19 are not adjusted for the underlying age distributions of workers within each occupation.

SOURCE: NCHS, National Vital Statistics System, 2020 Final Mortality Data.

Table 4. Census industries with the highest proportions of deaths from COVID-19 among United States resident decedents ages 18-64 in 46 states, 2020.

Census Industry Title	2012 Census Industry Code	Total deaths	COVID-19 deaths	Deaths from COVID-19 as a percentage of total deaths
Taxi and limousine service	6190	2054	493	24.00%
Cut and sew apparel manufacturing	1680	1235	238	19.27%
Footwear and leather goods repair	8890	32	6	18.75%
Religious organizations	9160	3018	549	18.19%
Animal slaughtering and processing	1180	1979	348	17.58%
Executive offices and legislative bodies	9370	354	60	16.95%
Leather tanning and finishing and other allied products manufacturing	1790	62	10	16.13%
Bus service and urban transit	6180	2699	432	16.01%
Vocational rehabilitation services	8390	454	67	14.76%
Specialty food stores	4980	832	121	14.54%
Retail bakeries	1190	640	93	14.53%
Knitting fabric mills, and apparel knitting mills	1670	49	7	14.29%
Bakeries and tortilla manufacturing, except retail bakeries	1270	670	93	13.88%
Sewing, needlework, and piece goods stores	5280	124	17	13.71%
Furniture and home furnishing merchant wholesalers	4080	95	13	13.68%
Not specified food industries	1290	2113	285	13.49%
Drycleaning and laundry services	9070	930	124	13.33%
Jewelry, luggage, and leather goods stores	5190	486	63	12.96%
Railroad rolling stock manufacturing	3670	48	6	12.50%
Community food and housing, and emergency services	8380	228	28	12.28%
Grocery and related product merchant wholesalers	4470	1555	190	12.22%
Animal food, grain and oilseed milling	1070	262	32	12.21%
Child day care services	8470	3653	440	12.04%
Other consumer goods rental	7180	92	11	11.96%
Crop production	0170	7240	862	11.91%

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