

The table below shows how we coded essential workers in Blau et. al (2021). It includes the industry name, 2017 Census code, and 2017 NAICS codes.

The Column titled “March 2020 Essential” is our interpretation of the March 2020 DHS guidelines.

The Column titled “March 2020 Essential excl. Shutdown” excludes industries that are essential in the DHS guidelines but were basically shutdown. We use Vavra 2020 (<https://bfi.uchicago.edu/insight/finding/shutdown-sectors-represent-large-share-of-all-us-employment/>) to define basically shutdown.

Frontline was coded based on occupation groups conditional on being essential. We used Dingel and Nieman 2020 (<https://www.nber.org/papers/w26948>) to identify what percentage of workers in each occupation group could work from home. If less than 33 percent could work from home, we coded them as "frontline". These groups are highlighted in blue in the second table (or the second tab of the excel sheet).

The Column titled “December 2020 Essential” updates the definition of essential to the December 2020 guidelines. The industries added in this update are highlighted in yellow. We also add education to frontline when using the December guidelines as well even though they are above the threshold as many teachers are now instructing in person.

Note to user: If importing the excel sheet, you can drop if March 2020 Essential is missing and then you will be left with just the rows with valid industries and indicators and exclude the section headings.

Industry 2017 Description	2017 Census Code	2017 NAICS Code	March 2020 Essential	March 2020 Essential excl. Shutdown	December 2020 Essential
The 2017 census industry classification list has 270 codes including 7 military codes.					
	0170-0490	11-21			
<i>Agriculture, Forestry, Fishing, and Hunting</i>	<i>0170-0290</i>	<i>11</i>			
Crop production	0170	111	1	1	1
Animal production and aquaculture	0180	112	1	1	1
Forestry except logging	0190	1131, 1132	1	1	1
Logging	0270	1133	1	1	1
Fishing, hunting and trapping	0280	114	1	1	1
Support activities for agriculture and forestry	0290	115	1	1	1
<i>Mining, Quarrying, and Oil and Gas Extraction</i>	<i>0370-0490</i>	<i>21</i>			
Oil and gas extraction	0370	211	1	1	1
Coal mining	0380	2121	1	1	1
Metal ore mining	0390	2122	1	1	1
Nonmetallic mineral mining and quarrying	0470	2123	1	1	1
Not specified type of mining	0480	Part of 21	1	1	1
Support activities for mining	0490	213	1	1	1
<i>Construction</i>	<i>0770</i>	<i>23</i>			
Construction (the cleaning of buildings and dwellings is incidental during construction and immediately after construction)	0770	23	1	1	1
<i>Manufacturing</i>	<i>1070-3990</i>	<i>31-33</i>			
Animal food, grain and oilseed milling	1070	3111, 3112	1	1	1
Sugar and confectionery products	1080	3113	1	1	1
Fruit and vegetable preserving and specialty food manufacturing	1090	3114	1	1	1
Dairy product manufacturing	1170	3115	1	1	1
Animal slaughtering and processing	1180	3116	1	1	1
Retail bakeries	1190	311811	1	1	1
		3118 exc.			
Bakeries and tortilla manufacturing, except retail bakeries	1270	311811	1	1	1
Seafood and other miscellaneous foods, n.e.c.	1280	3117, 3119	1	1	1
Not specified food industries	1290	Part of 311	1	1	1
Beverage manufacturing	1370	3121	1	1	1
Tobacco manufacturing	1390	3122	0	0	0
Fiber, yarn, and thread mills	1470	3131	0	0	0
		3132 exc.			
Fabric mills, except knitting mills	1480	31324	0	0	0
Textile and fabric finishing and fabric coating mills	1490	3133	0	0	0
Carpet and rug mills	1570	31411	0	0	0
Textile product mills, except carpet and rug	1590	314 exc. 31411	0	0	0
Knitting fabric mills, and apparel knitting mills	1670	31324, 3151	0	0	0

Industry 2017 Description	2017 Census Code	2017 NAICS Code	March 2020 Essential	March 2020 Essential excl. Shutdown	December 2020 Essential
<i>Manufacturing, cont.</i>					
Cut and sew apparel manufacturing	1680	3152, 3158	0	0	0
apparel accessories and other apparel manufacturing	1690	3152, 3159	0	0	0
Cut and sew, and apparel accessories and other apparel manufacturing	1691	3152, 3159	0	0	0
Footwear manufacturing	1770	3162	0	0	0
Leather and hide tanning and finishing, and other leather and allied product manufacturing	1790	3161, 3169	0	0	0
Pulp, paper, and paperboard mills	1870	3221	1	1	1
Paperboard container manufacturing	1880	32221	1	1	1
		32222, 32223,			
Miscellaneous paper and pulp products	1890	32229	1	1	1
Printing and related support activities	1990	3231	1	1	1
Petroleum refining	2070	32411	1	1	1
Miscellaneous petroleum and coal products	2090	32412, 32419	1	1	1
Resin, synthetic rubber, and fibers and filaments manufacturing	2170	3252	1	1	1
Agricultural chemical manufacturing	2180	3253	1	1	1
Pharmaceutical and medicine manufacturing	2190	3254	1	1	1
Paint, coating, and adhesive manufacturing	2270	3255	1	1	1
Soap, cleaning compound, and cosmetics manufacturing	2280	3256	1	1	1
Industrial and miscellaneous chemicals	2290	3251, 3259	1	1	1
Plastics product manufacturing	2370	3261	1	1	1
Tire manufacturing	2380	32621	1	1	1
Rubber products, except tires, manufacturing	2390	32622, 32629	1	1	1
Pottery, ceramics, and plumbing fixture manufacturing	2470	32711	1	1	1
Clay building material and refractories manufacturing	2480	327120	1	1	1
Glass and glass product manufacturing	2490	3272	1	1	1
Cement, concrete, lime, and gypsum product manufacturing	2570	3273, 3274	1	1	1
Miscellaneous nonmetallic mineral product manufacturing	2590	3279	1	1	1
Iron and steel mills and steel product manufacturing	2670	3311, 3312	1	1	1
Aluminum production and processing	2680	3313	1	1	1
Nonferrous metal (except aluminum) production and processing	2690	3314	1	1	1
Foundries	2770	3315	1	1	1
Metal forgings and stampings	2780	3321	1	1	1
Cutlery and hand tool manufacturing	2790	3322	1	1	1
Structural metals, and boiler, tank, and shipping container manufacturing	2870	3323, 3324	1	1	1
Machine shops; turned product; screw, nut, and bolt manufacturing	2880	3327	1	1	1
Coating, engraving, heat treating, and allied activities	2890	3328	1	1	1
		332992, 332993,			
Ordnance	2970	332994, 332996	1	1	1

Industry 2017 Description	2017 Census Code	2017 NAICS Code	March 2020 Essential	March 2020 Essential excl. Shutdown	December 2020 Essential
<i>Manufacturing, cont.</i>					
Miscellaneous fabricated metal products manufacturing	2980	3325, 3326, 3329 exc. 332992, 332993, 332994, 332996 Part of 331 and	1	1	1
Not specified metal industries	2990	332	1	1	1
Agricultural implement manufacturing	3070	33311	1	1	1
Construction, and mining and oil and gas field machinery manufacturing	3080	33312, 33313	1	1	1
Commercial and service industry machinery manufacturing	3095	3333	1	1	1
Metalworking machinery manufacturing	3170	3335	1	1	1
Engine, turbine, and power transmission equipment manufacturing	3180	3336	1	1	1
Machinery manufacturing, n.e.c. or not specified	3190	3332, 3334, 3339, Part of 332 3332, 3334, 3339, Part of	1	1	1
Machinery manufacturing, n.e.c. or not specified	3291	333	1	1	1
Computer and peripheral equipment manufacturing	3365	3341	1	1	1
Communications, audio, and video equipment manufacturing	3370	3342, 3343	1	1	1
Navigational, measuring, electromedical, and control instruments manufacturing	3380	3345	1	1	1
Electronic component and product manufacturing, n.e.c.	3390	3344, 3346	1	1	1
Household appliance manufacturing	3470	3352	1	0	1
Electric lighting and electrical equipment manufacturing, and other electrical component manufacturing, n.e.c.	3490	3351, 3353, 3359	1	1	1
Motor vehicles and motor vehicle equipment manufacturing	3570	3361, 3362, 3363	1	0	1
Aircraft and parts manufacturing	3580	336411, 336412, 336413	1	0	1
Aerospace products and parts manufacturing	3590	336414, 336415, 336419	1	0	1
Railroad rolling stock manufacturing	3670	3365	1	1	1
Ship and boat building	3680	3366	1	0	1
Other transportation equipment manufacturing	3690	3369	1	1	1
Sawmills and wood preservation	3770	3211	1	1	1
Veneer, plywood, and engineered wood products	3780	3212	1	1	1
Prefabricated wood buildings and mobile homes manufacturing	3790	321991, 321992	1	1	1
Miscellaneous wood products	3875	3219 exc. 321991, 321992	1	1	1
Furniture and related product manufacturing	3895	337	0	0	0
Medical equipment and supplies manufacturing	3960	3391	1	1	1

Industry 2017 Description	2017 Census Code	2017 NAICS Code	March 2020 Essential	March 2020 Essential excl. Shutdown	December 2020 Essential
Manufacturing, cont.					
Sporting and athletic goods, and doll, toy and game manufacturing	3970	33992, 33993 3399 exc.	0	0	0
Miscellaneous manufacturing, n.e.c.	3980	33992, 33993 Part of 31, 32,	0	0	0
Not specified manufacturing industries	3990	33	0	0	0
Wholesale Trade	4070-4590	42			
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4070	4231	0	0	1
Furniture and home furnishing merchant wholesalers	4080	4232	0	0	0
Lumber and other construction materials merchant wholesalers	4090	4233	1	1	1
Professional and commercial equipment and supplies merchant wholesalers	4170	4234	1	1	1
Metals and minerals, except petroleum, merchant wholesalers	4180	4235	1	1	1
Household appliances and electrical and electronic goods merchant wholesalers	4195	4236	1	1	1
Hardware, and plumbing and heating equipment, and supplies merchant wholesalers	4265	4237	1	1	1
Machinery, equipment, and supplies merchant wholesalers	4270	4238	1	1	1
Recyclable material merchant wholesalers	4280	42393 4239 exc.	0	0	0
Miscellaneous durable goods merchant wholesalers	4290	42393	0	0	0
Paper and paper products merchant wholesalers	4370	4241	1	1	1
Drugs, sundries, and chemical and allied products merchant wholesalers	4380	4242, 4246	1	1	1
Apparel, piece goods, and notions merchant wholesalers	4390	4243	0	0	0
Grocery and related product merchant wholesalers	4470	4244	1	1	1
Farm product raw material merchant wholesalers	4480	4245	1	1	1
Petroleum and petroleum products merchant wholesalers	4490	4247	1	1	1
Alcoholic beverages merchant wholesalers	4560	4248	1	1	1
Farm supplies merchant wholesalers	4570	42491 4249 exc.	1	1	1
Miscellaneous nondurable goods merchant wholesalers	4580	42491	1	1	1
Wholesale electronic markets and agents and brokers	4585	4251	1	1	1
Not specified wholesale trade	4590	Part of 42	0	0	0
Retail Trade	4670-5790	44-45			
Automobile dealers	4670	4411	0	0	1
Other motor vehicle dealers	4680	4412	0	0	1
Automotive parts, accessories, and tire stores	4690	4413	1	0	1
Furniture and home furnishings stores	4770	442	0	0	0
Household appliance stores	4780	443141	1	0	1
Electronics Stores	4795	443142 4441 exc.	1	1	1
Building material and supplies dealers	4870	44413	1	1	1
Hardware stores	4880	44413	1	1	1

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<i>Retail Trade, cont.</i>					
Lawn and garden equipment and supplies stores	4890	4442	1	1	1
Grocery stores	4970	44511	1	1	1
Supermarkets and other grocery (except convenience) stores	4971	44511	1	1	1
Convenience Stores	4972	44512	1	1	1
Specialty food stores	4980	4452	1	1	1
Beer, wine, and liquor stores	4990	4453	1	1	1
Pharmacies and drug stores	5070	44611	1	1	1
Health and personal care, except drug, stores	5080	446 exc. 44611	1	1	1
Gasoline stations	5090	447	1	1	1
Clothing stores	5170	4481	0	0	0
Shoe stores	5180	44821	0	0	0
Jewelry, luggage, and leather goods stores	5190	4483	0	0	0
Sporting goods, and hobby and toy stores	5275	45111, 45112	0	0	1
Sewing, needlework, and piece goods stores	5280	45113	0	0	0
Musical instrument and supplies stores	5295	45114	0	0	0
Book stores and news dealers	5370	45121	0	0	0
Department stores	5381	45221	0	0	0
Department stores	5380	45221	0	0	0
General merchandise stores, including warehouse clubs and supercenters	5390	4523	1	1	1
General merchandise stores, including warehouse clubs and supercenters	5391	4523	1	1	1
Florists	5470	4531	0	0	0
Office supplies and stationery stores	5480	45321	0	0	1
Used merchandise stores	5490	4533	0	0	0
Gift, novelty, and souvenir shops	5570	45322	0	0	0
Miscellaneous retail stores	5580	4539	0	0	0
Electronic shopping and mail-order houses	5590	454110	1	1	1
Electric auctions	5591	454110	1	1	1
Mail-order houses	5592	454110	1	1	1
Electronic shopping and mail-order houses	5593	454110	1	1	1
Vending machine operators	5670	4542	0	0	0
Fuel dealers	5680	454310	1	0	1
Other direct selling establishments	5690	45439	0	0	0
Not specified retail trade	5790	Part of 44, 45	0	0	0
	6070-6390,				
<i>Transportation and Warehousing, and Utilities</i>	0570-0690	48-49, 22			
<i>Transportation and Warehousing</i>	6070-6390	48-49			
Air transportation	6070	481	1	0	1
Rail transportation	6080	482	1	1	1
Water transportation	6090	483	1	1	1
Truck transportation	6170	484	1	1	1
		4851, 4852, 4854, 4855,			
Bus service and urban transit	6180	4859	1	0	1
Taxi and limousine service	6190	4853	1	0	1
Pipeline transportation	6270	486	1	1	1

Industry 2017 Description	2017 Census Code	2017 NAICS Code	March 2020 Essential	March 2020 Essential excl. Shutdown	December 2020 Essential
<i>Transportation and Warehousing, cont.</i>					
Scenic and sightseeing transportation	6280	487	0	0	0
Services incidental to transportation	6290	488	1	0	1
Postal Service	6370	491	1	1	1
Couriers and messengers	6380	492	1	1	1
Warehousing and storage	6390	493	1	1	1
				0	
<i>Utilities</i>	<i>0570-0690</i>	<i>22</i>		0	
				0	
Electric power generation, transmission and distribution	0570	2211	1	1	1
Natural gas distribution	0580	2212	1	1	1
Electric and gas, and other combinations	0590	Pts. 2211, 2212	1	1	1
Water, steam, air-conditioning, and irrigation systems	0670	22131, 22133	1	1	1
Sewage treatment facilities	0680	22132	1	1	1
Not specified utilities	0690	Part of 22	1	1	1
<i>Information</i>	<i>6470-6780</i>	<i>51</i>			
Newspaper publishers	6470	51111	1	1	1
		5111 exc.			
Periodical, book, and directory publishers	6480	51111	1	1	1
Software publishers	6490	5112	1	1	1
Motion pictures and video industries	6570	5121	0	0	0
Sound recording industries	6590	5122	0	0	0
Broadcasting (except internet)	6670	515	1	1	1
Internet publishing and broadcasting and web search portals	6672	51913	1	1	1
Wired telecommunications carriers	6680	517311	1	1	1
Telecommunications, except wired telecommunications carriers	6690	517 exc. 517311	1	1	1
Data processing, hosting, and related services	6695	5182	1	1	1
Libraries and archives	6770	51912	0	0	0
Other information services, except libraries and archives, and internet publishing and broadcasting and web search portals	6780	5191 exc. 51912, 51913	1	1	1
	<i>6870-7190</i>	<i>52-53</i>			
<i>Finance and Insurance</i>	<i>6870-6990</i>	<i>52</i>			
		521,			
Banking and related activities	6870	52211, 52219	1	1	1
Savings institutions, including credit unions	6880	52212, 52213	1	1	1
Nondepository credit and related activities	6890	5222, 5223	1	1	1
Securities, commodities, funds, trusts, and other financial investments	6970	523, 525	1	1	1
Insurance carriers	6990	5241	1	1	1
Insurance carriers	6991	5241	1	1	1
Agencies, brokerages, and other insurance related activities	6992	5242	0	0	0
				0	

Industry 2017 Description	2017 Census Code	2017 NAICS Code	March 2020 Essential	March 2020 Essential excl. Shutdown	December 2020 Essential
<i>Real Estate and Rental and Leasing</i>	<i>7071-7190</i>	<i>53</i>		0	
				0	
Real estate	7070	5311, 5312	1	1	1
Lessors of real estate, and offices of real estate agents and brokers	7071	5311, 5312	1	1	1
Real estate property managers, offices of real estate appraisers, and other activities related to real estate	7072	5313	1	1	1
				0	
Automotive equipment rental and leasing	7080	5321	1	0	1
Video tape and disk rental	7170		0	0	0
		53221, 532281, 532282, 532283, 532284,			
Other consumer goods rental	7180	532289, 5323	0	0	0
		53221, 532281, 532282, 532283, 532284,			
Other consumer goods rental	7181	532289, 5323	0	0	0
Commercial, industrial, and other intangible assets rental and leasing	7190	5324, 533	0	0	0
				0	
	7270-7790	54-56		0	
				0	
				0	
<i>Professional, Scientific, and Technical Services</i>	<i>7270-7490</i>	<i>54</i>		0	
				0	
Legal services	7270	5411	0	0	0
Accounting, tax preparation, bookkeeping, and payroll services	7280	5412	1	1	1
Architectural, engineering, and related services	7290	5413	0	0	0
Specialized design services	7370	5414	0	0	0
Computer systems design and related services	7380	5415	0	0	0
Management, scientific, and technical consulting services	7390	5416	1	1	1
Scientific research and development services	7460	5417	1	1	1
Advertising, public relations, and related services	7470	5418	0	0	0
Veterinary services	7480	54194	1	1	1
		5419 exc.			
Other professional, scientific, and technical services	7490	54194	0	0	0
<i>Management of companies and enterprises</i>	<i>7570</i>	<i>55</i>			
Management of companies and enterprises	7570	55	0	0	0

Industry 2017 Description	2017 Census Code	2017 NAICS Code	March 2020 Essential	March 2020 Essential excl. Shutdown	December 2020 Essential
<i>Administrative and support and waste management services</i>	<i>7580-7790</i>	<i>56</i>			
Employment services	7580	5613	0	0	0
Business support services	7590	5614	0	0	0
Travel arrangements and reservation services	7670	5615	0	0	0
Investigation and security services	7680	5616	1	1	1
Services to buildings and dwellings (except cleaning during construction and immediately after construction)	7690	5617 exc. 56173	1	1	1
Landscaping services	7770	56173	1	1	1
		5611, 5612,			
Other administrative and other support services	7780	5619	0	0	0
Waste management and remediation services	7790	562	1	1	1
<i>Educational Services, and Health Care and Social Assistance</i>	<i>7860-8470</i>	<i>61-62</i>			
<i>Educational Services</i>	<i>7860-7890</i>	<i>61</i>			
Elementary and secondary schools	7860	6111	0	0	1
Colleges, universities, and professional schools, including junior colleges	7870	6112, 6113	0	0	1
Business, technical, and trade schools and training	7880	6114, 6115	0	0	1
Other schools and instruction, and educational support services	7890	6116, 6117	0	0	1
<i>Health Care and Social Assistance</i>	<i>7970-8470</i>	<i>62</i>			
Offices of physicians	7970	6211	1	1	1
Offices of dentists	7980	6212	1	0	1
Offices of chiropractors	7990	62131	1	1	1
Offices of optometrists	8070	62132	1	1	1
		6213 exc.			
Offices of other health practitioners	8080	62131, 62132	1	1	1
Outpatient care centers	8090	6214	1	1	1
Home health care services	8170	6216	1	1	1
Other health care services	8180	6215, 6219	1	1	1
Hospitals	8190	6221, 6223	1	1	1
General medical and surgical hospitals, and specialty (except psychiatric and substance abuse) hospitals	8191	6221, 6223	1	1	1
Psychiatric and substance abuse hospitals	8192	6222	1	1	1
Nursing care facilities (skilled nursing facilities)	8270	6231	1	1	1
		6232, 6233,			
Residential care facilities, except skilled nursing facilities	8290	6239	1	1	1
Individual and family services	8370	6241	1	1	1
Community food and housing, and emergency services	8380	6242	1	1	1
Vocational rehabilitation services	8390	6243	0	0	0
Child day care services	8470	6244	1	1	1

Industry 2017 Description	2017 Census Code	2017 NAICS Code	March 2020 Essential	March 2020 Essential excl. Shutdown	December 2020 Essential
<i>Arts, Entertainment, and Recreation, and Accommodation and Food Services</i>	8560-8690	71-72			
<i>Arts, Entertainment, and Recreation</i>	8560-8590	71			
Performing arts, spectator sports and related	8560		0	0	0
Performing arts companies	8561	7111	0	0	0
Spectator sports	8562	7112	0	0	0
Promoters of performing arts, sports, and similar events, agents and managers for artists, athletes, entertainers, and other public figures	8563	7113, 7114	0	0	0
Independent artists, writers, and performers	8564	7115	0	0	0
Museums, art galleries, historical sites, and similar institutions	8570	712	0	0	0
Bowling centers	8580	71395	0	0	0
Other amusement, gambling, and recreation industries	8590	713 exc. 71395	0	0	0
<i>Accommodation and Food Services</i>	8660-8690	72			
Traveler accommodation	8660	7211	1	0	1
Recreational vehicle parks and camps, and rooming and boarding houses, dormitories, and workers' camps	8670	7212, 7213	0	0	0
Restaurants and other food services	8680	722 exc. 7224	1	0	1
Drinking places, alcoholic beverages	8690	7224	0	0	0
<i>Other Services, Except Public Administration</i>	8770-9290	81			
		8111 exc.			
Automotive repair and maintenance	8770	811192	1	1	1
Car washes	8780	811192	0	0	0
Electronic and precision equipment repair and maintenance	8790	8112	1	1	1
Commercial and industrial machinery and equipment repair and maintenance	8870	8113	1	1	1
Personal and household goods repair and maintenance	8880	8114	0	0	0
Personal and household goods repair and maintenance	8891	8114	0	0	0
Barber shops	8970	812111	0	0	0
Beauty salons	8980	812112	0	0	0
Nail salons and other personal care services	8990	812113, 81219	0	0	0
Drycleaning and laundry services	9070	8123	0	0	0
Funeral homes, and cemeteries and crematories	9080	8122	1	1	1
Other personal services	9090	8129	0	0	0
Religious organizations	9160	8131	0	0	0
Civic, social, advocacy organizations, and grantmaking and giving services	9170	8132, 8133, 8134	0	0	0
Labor unions	9180	81393	0	0	0
		8139 exc.			
Business, professional, political, and similar organizations	9190	81393	0	0	0
Private households	9290	814	0	0	0

Industry 2017 Description	2017 Census Code	2017 NAICS Code	March 2020 Essential	March 2020 Essential excl. Shutdown	December 2020 Essential
<i>Public Administration</i>	9370-9590	92			
		92111, 92112, 92114, pt.			
Executive offices and legislative bodies	9370	92115	1	1	1
Public finance activities	9380	92113	1	1	1
Other general government and support	9390	92119	1	1	1
Justice, public order, and safety activities	9470	922, pt. 92115	1	1	1
Administration of human resource programs	9480	923	1	1	1
Administration of environmental quality and housing programs	9490	924, 925	1	1	1
Administration of economic programs and space research	9570	926, 927	1	1	1
National security and international affairs	9590	928	1	1	1
<i>Military</i>	9670-9870	928110			
U. S. Army	9670	928110	1	1	1
U. S. Air Force	9680	928110	1	1	1
U. S. Navy	9690	928110	1	1	1
U. S. Marines	9770	928110	1	1	1
U. S. Coast Guard	9780	928110	1	1	1
Armed Forces, Branch not specified	9790	928110	1	1	1
Military Reserves or National Guard	9870	928110	1	1	1
Unemployed, last worked 5 years ago or earlier or never worked	9920		0	0	0

Group (2 digit occupation group)	N	% Can Work at Home Onet	% Can Work at Home Dingel and Neiman	Frontline
Computer and Math Occupations	94,924	1.00	1.00	0
Business Operations Specialists	92,847	0.88	0.92	0
Financial Specialists	70,354	0.88	0.92	0
Architecture and Engineering Occupations	59,081	0.61	0.88	0
Education, Training, and Library Occupations	195,277	0.98	0.85	0
Management Occupations	327,613	0.87	0.84	0
Legal Occupations	36,025	0.97	0.84	0
Arts, Design, Entertainment, Sports, and Media Occupations	62,730	0.76	0.57	0
Office and Admin Support Occupations	366,874	0.65	0.51	0
Community and Social Service Occupations	55,082	0.37	0.50	0
Life, Physical, and Social Science Occupations	29,663	0.54	0.36	0
Sales and Related Occupations	295,706	0.28	0.21	1
Healthcare Practitioners and Technical Occupations	190,067	0.05	0.06	1
Healthcare Support	75,842	0.02	0.00	1
Protective Service Occupations	62,876	0.06	0.00	1
Food Preparation and Serving Occupations	150,884	0.0	0.00	1
Building and Grounds Cleaning and Maintenance Occupations	105,142	0.0	0.00	1
Personal Care and Service Occupations	95,272	0.26	0.00	1
Farming, Fishing, and Forestry Occupations	21,306	0.01	0.00	1
Construction and Extraction Occupations	136,357	0.0	0.00	1
Extraction Workers	3,984	0.0	0.00	1
Installation, Maintenance, and Repair Workers	91,831	0.01	0.00	1
Production Occupations	167,513	0.01	0.00	1
Transportation and Material Moving Occupations	199,882	0.03	0.00	1
Military	10,946			0