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Mortality Outcomes Surveillance: Death Certificate Data



Mortality Outcomes Surveillance, Part I: Ascertaining Decedents (2022 Update) summarizes the data stemming from the protocol used to (1) trace sample members and then (2) screen, match, and score all decedents in the National Longitudinal Study of Adolescent to Adult Health (Add Health). Mortality Outcomes Surveillance, Part II: Adjudicating Causes of Death & In-Hospital Cardiovascular Outcomes, summarizes data stemming from the protocol used to (3) assemble and abstract decedent cohort histories, obituaries, death certificates, healthcare provider questionnaires, coroner/medical examiner reports, next-of-kin interviews, and hospital records; and then (4) review, classify, and adjudicate all deaths and in-hospital cardiovascular outcomes ≤ 1 month before dates of death. *Mortality Outcomes Surveillance: Death Certificate Data* details the data abstracted from decedent death certificates.

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Information on obtaining Add Health data is available on the project website: <http://www.cpc.unc.edu/addhealth>.

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1. Introduction

The National Longitudinal Study of Adolescent to Adult Health (Add Health) is a longitudinal survey of a nationally representative sample of 20,745 U.S. adolescents in grades 7-12 during the 1994-95 school year. The Add Health cohort has been followed into young adulthood with five in-home interviews to date. Add Health traced, located, and re-interviewed cohort members in a Wave V follow-up during 2016-2019 to collect social, environmental, behavioral, and biological data with which to track the emergence of chronic disease as the cohort aged into their 30s and early 40s. The Wave VI follow-up began in 2021 and is currently underway.

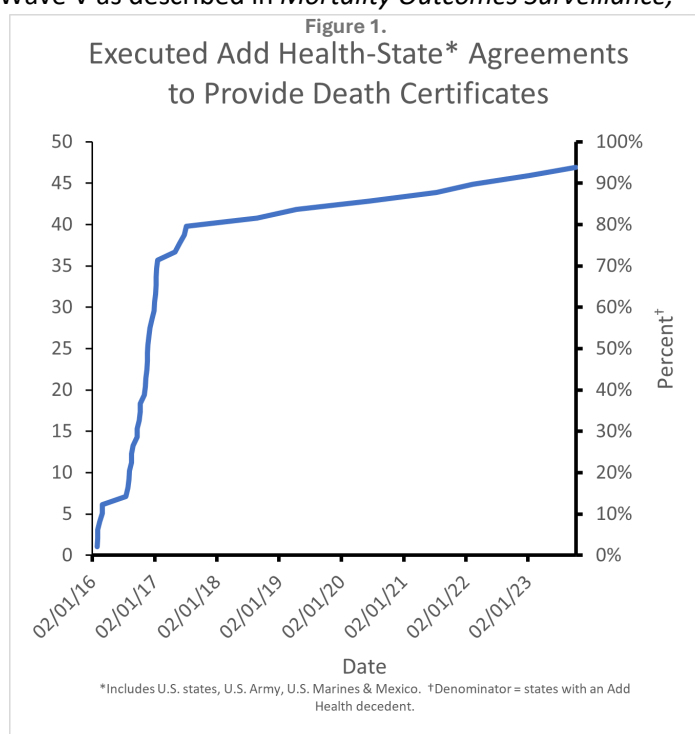
The Biology of Chronic Disease Emergence and Medical Outcomes Surveillance, led by Dr. Eric Whitse, commenced at Wave V. The goal of the project was to establish a scalable infrastructure for surveillance of chronic disease events in Add Health, initially by ascertaining sample members who died (decedents) since cohort inception (Wave I). Establishing the foundation on which to build a surveillance system in Add Health anticipated the epidemiologic transition to rapid increases in chronic disease morbidity and mortality as the cohort ages.

This document describes the methodology used to request, acquire, and abstract the death certificates of all decedents through December 31, 2017. Linking the data set to the Wave I In-Home Weights and other Add Health data files will enable users to properly correct for the clustered design of Add Health, account for the unequal probability of sample member selection, and thereby compute nationally representative estimates of mortality and exposure-mortality associations.¹ Please note that although the University of North Carolina's Office of Human Research Ethics determined the Add Health Surveillance Project does not constitute human subjects research due to its focus solely on decedents, users should abide by the same protocols and ethical guidelines that are required for all Add Health data.

2. Data Acquisition

Decedents were retrospectively identified beginning at Wave V as described in *Mortality Outcomes Surveillance, Part I: Ascertaining Decedents*.² Once confirmed as deceased via a 1:1 match in the National Death Index, the Add Health Medical Outcomes Coordinator contacted state-level vital records and vital statistics offices to request death certificates, or in lieu of them, death certificate data (collectively referred to as "death certificates", herein). State offices released records and data to Add Health in a variety of ways. While some states identified them as "open" records (accessible to anyone), the majority of states identified them as "private" records (access restricted).

To date, Add Health has acquired death certificates from eleven open-record states, 34 private-record states and two U.S. military branches. (**Figure 1**). The majority of entities released records to Add Health in 2016-2017. Acquiring this information from private-record states and the U.S military required Institutional Review Board (IRB) approvals, Freedom



of Information Act (FOIA) requests, data use agreements, and / or confidentiality pledges that Add Health regularly renews to maintain administrative compliance. As future decedents are ascertained in other states, their respective vital statistics offices will be contacted to request death certificates.

The death certificate content, format, and method of delivery varied by state. For example, the majority of states asked the certifier to report whether tobacco contributed to the death, while other states did not inquire about the role of tobacco. In some states, the occupation and industry of decedents were captured on older death certificates, but these two fields were then eliminated once the state redesigned the format of their official death certificate. Some states mailed hard-copy death certificates to Add Health, and others sent electronic copies via secure transfer protocol. Add Health has received death certificates for 455 (99%) of 460 decedents (deaths through December 31, 2017). Once Add Health received the death certificates, state-approved, trained, and certified abstractors used a Death Certificate Data Entry Form and Question-by-Question Instructions to abstract data into a restricted-access, secure research workspace using Census and Survey Processing System software (CSPPro, [U.S. Census Bureau](#), Washington, DC).

2.1 Reliability of Data Abstraction

The reliability of data abstraction was evaluated among a random sample of 28 Add Health decedents (mean age at death = 26.1 years; 57% female; 61% white) whose death certificates were abstracted by two staff members trained and certified to follow the standardized protocols described above. Between-abstractor reliability was estimated as the item-specific percent agreement and prevalence- and bias-adjusted kappa (PABAK) with 95% confidence intervals (95% CI).⁴ Across all items, median percent agreement (95% CI) and PABAK (95% CI) were excellent:⁵ 0.86 (0.84-0.89) and 0.83 (0.80-0.86) for death certificates.⁶

3. Data File

The Death Certificate data set is available as a SAS SAS7BDAT file (**Table 1**).

File Name	File Description	N†
AHDC17	Death Certificate Data	460

†Decedents.

3.1 Structure

Add Health death certificate data are provided as a SAS SAS7BDAT file comprised of 34 variables (**Table 3**). This data file contains one record for each of the 460 Add Health decedents (deaths through December 31, 2017).

3.2 Format

The file provides non-identifiable information from each death certificate received.

3.3 Content

3.3.1 Places of Injury and Death

The Death Certificate data include places of injury and death that have been broadly categorized to prevent deductive disclosure (e.g., decedent's residence, outdoors, roadway).

3.3.2 Residential Location at Death Pseudocode

The Death Certificate Data include an identifier that locates decedent residential locations at the time of death in one of the fifty United States, District of Columbia or Puerto Rico. It was constructed using Federal Information System Processing (FIPS)-coded 2010 Census boundaries and then geographically masked to prevent deductive disclosure. By design, it identifies residential location at the time of death as a state-level, pseudo FIPS code. This code is consistent with location codes released in the Add Health Wave I-V and other mortality surveillance data files, allowing stratification and control for the residential location of Add Health decedents at the time of death.

3.3.3 Occupation and Industry

The Death Certificate data include the occupation and / or industry of decedents when this information was recorded on their death certificates. The occupations and industries are identified by four-digit, 2018 Standard Occupational Classification (SOC) System and 2022 North American Industry Classification System (NAICS) codes assigned by the U.S. Census National Processing Center (NPC) (**Appendices A-B**).

3.3.4 Reserve Codes

The Death Certificate data employ special reserve codes to distinguish different types of missing data. All codes begin with “-99”, followed by two trailing digits that indicate a particular type of missingness (**Table 2**). For example, a code ending in “82” identifies suppressed data. Data suppression occurred when a particular response appeared infrequently in the data, posing a potential threat to decedent anonymity. A code ending in “87” for two Occupation and Industry Code variables described in Section 3.3.3.2 (DCOCC117; DCIND117) identifies missing data, specifically among students. A code ending in “92” indicates that the data source reported an absence of data or missing data for the field. A code ending in “97” identifies data missing due to instrument logic that produces a legitimate skip. When the data were reported as either “unknown” or “not provided”, the reserve code ends in “98.”

Table 2. Special Reserve Codes

Code	Description
-9982	suppressed
-9987	student
-9992	missing in source
-9997	legitimate skip/not applicable
-9998	unknown/not provided

Table 3. Death Certificate Data

Variable Name	Variable Label
AID	Sample member's identifier
DCST17	Death certificate source – State
DCCO17	Death certificate source – County
DCFH17	Death certificate source – Funeral Home
DCREL17	Death certificate source – Decedent's Relative
DCOTH17	Death certificate source – Other
DCSEX17	Decedent's sex
DCRES17	Decedent's state of residence (state-level, pseudo FIPS code)
DCVET17	Decedent's veteran status
DCMAR17	Decedent's marital status
DCINF17	Relationship of death certificate's informant to decedent
DCHOSP17	Death occurred in a hospital
DCTYPE17	In-hospital death classification
DCPLCE17	Place of death, non-hospital
DCPLOT17	Place of death, other
DCCME17	Coroner or Medical Examiner notified about death
DCINT17	Amount of time between the onset of illness/injury and the immediate cause of death
DCAUTO17	Autopsy performed
DCFIND17	Autopsy findings available to certify the death
DCTBCO17	Tobacco did not contribute to the death
DCPREG17	Decedent's pregnancy status
DCMAN17	Manner of death
DCINJ17	Death involved an injury
DCTRNS17	Injury was transportation-related
DCPOS17	Position of decedent, if transportation-related injury
DCWORK17	Injury did not occur at work
DCINJP17	Place of injury
DCEDU17	Decedent's education level
DCETH17	Decedent's ethnicity
DCRACE17	Decedent's race
DCOCC117	Decedent's occupation #1 (NPC-Assigned SOC Code)
DCOCC217	Decedent's occupation #2 (NPC-Assigned SOC Code)
DCIND117	Decedent's industry #1 (NPC-Assigned NAICS Code)
DCIND217	Decedent's industry #2 (NPC-Assigned NAICS Code)

4. List of Appendices

Appendix A: 2018 Occupation Code List and Crosswalk

Appendix B: 2022 Census Industry Code List and Crosswalk

5. References

¹National Longitudinal Study of Adolescent to Adult Health. Codebooks. PDF Codebooks for the Add Health Restricted-Use Data. Available at <https://addhealth.cpc.unc.edu/documentation/codebooks>.

²Trani EA, Hill MJ, Anthony KM, Lawrence EM, Loehr LR, Hummer RA, Whitsel EA. *Add Health Wave VI Documentation: Mortality Outcomes Surveillance, Part I: Ascertaining Decedents (2022 Update)*; 2024. Available at: <https://doi.org/10.17615/zbe9-rh36>.

³U.S. Centers for Disease Control and Prevention. State Medical Examiners and Coroners Organizations. Available at: https://www.cdc.gov/comec/state-mec-organizations/?CDC_AAref_Val=https://www.cdc.gov/nchs/comec/state-mec-organizations.html

⁴Byrt T, Bishop J, Carlin JB. Bias, prevalence and kappa. *J Clin Epidemiol* 1993;46(5):423-429.

⁵Landis JR, Koch GG. The measurement of observer agreement for categorical data. *Biometrics* 1977;33(1):159-174.

⁶Anthony KM, Trani E, Monbureau TO, Hill MJM, Loehr LR, Harris KM, Aiello AE, Hummer RA, Whitsel EA. Reliability of cardiovascular disease surveillance in the National Longitudinal Study of Adolescent to Adult Health. *Circulation* 2022;145(S11); P154.

Appendix A

2018 U.S. Census Bureau Occupation Code List and Crosswalk

Codes Updated: September 26, 2019

Crosswalk Updated: May 6, 2020

Note: The 2018 Census occupation classification list includes 570 codes including four military codes.

2018 Census Title	2018 Census Code	2018 SOC Code
Management, Business, Science, and Arts Occupations	0010-3550	11-0000 - 29-0000
Management, Business, and Financial Occupations	0010-0960	11-0000 - 13-0000
Management Occupations	0010-0440	11-0000
Chief executives	0010	11-1011
General and operations managers	0020	11-1021
Legislators	0030	11-1031
Advertising and promotions managers	0040	11-2011
Marketing managers	0051	11-2021
Sales managers	0052	11-2022
Public relations and fundraising managers	0060	11-2030
Administrative services managers	0101	11-3012
Facilities managers	0102	11-3013
Computer and information systems managers	0110	11-3021
Financial managers	0120	11-3031
Compensation and benefits managers	0135	11-3111
Human resources managers	0136	11-3121
Training and development managers	0137	11-3131
Industrial production managers	0140	11-3051
Purchasing managers	0150	11-3061
Transportation, storage, and distribution managers	0160	11-3071
Farmers, ranchers, and other agricultural managers	0205	11-9013
Construction managers	0220	11-9021
Education and childcare administrators	0230	11-9030
Architectural and engineering managers	0300	11-9041
Food service managers	0310	11-9051
Funeral home managers	0325	11-9171
Entertainment and recreation managers	0335	11-9070
Lodging managers	0340	11-9081
Medical and health services managers	0350	11-9111
Natural sciences managers	0360	11-9121
Postmasters and mail superintendents	0400	11-9131
Property, real estate, and community association managers	0410	11-9141
Social and community service managers	0420	11-9151
Emergency management directors	0425	11-9161
Personal service managers, all other	0426	11-9179
Managers, all other	0440	11-9199
Business and Financial Operations Occupations	0500-0960	13-0000
Agents and business managers of artists, performers, and athletes	0500	13-1011
Buyers and purchasing agents, farm products	0510	13-1021
Wholesale and retail buyers, except farm products	0520	13-1022
Purchasing agents, except wholesale, retail, and farm products	0530	13-1023
Claims adjusters, appraisers, examiners, and investigators	0540	13-1030
Compliance officers	0565	13-1041
Cost estimators	0600	13-1051
Human resources workers	0630	13-1070
Compensation, benefits, and job analysis specialists	0640	13-1141

2018 Census Title	2018 Census Code	2018 SOC Code
Training and development specialists	0650	13-1151
Logisticians	0700	13-1081
Project management specialists	0705	13-1082
Management analysts	0710	13-1111
Meeting, convention, and event planners	0725	13-1121
Fundraisers	0726	13-1131
Market research analysts and marketing specialists	0735	13-1161
Business operations specialists, all other	0750	13-1199
Accountants and auditors	0800	13-2011
Property appraisers and assessors	0810	13-2020
Budget analysts	0820	13-2031
Credit analysts	0830	13-2041
Financial and investment analysts	0845	13-2051
Personal financial advisors	0850	13-2052
Insurance underwriters	0860	13-2053
Financial examiners	0900	13-2061
Credit counselors and loan officers	0910	13-2070
Tax examiners and collectors, and revenue agents	0930	13-2081
Tax preparers	0940	13-2082
Other financial specialists	0960	13-20XX
Computer, Engineering, and Science Occupations	1005-1980	15-0000 - 19-0000
Computer and Mathematical Occupations	1005-1240	15-0000
Computer and information research scientists	1005	15-1221
Computer systems analysts	1006	15-1211
Information security analysts	1007	15-1212
Computer programmers	1010	15-1251
Software developers	1021	15-1252
Software quality assurance analysts and testers	1022	15-1253
Web developers	1031	15-1254
Web and digital interface designers	1032	15-1255
Computer support specialists	1050	15-1230
Database administrators and architects	1065	15-124X
Network and computer systems administrators	1105	15-1244
Computer network architects	1106	15-1241
Computer occupations, all other	1108	15-1299
Actuaries	1200	15-2011
Mathematicians	1210	15-2021
Operations research analysts	1220	15-2031
Statisticians	1230	15-2041
Other mathematical science occupations	1240	15-20XX
Architecture and Engineering Occupations	1305-1560	17-0000
Architects, except landscape and naval	1305	17-1011
Landscape architects	1306	17-1012
Surveyors, cartographers, and photogrammetrists	1310	17-1020

2018 Census Title	2018 Census Code	2018 SOC Code
Aerospace engineers	1320	17-2011
Agricultural engineers	1330	17-2021
Bioengineers and biomedical engineers	1340	17-2031
Chemical engineers	1350	17-2041
Civil engineers	1360	17-2051
Computer hardware engineers	1400	17-2061
Electrical and electronics engineers	1410	17-2070
Environmental engineers	1420	17-2081
Industrial engineers, including health and safety	1430	17-2110
Marine engineers and naval architects	1440	17-2121
Materials engineers	1450	17-2131
Mechanical engineers	1460	17-2141
Mining and geological engineers, including mining safety engineers	1500	17-2151
Nuclear engineers	1510	17-2161
Petroleum engineers	1520	17-2171
Engineers, all other	1530	17-2199
Architectural and civil drafters	1541	17-3011
Other drafters	1545	17-301X
Electrical and electronic engineering technologists and technicians	1551	17-3023
Other engineering technologists and technicians, except drafters	1555	17-302X
Surveying and mapping technicians	1560	17-3031
<i>Life, Physical, and Social Science Occupations</i>	<i>1600-1980</i>	<i>19-0000</i>
Agricultural and food scientists	1600	19-1010
Biological scientists	1610	19-1020
Conservation scientists and foresters	1640	19-1030
Medical scientists	1650	19-1040
Life scientists, all other	1660	19-1099
Astronomers and physicists	1700	19-2010
Atmospheric and space scientists	1710	19-2021
Chemists and materials scientists	1720	19-2030
Environmental scientists and specialists, including health	1745	19-2041
Geoscientists and hydrologists, except geographers	1750	19-204X
Physical scientists, all other	1760	19-2099
Economists	1800	19-3011
Survey researchers	1815	19-3022
Clinical and counseling psychologists	1821	19-3033
School psychologists	1822	19-3034
Other psychologists	1825	19-303X
Sociologists	1830	19-3041
Urban and regional planners	1840	19-3051
Miscellaneous social scientists and related workers	1860	19-3090
Agricultural and food science technicians	1900	19-4010
Biological technicians	1910	19-4021
Chemical technicians	1920	19-4031

2018 Census Title	2018 Census Code	2018 SOC Code
Environmental science and geoscience technicians	1935	19-4040
Nuclear technicians	1940	19-4051
Social science research assistants	1950	19-4061
Other life, physical, and social science technicians	1970	19-40XX
Occupational health and safety specialists and technicians	1980	19-5010
<i>Education, Legal, Community Service, Arts, and Media Occupations</i>	<i>2001-2970</i>	<i>21-0000 - 27-0000</i>
<i>Community and Social Service Occupations</i>	<i>2001-2060</i>	<i>21-0000</i>
Substance abuse and behavioral disorder counselors	2001	21-1011
Educational, guidance, and career counselors and advisors	2002	21-1012
Marriage and family therapists	2003	21-1013
Mental health counselors	2004	21-1014
Rehabilitation counselors	2005	21-1015
Counselors, all other	2006	21-1019
Child, family, and school social workers	2011	21-1021
Healthcare social workers	2012	21-1022
Mental health and substance abuse social workers	2013	21-1023
Social workers, all other	2014	21-1029
Probation officers and correctional treatment specialists	2015	21-1092
Social and human service assistants	2016	21-1093
Other community and social service specialists	2025	21-109X
Clergy	2040	21-2011
Directors, religious activities and education	2050	21-2021
Religious workers, all other	2060	21-2099
<i>Legal Occupations</i>	<i>2100-2180</i>	<i>23-0000</i>
Lawyers	2100	23-1011
Judicial law clerks	2105	23-1012
Judges, magistrates, and other judicial workers	2110	23-1020
Paralegals and legal assistants	2145	23-2011
Title examiners, abstractors, and searchers	2170	23-2093
Legal support workers, all other	2180	23-2099
<i>Educational Instruction, and Library Occupations</i>	<i>2205-2555</i>	<i>25-0000</i>
Postsecondary teachers	2205	25-1000
Preschool and kindergarten teachers	2300	25-2010
Elementary and middle school teachers	2310	25-2020
Secondary school teachers	2320	25-2030
Special education teachers	2330	25-2050
Tutors	2350	25-3041
Other teachers and instructors	2360	25-30XX
Archivists, curators, and museum technicians	2400	25-4010
Librarians and media collections specialists	2435	25-4022
Library technicians	2440	25-4031
Teaching assistants	2545	25-9040
Other educational instruction and library workers	2555	25-90XX
<i>Arts, Design, Entertainment, Sports, and Media Occupations</i>	<i>2600-2970</i>	<i>27-0000</i>

2018 Census Title	2018 Census Code	2018 SOC Code
Artists and related workers	2600	27-1010
Commercial and industrial designers	2631	27-1021
Fashion designers	2632	27-1022
Floral designers	2633	27-1023
Graphic designers	2634	27-1024
Interior designers	2635	27-1025
Merchandise displayers and window trimmers	2636	27-1026
Other designers	2640	27-102X
Actors	2700	27-2011
Producers and directors	2710	27-2012
Athletes and sports competitors	2721	27-2021
Coaches and scouts	2722	27-2022
Umpires, referees, and other sports officials	2723	27-2023
Dancers and choreographers	2740	27-2030
Music directors and composers	2751	27-2041
Musicians and singers	2752	27-2042
Disc jockeys, except radio	2755	27-2091
Entertainers and performers, sports and related workers, all other	2770	27-2099
Broadcast announcers and radio disc jockeys	2805	27-3011
News analysts, reporters, and journalists	2810	27-3023
Public relations specialists	2825	27-3031
Editors	2830	27-3041
Technical writers	2840	27-3042
Writers and authors	2850	27-3043
Interpreters and translators	2861	27-3091
Court reporters and simultaneous captioners	2862	27-3092
Media and communication workers, all other	2865	27-3099
Broadcast, sound, and lighting technicians	2905	27-4010
Photographers	2910	27-4021
Television, video, and film camera operators and editors	2920	27-4030
Media and communication equipment workers, all other	2970	27-4099
Healthcare Practitioners and Technical Occupations	3000-3550	29-0000
Chiropractors	3000	29-1011
Dentists	3010	29-1020
Dietitians and nutritionists	3030	29-1031
Optometrists	3040	29-1041
Pharmacists	3050	29-1051
Emergency medicine physicians	3065	29-1214
Radiologists	3070	29-1224
Other physicians	3090	29-12XX
Surgeons	3100	29-1240
Physician assistants	3110	29-1071
Podiatrists	3120	29-1081
Audiologists	3140	29-1181

2018 Census Title	2018 Census Code	2018 SOC Code
Occupational therapists	3150	29-1122
Physical therapists	3160	29-1123
Radiation therapists	3200	29-1124
Recreational therapists	3210	29-1125
Respiratory therapists	3220	29-1126
Speech-language pathologists	3230	29-1127
Exercise physiologists	3235	29-1128
Therapists, all other	3245	29-1129
Veterinarians	3250	29-1131
Registered nurses	3255	29-1141
Nurse anesthetists	3256	29-1151
Nurse midwives	3257	29-1161
Nurse practitioners	3258	29-1171
Acupuncturists	3261	29-1291
Healthcare diagnosing or treating practitioners, all other	3270	29-1299
Clinical laboratory technologists and technicians	3300	29-2010
Dental hygienists	3310	29-1292
Cardiovascular technologists and technicians	3321	29-2031
Diagnostic medical sonographers	3322	29-2032
Radiologic technologists and technicians	3323	29-2034
Magnetic resonance imaging technologists	3324	29-2035
Nuclear medicine technologists and medical dosimetrists	3330	29-203X
Emergency medical technicians	3401	29-2042
Paramedics	3402	29-2043
Pharmacy technicians	3421	29-2052
Psychiatric technicians	3422	29-2053
Surgical technologists	3423	29-2055
Veterinary technologists and technicians	3424	29-2056
Dietetic technicians and ophthalmic medical technicians	3430	29-205X
Licensed practical and licensed vocational nurses	3500	29-2061
Medical records specialists	3515	29-2072
Opticians, dispensing	3520	29-2081
Miscellaneous health technologists and technicians	3545	29-2090
Other healthcare practitioners and technical occupations	3550	29-9000
Service Occupations	3601-4655	31-0000 - 39-0000
Healthcare Support Occupations	3601-3655	31-0000
Home health aides	3601	31-1121
Personal care aides	3602	31-1122
Nursing assistants	3603	31-1131
Orderlies and psychiatric aides	3605	31-113X
Occupational therapy assistants and aides	3610	31-2010
Physical therapist assistants and aides	3620	31-2020
Massage therapists	3630	31-9011
Dental assistants	3640	31-9091

2018 Census Title	2018 Census Code	2018 SOC Code
Medical assistants	3645	31-9092
Medical transcriptionists	3646	31-9094
Pharmacy aides	3647	31-9095
Veterinary assistants and laboratory animal caretakers	3648	31-9096
Phlebotomists	3649	31-9097
Other healthcare support workers	3655	31-909X
Protective Service Occupations	3700-3960	33-0000
First-line supervisors of correctional officers	3700	33-1011
First-line supervisors of police and detectives	3710	33-1012
First-line supervisors of firefighting and prevention workers	3720	33-1021
First-line supervisors of security workers	3725	33-1091
First-line supervisors of protective service workers, all other	3735	33-1099
Firefighters	3740	33-2011
Fire inspectors	3750	33-2020
Bailiffs	3801	33-3011
Correctional officers and jailers	3802	33-3012
Detectives and criminal investigators	3820	33-3021
Fish and game wardens	3830	33-3031
Parking enforcement workers	3840	33-3041
Police officers	3870	33-3050
Animal control workers	3900	33-9011
Private detectives and investigators	3910	33-9021
Security guards and gambling surveillance officers	3930	33-9030
Crossing guards and flaggers	3940	33-9091
Transportation security screeners	3945	33-9093
School bus monitors	3946	33-9094
Other protective service workers	3960	33-909X
Food Preparation and Serving Related Occupations	4000-4160	35-0000
Chefs and head cooks	4000	35-1011
First-line supervisors of food preparation and serving workers	4010	35-1012
Cooks	4020	35-2010
Food preparation workers	4030	35-2021
Bartenders	4040	35-3011
Fast food and counter workers	4055	35-3023
Waiters and waitresses	4110	35-3031
Food servers, non-restaurant	4120	35-3041
Dining room and cafeteria attendants and bartender helpers	4130	35-9011
Dishwashers	4140	35-9021
Hosts and hostesses, restaurant, lounge, and coffee shop	4150	35-9031
Food preparation and serving related workers, all other	4160	35-9099
Building and Grounds Cleaning and Maintenance Occupations	4200-4255	37-0000
First-line supervisors of housekeeping and janitorial workers	4200	37-1011
First-line supervisors of landscaping, lawn service, and groundskeeping workers	4210	37-1012

2018 Census Title	2018 Census Code	2018 SOC Code
Janitors and building cleaners	4220	37-201X
Maids and housekeeping cleaners	4230	37-2012
Pest control workers	4240	37-2021
Landscaping and groundskeeping workers	4251	37-3011
Tree trimmers and pruners	4252	37-3013
Other grounds maintenance workers	4255	37-301X
Personal Care and Service Occupations	4330-4655	39-0000
Supervisors of personal care and service workers	4330	39-1000
Animal trainers	4340	39-2011
Animal caretakers	4350	39-2021
Gambling services workers	4400	39-3010
Ushers, lobby attendants, and ticket takers	4420	39-3031
Other entertainment attendants and related workers	4435	39-30XX
Embalmers, crematory operators and funeral attendants	4461	39-40XX
Morticians, undertakers, and funeral arrangers	4465	39-4031
Barbers	4500	39-5011
Hairdressers, hairstylists, and cosmetologists	4510	39-5012
Manicurists and pedicurists	4521	39-5092
Skincare specialists	4522	39-5094
Other personal appearance workers	4525	39-509X
Baggage porters, bellhops, and concierges	4530	39-6010
Tour and travel guides	4540	39-7010
Childcare workers	4600	39-9011
Exercise trainers and group fitness instructors	4621	39-9031
Recreation workers	4622	39-9032
Residential advisors	4640	39-9041
Personal care and service workers, all other	4655	39-9099
Sales and Office Occupations	4700-5940	41-0000 - 43-0000
Sales and Related Occupations	4700-4965	41-0000
First-Line supervisors of retail sales workers	4700	41-1011
First-Line supervisors of non-retail sales workers	4710	41-1012
Cashiers	4720	41-2010
Counter and rental clerks	4740	41-2021
Parts salespersons	4750	41-2022
Retail salespersons	4760	41-2031
Advertising sales agents	4800	41-3011
Insurance sales agents	4810	41-3021
Securities, commodities, and financial services sales agents	4820	41-3031
Travel agents	4830	41-3041
Sales representatives of services, except advertising, insurance, financial services, and travel	4840	41-3091
Sales representatives, wholesale and manufacturing	4850	41-4010
Models, demonstrators, and product promoters	4900	41-9010
Real estate brokers and sales agents	4920	41-9020

2018 Census Title	2018 Census Code	2018 SOC Code
Sales engineers	4930	41-9031
Telemarketers	4940	41-9041
Door-to-door sales workers, news and street vendors, and related workers	4950	41-9091
Sales and related workers, all other	4965	41-9099
Office and Administrative Support Occupations	5000-5940	43-0000
First-Line supervisors of office and administrative support workers	5000	43-1011
Switchboard operators, including answering service	5010	43-2011
Telephone operators	5020	43-2021
Communications equipment operators, all other	5040	43-2099
Bill and account collectors	5100	43-3011
Billing and posting clerks	5110	43-3021
Bookkeeping, accounting, and auditing clerks	5120	43-3031
Gambling cage workers	5130	43-3041
Payroll and timekeeping clerks	5140	43-3051
Procurement clerks	5150	43-3061
Tellers	5160	43-3071
Financial clerks, all other	5165	43-3099
Brokerage clerks	5200	43-4011
Correspondence clerks	5210	43-4021
Court, municipal, and license clerks	5220	43-4031
Credit authorizers, checkers, and clerks	5230	43-4041
Customer service representatives	5240	43-4051
Eligibility interviewers, government programs	5250	43-4061
File clerks	5260	43-4071
Hotel, motel, and resort desk clerks	5300	43-4081
Interviewers, except eligibility and loan	5310	43-4111
Library assistants, clerical	5320	43-4121
Loan interviewers and clerks	5330	43-4131
New accounts clerks	5340	43-4141
Order clerks	5350	43-4151
Human resources assistants, except payroll and timekeeping	5360	43-4161
Receptionists and information clerks	5400	43-4171
Reservation and transportation ticket agents and travel clerks	5410	43-4181
Information and record clerks, all other	5420	43-4199
Cargo and freight agents	5500	43-5011
Couriers and messengers	5510	43-5021
Public safety telecommunicators	5521	43-5031
Dispatchers, except police, fire, and ambulance	5522	43-5032
Meter readers, utilities	5530	43-5041
Postal service clerks	5540	43-5051
Postal service mail carriers	5550	43-5052
Postal service mail sorters, processors, and processing machine operators	5560	43-5053

2018 Census Title	2018 Census Code	2018 SOC Code
Production, planning, and expediting clerks	5600	43-5061
Shipping, receiving, and inventory clerks	5610	43-5071
Weighers, measurers, checkers, and samplers, recordkeeping	5630	43-5111
Executive secretaries and executive administrative assistants	5710	43-6011
Legal secretaries and administrative assistants	5720	43-6012
Medical secretaries and administrative assistants	5730	43-6013
Secretaries and administrative assistants, except legal, medical, and executive	5740	43-6014
Data entry keyers	5810	43-9021
Word processors and typists	5820	43-9022
Desktop publishers	5830	43-9031
Insurance claims and policy processing clerks	5840	43-9041
Mail clerks and mail machine operators, except postal service	5850	43-9051
Office clerks, general	5860	43-9061
Office machine operators, except computer	5900	43-9071
Proofreaders and copy markers	5910	43-9081
Statistical assistants	5920	43-9111
Office and administrative support workers, all other	5940	43-9199
<i>Natural Resources, Construction, and Maintenance Occupations</i>	6005-7640	45-0000 - 49-0000
<i>Farming, Fishing, and Forestry Occupations</i>	6005-6130	45-0000
First-line supervisors of farming, fishing, and forestry workers	6005	45-1011
Agricultural inspectors	6010	45-2011
Animal breeders	6020	45-2021
Graders and sorters, agricultural products	6040	45-2041
Miscellaneous agricultural workers	6050	45-2090
Fishing and hunting workers	6115	45-3031
Forest and conservation workers	6120	45-4011
Logging workers	6130	45-4020
<i>Construction and Extraction Occupations</i>	6200-6950	47-0000
First-line supervisors of construction trades and extraction workers	6200	47-1011
Boilermakers	6210	47-2011
Brickmasons, blockmasons, and stonemasons	6220	47-2020
Carpenters	6230	47-2031
Carpet, floor, and tile installers and finishers	6240	47-2040
Cement masons, concrete finishers, and terrazzo workers	6250	47-2050
Construction laborers	6260	47-2061
Construction equipment operators	6305	47-2070
Drywall installers, ceiling tile installers, and tapers	6330	47-2080
Electricians	6355	47-2111
Glaziers	6360	47-2121
Insulation workers	6400	47-2130
Painters and paperhangers	6410	47-2140
Pipelayers	6441	47-2151
Plumbers, pipefitters, and steamfitters	6442	47-2152

2018 Census Title	2018 Census Code	2018 SOC Code
Plasterers and stucco masons	6460	47-2161
Reinforcing iron and rebar workers	6500	47-2171
Roofers	6515	47-2181
Sheet metal workers	6520	47-2211
Structural iron and steel workers	6530	47-2221
Solar photovoltaic installers	6540	47-2231
Helpers, construction trades	6600	47-3010
Construction and building inspectors	6660	47-4011
Elevator and escalator installers and repairers	6700	47-4021
Fence erectors	6710	47-4031
Hazardous materials removal workers	6720	47-4041
Highway maintenance workers	6730	47-4051
Rail-track laying and maintenance equipment operators	6740	47-4061
Septic tank servicers and sewer pipe cleaners	6750	47-4071
Miscellaneous construction and related workers	6765	47-4090
Derrick, rotary drill, and service unit operators, oil and gas	6800	47-5010
Excavating and loading machine and dragline operators, surface mining	6821	47-5022
Earth drillers, except oil and gas	6825	47-5023
Explosives workers, ordnance handling experts, and blasters	6835	47-5032
Underground mining machine operators	6850	47-5040
Roustabouts, oil and gas	6920	47-5071
Other extraction workers	6950	47-50XX
Installation, Maintenance, and Repair Occupations	7000-7640	49-0000
First-line supervisors of mechanics, installers, and repairers	7000	49-1011
Computer, automated teller, and office machine repairers	7010	49-2011
Radio and telecommunications equipment installers and repairers	7020	49-2020
Avionics technicians	7030	49-2091
Electric motor, power tool, and related repairers	7040	49-2092
Electrical and electronics installers and repairers, transportation equipment	7050	49-2093
Electrical and electronics repairers, industrial and utility	7100	49-209X
Electronic equipment installers and repairers, motor vehicles	7110	49-2096
Audiovisual equipment installers and repairers	7120	49-2097
Security and fire alarm systems installers	7130	49-2098
Aircraft mechanics and service technicians	7140	49-3011
Automotive body and related repairers	7150	49-3021
Automotive glass installers and repairers	7160	49-3022
Automotive service technicians and mechanics	7200	49-3023
Bus and truck mechanics and diesel engine specialists	7210	49-3031
Heavy vehicle and mobile equipment service technicians and mechanics	7220	49-3040
Small engine mechanics	7240	49-3050

2018 Census Title	2018 Census Code	2018 SOC Code
Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers	7260	49-3090
Control and valve installers and repairers	7300	49-9010
Heating, air conditioning, and refrigeration mechanics and installers	7315	49-9021
Home appliance repairers	7320	49-9031
Industrial and refractory machinery mechanics	7330	49-904X
Maintenance and repair workers, general	7340	49-9071
Maintenance workers, machinery	7350	49-9043
Millwrights	7360	49-9044
Electrical power-line installers and repairers	7410	49-9051
Telecommunications line installers and repairers	7420	49-9052
Precision instrument and equipment repairers	7430	49-9060
Wind turbine service technicians	7440	49-9081
Coin, vending, and amusement machine servicers and repairers	7510	49-9091
Commercial divers	7520	49-9092
Locksmiths and safe repairers	7540	49-9094
Manufactured building and mobile home installers	7550	49-9095
Riggers	7560	49-9096
Helpers--installation, maintenance, and repair workers	7610	49-9098
Other installation, maintenance, and repair workers	7640	49-909X
<i>Production, Transportation, and Material Moving Occupations</i>	<i>7700-9760</i>	<i>51-0000 - 53-0000</i>
<i>Production Occupations</i>	<i>7700-8990</i>	<i>51-0000</i>
First-line supervisors of production and operating workers	7700	51-1011
Aircraft structure, surfaces, rigging, and systems assemblers	7710	51-2011
Electrical, electronics, and electromechanical assemblers	7720	51-2020
Engine and other machine assemblers	7730	51-2031
Structural metal fabricators and fitters	7740	51-2041
Other assemblers and fabricators	7750	51-20XX
Bakers	7800	51-3011
Butchers and other meat, poultry, and fish processing workers	7810	51-3020
Food and tobacco roasting, baking, and drying machine operators and tenders	7830	51-3091
Food batchmakers	7840	51-3092
Food cooking machine operators and tenders	7850	51-3093
Food processing workers, all other	7855	51-3099
Computer numerically controlled tool operators and programmers	7905	51-9160
Forming machine setters, operators, and tenders, metal and plastic	7925	51-4020
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	7950	51-4031
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	8000	51-4033
Other machine tool setters, operators, and tenders, metal and plastic	8025	51-403X

2018 Census Title	2018 Census Code	2018 SOC Code
Machinists	8030	51-4041
Metal furnace operators, tenders, pourers, and casters	8040	51-4050
Model makers and patternmakers, metal and plastic	8060	51-4060
Molders and molding machine setters, operators, and tenders, metal and plastic	8100	51-4070
Tool and die makers	8130	51-4111
Welding, soldering, and brazing workers	8140	51-4120
Other metal workers and plastic workers	8225	51-4XXX
Prepress technicians and workers	8250	51-5111
Printing press operators	8255	51-5112
Print binding and finishing workers	8256	51-5113
Laundry and dry-cleaning workers	8300	51-6011
Pressers, textile, garment, and related materials	8310	51-6021
Sewing machine operators	8320	51-6031
Shoe and leather workers	8335	51-6040
Tailors, dressmakers, and sewers	8350	51-6050
Textile machine setters, operators, and tenders	8365	51-6060
Upholsterers	8450	51-6093
Other textile, apparel, and furnishings workers	8465	51-609X
Cabinetmakers and bench carpenters	8500	51-7011
Furniture finishers	8510	51-7021
Sawing machine setters, operators, and tenders, wood	8530	51-7041
Woodworking machine setters, operators, and tenders, except sawing	8540	51-7042
Other woodworkers	8555	51-70XX
Power plant operators, distributors, and dispatchers	8600	51-8010
Stationary engineers and boiler operators	8610	51-8021
Water and wastewater treatment plant and system operators	8620	51-8031
Miscellaneous plant and system operators	8630	51-8090
Chemical processing machine setters, operators, and tenders	8640	51-9010
Crushing, grinding, polishing, mixing, and blending workers	8650	51-9020
Cutting workers	8710	51-9030
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	8720	51-9041
Furnace, kiln, oven, drier, and kettle operators and tenders	8730	51-9051
Inspectors, testers, sorters, samplers, and weighers	8740	51-9061
Jewelers and precious stone and metal workers	8750	51-9071
Dental and ophthalmic laboratory technicians and medical appliance technicians	8760	51-9080
Packaging and filling machine operators and tenders	8800	51-9111
Painting workers	8810	51-9120
Photographic process workers and processing machine operators	8830	51-9151
Adhesive bonding machine operators and tenders	8850	51-9191
Etchers and engravers	8910	51-9194

2018 Census Title	2018 Census Code	2018 SOC Code
Molders, shapers, and casters, except metal and plastic	8920	51-9195
Paper goods machine setters, operators, and tenders	8930	51-9196
Tire builders	8940	51-9197
Helpers--production workers	8950	51-9198
Other production equipment operators and tenders	8865	51-919X
Other production workers	8990	51-91XX
Transportation and Material Moving Occupations	9005-9760	53-0000
Transportation Occupations	9005-9430	53-1000 - 53-6000
Supervisors of transportation and material moving workers	9005	53-1000
Aircraft pilots and flight engineers	9030	53-2010
Air traffic controllers and airfield operations specialists	9040	53-2020
Flight attendants	9050	53-2031
Ambulance drivers and attendants, except emergency medical technicians	9110	53-3011
Bus drivers, school	9121	53-3051
Bus drivers, transit and intercity	9122	53-3052
Driver/sales workers and truck drivers	9130	53-3030
Shuttle drivers and chauffeurs	9141	53-3053
Taxi drivers	9142	53-3054
Motor vehicle operators, all other	9150	53-3099
Locomotive engineers and operators	9210	53-4010
Railroad conductors and yardmasters	9240	53-4031
Other rail transportation workers	9265	53-40XX
Sailors and marine oilers	9300	53-5011
Ship and boat captains and operators	9310	53-5020
Ship engineers	9330	53-5031
Parking attendants	9350	53-6021
Transportation service attendants	9365	53-6030
Transportation inspectors	9410	53-6051
Passenger attendants	9415	53-6061
Other transportation workers	9430	53-60XX
Material Moving Occupations	9510-9760	53-7000
Crane and tower operators	9510	53-7021
Conveyor, dredge, and hoist and winch operators	9570	53-70XX
Industrial truck and tractor operators	9600	53-7051
Cleaners of vehicles and equipment	9610	53-7061
Laborers and freight, stock, and material movers, hand	9620	53-7062
Machine feeders and offbearers	9630	53-7063
Packers and packagers, hand	9640	53-7064
Stockers and order fillers	9645	53-7065
Pumping station operators	9650	53-7070
Refuse and recyclable material collectors	9720	53-7081
Other material moving workers	9760	53-71XX
Military Specific Occupations	9800-9830	55-0000

2018 Census Title	2018 Census Code	2018 SOC Code
Military officer special and tactical operations leaders	9800	55-1010
First-line enlisted military supervisors	9810	55-2010
Military enlisted tactical operations and air/weapons specialists and crew members	9825	55-3010
Military, rank not Specified	9830	none
<i>Unemployed, with no work experience in the last 5 years or earlier or never worked</i>	9920	none

Crosswalk Legend	Yellow fill: new occupation, code, title
	Gray fill: change to code title
	Red font: change to Census code and/or SOC code (but not a new occupation)
	Blue font: new occupation title

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
11-1011	0010	Chief Executives	11-1011	0010	Chief Executives
11-1021	0020	General and Operations Managers	11-1021	0020	General and Operations Managers
11-1031	0030	Legislators	11-1031	0030	Legislators
11-2011	0040	Advertising and Promotions Managers	11-2011	0040	Advertising and Promotions Managers
11-2020	0050	Marketing and Sales Managers			
			11-2021	0051	Marketing Managers
			11-2022	0052	Sales Managers
11-2031	0060	Public Relations and Fundraising Managers	11-2030	0060	Public Relations and Fundraising Managers
					Public Relations Managers (11-2032)
					Fundraising Managers (11-2033)
11-3011	0100	Administrative Services Managers			
			11-3012	0101	Administrative Services Managers
			11-3013	0102	Facilities Managers
11-3021	0110	Computer and Information Systems Managers	11-3021	0110	Computer and Information Systems Managers
11-3031	0120	Financial Managers	11-3031	0120	Financial Managers
11-3111	0135	Compensation and Benefits Managers	11-3111	0135	Compensation and Benefits Managers
11-3121	0136	Human Resources Managers	11-3121	0136	Human Resources Managers
11-3131	0137	Training and Development Managers	11-3131	0137	Training and Development Managers
11-3051	0140	Industrial Production Managers	11-3051	0140	Industrial Production Managers
11-3061	0150	Purchasing Managers	11-3061	0150	Purchasing Managers
11-3071	0160	Transportation, Storage, and Distribution Managers	11-3071	0160	Transportation, Storage, and Distribution Managers

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
11-9013	0205	Farmers, Ranchers, and Other Agricultural Managers	11-9013	0205	Farmers, Ranchers, and Other Agricultural Managers
11-9021	0220	Construction Managers	11-9021	0220	Construction Managers
11-9030	0230	Education Administrators	11-9030	0230	Education and Childcare Administrators
					Education and Childcare Administrators, Preschool and Daycare (11-9031)
					Education Administrators, Kindergarten through Secondary (11-9032)
					Education Administrators, Postsecondary (11-9033)
					Education Administrators, All Other (11-9039)
11-9041	0300	Architectural and Engineering Managers	11-9041	0300	Architectural and Engineering Managers
11-9051	0310	Food Service Managers	11-9051	0310	Food Service Managers
11-9061	0325	Funeral Service Managers	11-9171	0325	Funeral Home Managers
11-9071	0330	Gaming Managers	11-9070	0335	Entertainment and Recreation Managers
					Gambling Managers (11-9071)
					Entertainment and Recreation Managers, Except Gambling (11-9072)
11-9081	0340	Lodging Managers	11-9081	0340	Lodging Managers
11-9111	0350	Medical and Health Services Managers	11-9111	0350	Medical and Health Services Managers
11-9121	0360	Natural Sciences Managers	11-9121	0360	Natural Sciences Managers
11-9131	0400	Postmasters and Mail Superintendents	11-9131	0400	Postmasters and Mail Superintendents
11-9141	0410	Property, Real Estate, and Community Association Managers	11-9141	0410	Property, Real Estate, and Community Association Managers
11-9151	0420	Social and Community Service Managers	11-9151	0420	Social and Community Service Managers

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
11-9161	0425	Emergency Management Directors	11-9161	0425	Emergency Management Directors
			11-9179	0426	Personal Service Managers, All Other
11-9199	0430	Managers, All Other	11-9199	0440	Managers, All Other
13-1011	0500	Agents and Business Managers of Artists, Performers, and Athletes	13-1011	0500	Agents and Business Managers of Artists, Performers, and Athletes
13-1021	0510	Buyers and Purchasing Agents, Farm Products	13-1021	0510	Buyers and Purchasing Agents, Farm Products
13-1022	0520	Wholesale and Retail Buyers, Except Farm Products	13-1022	0520	Wholesale and Retail Buyers, Except Farm Products
13-1023	0530	Purchasing Agents, Except Wholesale, Retail, and Farm Products	13-1023	0530	Purchasing Agents, Except Wholesale, Retail, and Farm Products
13-1030	0540	Claims Adjusters, Appraisers, Examiners, and Investigators	13-1030	0540	Claims Adjusters, Appraisers, Examiners, and Investigators
					Claims Adjusters, Examiners, and Investigators (13-1031)
					Insurance Appraisers, Auto Damage (13-1032)
13-1041	0565	Compliance Officers	13-1041	0565	Compliance Officers
13-1051	0600	Cost Estimators	13-1051	0600	Cost Estimators
13-1070	0630	Human Resources Workers	13-1070	0630	Human Resources Workers
					Human Resources Specialists (13-1071)
					Farm Labor Contractors (13-1074)
					Labor Relations Specialists (13-1075)
13-1081	0700	Logisticians	13-1081	0700	Logisticians
			13-1082	0705	Project Management Specialists
13-1111	0710	Management Analysts	13-1111	0710	Management Analysts
13-1121	0725	Meeting, Convention, and Event Planners	13-1121	0725	Meeting, Convention, and Event Planners
13-1131	0726	Fundraisers	13-1131	0726	Fundraisers

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
13-1141	0640	Compensation, Benefits, and Job Analysis Specialists	13-1141	0640	Compensation, Benefits, and Job Analysis Specialists
13-1151	0650	Training and Development Specialists	13-1151	0650	Training and Development Specialists
13-1161	0735	Market Research Analysts and Marketing Specialists	13-1161	0735	Market Research Analysts and Marketing Specialists
13-1199	0740	Business Operations Specialists, All Other	13-1199	0750	Business Operations Specialists, All Other
13-2011	0800	Accountants and Auditors	13-2011	0800	Accountants and Auditors
13-2021	0810	Appraisers and Assessors of Real Estate	13-2020	0810	Property Appraisers and Assessors
					Appraisers of Personal and Business Property (13-2022)
					Appraisers and Assessors of Real Estate (13-2023)
13-2031	0820	Budget Analysts	13-2031	0820	Budget Analysts
13-2041	0830	Credit Analysts	13-2041	0830	Credit Analysts
13-2051	0840	Financial Analysts	13-2051	0845	Financial and Investment Analysts
13-2052	0850	Personal Financial Advisors	13-2052	0850	Personal Financial Advisors
13-2053	0860	Insurance Underwriters	13-2053	0860	Insurance Underwriters
13-2061	0900	Financial Examiners	13-2061	0900	Financial Examiners
13-2070	0910	Credit Counselors and Loan Officers	13-2070	0910	Credit Counselors and Loan Officers
					Credit Counselors (13-2071)
					Loan Officers (13-2072)
13-2081	0930	Tax Examiners and Collectors, and Revenue Agents	13-2081	0930	Tax Examiners and Collectors, and Revenue Agents
13-2082	0940	Tax Preparers	13-2082	0940	Tax Preparers
13-2099	0950	Financial Specialists, All Other	13-20XX	0960	Other Financial Specialists
					Financial Risk Specialists (13-2054)
					Financial Specialists, All Other (13-2099)
15-1111	1005	Computer and Information Research Scientists	15-1221	1005	Computer and Information Research Scientists

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
15-1121	1006	Computer Systems Analysts	15-1211	1006	Computer Systems Analysts
15-1199	1107	Computer Occupations, All Other	15-1299	1108	Computer Occupations, All Other
15-1131	1010	Computer Programmers	15-1251	1010	Computer Programmers
15-113X	1020	Software Developers, Applications and Systems Software			
			15-1252	1021	Software Developers
			15-1253	1022	Software Quality Assurance Analysts and Testers
15-1150	1050	Computer Support Specialists	15-1230	1050	Computer Support Specialists
					Computer Network Support Specialists (15-1231)
					Computer User Support Specialists (15-1232)
15-1141	1060	Database Administrators	15-124X	1065	Database Administrators and Architects
					Database Administrators (15-1242)
					Database Architects (15-1243)
15-1142	1105	Network and Computer Systems Administrators	15-1244	1105	Network and Computer Systems Administrators
15-1122	1007	Information Security Analysts	15-1212	1007	Information Security Analysts
15-1134	1030	Web Developers			
			15-1254	1031	Web Developers
			15-1255	1032	Web and Digital Interface Designers
15-1143	1106	Computer Network Architects	15-1241	1106	Computer Network Architects
15-2011	1200	Actuaries	15-2011	1200	Actuaries
15-2021	1210	Mathematicians	15-2021	1210	Mathematicians
15-2031	1220	Operations Research Analysts	15-2031	1220	Operations Research Analysts
15-2041	1230	Statisticians	15-2041	1230	Statisticians
15-2090	1240	Miscellaneous Mathematical Science Occupations	15-20XX	1240	Other Mathematical Science Occupations
					Data Scientists (15-2051)
					Mathematical Science Occupations, All Other (15-2099)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
17-1010	1300	Architects, except naval			
			17-1011	1305	Architects, Except Landscape and Naval
			17-1012	1306	Landscape Architects
17-1020	1310	Surveyors, Cartographers, and Photogrammetrists	17-1020	1310	Surveyors, Cartographers, and Photogrammetrists
					Cartographers and Photogrammetrists (17-1021)
					Surveyors (17-1022)
17-2011	1320	Aerospace Engineers	17-2011	1320	Aerospace Engineers
17-2021	1330	Agricultural Engineers	17-2021	1330	Agricultural Engineers
17-2031	1340	Biomedical Engineers	17-2031	1340	Bioengineers and biomedical engineers
17-2041	1350	Chemical Engineers	17-2041	1350	Chemical Engineers
17-2051	1360	Civil Engineers	17-2051	1360	Civil Engineers
17-2061	1400	Computer Hardware Engineers	17-2061	1400	Computer Hardware Engineers
17-2070	1410	Electrical and Electronics Engineers	17-2070	1410	Electrical and Electronics Engineers
					Electrical Engineers (17-2071)
					Electronics Engineers, Except Computer (17-2072)
17-2081	1420	Environmental Engineers	17-2081	1420	Environmental Engineers
17-2110	1430	Industrial Engineers, including Health and Safety	17-2110	1430	Industrial Engineers, including Health and Safety
					Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)
					Industrial Engineers (17-2112)
17-2121	1440	Marine Engineers and Naval Architects	17-2121	1440	Marine Engineers and Naval Architects
17-2131	1450	Materials Engineers	17-2131	1450	Materials Engineers
17-2141	1460	Mechanical Engineers	17-2141	1460	Mechanical Engineers
17-2151	1500	Mining and Geological Engineers, Including Mining Safety Engineers	17-2151	1500	Mining and Geological Engineers, Including Mining Safety Engineers
17-2161	1510	Nuclear Engineers	17-2161	1510	Nuclear Engineers
17-2171	1520	Petroleum Engineers	17-2171	1520	Petroleum Engineers

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
17-2199	1530	Engineers, All Other	17-2199	1530	Engineers, All Other
17-3010	1540	Drafters			
			17-3011	1541	Architectural and Civil Drafters
			17-301X	1545	Other Drafters
					Electrical and Electronics Drafters (17-3012)
					Mechanical Drafters (17-3013)
					Drafters, All Other (17-3019)
17-3020	1550	Engineering Technicians, Except Drafters			
			17-3023	1551	Electrical and Electronic Engineering Technologists and Technicians
			17-302X	1555	Other Engineering Technologists and Technicians, Except Drafters
					Aerospace Engineering and Operations Technologists and Technicians (17-3021)
					Civil Engineering Technologists and Technicians (17-3022)
					Electro-Mechanical and Mechatronics Technologists and Technicians (17-3024)
					Environmental Engineering Technologists and Technicians (17-3025)
					Industrial Engineering Technologists and Technicians (17-3026)
					Mechanical Engineering Technologists and Technicians (17-3027)
					Calibration Technologists and Technicians (17-3028)
					Engineering Technologists and Technicians, Except Drafters, All Other (17-3029)
17-3031	1560	Surveying and Mapping Technicians	17-3031	1560	Surveying and Mapping Technicians
19-1010	1600	Agricultural and Food Scientists	19-1010	1600	Agricultural and Food Scientists
					Animal Scientists (19-1011)
					Food Scientists and Technologists (19-1012)
					Soil and Plant Scientists (19-1013)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
19-1020	1610	Biological Scientists	19-1020	1610	Biological Scientists
					Biochemists and Biophysicists (19-1021)
					Microbiologists (19-1022)
					Zoologists and Wildlife Biologists (19-1023)
					Biological Scientists, All Other (19-1029)
19-1030	1640	Conservation Scientists and Foresters	19-1030	1640	Conservation Scientists and Foresters
					Conservation Scientists (19-1031)
					Foresters (19-1032)
19-1040	1650	Medical Scientists	19-1040	1650	Medical Scientists
					Epidemiologists (19-1041)
					Medical Scientists, Except Epidemiologists (19-1042)
19-1099	1660	Life scientists, all other	19-1099	1660	Life Scientists, All Other
19-2010	1700	Astronomers and Physicists	19-2010	1700	Astronomers and Physicists
					Astronomers (19-2011)
					Physicists (19-2012)
19-2021	1710	Atmospheric and Space Scientists	19-2021	1710	Atmospheric and Space Scientists
19-2030	1720	Chemists and Materials Scientists	19-2030	1720	Chemists and Materials Scientists
					Chemists (19-2031)
					Materials Scientists (19-2032)
19-2040	1740	Environmental Scientists and Geoscientists			
			19-2041	1745	Environmental Scientists and Specialists, Including Health
			19-204X	1750	Geoscientists and Hydrologists, Except Geographers
					Geoscientists, Except Hydrologists and Geographers (19-2042)
					Hydrologists (19-2043)
19-2099	1760	Physical Scientists, All Other	19-2099	1760	Physical Scientists, All Other
19-3011	1800	Economists	19-3011	1800	Economists
19-3022	1815	Survey Researchers	19-3022	1815	Survey Researchers
19-3030	1820	Psychologists			

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
			19-3033	1821	Clinical and Counseling Psychologists
			19-3034	1822	School Psychologists
			19-303X	1825	Other Psychologists
					Industrial-Organizational Psychologists (19-3032)
					Psychologists, All Other (19-3039)
19-3041	1830	Sociologists	19-3041	1830	Sociologists
19-3051	1840	Urban and Regional Planners	19-3051	1840	Urban and Regional Planners
19-3090	1860	Miscellaneous Social Scientists and Related Workers	19-3090	1860	Miscellaneous Social Scientists and Related Workers
					Anthropologists and Archeologists (19-3091)
					Geographers (19-3092)
					Historians (19-3093)
					Political Scientists (19-3094)
					Social Scientists and Related Workers, All Other (19-3099)
19-4011	1900	Agricultural and Food Science Technicians	19-4010	1900	Agricultural and Food Science Technicians
					Agricultural Technicians (19-4012)
					Food Science Technicians (19-4013)
19-4021	1910	Biological Technicians	19-4021	1910	Biological Technicians
19-4031	1920	Chemical Technicians	19-4031	1920	Chemical Technicians
19-4041	1930	Geological and Petroleum Technicians	19-4040	1935	Environmental Science and Geoscience Technicians
					Environmental Science and Protection Technicians, Including Health (19-4042)
					Geological Technicians, except Hydrologic Technicians (19-4043)
					Hydrologic Technicians (19-4044)
19-4051	1940	Nuclear Technicians	19-4051	1940	Nuclear Technicians
19-4061	1950	Social Science Research Assistants	19-4061	1950	Social Science Research Assistants
19-4090	1965	Miscellaneous Life, Physical, and Social Science Technicians	19-40XX	1970	Other Life, Physical, and Social Science Technicians

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Forest and Conservation Technicians (19-4071)
					Forensic Science Technicians (19-4092)
					Life, Physical, and Social Science Technicians, All Other (19-4099)
21-1010	2000	Counselors			
			21-1011	2001	Substance Abuse and Behavioral Disorder Counselors
			21-1012	2002	Educational, Guidance, and Career Counselors and Advisors
			21-1013	2003	Marriage and Family Therapists
			21-1014	2004	Mental Health Counselors
			21-1015	2005	Rehabilitation Counselors
			21-1019	2006	Counselors, All Other
21-1020	2010	Social Workers			
			21-1021	2011	Child, Family, and School Social Workers
			21-1022	2012	Healthcare Social Workers
			21-1023	2013	Mental Health and Substance Abuse Social Workers
			21-1029	2014	Social Workers, All Other
21-1092	2015	Probation officers and correctional treatment specialists	21-1092	2015	Probation Officers and Correctional Treatment Specialists
21-1093	2016	Social and human service assistants	21-1093	2016	Social and Human Service Assistants
21-109X	2025	Miscellaneous Community and Social Service Specialists, including health educators and community health workers	21-109X	2025	Other Community and Social Service Specialists
					Health Education Specialists (21-1091)
					Community Health Workers (21-1094)
					Community and Social Service Specialists, All Other (21-1099)
21-2011	2040	Clergy	21-2011	2040	Clergy
21-2021	2050	Directors, Religious Activities and Education	21-2021	2050	Directors, Religious Activities and Education
21-2099	2060	Religious Workers, All Other	21-2099	2060	Religious Workers, All Other

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
23-1011	2100	Lawyers	23-1011	2100	Lawyers
23-1012	2105	Judicial Law Clerks	23-1012	2105	Judicial Law Clerks
23-1020	2110	Judges, Magistrates, and Other Judicial Workers	23-1020	2110	Judges, Magistrates, and Other Judicial Workers
					Administrative Law Judges, Adjudicators, and Hearing Officers (23-1021)
					Arbitrators, Mediators, and Conciliators (23-1022)
					Judges, Magistrate Judges, and Magistrates (23-1023)
23-2011	2145	Paralegals and Legal Assistants	23-2011	2145	Paralegals and Legal Assistants
23-2090	2160	Miscellaneous Legal Support Workers			
			27-3092	2862	Court Reporters and Simultaneous Captioners
			23-2093	2170	Title Examiners, Abstractors, and Searchers
			23-2099	2180	Legal Support Workers, All Other
25-1000	2200	Postsecondary Teachers	25-1000	2205	Postsecondary Teachers
					Business Teachers, Postsecondary (25-1011)
					Computer Science Teachers, Postsecondary (25-1021)
					Mathematical Science Teachers, Postsecondary (25-1022)
					Architecture Teachers, Postsecondary (25-1031)
					Engineering Teachers, Postsecondary (25-1032)
					Agricultural Sciences Teachers, Postsecondary (25-1041)
					Biological Science Teachers, Postsecondary (25-1042)
					Forestry and Conservation Science Teachers, Postsecondary (25-1043)
					Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary (25-1051)
					Chemistry Teachers, Postsecondary (25-1052)
					Environmental Science Teachers, Postsecondary (25-1053)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Physics Teachers, Postsecondary (25-1054)
					Anthropology and Archeology Teachers, Postsecondary (25-1061)
					Area, Ethnic, and Cultural Studies Teachers, Postsecondary (25-1062)
					Economics Teachers, Postsecondary (25-1063)
					Geography Teachers, Postsecondary (25-1064)
					Political Science Teachers, Postsecondary (25-1065)
					Psychology Teachers, Postsecondary (25-1066)
					Sociology Teachers, Postsecondary (25-1067)
					Social Sciences Teachers, Postsecondary, All Other (25-1069)
					Health Specialties Teachers, Postsecondary (25-1071)
					Nursing Instructors and Teachers, Postsecondary (25-1072)
					Education Teachers, Postsecondary (25-1081)
					Library Science Teachers, Postsecondary (25-1082)
					Criminal Justice and Law Enforcement Teachers, Postsecondary (25-1111)
					Law Teachers, Postsecondary (25-1112)
					Social Work Teachers, Postsecondary (25-1113)
					Art, Drama, and Music Teachers, Postsecondary (25-1121)
					Communications Teachers, Postsecondary (25-1122)
					English Language and Literature Teachers, Postsecondary (25-1123)
					Foreign Language and Literature Teachers, Postsecondary (25-1124)
					History Teachers, Postsecondary (25-1125)
					Philosophy and Religion Teachers, Postsecondary (25-1126)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Family and Consumer Sciences Teachers, Postsecondary (25-1192)
					Recreation and Fitness Studies Teachers, Postsecondary (25-1193)
					Career/Technical Education Teachers, Postsecondary (25-1194)
					Postsecondary Teachers, All Other (25-1199)
25-2010	2300	Preschool and Kindergarten Teachers	25-2010	2300	Preschool and Kindergarten Teachers
					Preschool Teachers, Except Special Education (25-2011)
					Kindergarten Teachers, Except Special Education (25-2012)
25-2020	2310	Elementary and Middle School Teachers	25-2020	2310	Elementary and Middle School Teachers
					Elementary School Teachers, Except Special Education (25-2021)
					Middle School Teachers, Except Special and Career/Technical Education (25-2022)
					Career/Technical Education Teachers, Middle School (25-2023)
25-2030	2320	Secondary School Teachers	25-2030	2320	Secondary School Teachers
					Secondary School Teachers, Except Special and Career/Technical Education (25-2031)
					Career/Technical Education Teachers, Secondary School (25-2032)
25-2050	2330	Special Education Teachers	25-2050	2330	Special Education Teachers
					Special Education Teachers, Preschool (25-2051)
					Special Education Teachers, Kindergarten (25-2055)
					Special Education Teachers, Elementary School (25-2056)
					Special Education Teachers, Middle School (25-2057)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Special Education Teachers, Secondary School (25-2058)
					Special Education Teachers, All Other (25-2059)
25-3000	2340	Other Teachers and Instructors			
			25-3041	2350	Tutors
			25-30XX	2360	Other Teachers and Instructors
					Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors (25-3011)
					Self-Enrichment Teachers (25-3021)
					Substitute Teachers, Short-Term (25-3031)
					Teachers and Instructors, All Other (25-3099)
25-4010	2400	Archivists, Curators, and Museum Technicians	25-4010	2400	Archivists, Curators, and Museum Technicians
					Archivists (25-4011)
					Curators (25-4012)
					Museum Technicians and Conservators (25-4013)
25-4021	2430	Librarians	25-4022	2435	Librarians and Media Collections Specialists
25-4031	2440	Library Technicians	25-4031	2440	Library Technicians
25-9041	2540	Teacher Assistants	25-9040	2545	Teaching Assistants
					Teaching Assistants, Preschool, Elementary, Middle, and Secondary School, Except Special Education (25-9042)
					Teaching Assistants, Special Education (25-9043)
					Teaching Assistants, Postsecondary (25-9044)
					Teaching Assistants, All Other (25-9049)
25-90XX	2550	Other Education, Training, and Library Workers	25-90XX	2555	Other Educational Instruction and Library Workers
					Farm and Home Management Educators (25-9021)
					Instructional Coordinators (25-9031)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Educational Instruction and Library Workers, All Other (25-9099)
27-1010	2600	Artists and Related Workers	27-1010	2600	Artists and Related Workers
					Art Directors (27-1011)
					Craft Artists (27-1012)
					Fine Artists, Including Painters, Sculptors, and Illustrators (27-1013)
					Special Effects Artists and Animators (27-1014)
					Artists and Related Workers, All Other (27-1019)
27-1020	2630	Designers			
			27-1021	2631	Commercial and Industrial Designers
			27-1022	2632	Fashion Designers
			27-1023	2633	Floral Designers
			27-1024	2634	Graphic Designers
			27-1025	2635	Interior Designers
			27-1026	2636	Merchandise Displayers and Window Trimmers
			27-102X	2640	Other Designers
					Set and Exhibit Designers (27-1027)
					Designers, All Other (27-1029)
27-2011	2700	Actors	27-2011	2700	Actors
27-2012	2710	Producers and Directors	27-2012	2710	Producers and Directors
27-2020	2720	Athletes, Coaches, Umpires, and Related Workers			
			27-2021	2721	Athletes and Sports Competitors
			27-2022	2722	Coaches and Scouts
			27-2023	2723	Umpires, Referees, and Other Sports Officials
27-2030	2740	Dancers and Choreographers	27-2030	2740	Dancers and Choreographers
					Dancers (27-2031)
					Choreographers (27-2032)
27-2040	2750	Musicians, Singers, and Related Workers			
			27-2041	2751	Music Directors and Composers
			27-2042	2752	Musicians and Singers
			27-2091	2755	Disc jockeys, except radio

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
27-2099	2760	Entertainers and Performers, Sports and Related Workers, All Other	27-2099	2770	Entertainers and Performers, Sports and Related Workers, All Other
27-3010	2800	Announcers	27-3011	2805	Broadcast Announcers and Radio Disc Jockeys
27-3020	2810	News Analysts, Reporters and Correspondents	27-3023	2810	News Analysts, Reporters, and Journalists
27-3031	2825	Public Relations Specialists	27-3031	2825	Public Relations Specialists
27-3041	2830	Editors	27-3041	2830	Editors
27-3042	2840	Technical Writers	27-3042	2840	Technical Writers
27-3043	2850	Writers and Authors	27-3043	2850	Writers and Authors
27-3090	2860	Miscellaneous Media and Communication Workers			
			27-3091	2861	Interpreters and Translators
			27-3099	2865	Media and Communication Workers, All Other
27-4010	2900	Broadcast and Sound Engineering Technicians and Radio Operators	27-4010	2905	Broadcast, Sound, and Lighting Technicians
					Audio and Video Technicians (27-4011)
					Broadcast Technicians (27-4012)
					Sound Engineering Technicians (27-4014)
					Lighting Technicians (27-4015)
27-4021	2910	Photographers	27-4021	2910	Photographers
27-4030	2920	Television, Video, and Motion Picture Camera Operators and Editors	27-4030	2920	Television, Video, and Film Camera Operators and Editors
					Camera Operators, Television, Video, and Film (27-4031)
					Film and Video Editors (27-4032)
27-4099	2960	Media and Communication Equipment Workers, All Other	27-4099	2970	Media and Communication Equipment Workers, All Other
29-1011	3000	Chiropractors	29-1011	3000	Chiropractors
29-1020	3010	Dentists	29-1020	3010	Dentists

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Dentists, General (29-1021)
					Oral and Maxillofacial Surgeons (29-1022)
					Orthodontists (29-1023)
					Prosthodontists (29-1024)
					Dentists, All Other Specialists (29-1029)
29-1031	3030	Dietitians and Nutritionists	29-1031	3030	Dietitians and Nutritionists
29-1041	3040	Optometrists	29-1041	3040	Optometrists
29-1051	3050	Pharmacists	29-1051	3050	Pharmacists
29-1060	3060	Physicians and Surgeons			
			29-1214	3065	Emergency Medicine Physicians
			29-1224	3070	Radiologists
			29-12XX	3090	Other Physicians
					Anesthesiologists (29-1211)
					Cardiologists (29-1212)
					Dermatologists (29-1213)
					Family Medicine Physicians (29-1215)
					General Internal Medicine Physicians (29-1216)
					Neurologists (29-1217)
					Obstetricians and Gynecologists (29-1218)
					Pediatricians, General (29-1221)
					Physicians, Pathologists (29-1222)
					Psychiatrists (29-1223)
					Physicians, All Other (29-1229)
			29-1240	3100	Surgeons
					Ophthalmologists, Except Pediatric (29-1241)
					Orthopedic Surgeons, Except Pediatric (29-1242)
					Pediatric Surgeons (29-1243)
					Surgeons, All Other (29-1249)
29-1071	3110	Physician Assistants	29-1071	3110	Physician Assistants
29-1081	3120	Podiatrists	29-1081	3120	Podiatrists
29-1122	3150	Occupational Therapists	29-1122	3150	Occupational Therapists
29-1123	3160	Physical Therapists	29-1123	3160	Physical Therapists
29-1124	3200	Radiation Therapists	29-1124	3200	Radiation Therapists

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
29-1125	3210	Recreational Therapists	29-1125	3210	Recreational Therapists
29-1126	3220	Respiratory Therapists	29-1126	3220	Respiratory Therapists
29-1127	3230	Speech-Language Pathologists	29-1127	3230	Speech-Language Pathologists
29-1128	3235	Exercise Physiologists	29-1128	3235	Exercise Physiologists
29-1129	3245	Therapists, All Other	29-1129	3245	Therapists, All Other
29-1131	3250	Veterinarians	29-1131	3250	Veterinarians
29-1141	3255	Registered Nurses	29-1141	3255	Registered Nurses
29-1151	3256	Nurse Anesthetists	29-1151	3256	Nurse Anesthetists
29-1161	3257	Nurse Midwives	29-1161	3257	Nurse Midwives
29-1171	3258	Nurse Practitioners	29-1171	3258	Nurse Practitioners
29-1181	3140	Audiologists	29-1181	3140	Audiologists
29-1199	3260	Health Diagnosing and Treating Practitioners, All Other			
			29-1291	3261	Acupuncturists
			29-1299	3270	Healthcare Diagnosing or Treating Practitioners, All Other
29-2010	3300	Clinical Laboratory Technologists and Technicians	29-2010	3300	Clinical Laboratory Technologists and Technicians
					Medical and Clinical Laboratory Technologists (29-2011)
					Medical and Clinical Laboratory Technicians (29-2012)
29-2021	3310	Dental Hygienists	29-1292	3310	Dental Hygienists
29-2030	3320	Diagnostic Related Technologists and Technicians			
			29-2031	3321	Cardiovascular Technologists and Technicians
			29-2032	3322	Diagnostic Medical Sonographers
			29-2034	3323	Radiologic Technologists and Technicians
			29-2035	3324	Magnetic Resonance Imaging Technologists
			29-203X	3330	Nuclear Medicine Technologists and Medical Dosimetrists
					Nuclear Medicine Technologists (29-2033)
					Medical Dosimetrists (29-2036)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
29-2041	3400	Emergency Medical Technicians and Paramedics			
			29-2042	3401	Emergency Medical Technicians
			29-2043	3402	Paramedics
29-2050	3420	Health Practitioner Support Technologists and Technicians			
			29-2052	3421	Pharmacy Technicians
			29-2053	3422	Psychiatric Technicians
			29-2055	3423	Surgical Technologists
			29-2056	3424	Veterinary Technologists and Technicians
			29-205X	3430	Dietetic Technicians and Ophthalmic Medical Technicians
					Dietetic Technicians (29-2051)
					Ophthalmic Medical Technicians (29-2057)
29-2061	3500	Licensed Practical and Licensed Vocational Nurses	29-2061	3500	Licensed Practical and Licensed Vocational Nurses
29-2071	3510	Medical Records and Health Information Technicians	29-2072	3515	Medical Records Specialists
29-2081	3520	Opticians, Dispensing	29-2081	3520	Opticians, Dispensing
29-2090	3535	Miscellaneous Health Technologists and Technicians	29-2090	3545	Miscellaneous Health Technologists and Technicians
					Orthotists and Prosthetists (29-2091)
					Hearing Aid Specialists (29-2092)
					Health Technologists and Technicians, All Other (29-2099)
29-9000	3540	Other Healthcare Practitioners and Technical Occupations			
			29-9000	3550	Other Healthcare Practitioners and Technical Occupations
					Health Information Technologists and Medical Registrars (29-9021)
					Athletic Trainers (29-9091)
					Genetic Counselors (29-9092)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Surgical Assistants (29-9093)
					Healthcare Practitioners and Technical Workers, All Other (29-9099)
			19-5010	1980	Occupational Health and Safety Specialists and Technicians
					Occupational Health and Safety Specialists (19-5011)
					Occupational Health and Safety Technicians (19-5012)
31-1010	3600	Nursing, Psychiatric, and Home Health Aides			
			31-1121	3601	Home Health Aides
			31-1131	3603	Nursing Assistants
			31-113X	3605	Orderlies and Psychiatric Aides
					Orderlies (31-1132)
					Psychiatric Aides (31-1133)
31-2010	3610	Occupational Therapy Assistants and Aides	31-2010	3610	Occupational Therapy Assistants and Aides
					Occupational Therapy Assistants (31-2011)
					Occupational Therapy Aides (31-2012)
31-2020	3620	Physical Therapist Assistants and Aides	31-2020	3620	Physical Therapist Assistants and Aides
					Physical Therapist Assistants (31-2021)
					Physical Therapist Aides (31-2022)
31-9011	3630	Massage Therapists	31-9011	3630	Massage Therapists
31-9091	3640	Dental Assistants	31-9091	3640	Dental Assistants
31-9092	3645	Medical Assistants	31-9092	3645	Medical Assistants
31-9094	3646	Medical Transcriptionists	31-9094	3646	Medical Transcriptionists
31-9095	3647	Pharmacy Aides	31-9095	3647	Pharmacy Aides
31-9096	3648	Veterinary Assistants and Laboratory Animal Caretakers	31-9096	3648	Veterinary Assistants and Laboratory Animal Caretakers
31-9097	3649	Phlebotomists	31-9097	3649	Phlebotomists
31-909X	3655	Healthcare support workers, all other, including medical equipment preparers	31-909X	3655	Other Healthcare Support Workers

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Medical equipment preparers (31-9093)
					Healthcare Support Workers, All Other (31-9099)
33-1011	3700	First-Line Supervisors of Correctional Officers	33-1011	3700	First-Line Supervisors of Correctional Officers
33-1012	3710	First-Line Supervisors of Police and Detectives	33-1012	3710	First-Line Supervisors of Police and Detectives
33-1021	3720	First-Line Supervisors of Fire Fighting and Prevention Workers	33-1021	3720	First-Line Supervisors of Firefighting and Prevention Workers
33-1099	3730	First-Line Supervisors of Protective Service Workers, All Other			
			33-1091	3725	First-Line Supervisors of Security Workers
			33-1099	3735	First-Line Supervisors of Protective Service Workers, All Other
33-2011	3740	Firefighters	33-2011	3740	Firefighters
33-2020	3750	Fire Inspectors	33-2020	3750	Fire Inspectors
					Fire Inspectors and Investigators (33-2021)
					Forest Fire Inspectors and Prevention Specialists (33-2022)
33-3010	3800	Bailiffs, Correctional Officers, and Jailers			
			33-3011	3801	Bailiffs
			33-3012	3802	Correctional Officers and Jailers
33-3021	3820	Detectives and Criminal Investigators	33-3021	3820	Detectives and Criminal Investigators
33-3031	3830	Fish and Game Wardens	33-3031	3830	Fish and Game Wardens
33-3041	3840	Parking Enforcement Workers	33-3041	3840	Parking Enforcement Workers
			33-3050	3870	Police Officers
33-3051	3850	Police and Sheriff's Patrol Officers			Police and Sheriff's Patrol Officers (33-3051)
33-3052	3860	Transit and Railroad Police			Transit and Railroad Police (33-3052)
33-9011	3900	Animal Control Workers	33-9011	3900	Animal Control Workers
33-9021	3910	Private Detectives and Investigators	33-9021	3910	Private Detectives and Investigators

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
33-9030	3930	Security Guards and Gaming Surveillance Officers	33-9030	3930	Security Guards and Gambling Surveillance Officers
					Gambling Surveillance Officers and Gambling Investigators (33-9031)
					Security Guards (33-9032)
33-9091	3940	Crossing Guards	33-9091	3940	Crossing Guards and Flaggers
33-9093	3945	Transportation Security Screeners	33-9093	3945	Transportation Security Screeners
33-909X	3955	Lifeguards and Other Recreational, and All Other Protective Service Workers			
			33-9094	3946	School Bus Monitors
			33-909X	3960	Other Protective Service Workers
					Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers (33-9092)
					Protective Service Workers, All Other (33-9099)
35-1011	4000	Chefs and Head Cooks	35-1011	4000	Chefs and Head Cooks
35-1012	4010	First-Line Supervisors of Food Preparation and Serving Workers	35-1012	4010	First-Line Supervisors of Food Preparation and Serving Workers
35-2010	4020	Cooks	35-2010	4020	Cooks
					Cooks, Fast Food (35-2011)
					Cooks, Institution and Cafeteria (35-2012)
					Cooks, Private Household (35-2013)
					Cooks, Restaurant (35-2014)
					Cooks, Short Order (35-2015)
					Cooks, All Other (35-2019)
35-2021	4030	Food Preparation Workers	35-2021	4030	Food Preparation Workers
35-3011	4040	Bartenders	35-3011	4040	Bartenders
			35-3023	4055	Fast Food and Counter Workers
35-3021	4050	Combined Food Preparation and Serving Workers, Including Fast Food			
35-3022	4060	Counter Attendants, Cafeteria, Food			

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
		Concession, and Coffee Shop			
35-3031	4110	Waiters and Waitresses	35-3031	4110	Waiters and Waitresses
35-3041	4120	Food Servers, Nonrestaurant	35-3041	4120	Food Servers, Nonrestaurant
35-9011	4130	Dining Room and Cafeteria Attendants and Bartender Helpers	35-9011	4130	Dining Room and Cafeteria Attendants and Bartender Helpers
35-9021	4140	Dishwashers	35-9021	4140	Dishwashers
35-9031	4150	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	35-9031	4150	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop
35-9099	4160	Food Preparation and Serving Related Workers, All Other	35-9099	4160	Food Preparation and Serving Related Workers, All Other
37-1011	4200	First-Line Supervisors of Housekeeping and Janitorial Workers	37-1011	4200	First-Line Supervisors of Housekeeping and Janitorial Workers
37-1012	4210	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	37-1012	4210	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers
37-201X	4220	Janitors and Building Cleaners	37-201X	4220	Janitors and Building Cleaners
					Janitors and Cleaners, Except Maids and Housekeeping Cleaners (37-2011)
					Building Cleaning Workers, All Other (37-2019)
37-2012	4230	Maids and housekeeping cleaners	37-2012	4230	Maids and Housekeeping Cleaners
37-2021	4240	Pest Control Workers	37-2021	4240	Pest Control Workers
37-3010	4250	Grounds Maintenance Workers			
			37-3011	4251	Landscaping and Groundskeeping Workers
			37-3013	4252	Tree Trimmers and Pruners
			37-301X	4255	Other Grounds Maintenance Workers

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Pesticide Handlers, Sprayers, and Applicators, Vegetation (37-3012)
					Grounds Maintenance Workers, All Other (37-3019)
			39-1000	4330	Supervisors of Personal Care and Service Workers
39-1010	4300	First-Line Supervisors of Gaming Workers			First-line Supervisors of Gambling Services Workers (39-1013)
39-1021	4320	First-Line Supervisors of Personal Service Workers			First-line Supervisors of Entertainment and Recreation Workers, Except Gambling Services (39-1014)
					First-Line Supervisors of Personal Service Workers (39-1022)
39-2011	4340	Animal Trainers	39-2011	4340	Animal Trainers
39-2021	4350	Nonfarm Animal Caretakers	39-2021	4350	Animal Caretakers
39-3010	4400	Gaming Services Workers	39-3010	4400	Gambling Services Workers
					Gambling Dealers (39-3011)
					Gambling and Sports Book Writers and Runners (39-3012)
					Gambling Service Workers, All Other (39-3019)
39-3021	4410	Motion Picture Projectionists			
39-3031	4420	Ushers, Lobby Attendants, and Ticket Takers	39-3031	4420	Ushers, Lobby Attendants, and Ticket Takers
39-3090	4430	Miscellaneous Entertainment Attendants and Related Workers	39-30XX	4435	Other Entertainment Attendants and Related Workers
					Motion Picture and Film Projectionists (39-3021)
					Amusement and Recreation Attendants (39-3091)
					Costume Attendants (39-3092)
					Locker Room, Coatroom, and Dressing Room Attendants (39-3093)
					Entertainment Attendants and Related Workers, All Other (39-3099)
39-40XX	4460	Embalmers and Funeral Attendants	39-40XX	4461	Embalmers, Crematory Operators and Funeral Attendants

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Embalmers (39-4011)
					Crematory Operators (39-4012)
					Funeral Attendants (39-4021)
39-4031	4465	Morticians, Undertakers, and Funeral Directors	39-4031	4465	Morticians, Undertakers, and Funeral Arrangers
39-5011	4500	Barbers	39-5011	4500	Barbers
39-5012	4510	Hairdressers, Hairstylists, and Cosmetologists	39-5012	4510	Hairdressers, Hairstylists, and Cosmetologists
39-5090	4520	Miscellaneous Personal Appearance Workers			
			39-5092	4521	Manicurists and Pedicurists
			39-5094	4522	Skincare Specialists
			39-509X	4525	Other Personal Appearance Workers
					Makeup Artists, Theatrical and Performance (39-5091)
					Shampooers (39-5093)
39-6010	4530	Baggage Porters, Bellhops, and Concierges	39-6010	4530	Baggage Porters, Bellhops, and Concierges
					Baggage Porters and Bellhops (39-6011)
					Concierges (39-6012)
39-7010	4540	Tour and Travel Guides	39-7010	4540	Tour and Travel Guides
					Tour Guides and Escorts (39-7011)
					Travel Guides (39-7012)
39-9011	4600	Childcare Workers	39-9011	4600	Childcare Workers
39-9021	4610	Personal Care Aides	31-1122	3602	Personal Care Aides
39-9030	4620	Recreation and Fitness Workers			
			39-9031	4621	Exercise Trainers and Group Fitness Instructors
			39-9032	4622	Recreation Workers
39-9041	4640	Residential Advisors	39-9041	4640	Residential Advisors
39-9099	4650	Personal Care and Service Workers, All Other	39-9099	4655	Personal Care and Service Workers, All Other
41-1011	4700	First-Line Supervisors of Retail Sales Workers	41-1011	4700	First-Line Supervisors of Retail Sales Workers

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
41-1012	4710	First-Line Supervisors of Non-Retail Sales Workers	41-1012	4710	First-Line Supervisors of Non-Retail Sales Workers
41-2010	4720	Cashiers	41-2010	4720	Cashiers
					Cashiers (41-2011)
					Gambling Change Persons and Booth Cashiers (41-2012)
41-2021	4740	Counter and Rental Clerks	41-2021	4740	Counter and Rental Clerks
41-2022	4750	Parts Salespersons	41-2022	4750	Parts Salespersons
41-2031	4760	Retail Salespersons	41-2031	4760	Retail Salespersons
41-3011	4800	Advertising Sales Agents	41-3011	4800	Advertising Sales Agents
41-3021	4810	Insurance Sales Agents	41-3021	4810	Insurance Sales Agents
41-3031	4820	Securities, Commodities, and Financial Services Sales Agents	41-3031	4820	Securities, Commodities, and Financial Services Sales Agents
41-3041	4830	Travel Agents	41-3041	4830	Travel Agents
41-3099	4840	Sales Representatives, Services, All Other	41-3091	4840	Sales representatives of services, except advertising, insurance, financial services, and travel
41-4010	4850	Sales Representatives, Wholesale and Manufacturing	41-4010	4850	Sales Representatives, Wholesale and Manufacturing
					Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products (41-4011)
					Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products (41-4012)
41-9010	4900	Models, Demonstrators, and Product Promoters	41-9010	4900	Models, Demonstrators, and Product Promoters
					Demonstrators and Product Promoters (41-9011)
					Models (41-9012)
41-9020	4920	Real Estate Brokers and Sales Agents	41-9020	4920	Real Estate Brokers and Sales Agents
					Real Estate Brokers (41-9021)
					Real Estate Sales Agents (41-9022)
41-9031	4930	Sales Engineers	41-9031	4930	Sales Engineers
41-9041	4940	Telemarketers	41-9041	4940	Telemarketers

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
41-9091	4950	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	41-9091	4950	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers
41-9099	4965	Sales and Related Workers, All Other	41-9099	4965	Sales and Related Workers, All Other
43-1011	5000	First-Line Supervisors of Office and Administrative Support Workers	43-1011	5000	First-Line Supervisors of Office and Administrative Support Workers
43-2011	5010	Switchboard Operators, Including Answering Service	43-2011	5010	Switchboard Operators, Including Answering Service
43-2021	5020	Telephone Operators	43-2021	5020	Telephone Operators
43-2099	5030	Communications Equipment Operators, All Other	43-2099	5040	Communications Equipment Operators, All Other
43-3011	5100	Bill and Account Collectors	43-3011	5100	Bill and Account Collectors
43-3021	5110	Billing and Posting Clerks	43-3021	5110	Billing and Posting Clerks
43-3031	5120	Bookkeeping, Accounting, and Auditing Clerks	43-3031	5120	Bookkeeping, Accounting, and Auditing Clerks
43-3041	5130	Gaming Cage Workers	43-3041	5130	Gambling Cage Workers
43-3051	5140	Payroll and Timekeeping Clerks	43-3051	5140	Payroll and Timekeeping Clerks
43-3061	5150	Procurement Clerks	43-3061	5150	Procurement Clerks
43-3071	5160	Tellers	43-3071	5160	Tellers
43-3099	5165	Financial Clerks, All Other	43-3099	5165	Financial Clerks, All Other
43-4011	5200	Brokerage Clerks	43-4011	5200	Brokerage Clerks
43-4021	5210	Correspondence Clerks	43-4021	5210	Correspondence Clerks
43-4031	5220	Court, Municipal, and License Clerks	43-4031	5220	Court, Municipal, and License Clerks
43-4041	5230	Credit Authorizers, Checkers, and Clerks	43-4041	5230	Credit Authorizers, Checkers, and Clerks
43-4051	5240	Customer Service Representatives	43-4051	5240	Customer Service Representatives
43-4061	5250	Eligibility Interviewers, Government Programs	43-4061	5250	Eligibility Interviewers, Government Programs
43-4071	5260	File Clerks	43-4071	5260	File Clerks

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
43-4081	5300	Hotel, Motel, and Resort Desk Clerks	43-4081	5300	Hotel, Motel, and Resort Desk Clerks
43-4111	5310	Interviewers, Except Eligibility and Loan	43-4111	5310	Interviewers, Except Eligibility and Loan
43-4121	5320	Library Assistants, Clerical	43-4121	5320	Library Assistants, Clerical
43-4131	5330	Loan Interviewers and Clerks	43-4131	5330	Loan Interviewers and Clerks
43-4141	5340	New Accounts Clerks	43-4141	5340	New Accounts Clerks
43-4151	5350	Order Clerks	43-4151	5350	Order Clerks
43-4161	5360	Human Resources Assistants, Except Payroll and Timekeeping	43-4161	5360	Human Resources Assistants, Except Payroll and Timekeeping
43-4171	5400	Receptionists and Information Clerks	43-4171	5400	Receptionists and Information Clerks
43-4181	5410	Reservation and Transportation Ticket Agents and Travel Clerks	43-4181	5410	Reservation and Transportation Ticket Agents and Travel Clerks
43-4199	5420	Information and Record Clerks, All Other	43-4199	5420	Information and Record Clerks, All Other
43-5011	5500	Cargo and Freight Agents	43-5011	5500	Cargo and Freight Agents
43-5021	5510	Couriers and Messengers	43-5021	5510	Couriers and Messengers
43-5030	5520	Dispatchers			
			43-5031	5521	Public Safety Telecommunicators
			43-5032	5522	Dispatchers, Except Police, Fire, and Ambulance
43-5041	5530	Meter Readers, Utilities	43-5041	5530	Meter Readers, Utilities
43-5051	5540	Postal Service Clerks	43-5051	5540	Postal Service Clerks
43-5052	5550	Postal Service Mail Carriers	43-5052	5550	Postal Service Mail Carriers
43-5053	5560	Postal Service Mail Sorters, Processors, and Processing Machine Operators	43-5053	5560	Postal Service Mail Sorters, Processors, and Processing Machine Operators
43-5061	5600	Production, Planning, and Expediting Clerks	43-5061	5600	Production, Planning, and Expediting Clerks
43-5071	5610	Shipping, Receiving, and Traffic Clerks	43-5071	5610	Shipping, Receiving, and Inventory Clerks
43-5081	5620	Stock Clerks and Order Fillers	53-7065	9645	Stockers and Order Fillers

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
43-5111	5630	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	43-5111	5630	Weighers, Measurers, Checkers, and Samplers, Recordkeeping
43-6010	5700	Secretaries and Administrative Assistants			
			43-6011	5710	Executive Secretaries and Executive Administrative Assistants
			43-6012	5720	Legal Secretaries and Administrative Assistants
			43-6013	5730	Medical Secretaries and Administrative Assistants
			43-6014	5740	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive
43-9011	5800	Computer Operators			
43-9021	5810	Data Entry Keyers	43-9021	5810	Data Entry Keyers
43-9022	5820	Word Processors and Typists	43-9022	5820	Word Processors and Typists
43-9031	5830	Desktop Publishers	43-9031	5830	Desktop Publishers
43-9041	5840	Insurance Claims and Policy Processing Clerks	43-9041	5840	Insurance Claims and Policy Processing Clerks
43-9051	5850	Mail Clerks and Mail Machine Operators, Except Postal Service	43-9051	5850	Mail Clerks and Mail Machine Operators, Except Postal Service
43-9061	5860	Office Clerks, General	43-9061	5860	Office Clerks, General
43-9071	5900	Office Machine Operators, Except Computer	43-9071	5900	Office Machine Operators, Except Computer
43-9081	5910	Proofreaders and Copy Markers	43-9081	5910	Proofreaders and Copy Markers
43-9111	5920	Statistical Assistants	43-9111	5920	Statistical Assistants
43-9199	5940	Office and Administrative Support Workers, All Other	43-9199	5940	Office and Administrative Support Workers, All Other
45-1011	6005	First-Line Supervisors of Farming, Fishing, and Forestry Workers	45-1011	6005	First-Line Supervisors of Farming, Fishing, and Forestry Workers
45-2011	6010	Agricultural Inspectors	45-2011	6010	Agricultural Inspectors
45-2021	6020	Animal Breeders	45-2021	6020	Animal Breeders

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
45-2041	6040	Graders and Sorters, Agricultural Products	45-2041	6040	Graders and Sorters, Agricultural Products
45-2090	6050	Miscellaneous Agricultural Workers	45-2090	6050	Miscellaneous Agricultural Workers
					Agricultural Equipment Operators (45-2091)
					Farmworkers and Laborers, Crop, Nursery, and Greenhouse (45-2092)
					Farmworkers, Farm, Ranch, and Aquacultural Animals (45-2093)
					Agricultural Workers, All Other (45-2099)
			45-3031	6115	Fishing and Hunting Workers
45-3011	6100	Fishers and Related Fishing Workers			
45-3021	6110	Hunters and Trappers			
45-4011	6120	Forest and Conservation Workers	45-4011	6120	Forest and Conservation Workers
45-4020	6130	Logging Workers	45-4020	6130	Logging Workers
					Fallers (45-4021)
					Logging Equipment Operators (45-4022)
					Log Graders and Scalers (45-4023)
					Logging Workers, All Other (45-4029)
47-1011	6200	First-Line Supervisors of Construction Trades and Extraction Workers	47-1011	6200	First-Line Supervisors of Construction Trades and Extraction Workers
47-2011	6210	Boilermakers	47-2011	6210	Boilermakers
47-2020	6220	Brickmasons, Blockmasons, and Stonemasons	47-2020	6220	Brickmasons, Blockmasons, and Stonemasons
					Brickmasons and Blockmasons (47-2021)
					Stonemasons (47-2022)
47-2031	6230	Carpenters	47-2031	6230	Carpenters
47-2040	6240	Carpet, Floor, and Tile Installers and Finishers	47-2040	6240	Carpet, Floor, and Tile Installers and Finishers
					Carpet Installers (47-2041)
					Floor Layers, Except Carpet, Wood, and Hard Tiles (47-2042)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Floor Sanders and Finishers (47-2043)
					Tile and Stone Setters (47-2044)
47-2050	6250	Cement Masons, Concrete Finishers, and Terrazzo Workers	47-2050	6250	Cement Masons, Concrete Finishers, and Terrazzo Workers
					Cement Masons and Concrete Finishers (47-2051)
					Terrazzo Workers and Finishers (47-2053)
47-2061	6260	Construction Laborers	47-2061	6260	Construction Laborers
			47-2070	6305	Construction Equipment Operators
47-2071	6300	Paving, Surfacing, and Tamping Equipment Operators			Paving, Surfacing, and Tamping Equipment Operators (47-2071)
47-2072	6310	Pile-Driver Operators			Pile Driver Operators (47-2072)
47-2073	6320	Operating Engineers and Other Construction Equipment Operators			Operating Engineers and Other Construction Equipment Operators (47-2073)
47-2080	6330	Drywall Installers, Ceiling Tile Installers, and Tapers	47-2080	6330	Drywall Installers, Ceiling Tile Installers, and Tapers
					Drywall and Ceiling Tile Installers (47-2081)
					Tapers (47-2082)
47-2111	6355	Electricians	47-2111	6355	Electricians
47-2121	6360	Glaziers	47-2121	6360	Glaziers
47-2130	6400	Insulation Workers	47-2130	6400	Insulation Workers
					Insulation Workers, Floor, Ceiling, and Wall (47-2131)
					Insulation Workers, Mechanical (47-2132)
			47-2140	6410	Painters and Paperhangers
47-2141	6420	Painters, Construction and Maintenance			Painters, Construction and Maintenance (47-2141)
47-2142	6430	Paperhangers			Paperhangers (47-2142)
47-2150	6440	Pipelayers, Plumbers, Pipefitters, and Steamfitters			
			47-2151	6441	Pipelayers
			47-2152	6442	Plumbers, Pipefitters, and Steamfitters

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
47-2161	6460	Plasterers and Stucco Masons	47-2161	6460	Plasterers and Stucco Masons
47-2171	6500	Reinforcing Iron and Rebar Workers	47-2171	6500	Reinforcing Iron and Rebar Workers
47-2181	6515	Roofers	47-2181	6515	Roofers
47-2211	6520	Sheet Metal Workers	47-2211	6520	Sheet Metal Workers
47-2221	6530	Structural Iron and Steel Workers	47-2221	6530	Structural Iron and Steel Workers
47-2231	6540	Solar Photovoltaic Installers	47-2231	6540	Solar Photovoltaic Installers
47-3010	6600	Helpers, Construction Trades	47-3010	6600	Helpers, Construction Trades
					Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters (47-3011)
					Helpers--Carpenters (47-3012)
					Helpers--Electricians (47-3013)
					Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons (47-3014)
					Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015)
					Helpers--Roofers (47-3016)
					Helpers, Construction Trades, All Other (47-3019)
47-4011	6660	Construction and Building Inspectors	47-4011	6660	Construction and Building Inspectors
47-4021	6700	Elevator Installers and Repairers	47-4021	6700	Elevator and escalator installers and repairers
47-4031	6710	Fence Erectors	47-4031	6710	Fence Erectors
47-4041	6720	Hazardous Materials Removal Workers	47-4041	6720	Hazardous Materials Removal Workers
47-4051	6730	Highway Maintenance Workers	47-4051	6730	Highway Maintenance Workers
47-4061	6740	Rail-Track Laying and Maintenance Equipment Operators	47-4061	6740	Rail-Track Laying and Maintenance Equipment Operators
47-4071	6750	Septic Tank Servicers and Sewer Pipe Cleaners	47-4071	6750	Septic Tank Servicers and Sewer Pipe Cleaners
47-4090	6765	Miscellaneous Construction and Related Workers	47-4090	6765	Miscellaneous Construction and Related Workers
					Segmental Pavers (47-4091)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Construction and Related Workers, All Other (47-4099)
47-5010	6800	Derrick, Rotary Drill, and Service Unit Operators, Oil, Gas, and Mining	47-5010	6800	Derrick, Rotary Drill, and Service Unit Operators, Oil and Gas
					Derrick Operators, Oil and Gas (47-5011)
					Rotary Drill Operators, Oil and Gas (47-5012)
					Service Unit Operators, Oil and Gas (47-5013)
47-5021	6820	Earth Drillers, Except Oil and Gas	47-5023	6825	Earth Drillers, Except Oil and Gas
47-5031	6830	Explosives Workers, Ordnance Handling Experts, and Blasters	47-5032	6835	Explosives Workers, Ordnance Handling Experts, and Blasters
			47-5040	6850	Underground Mining Machine Operators
47-5040	6840	Mining Machine Operators			
					Continuous Mining Machine Operators (47-5041)
47-5061	6910	Roof Bolters, Mining			Roof Bolters, Mining (47-5043)
					Loading and Moving Machine Operators, Underground Mining (47-5044)
					Underground Mining Machine Operators, All Other (47-5049)
47-5071	6920	Roustabouts, Oil and Gas	47-5071	6920	Roustabouts, Oil and Gas
47-5081	6930	Helpers--Extraction Workers			
47-50XX	6940	Other Extraction Workers	47-50XX	6950	Other Extraction Workers
					Rock Splitters, Quarry (47-5051)
					Helpers--Extraction Workers (47-5081)
					Extraction Workers, All Other (47-5099)
49-1011	7000	First-Line Supervisors of Mechanics, Installers, and Repairers	49-1011	7000	First-Line Supervisors of Mechanics, Installers, and Repairers
49-2011	7010	Computer, Automated Teller,	49-2011	7010	Computer, Automated Teller, and Office Machine Repairers

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
		and Office Machine Repairers			
49-2020	7020	Radio and Telecommunications Equipment Installers and Repairers	49-2020	7020	Radio and Telecommunications Equipment Installers and Repairers
					Radio, Cellular, and Tower Equipment Installers and Repairers (49-2021)
					Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)
49-2091	7030	Avionics Technicians	49-2091	7030	Avionics Technicians
49-2092	7040	Electric Motor, Power Tool, and Related Repairers	49-2092	7040	Electric Motor, Power Tool, and Related Repairers
49-2093	7050	Electrical and Electronics Installers and Repairers, Transportation Equipment	49-2093	7050	Electrical and Electronics Installers and Repairers, Transportation Equipment
49-209X	7100	Electrical and Electronics Repairers, Industrial and Utility	49-209X	7100	Electrical and Electronics Repairers, Industrial and Utility
					Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)
					Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)
49-2096	7110	Electronic Equipment Installers and Repairers, Motor Vehicles	49-2096	7110	Electronic Equipment Installers and Repairers, Motor Vehicles
49-2097	7120	Electronic Home Entertainment Equipment Installers and Repairers	49-2097	7120	Audiovisual equipment installers and repairers
49-2098	7130	Security and Fire Alarm Systems Installers	49-2098	7130	Security and Fire Alarm Systems Installers
49-3011	7140	Aircraft Mechanics and Service Technicians	49-3011	7140	Aircraft Mechanics and Service Technicians

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
49-3021	7150	Automotive Body and Related Repairers	49-3021	7150	Automotive Body and Related Repairers
49-3022	7160	Automotive Glass Installers and Repairers	49-3022	7160	Automotive Glass Installers and Repairers
49-3023	7200	Automotive Service Technicians and Mechanics	49-3023	7200	Automotive Service Technicians and Mechanics
49-3031	7210	Bus and Truck Mechanics and Diesel Engine Specialists	49-3031	7210	Bus and Truck Mechanics and Diesel Engine Specialists
49-3040	7220	Heavy Vehicle and Mobile Equipment Service Technicians and Mechanics	49-3040	7220	Heavy Vehicle and Mobile Equipment Service Technicians and Mechanics
					Farm Equipment Mechanics and Service Technicians (49-3041)
					Mobile Heavy Equipment Mechanics, Except Engines (49-3042)
					Rail Car Repairers (49-3043)
49-3050	7240	Small Engine Mechanics	49-3050	7240	Small Engine Mechanics
					Motorboat Mechanics and Service Technicians (49-3051)
					Motorcycle Mechanics (49-3052)
					Outdoor Power Equipment and Other Small Engine Mechanics (49-3053)
49-3090	7260	Miscellaneous Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	49-3090	7260	Miscellaneous Vehicle and Mobile Equipment Mechanics, Installers, and Repairers
					Bicycle Repairers (49-3091)
					Recreational Vehicle Service Technicians (49-3092)
					Tire Repairers and Changers (49-3093)
49-9010	7300	Control and Valve Installers and Repairers	49-9010	7300	Control and Valve Installers and Repairers
					Mechanical Door Repairers (49-9011)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Control and Valve Installers and Repairers, Except Mechanical Door (49-9012)
49-9021	7315	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	49-9021	7315	Heating, Air Conditioning, and Refrigeration Mechanics and Installers
49-9031	7320	Home Appliance Repairers	49-9031	7320	Home Appliance Repairers
49-904X	7330	Industrial and Refractory Machinery Mechanics	49-904X	7330	Industrial and Refractory Machinery Mechanics
					Industrial Machinery Mechanics (49-9041)
					Refractory Materials Repairers, Except Brickmasons (49-9045)
49-9071	7340	Maintenance and Repair Workers, General	49-9071	7340	Maintenance and Repair Workers, General
49-9043	7350	Maintenance Workers, Machinery	49-9043	7350	Maintenance Workers, Machinery
49-9044	7360	Millwrights	49-9044	7360	Millwrights
49-9051	7410	Electrical Power-Line Installers and Repairers	49-9051	7410	Electrical Power-Line Installers and Repairers
49-9052	7420	Telecommunications Line Installers and Repairers	49-9052	7420	Telecommunications Line Installers and Repairers
49-9060	7430	Precision Instrument and Equipment Repairers	49-9060	7430	Precision Instrument and Equipment Repairers
					Camera and Photographic Equipment Repairers (49-9061)
					Medical Equipment Repairers (49-9062)
					Musical Instrument Repairers and Tuners (49-9063)
					Watch and Clock Repairers (49-9064)
					Precision Instrument and Equipment Repairers, All Other (49-9069)
49-9081	7440	Wind Turbine Service Technicians	49-9081	7440	Wind Turbine Service Technicians

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
49-9091	7510	Coin, Vending, and Amusement Machine Servicers and Repairers	49-9091	7510	Coin, Vending, and Amusement Machine Servicers and Repairers
49-9092	7520	Commercial Divers	49-9092	7520	Commercial Divers
49-9094	7540	Locksmiths and Safe Repairers	49-9094	7540	Locksmiths and Safe Repairers
49-9095	7550	Manufactured Building and Mobile Home Installers	49-9095	7550	Manufactured Building and Mobile Home Installers
49-9096	7560	Riggers	49-9096	7560	Riggers
49-9097	7600	Signal and Track Switch Repairers			
49-9098	7610	Helpers--Installation, Maintenance, and Repair Workers	49-9098	7610	Helpers--Installation, Maintenance, and Repair Workers
			49-909X	7640	Other Installation, Maintenance, and Repair Workers
					Signal and Track Switch Repairers (49-9097)
49-909X	7630	Other Installation, Maintenance, and Repair Workers			Installation, Maintenance, and Repair Workers, All Other (49-9099)
51-1011	7700	First-Line Supervisors of Production and Operating Workers	51-1011	7700	First-Line Supervisors of Production and Operating Workers
51-2011	7710	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	51-2011	7710	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
51-2020	7720	Electrical, Electronics, and Electromechanical Assemblers	51-2020	7720	Electrical, Electronics, and Electromechanical Assemblers
					Coil Winders, Tapers, and Finishers (51-2021)
					Electrical and Electronic Equipment Assemblers (51-2022)
					Electromechanical Equipment Assemblers (51-2023)
51-2031	7730	Engine and Other Machine Assemblers	51-2031	7730	Engine and Other Machine Assemblers
51-2041	7740	Structural Metal Fabricators and Fitters	51-2041	7740	Structural Metal Fabricators and Fitters

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
51-2090	7750	Miscellaneous Assemblers and Fabricators	51-20XX	7750	Other Assemblers and Fabricators
					Fiberglass Laminators and Fabricators (51-2051)
					Timing Device Assemblers and Adjusters (51-2061)
					Team Assemblers (51-2092)
					Assemblers and Fabricators, All Other (51-2099)
51-3011	7800	Bakers	51-3011	7800	Bakers
51-3020	7810	Butchers and Other Meat, Poultry, and Fish Processing Workers	51-3020	7810	Butchers and Other Meat, Poultry, and Fish Processing Workers
					Butchers and Meat Cutters (51-3021)
					Meat, Poultry, and Fish Cutters and Trimmers (51-3022)
					Slaughterers and Meat Packers (51-3023)
51-3091	7830	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	51-3091	7830	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders
51-3092	7840	Food Batchmakers	51-3092	7840	Food Batchmakers
51-3093	7850	Food Cooking Machine Operators and Tenders	51-3093	7850	Food Cooking Machine Operators and Tenders
51-3099	7855	Food Processing Workers, All Other	51-3099	7855	Food Processing Workers, All Other
51-4010	7900	Computer Control Programmers and Operators	51-9160	7905	Computer numerically controlled tool operators and programmers
					Computer Numerically Controlled Tool Operators (51-9161)
					Computer Numerically Controlled Tool Programmers (51-9162)
			51-4020	7925	Forming Machine Setters, Operators, and Tenders, Metal and Plastic
51-4021	7920	Extruding and Drawing Machine Setters, Operators,			Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
		and Tenders, Metal and Plastic			
51-4022	7930	Forging Machine Setters, Operators, and Tenders, Metal and Plastic			Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)
51-4023	7940	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic			Rolling Machine Setters, Operators, and Tenders, Metal and Plastic (51-4023)
51-4031	7950	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	51-4031	7950	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
51-4033	8000	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4033	8000	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic
			51-403X	8025	Other Machine Tool Setters, Operators, and Tenders, Metal and Plastic
51-4032	7960	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic			Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)
51-4034	8010	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic			Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)
51-4035	8020	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic			Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4035)
51-4041	8030	Machinists	51-4041	8030	Machinists
51-4050	8040	Metal Furnace Operators, Tenders, Pourers, and Casters	51-4050	8040	Metal Furnace Operators, Tenders, Pourers, and Casters
					Metal-Refining Furnace Operators and Tenders (51-4051)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					Pourers and Casters, Metal (51-4052)
51-4060	8060	Model Makers and Patternmakers, Metal and Plastic	51-4060	8060	Model Makers and Patternmakers, Metal and Plastic
					Model Makers, Metal and Plastic (51-4061)
					Patternmakers, Metal and (51-4062)
51-4070	8100	Molders and Molding Machine Setters, Operators, and Tenders, Metal and Plastic	51-4070	8100	Molders and Molding Machine Setters, Operators, and Tenders, Metal and Plastic
					Foundry Mold and Coremakers (51-4071)
					Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)
51-4111	8130	Tool and Die Makers	51-4111	8130	Tool and Die Makers
51-4120	8140	Welding, Soldering, and Brazing Workers	51-4120	8140	Welding, Soldering, and Brazing Workers
					Welders, Cutters, Solderers, and Brazers (51-4121)
					Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders (51-4122)
			51-4XXX	8225	Other Metal Workers and Plastic Workers
51-4081	8120	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic			Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4081)
51-4191	8150	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic			Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)
51-4192	8160	Layout Workers, Metal and Plastic			Layout Workers, Metal and Plastic (51-4192)
51-4193	8200	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic			Plating Machine Setters, Operators, and Tenders, Metal and Plastic (51-4193)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
51-4194	8210	Tool Grinders, Filers, and Sharpeners			Tool Grinders, Filers, and Sharpeners (51-4194)
51-4199	8220	Metal Workers and Plastic Workers, All Other			Metal Workers and Plastic Workers, All Other (51-4199)
51-5111	8250	Prepress Technicians and Workers	51-5111	8250	Prepress Technicians and Workers
51-5112	8255	Printing Press Operators	51-5112	8255	Printing Press Operators
51-5113	8256	Print Binding and Finishing Workers	51-5113	8256	Print Binding and Finishing Workers
51-6011	8300	Laundry and Dry-Cleaning Workers	51-6011	8300	Laundry and Dry-Cleaning Workers
51-6021	8310	Pressers, Textile, Garment, and Related Materials	51-6021	8310	Pressers, Textile, Garment, and Related Materials
51-6031	8320	Sewing Machine Operators	51-6031	8320	Sewing Machine Operators
			51-6040	8335	Shoe and Leather Workers
51-6041	8330	Shoe and Leather Workers and Repairers			Shoe and Leather Workers and Repairers (51-6041)
51-6042	8340	Shoe Machine Operators and Tenders			Shoe Machine Operators and Tenders (51-6042)
51-6050	8350	Tailors, Dressmakers, and Sewers	51-6050	8350	Tailors, Dressmakers, and Sewers
					Sewers, Hand (51-6051)
					Tailors, Dressmakers, and Custom Sewers (51-6052)
			51-6060	8365	Textile Machine Setters, Operators, and Tenders
51-6061	8360	Textile Bleaching and Dyeing Machine Operators and Tenders			Textile Bleaching and Dyeing Machine Operators and Tenders (51-6061)
51-6062	8400	Textile Cutting Machine Setters, Operators, and Tenders			Textile Cutting Machine Setters, Operators, and Tenders (51-6062)
51-6063	8410	Textile Knitting and Weaving Machine Setters, Operators, and Tenders			Textile Knitting and Weaving Machine Setters, Operators, and Tenders (51-6063)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
51-6064	8420	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders			Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders (51-6064)
51-6093	8450	Upholsterers	51-6093	8450	Upholsterers
			51-609X	8465	Other Textile, Apparel, and Furnishings Workers
51-6091	8430	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers			Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)
51-6092	8440	Fabric and Apparel Patternmakers			Fabric and Apparel Patternmakers (51-6092)
51-6099	8460	Textile, Apparel, and Furnishings Workers, All Other			Textile, Apparel, and Furnishings Workers, All Other (51-6099)
51-7011	8500	Cabinetmakers and Bench Carpenters	51-7011	8500	Cabinetmakers and Bench Carpenters
51-7021	8510	Furniture Finishers	51-7021	8510	Furniture Finishers
51-7041	8530	Sawing Machine Setters, Operators, and Tenders, Wood	51-7041	8530	Sawing Machine Setters, Operators, and Tenders, Wood
51-7042	8540	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	51-7042	8540	Woodworking Machine Setters, Operators, and Tenders, Except Sawing
			51-70XX	8555	Other Woodworkers
51-7030	8520	Model Makers and Patternmakers, Wood			Model Makers and Patternmakers, Wood (51-7030)
					Model Makers, Wood (51-7031)
					Patternmakers, Wood (51-7032)
51-7099	8550	Woodworkers, All Other			Woodworkers, All Other (51-7099)
51-8010	8600	Power Plant Operators, Distributors, and Dispatchers	51-8010	8600	Power Plant Operators, Distributors, and Dispatchers
					Nuclear Power Reactor Operators (51-8011)
					Power Distributors and Dispatchers (51-8012)
					Power Plant Operators (51-8013)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
51-8021	8610	Stationary Engineers and Boiler Operators	51-8021	8610	Stationary Engineers and Boiler Operators
51-8031	8620	Water and Wastewater Treatment Plant and System Operators	51-8031	8620	Water and Wastewater Treatment Plant and System Operators
51-8090	8630	Miscellaneous Plant and System Operators	51-8090	8630	Miscellaneous Plant and System Operators
					Chemical Plant and System Operators (51-8091)
					Gas Plant Operators (51-8092)
					Petroleum Pump System Operators, Refinery Operators, and Gaugers (51-8093)
					Plant and System Operators, All Other (51-8099)
51-9010	8640	Chemical Processing Machine Setters, Operators, and Tenders	51-9010	8640	Chemical Processing Machine Setters, Operators, and Tenders
					Chemical Equipment Operators and Tenders (51-9011)
					Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders (51-9012)
51-9020	8650	Crushing, Grinding, Polishing, Mixing, and Blending Workers	51-9020	8650	Crushing, Grinding, Polishing, Mixing, and Blending Workers
					Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders (51-9021)
					Grinding and Polishing Workers, Hand (51-9022)
					Mixing and Blending Machine Setters, Operators, and Tenders (51-9023)
51-9030	8710	Cutting Workers	51-9030	8710	Cutting Workers
					Cutters and Trimmers, Hand (51-9031)
					Cutting and Slicing Machine Setters, Operators, and Tenders (51-9032)

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
51-9041	8720	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	51-9041	8720	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
51-9051	8730	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	51-9051	8730	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
51-9061	8740	Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	8740	Inspectors, Testers, Sorters, Samplers, and Weighers
51-9071	8750	Jewelers and Precious Stone and Metal Workers	51-9071	8750	Jewelers and Precious Stone and Metal Workers
51-9080	8760	Medical, Dental, and Ophthalmic Laboratory Technicians	51-9080	8760	Dental and Ophthalmic Laboratory Technicians and Medical Appliance Technicians
					Dental Laboratory Technicians (51-9081)
					Medical Appliance Technicians (51-9082)
					Ophthalmic Laboratory Technicians (51-9083)
51-9111	8800	Packaging and Filling Machine Operators and Tenders	51-9111	8800	Packaging and Filling Machine Operators and Tenders
51-9120	8810	Painting Workers	51-9120	8810	Painting Workers
					Painting, Coating, and Decorating Workers (51-9123)
					Coating, Painting, and Spraying Machine Setters, Operators, and Tenders (51-9124)
51-9151	8830	Photographic Process Workers and Processing Machine Operators	51-9151	8830	Photographic Process Workers and Processing Machine Operators
51-9191	8850	Adhesive Bonding Machine Operators and Tenders	51-9191	8850	Adhesive Bonding Machine Operators and Tenders
51-9194	8910	Etchers and Engravers	51-9194	8910	Etchers and Engravers
51-9195	8920	Molders, Shapers, and Casters, Except Metal and Plastic	51-9195	8920	Molders, Shapers, and Casters, Except Metal and Plastic

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
51-9196	8930	Paper Goods Machine Setters, Operators, and Tenders	51-9196	8930	Paper Goods Machine Setters, Operators, and Tenders
51-9197	8940	Tire Builders	51-9197	8940	Tire Builders
51-9198	8950	Helpers--Production Workers	51-9198	8950	Helpers--Production Workers
			51-919X	8865	Other Production Equipment Operators and Tenders
51-9192	8860	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders			Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders (51-9192)
51-9193	8900	Cooling and Freezing Equipment Operators and Tenders			Cooling and Freezing Equipment Operators and Tenders (51-9193)
			51-91XX	8990	Other Production Workers
51-9141	8840	Semiconductor Processors			Semiconductor Processing Technicians (51-9141)
51-9199	8965	Production Workers, All Other			Production Workers, All Other (51-9199)
53-1000	9000	Supervisors of Transportation and Material Moving Workers	53-1000	9005	Supervisors of Transportation and Material Moving Workers
					Aircraft Cargo Handling Supervisors (53-1041)
					First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand (53-1042)
					First-Line Supervisors of Material-Moving Machine and Vehicle Operators (53-1043)
					First-Line Supervisors of Passenger Attendants (53-1044)
					First-Line Supervisors of Transportation Workers, All Other (53-1049)
53-2010	9030	Aircraft Pilots and Flight Engineers	53-2010	9030	Aircraft Pilots and Flight Engineers
					Airline Pilots, Copilots, and Flight Engineers (53-2011)
					Commercial Pilots (53-2012)
53-2020	9040	Air Traffic Controllers and Airfield	53-2020	9040	Air Traffic Controllers and Airfield Operations Specialists

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
		Operations Specialists			
					Air Traffic Controllers (53-2021)
					Airfield Operations Specialists (53-2022)
53-2031	9050	Flight Attendants	53-2031	9050	Flight Attendants
53-3011	9110	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	53-3011	9110	Ambulance Drivers and Attendants, Except Emergency Medical Technicians
53-3020	9120	Bus Drivers			
			53-3051	9121	Bus Drivers, School
			53-3052	9122	Bus Drivers, Transit and Intercity
53-3030	9130	Driver/Sales Workers and Truck Drivers	53-3030	9130	Driver/Sales Workers and Truck Drivers
					Driver/Sales Workers (53-3031)
					Heavy and Tractor-Trailer Truck Drivers (53-3032)
					Light Truck Drivers (53-3033)
53-3041	9140	Taxi Drivers and Chauffeurs			
			53-3053	9141	Shuttle Drivers and Chauffeurs
			53-3054	9142	Taxi Drivers
53-3099	9150	Motor Vehicle Operators, All Other	53-3099	9150	Motor Vehicle Operators, All Other
53-4010	9200	Locomotive Engineers and Operators	53-4010	9210	Locomotive Engineers and Operators
					Locomotive Engineers (53-4011)
					Rail Yard Engineers, Dinkey Operators, and Hostlers (53-4013)
53-4031	9240	Railroad Conductors and Yardmasters	53-4031	9240	Railroad Conductors and Yardmasters
			53-40XX	9265	Other Rail Transportation Workers
53-4021	9230	Railroad Brake, Signal, and Switch Operators			Railroad Brake, Signal, and Switch Operators and Locomotive Firers (53-4022)
53-40XX	9260	Subway, Streetcar, and Other Rail Transportation Workers			Subway and Streetcar Operators (53-4041)
					Rail Transportation Workers, All Other (53-4099)
53-5011	9300	Sailors and Marine Oilers	53-5011	9300	Sailors and Marine Oilers

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
53-5031	9330	Ship Engineers	53-5031	9330	Ship Engineers
53-5020	9310	Ship and Boat Captains and Operators	53-5020	9310	Ship and Boat Captains and Operators
					Captains, Mates, and Pilots of Water Vessels (53-5021)
					Motorboat Operators (53-5022)
53-6021	9350	Parking Lot Attendants	53-6021	9350	Parking Attendants
53-6031	9360	Automotive and Watercraft Service Attendants	53-6030	9365	Transportation Service Attendants
					Automotive and Watercraft Service Attendants (56-6031)
					Aircraft Service Attendants (53-6032)
53-6051	9410	Transportation Inspectors	53-6051	9410	Transportation Inspectors
53-6061	9415	Transportation Attendants, except Flight Attendants	53-6061	9415	Passenger Attendants
			53-60XX	9430	Other Transportation Workers
53-6011	9340	Bridge and Lock Tenders			Bridge and Lock Tenders (53-6011)
53-60XX	9420	Other Transportation Workers			Traffic Technicians (53-6041)
					Transportation Workers, All Other (53-6099)
53-7021	9510	Crane and Tower Operators	53-7021	9510	Crane and Tower Operators
			47-5022	6821	Excavating and Loading Machine and Dragline Operators, Surface Mining
			53-70XX	9570	Conveyor, Dredge, and Hoist and Winch Operators
53-7011	9500	Conveyor Operators and Tenders			Conveyor Operators and Tenders (53-7011)
53-7030	9520	Dredge, Excavating, and Loading Machine Operators			Dredge Operators (53-7031)
53-7041	9560	Hoist and Winch Operators			Hoist and Winch Operators (53-7041)
53-7051	9600	Industrial Truck and Tractor Operators	53-7051	9600	Industrial Truck and Tractor Operators

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
53-7061	9610	Cleaners of Vehicles and Equipment	53-7061	9610	Cleaners of Vehicles and Equipment
53-7062	9620	Laborers and Freight, Stock, and Material Movers, Hand	53-7062	9620	Laborers and Freight, Stock, and Material Movers, Hand
53-7063	9630	Machine Feeders and Offbearers	53-7063	9630	Machine Feeders and Offbearers
53-7064	9640	Packers and Packagers, Hand	53-7064	9640	Packers and Packagers, Hand
53-7070	9650	Pumping Station Operators	53-7070	9650	Pumping Station Operators
					Gas Compressor and Gas Pumping Station Operators (53-7071)
					Pump Operators, Except Wellhead Pumpers (53-7072)
					Wellhead Pumpers (53-7073)
53-7081	9720	Refuse and Recyclable Material Collectors	53-7081	9720	Refuse and Recyclable Material Collectors
			53-71XX	9760	Other Material Moving Workers
53-7121	9740	Tank Car, Truck, and Ship Loaders			Tank Car, Truck, and Ship Loaders (53-7121)
53-7199	9750	Material Moving Workers, All Other			Material Moving Workers, All Other (53-7199)
53-7111	9730	Mine Shuttle Car Operators			
55-1010	9800	Military Officer Special and Tactical Operations Leaders	55-1010	9800	Military Officer Special and Tactical Operations Leaders
					Air Crew Officers (55-1011)
					Aircraft Launch and Recovery Officers (55-1012)
					Armored Assault Vehicle Officers (55-1013)
					Artillery and Missile Officers (55-1014)
					Command and Control Center Officers (55-1015)
					Infantry Officers (55-1016)
					Special Forces Officers (55-1017)
					Military Officer Special and Tactical Operations Leaders, All Other (55-1019)
55-2010	9810	First-Line Enlisted Military Supervisors	55-2010	9810	First-Line Enlisted Military Supervisors

2010 SOC Code	2010 Census Code	2010 Census Title	2018 SOC Code	2018 Census Code	2018 Census Title
					First-Line Supervisors of Air Crew Members (55-2011)
					First-Line Supervisors of Weapons Specialists/Crew Members (55-2012)
					First-Line Supervisors of All Other Tactical Operations Specialists (55-2013)
55-3010	9820	Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members	55-3010	9825	Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members
					Air Crew Members (55-3011)
					Aircraft Launch and Recovery Specialists (55-3012)
					Armored Assault Vehicle Crew Members (55-3013)
					Artillery and Missile Crew Members (55-3014)
					Command and Control Center Specialists (55-3015)
					Infantry (55-3016)
					Special Forces (55-3018)
					Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members, All Other (55-3019)
none	9830	Military, Rank Not Specified	none	9830	Military, Rank Not Specified
none	9920	Unemployed, with no work experience in the last 5 years or earlier or never worked	none	9920	Unemployed, with no work experience in the last 5 years or earlier or never worked
		Total Codes, 2010: 540 including military			Total Codes, 2018: 570 including military

Appendix B

2022 U.S. Census Bureau Industry Code List and Crosswalk

Codes Updated: September 9, 2024

Crosswalk Updated: September 9, 2024

Note: The 2022 Census industry code list includes 266 codes including seven military codes.

Industry 2022 Description	2022 Census Industry Code	2022 NAICS Code
<i>Agriculture, Forestry, Fishing and Hunting, and Mining</i>	0170-0490	11-21
<i>Agriculture, Forestry, Fishing and Hunting</i>	0170-0290	11
Crop production	0170	111
Animal production and aquaculture	0180	112
Forestry except logging	0190	1131, 1132
Logging	0270	1133
Fishing, hunting and trapping	0280	114
Support activities for agriculture and forestry	0290	115
<i>Mining, Quarrying, and Oil and Gas Extraction</i>	0370-0490	21
Oil and gas extraction	0370	211
Coal mining	0380	2121
Metal ore mining	0390	2122
Nonmetallic mineral mining and quarrying	0470	2123
Not specified type of mining	0480	Part of 21
Support activities for mining	0490	213
<i>Construction</i>	0770	23
Construction (the cleaning of buildings and dwellings is incidental during construction and immediately after construction)	0770	23
<i>Manufacturing</i>	1070-3990	31-33
Animal food, grain and oilseed milling	1070	3111, 3112
Sugar and confectionery products	1080	3113
Fruit and vegetable preserving and specialty food manufacturing	1090	3114
Dairy product manufacturing	1170	3115
Animal slaughtering and processing	1180	3116
Retail bakeries	1190	311811
Bakeries and tortilla manufacturing, except retail bakeries	1270	3118 exc. 311811
Seafood and other miscellaneous foods, n.e.c.	1280	3117, 3119
Not specified food industries	1290	Part of 311
Beverage manufacturing	1370	3121
Tobacco manufacturing	1390	3122
Fiber, yarn, and thread mills	1470	3131
Fabric mills, except knit fabric mills	1480	3132 exc. 31324
Textile and fabric finishing and fabric coating mills	1490	3133
Carpet and rug mills	1570	31411
Textile product mills, except carpet and rug	1590	314 exc. 31411
Knit fabric mills, and apparel knitting mills	1670	31324, 3151
Cut and sew, and apparel accessories and other apparel manufacturing	1691	3152, 3159
Footwear manufacturing	1770	3162
Leather and hide tanning and finishing, and other leather and allied product manufacturing	1790	3161, 3169

Industry 2022 Description	2022 Census Industry Code	2022 NAICS Code
Pulp, paper, and paperboard mills	1870	3221
Paperboard container manufacturing	1880	32221
Miscellaneous paper and pulp products manufacturing	1890	32222,32223, 32229
Printing and related support activities	1990	3231
Petroleum refineries	2070	32411
Petroleum and coal products manufacturing, except petroleum refineries	2090	32412, 32419
Resin, synthetic rubber, and artificial and synthetic fibers and filaments manufacturing	2170	3252
Pesticide, fertilizer, and other agricultural chemical manufacturing	2180	3253
Pharmaceutical and medicine manufacturing	2190	3254
Paint, coating, and adhesive manufacturing	2270	3255
Soap, cleaning compound, and toilet preparation manufacturing	2280	3256
Basic chemical manufacturing, and other chemical product and preparation manufacturing	2290	3251, 3259
Plastics product manufacturing	2370	3261
Tire manufacturing	2380	32621
Rubber products, except tires, manufacturing	2390	32622, 32629
Pottery, ceramics, and plumbing fixture manufacturing	2470	32711
Clay building material and refractories manufacturing	2480	32712
Glass and glass product manufacturing	2490	3272
Cement, concrete, lime, and gypsum product manufacturing	2570	3273, 3274
Other nonmetallic mineral product manufacturing	2590	3279
Iron and steel mills and steel product manufacturing	2670	3311, 3312
Alumina and aluminum production and processing	2680	3313
Nonferrous metal (except aluminum) production and processing	2690	3314
Foundries	2770	3315
Forging and stamping	2780	3321
Cutlery and handtool manufacturing	2790	3322
Architectural and structural metals, and boiler, tank, and shipping container manufacturing	2870	3323, 3324
Machine shops; turned product; screw, nut, and bolt manufacturing	2880	3327
Coating, engraving, heat treating, and allied activities	2890	3328
Ordnance	2970	332992, 332993, 332994
Miscellaneous fabricated metal product manufacturing	2980	3325, 3326, 3329 exc. 332992, 332993, 332994
Not specified metal industries	2990	Part of 331 and 332

Industry 2022 Description	2022 Census Industry Code	2022 NAICS Code
Agricultural implement manufacturing	3070	33311
Construction, and mining and oil and gas field machinery manufacturing	3080	33312, 33313
Commercial and service industry machinery manufacturing	3095	3333
Metalworking machinery manufacturing	3170	3335
Engine, turbine, and power transmission equipment manufacturing	3180	3336
Machinery manufacturing, n.e.c. or not specified	3291	3332, 3334, 3339, Part of 333
Computer and peripheral equipment manufacturing	3365	3341
Communications, audio, and video equipment manufacturing	3370	3342, 3343
Navigational, measuring, electromedical, and control instruments manufacturing	3380	3345
Semiconductor, magnetic and optical media, and other electronic component manufacturing	3390	3344, 3346
Household appliance manufacturing	3470	3352
Electric lighting and electrical equipment manufacturing, and other electrical component manufacturing, n.e.c.	3490	3351, 3353, 3359
Motor vehicles and motor vehicle equipment manufacturing	3570	3361, 3362, 3363
Aircraft, aircraft engine, and aircraft parts manufacturing	3580	336411, 336412, 336413
Guided missile and space vehicle and parts manufacturing	3590	336414, 336415, 336419
Railroad rolling stock manufacturing	3670	3365
Ship and boat building	3680	3366
Other transportation equipment manufacturing	3690	3369
Sawmills and wood preservation	3770	3211
Veneer, plywood, and engineered wood product manufacturing	3780	3212
Manufactured home (mobile home) and prefabricated wood building manufacturing	3790	321991, 321992
Miscellaneous wood product manufacturing	3875	3219 exc. 321991, 321992
Furniture and related product manufacturing	3895	337
Medical equipment and supplies manufacturing	3960	3391
Sporting and athletic goods, and doll, toy and game manufacturing	3970	33992, 33993
Miscellaneous manufacturing, n.e.c.	3980	3399 exc. 33992, 33993
Not specified manufacturing industries	3990	Part of 31, 32, 33
Wholesale Trade	4070-4590	42

Industry 2022 Description	2022 Census Industry Code	2022 NAICS Code
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	4070	4231
Furniture and home furnishing merchant wholesalers	4080	4232
Lumber and other construction materials merchant wholesalers	4090	4233
Professional and commercial equipment and supplies merchant wholesalers	4170	4234
Metal and mineral, except petroleum, merchant wholesalers	4180	4235
Household appliances and electrical and electronic goods merchant wholesalers	4195	4236
Hardware, and plumbing and heating equipment, and supplies merchant wholesalers	4265	4237
Machinery, equipment, and supplies merchant wholesalers	4270	4238
Recyclable material merchant wholesalers	4280	42393
Miscellaneous durable goods, except recyclable material, merchant wholesalers	4290	4239 exc. 42393
Paper and paper product merchant wholesalers	4370	4241
Drugs, druggists' sundries, and chemical and allied products merchant wholesalers	4380	4242, 4246
Apparel, piece goods, and notions merchant wholesalers	4390	4243
Grocery and related product merchant wholesalers	4470	4244
Farm product raw material merchant wholesalers	4480	4245
Petroleum and petroleum products merchant wholesalers	4490	4247
Beer, wine, and distilled alcoholic beverage merchant wholesalers	4560	4248
Farm supplies merchant wholesalers	4570	42491
Miscellaneous nondurable goods merchant, except farm supplies, wholesalers	4580	4249 exc. 42491
Wholesale trade agents and brokers	4585	4251
Not specified wholesale trade	4590	Part of 42
Retail Trade	4670-5791	44-45
Automobile dealers	4670	4411
Other motor vehicle dealers	4681	4412
Automotive parts, accessories, and tire retailers	4691	4413
Furniture and home furnishings retailers	4771	4491
Electronics and appliance retailers	4796	4492
Building material and supplies dealers, except hardware retailers	4871	4441 exc. 44414
Hardware retailers	4881	44414
Lawn and garden equipment and supplies retailers	4891	4442

Industry 2022 Description	2022 Census Industry Code	2022 NAICS Code
Supermarkets and other grocery (except convenience) retailers	4971	44511
Convenience retailers and vending machine operators	4973	44513
Specialty food retailers	4981	4452
Beer, wine, and liquor retailers	4991	4453
Pharmacies and drug retailers	5071	45611
Health and personal care, except pharmacies and drug, retailers	5081	4561 exc. 45611
Gasoline stations	5090	4571
Clothing and clothing accessories retailers	5171	4581
Shoe retailers	5181	4582
Jewelry, luggage, and leather goods retailers	5191	4583
Sporting goods, and hobby, toy, and game retailers	5276	45911, 45912
Sewing, needlework, and piece goods retailers	5281	45913
Musical instrument and supplies retailers	5296	45914
Book retailers and news dealers	5371	45921
Department stores	5382	4551
Warehouse clubs, supercenters, and other general merchandise retailers	5392	4552
Florists	5471	4593
Office supplies and stationery retailers	5481	45941
Used merchandise retailers	5491	4595
Gift, novelty, and souvenir retailers	5571	45942
Other miscellaneous retailers	5581	4599
Fuel dealers	5680	4572
Not specified retail trade	5791	Part of 44, 45
Transportation and Warehousing, and Utilities	6070-6390, 0570-0690	48-49, 22
Transportation and Warehousing	6070-6390	48-49
Air transportation	6070	481
Rail transportation	6080	482
Water transportation	6090	483
Truck transportation	6170	484
Transit and ground passenger transportation, except taxi and limousine service	6180	4851, 4852, 4854, 4855, 4859
Taxi and limousine service	6190	4853
Pipeline transportation	6270	486
Scenic and sightseeing transportation	6280	487
Support activities for transportation	6290	488
Postal Service	6370	491
Couriers and messengers	6380	492
Warehousing and storage	6390	493
Utilities	0570-0690	22
Electric power generation, transmission and distribution	0570	2211

Industry 2022 Description	2022 Census Industry Code	2022 NAICS Code
Natural gas distribution	0580	2212
Electric and gas, and other combinations	0590	Pts. 2211, 2212
Water supply and irrigation systems, and steam and air-conditioning supply	0670	22131, 22133
Sewage treatment facilities	0680	22132
Not specified utilities	0690	Part of 22
Information	6471-6781	51
Newspaper publishers	6471	51311
Periodical, book, and directory and mailing list, and other publishers	6481	5131 exc. 51311
Software publishers	6490	5132
Motion pictures and video industries	6570	5121
Sound recording industries	6590	5122
Broadcasting and content providers	6671	516
Wired telecommunications carriers	6680	517111
Telecommunications, except wired telecommunications carriers	6690	517 exc. 517111
Computing infrastructure providers, data processing, web hosting, and related services	6695	5182
Libraries and archives	6770	51921
Web search portals and all other information services	6781	51929
Finance and Insurance, and Real Estate, and Rental and Leasing	6871-7190	52-53
Finance and Insurance	6871-6992	52
Monetary authorities-central bank, and commercial banking	6871	521, 52211
Credit unions, and savings institutions and other depository credit intermediation	6881	52213, 52218
Nondepository credit intermediation and related activities	6890	5222, 5223
Securities, commodities, funds, trusts, and other financial investments	6970	523, 525
Insurance carriers	6991	5241
Agencies, brokerages, and other insurance related activities	6992	5242
Real Estate and Rental and Leasing	7071-7190	53
Lessors of real estate, and offices of real estate agents and brokers	7071	5311, 5312
Activities related to real estate	7072	5313
Automotive equipment rental and leasing	7080	5321
Consumer goods rental, and general rental centers	7181	5322, 5323
Commercial and industrial machinery and equipment, and nonfinancial intangible assets rental and leasing	7190	5324, 533
Professional, Scientific, and Management, and Administrative, and Waste Management Services	7270-7790	54-56

Industry 2022 Description	2022 Census Industry Code	2022 NAICS Code
<i>Professional, Scientific, and Technical Services</i>	<i>7270-7490</i>	<i>54</i>
Legal services	7270	5411
Accounting, tax preparation, bookkeeping, and payroll services	7280	5412
Architectural, engineering, and related services	7290	5413
Specialized design services	7370	5414
Computer systems design and related services	7380	5415
Management, scientific, and technical consulting services	7390	5416
Scientific research and development services	7460	5417
Advertising, public relations, and related services	7470	5418
Veterinary services	7480	54194
Other professional, scientific, and technical, except veterinary, services	7490	5419 exc. 54194
<i>Management of companies and enterprises</i>	<i>7570</i>	<i>55</i>
<i>Administrative and support and waste management services</i>	<i>7580-7790</i>	<i>56</i>
Employment services	7580	5613
Business support services	7590	5614
Travel arrangements and reservation services	7670	5615
Investigation and security services	7680	5616
Services to buildings and dwellings, except landscaping services	7690	5617 exc. 56173
Landscaping services	7770	56173
Other administrative and other support services	7780	5611, 5612, 5619
Waste management and remediation services	7790	562
<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
Junior colleges, colleges, universities, and professional schools	7870	6112, 6113
Business, trade and technical schools, and computer and management training	7880	6114, 6115
Other schools and instruction, and educational support services	7890	6116, 6117
<i>Health Care and Social Assistance</i>	<i>7970-8470</i>	<i>62</i>
Offices of physicians	7970	6211
Offices of dentists	7980	6212
Offices of chiropractors	7990	62131
Offices of optometrists	8070	62132
Offices of other health practitioners	8080	6213 exc. 62131, 62132
Outpatient care centers	8090	6214
Home health care services	8170	6216

Industry 2022 Description	2022 Census Industry Code	2022 NAICS Code
Other health care services	8180	6215, 6219
General medical and surgical hospitals, and specialty (except psychiatric and substance abuse) hospitals	8191	6221, 6223
Psychiatric and substance abuse hospitals	8192	6222
Nursing care facilities (skilled nursing facilities)	8270	6231
Residential care facilities, except skilled nursing facilities	8290	6232, 6233, 6239
Individual and family services	8370	6241
Community food and housing, and emergency and other relief services	8380	6242
Vocational rehabilitation services	8390	6243
Child care services	8470	6244
Arts, Entertainment, and Recreation, and Accommodation and Food Services	8561-8690	71-72
Arts, Entertainment, and Recreation	8561-8590	71
Performing arts companies	8561	7111
Spectator sports	8562	7112
Promoters of performing arts, sports, and similar events, agents and managers for artists, athletes, entertainers, and other public figures	8563	7113, 7114
Independent artists, writers, and performers	8564	7115
Museums, historical sites, and similar institutions	8570	712
Bowling centers	8580	71395
Other amusement, gambling, and recreation industries	8590	713 exc. 71395
Accommodation and Food Services	8660-8690	72
Traveler accommodation	8660	7211
Recreational vehicle parks and camps, and rooming and boarding houses, dormitories, and workers' camps	8670	7212, 7213
Food services and drinking places, except alcoholic beverages	8680	722 exc. 7224
Drinking places (alcoholic beverages)	8690	7224
Other Services, Except Public Administration	8770-9290	81
Automotive repair and maintenance, except car washes	8770	8111 exc. 811192
Car washes	8780	811192
Electronic and precision equipment repair and maintenance	8790	8112
Commercial and industrial machinery and equipment repair and maintenance	8870	8113
Personal and household goods repair and maintenance	8891	8114
Barber shops	8970	812111
Beauty salons	8980	812112
Nail salons and other personal care services	8990	812113, 81219
Drycleaning and laundry services	9070	8123
Death care services	9080	8122
Other personal services	9090	8129

Industry 2022 Description	2022 Census Industry Code	2022 NAICS Code
Religious organizations	9160	8131
Civic, social, advocacy organizations, and grantmaking and giving services	9170	8132, 8133, 8134
Labor unions and similar labor organizations	9180	81393
Business, professional, political, and similar organizations	9190	8139 exc. 81393
Private households	9290	814
Public Administration	9370-9590	92
Executive offices and legislative bodies	9370	92111, 92112, 92114, pt. 92115
Public finance activities	9380	92113
Other general government and support	9390	92119
Justice, public order, and safety activities	9470	922, pt. 92115
Administration of human resource programs	9480	923
Administration of environmental quality, and housing programs, urban planning and community development	9490	924, 925
Administration of economic programs and space research and technology	9570	926, 927
National security and international affairs	9590	92812, pt. 92811
Military	9670-9870	pt. 92811
U. S. Army	9670	pt. 92811
U. S. Air Force	9680	pt. 92811
U. S. Navy	9690	pt. 92811
U. S. Marines	9770	pt. 92811
U. S. Coast Guard	9780	pt. 92811
Armed Forces, Branch not specified	9790	pt. 92811
Military Reserves or National Guard	9870	pt. 92811
Unemployed, last worked 5 years ago or earlier or never worked	9920	

Data user note: Highlighted and bolded cells indicate where there was a change to the Census industry code, a change to the Census industry description and/or a change to the NAICS code.

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
0170	111	Crop production	0170	111	Crop production	0170	111	Crop production	0170	111	Crop production
0180	112	Animal production	0180	112	Animal production and aquaculture	0180	112	Animal production and aquaculture	0180	112	Animal production and aquaculture
0190	1131, 1132	Forestry except logging	0190	1131, 1132	Forestry except logging	0190	1131, 1132	Forestry except logging	0190	1131, 1132	Forestry except logging
0270	1133	Logging	0270	1133	Logging	0270	1133	Logging	0270	1133	Logging
0280	114	Fishing, hunting and trapping	0280	114	Fishing, hunting and trapping	0280	114	Fishing, hunting and trapping	0280	114	Fishing, hunting and trapping
0290	115	Support activities for agriculture and forestry	0290	115	Support activities for agriculture and forestry	0290	115	Support activities for agriculture and forestry	0290	115	Support activities for agriculture and forestry
0370	211	Oil and gas extraction	0370	211	Oil and gas extraction	0370	211	Oil and gas extraction	0370	211	Oil and gas extraction
0380	2121	Coal mining	0380	2121	Coal mining	0380	2121	Coal mining	0380	2121	Coal mining
0390	2122	Metal ore mining	0390	2122	Metal ore mining	0390	2122	Metal ore mining	0390	2122	Metal ore mining
0470	2123	Nonmetallic mineral mining and quarrying	0470	2123	Nonmetallic mineral mining and quarrying	0470	2123	Nonmetallic mineral mining and quarrying	0470	2123	Nonmetallic mineral mining and quarrying
0480	Part of 21	Not specified type of mining	0480	Part of 21	Not specified type of mining	0480	Part of 21	Not specified type of mining	0480	Part of 21	Not specified type of mining

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
0490	213	Support activities for mining	0490	213	Support activities for mining	0490	213	Support activities for mining	0490	213	Support activities for mining
0570	2211	Electric power generation, transmission and distribution	0570	2211	Electric power generation, transmission and distribution	0570	2211	Electric power generation, transmission and distribution	0570	2211	Electric power generation, transmission and distribution
0580	2212	Natural gas distribution	0580	2212	Natural gas distribution	0580	2212	Natural gas distribution	0580	2212	Natural gas distribution
0590	Pts. 2211, 2212	Electric and gas, and other combinations	0590	Pts. 2211, 2212	Electric and gas, and other combinations	0590	Pts. 2211, 2212	Electric and gas, and other combinations	0590	Pts. 2211, 2212	Electric and gas, and other combinations
0670	22131, 22133	Water, steam, air-conditioning, and irrigation systems	0670	22131, 22133	Water, steam, air-conditioning, and irrigation systems	0670	22131, 22133	Water, steam, air-conditioning, and irrigation systems	0670	22131, 22133	Water supply and irrigation systems, and steam and air-conditioning supply
0680	22132	Sewage treatment facilities	0680	22132	Sewage treatment facilities	0680	22132	Sewage treatment facilities	0680	22132	Sewage treatment facilities
0690	Part of 22	Not specified utilities	0690	Part of 22	Not specified utilities	0690	Part of 22	Not specified utilities	0690	Part of 22	Not specified utilities
0770	23	Construction (the cleaning of buildings and dwellings is incidental during construction and	0770	23	Construction (the cleaning of buildings and dwellings is incidental during construction and	0770	23	Construction (the cleaning of buildings and dwellings is incidental during construction and	0770	23	Construction (the cleaning of buildings and dwellings is incidental during construction and

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
		immediately after construction)			immediately after construction)			immediately after construction)			immediately after construction)
1070	3111, 3112	Animal food, grain and oilseed milling	1070	3111, 3112	Animal food, grain and oilseed milling	1070	3111, 3112	Animal food, grain and oilseed milling	1070	3111, 3112	Animal food, grain and oilseed milling
1080	3113	Sugar and confectionery products	1080	3113	Sugar and confectionery products	1080	3113	Sugar and confectionery products	1080	3113	Sugar and confectionery products
1090	3114	Fruit and vegetable preserving and specialty food manufacturing	1090	3114	Fruit and vegetable preserving and specialty food manufacturing	1090	3114	Fruit and vegetable preserving and specialty food manufacturing	1090	3114	Fruit and vegetable preserving and specialty food manufacturing
1170	3115	Dairy product manufacturing	1170	3115	Dairy product manufacturing	1170	3115	Dairy product manufacturing	1170	3115	Dairy product manufacturing
1180	3116	Animal slaughtering and processing	1180	3116	Animal slaughtering and processing	1180	3116	Animal slaughtering and processing	1180	3116	Animal slaughtering and processing
1190	311811	Retail bakeries	1190	311811	Retail bakeries	1190	311811	Retail bakeries	1190	311811	Retail bakeries
1270	3118 exc. 311811	Bakeries, except retail	1270	3118 exc. 311811	Bakeries and tortilla manufacturing, except retail bakeries	1270	3118 exc. 311811	Bakeries and tortilla manufacturing, except retail bakeries	1270	3118 exc. 311811	Bakeries and tortilla manufacturing, except retail bakeries
1280	3117, 3119	Seafood and other miscellaneous foods, n.e.c.	1280	3117, 3119	Seafood and other miscellaneous foods, n.e.c.	1280	3117, 3119	Seafood and other miscellaneous foods, n.e.c.	1280	3117, 3119	Seafood and other miscellaneous foods, n.e.c.

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
1290	Part of 311	Not specified food industries	1290	Part of 311	Not specified food industries	1290	Part of 311	Not specified food industries	1290	Part of 311	Not specified food industries
1370	3121	Beverage manufacturing	1370	3121	Beverage manufacturing	1370	3121	Beverage manufacturing	1370	3121	Beverage manufacturing
1390	3122	Tobacco manufacturing	1390	3122	Tobacco manufacturing	1390	3122	Tobacco manufacturing	1390	3122	Tobacco manufacturing
1470	3131	Fiber, yarn, and thread mills	1470	3131	Fiber, yarn, and thread mills	1470	3131	Fiber, yarn, and thread mills	1470	3131	Fiber, yarn, and thread mills
1480	3132 exc. 31324	Fabric mills, except knitting mills	1480	3132 exc. 31324	Fabric mills, except knitting mills	1480	3132 exc. 31324	Fabric mills, except knitting mills	1480	3132 exc. 31324	Fabric mills, except knit fabric mills
1490	3133	Textile and fabric finishing and fabric coating mills	1490	3133	Textile and fabric finishing and fabric coating mills	1490	3133	Textile and fabric finishing and fabric coating mills	1490	3133	Textile and fabric finishing and fabric coating mills
1570	31411	Carpet and rug mills	1570	31411	Carpet and rug mills	1570	31411	Carpet and rug mills	1570	31411	Carpet and rug mills
1590	314 exc. 31411	Textile product mills, except carpet and rug	1590	314 exc. 31411	Textile product mills, except carpet and rug	1590	314 exc. 31411	Textile product mills, except carpet and rug	1590	314 exc. 31411	Textile product mills, except carpet and rug
1670	31324, 3151	Knitting fabric mills, and apparel knitting mills	1670	31324, 3151	Knitting fabric mills, and apparel knitting mills	1670	31324, 3151	Knitting fabric mills, and apparel knitting mills	1670	31324, 3151	Knit fabric mills, and apparel knitting mills
1680	3152	Cut and sew apparel manufacturing	1680	3152	Cut and sew apparel manufacturing	1691	3152, 3159	Cut and sew, and apparel accessories and other apparel manufacturing	1691	3152, 3159	Cut and sew, and apparel accessories and other apparel manufacturing

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
1690	3159	Apparel accessories and other apparel manufacturing	1690	3159	Apparel accessories and other apparel manufacturing	1691	3152, 3159	Cut and sew, and apparel accessories and other apparel manufacturing			
1770	3162	Footwear manufacturing	1770	3162	Footwear manufacturing	1770	3162	Footwear manufacturing	1770	3162	Footwear manufacturing
1790	3161, 3169	Leather tanning and finishing and other allied products manufacturing	1790	3161, 3169	Leather tanning and finishing and other allied products manufacturing	1790	3161, 3169	Leather and hide tanning and finishing, and other leather and allied product manufacturing	1790	3161, 3169	Leather and hide tanning and finishing, and other leather and allied product manufacturing
1870	3221	Pulp, paper, and paperboard mills	1870	3221	Pulp, paper, and paperboard mills	1870	3221	Pulp, paper, and paperboard mills	1870	3221	Pulp, paper, and paperboard mills
1880	32221	Paperboard containers and boxes	1880	32221	Paperboard container manufacturing	1880	32221	Paperboard container manufacturing	1880	32221	Paperboard container manufacturing
1890	32222,32223,32229	Miscellaneous paper and pulp products	1890	32222,32223,32229	Miscellaneous paper and pulp products	1890	32222,32223,32229	Miscellaneous paper and pulp products	1890	32222,32223,32229	Miscellaneous paper and pulp products manufacturing
1990	3231	Printing and related	1990	3231	Printing and related	1990	3231	Printing and related support activities	1990	3231	Printing and related

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
		support activities			support activities						support activities
2070	32411	Petroleum refining	2070	32411	Petroleum refining	2070	32411	Petroleum refining	2070	32411	Petroleum refineries
2090	32412, 32419	Miscellaneous petroleum and coal products	2090	32412, 32419	Miscellaneous petroleum and coal products	2090	32412, 32419	Miscellaneous petroleum and coal products	2090	32412, 32419	Petroleum and coal products manufacturing, except petroleum refineries
2170	3252	Resin, synthetic rubber, and fibers and filaments manufacturing	2170	3252	Resin, synthetic rubber, and fibers and filaments manufacturing	2170	3252	Resin, synthetic rubber, and fibers and filaments manufacturing	2170	3252	Resin, synthetic rubber, and artificial and synthetic fibers and filaments manufacturing
2180	3253	Agricultural chemical manufacturing	2180	3253	Agricultural chemical manufacturing	2180	3253	Agricultural chemical manufacturing	2180	3253	Pesticide, fertilizer, and other agricultural chemical manufacturing
2190	3254	Pharmaceutical and medicine manufacturing	2190	3254	Pharmaceutical and medicine manufacturing	2190	3254	Pharmaceutical and medicine manufacturing	2190	3254	Pharmaceutical and medicine manufacturing

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
2270	3255	Paint, coating, and adhesive manufacturing	2270	3255	Paint, coating, and adhesive manufacturing	2270	3255	Paint, coating, and adhesive manufacturing	2270	3255	Paint, coating, and adhesive manufacturing
2280	3256	Soap, cleaning compound, and cosmetics manufacturing	2280	3256	Soap, cleaning compound, and cosmetics manufacturing	2280	3256	Soap, cleaning compound, and cosmetics manufacturing	2280	3256	Soap, cleaning compound, and toilet preparation manufacturing
2290	3251, 3259	Industrial and miscellaneous chemicals	2290	3251, 3259	Industrial and miscellaneous chemicals	2290	3251, 3259	Industrial and miscellaneous chemicals	2290	3251, 3259	Basic chemical manufacturing, and other chemical product and preparation manufacturing
2370	3261	Plastics product manufacturing	2370	3261	Plastics product manufacturing	2370	3261	Plastics product manufacturing	2370	3261	Plastics product manufacturing
2380	32621	Tire manufacturing	2380	32621	Tire manufacturing	2380	32621	Tire manufacturing	2380	32621	Tire manufacturing
2390	32622, 32629	Rubber products, except tires, manufacturing	2390	32622, 32629	Rubber products, except tires, manufacturing	2390	32622, 32629	Rubber products, except tires, manufacturing	2390	32622, 32629	Rubber products, except tires, manufacturing
2470	32711	Pottery, ceramics, and plumbing	2470	32711	Pottery, ceramics, and plumbing	2470	32711	Pottery, ceramics, and plumbing	2470	32711	Pottery, ceramics, and plumbing

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
		fixture manufacturing			fixture manufacturing			fixture manufacturing			fixture manufacturing
2480	32712	Structural clay product manufacturing	2480	32712	Clay building material and refractories manufacturing	2480	327120	Clay building material and refractories manufacturing	2480	32712	Clay building material and refractories manufacturing
2490	3272	Glass and glass product manufacturing	2490	3272	Glass and glass product manufacturing	2490	3272	Glass and glass product manufacturing	2490	3272	Glass and glass product manufacturing
2570	3273, 3274	Cement, concrete, lime, and gypsum product manufacturing	2570	3273, 3274	Cement, concrete, lime, and gypsum product manufacturing	2570	3273, 3274	Cement, concrete, lime, and gypsum product manufacturing	2570	3273, 3274	Cement, concrete, lime, and gypsum product manufacturing
2590	3279	Miscellaneous nonmetallic mineral product manufacturing	2590	3279	Miscellaneous nonmetallic mineral product manufacturing	2590	3279	Miscellaneous nonmetallic mineral product manufacturing	2590	3279	Other nonmetallic mineral product manufacturing
2670	3311, 3312	Iron and steel mills and steel product manufacturing	2670	3311, 3312	Iron and steel mills and steel product manufacturing	2670	3311, 3312	Iron and steel mills and steel product manufacturing	2670	3311, 3312	Iron and steel mills and steel product manufacturing
2680	3313	Aluminum production and processing	2680	3313	Aluminum production and processing	2680	3313	Aluminum production and processing	2680	3313	Alumina and aluminum production and processing

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
2690	3314	Nonferrous metal (except aluminum) production and processing	2690	3314	Nonferrous metal (except aluminum) production and processing	2690	3314	Nonferrous metal (except aluminum) production and processing	2690	3314	Nonferrous metal (except aluminum) production and processing
2770	3315	Foundries	2770	3315	Foundries	2770	3315	Foundries	2770	3315	Foundries
2780	3321	Metal forgings and stampings	2780	3321	Metal forgings and stampings	2780	3321	Metal forgings and stampings	2780	3321	Forging and stamping
2790	3322	Cutlery and hand tool manufacturing	2790	3322	Cutlery and hand tool manufacturing	2790	3322	Cutlery and hand tool manufacturing	2790	3322	Cutlery and handtool manufacturing
2870	3323, 3324	Structural metals, and boiler, tank, and shipping container manufacturing	2870	3323, 3324	Structural metals, and boiler, tank, and shipping container manufacturing	2870	3323, 3324	Structural metals, and boiler, tank, and shipping container manufacturing	2870	3323, 3324	Architectural and structural metals, and boiler, tank, and shipping container manufacturing
2880	3327	Machine shops; turned product; screw, nut, and bolt manufacturing	2880	3327	Machine shops; turned product; screw, nut, and bolt manufacturing	2880	3327	Machine shops; turned product; screw, nut, and bolt manufacturing	2880	3327	Machine shops; turned product; screw, nut, and bolt manufacturing
2890	3328	Coating, engraving, heat treating, and allied activities	2890	3328	Coating, engraving, heat treating, and allied activities	2890	3328	Coating, engraving, heat treating, and allied activities	2890	3328	Coating, engraving, heat treating, and allied activities

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
2970	332992, 332993, 332994, 332995	Ordnance	2970	332992, 332993, 332994	Ordnance	2970	332992, 332993, 332994	Ordnance	2970	332992, 332993, 332994	Ordnance
2980	3325, 3326, 3329 exc. 332992, 332993, 332994, 332995	Miscellaneous fabricated metal products manufacturing	2980	3325, 3326, 3329 exc. 332992, 332993, 332994	Miscellaneous fabricated metal products manufacturing	2980	3325, 3326, 3329 exc. 332992, 332993, 332994, 332996	Miscellaneous fabricated metal products manufacturing	2980	3325, 3326, 3329 exc. 332992, 332993, 332994	Miscellaneous fabricated metal product manufacturing
2990	Part of 331 and 332	Not specified metal industries	2990	Part of 331 and 332	Not specified metal industries	2990	Part of 331 and 332	Not specified metal industries	2990	Part of 331 and 332	Not specified metal industries
3070	33311	Agricultural implement manufacturing	3070	33311	Agricultural implement manufacturing	3070	33311	Agricultural implement manufacturing	3070	33311	Agricultural implement manufacturing
3080	33312, 33313	Construction, and mining and oil and gas field machinery manufacturing	3080	33312, 33313	Construction, and mining and oil and gas field machinery manufacturing	3080	33312, 33313	Construction, and mining and oil and gas field machinery manufacturing	3080	33312, 33313	Construction, and mining and oil and gas field machinery manufacturing
3090	3333	Commercial and service industry machinery manufacturing	3095	3333	Commercial and service industry machinery manufacturing	3095	3333	Commercial and service industry machinery manufacturing	3095	3333	Commercial and service industry machinery manufacturing

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
3170	3335	Metalworking machinery manufacturing	3170	3335	Metalworking machinery manufacturing	3170	3335	Metalworking machinery manufacturing	3170	3335	Metalworking machinery manufacturing
3180	3336	Engines, turbines, and power transmission equipment manufacturing	3180	3336	Engine, turbine, and power transmission equipment manufacturing	3180	3336	Engine, turbine, and power transmission equipment manufacturing	3180	3336	Engine, turbine, and power transmission equipment manufacturing
3190	3332, 3334, 3339	Machinery manufacturing, n.e.c.	3190	3332, 3334, 3339	Machinery manufacturing, n.e.c.	3291	3332, 3334, 3339, Part of 333	Machinery manufacturing, n.e.c. or not specified	3291	3332, 3334, 3339, Part of 333	Machinery manufacturing, n.e.c. or not specified
3290	Part of 333	Not specified machinery manufacturing	3290	Part of 333	Not specified machinery manufacturing	3291	3332, 3334, 3339, Part of 333	Machinery manufacturing, n.e.c. or not specified			
3360	3341	Computer and peripheral equipment manufacturing	3365	3341	Computer and peripheral equipment manufacturing	3365	3341	Computer and peripheral equipment manufacturing	3365	3341	Computer and peripheral equipment manufacturing
3370	3342, 3343	Communications, and audio and video equipment manufacturing	3370	3342, 3343	Communications, and audio and video equipment manufacturing	3370	3342, 3343	Communications, audio, and video equipment manufacturing	3370	3342, 3343	Communications, audio, and video equipment manufacturing
3380	3345	Navigational, measuring, electromedical	3380	3345	Navigational, measuring, electromedical	3380	3345	Navigational, measuring, electromedical,	3380	3345	Navigational, measuring, electromedical

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
		l, and control instruments manufacturing			l, and control instruments manufacturing			and control instruments manufacturing			, and control instruments manufacturing
3390	3344, 3346	Electronic component and product manufacturing, n.e.c.	3390	3344, 3346	Electronic component and product manufacturing, n.e.c.	3390	3344, 3346	Electronic component and product manufacturing, n.e.c.	3390	3344, 3346	Semiconductor, magnetic and optical media, and other electronic component manufacturing
3470	3352	Household appliance manufacturing	3470	3352	Household appliance manufacturing	3470	3352	Household appliance manufacturing	3470	3352	Household appliance manufacturing
3490	3351, 3353, 3359	Electric lighting and electrical equipment manufacturing, and other electrical component manufacturing, n.e.c.	3490	3351, 3353, 3359	Electric lighting and electrical equipment manufacturing, and other electrical component manufacturing, n.e.c.	3490	3351, 3353, 3359	Electric lighting and electrical equipment manufacturing, and other electrical component manufacturing, n.e.c.	3490	3351, 3353, 3359	Electric lighting and electrical equipment manufacturing, and other electrical component manufacturing, n.e.c.
3570	3361, 3362, 3363	Motor vehicles and motor vehicle equipment manufacturing	3570	3361, 3362, 3363	Motor vehicles and motor vehicle equipment manufacturing	3570	3361, 3362, 3363	Motor vehicles and motor vehicle equipment manufacturing	3570	3361, 3362, 3363	Motor vehicles and motor vehicle equipment manufacturing

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
3580	336411, 336412, 336413	Aircraft and parts manufacturing	3580	336411, 336412, 336413	Aircraft and parts manufacturing	3580	336411, 336412, 336413	Aircraft and parts manufacturing	3580	336411, 336412, 336413	Aircraft, aircraft engine, and aircraft parts manufacturing
3590	336414, 336415, 336419	Aerospace products and parts manufacturing	3590	336414, 336415, 336419	Aerospace products and parts manufacturing	3590	336414, 336415, 336419	Aerospace products and parts manufacturing	3590	336414, 336415, 336419	Guided missile and space vehicle and parts manufacturing
3670	3365	Railroad rolling stock manufacturing	3670	3365	Railroad rolling stock manufacturing	3670	3365	Railroad rolling stock manufacturing	3670	3365	Railroad rolling stock manufacturing
3680	3366	Ship and boat building	3680	3366	Ship and boat building	3680	3366	Ship and boat building	3680	3366	Ship and boat building
3690	3369	Other transportation equipment manufacturing	3690	3369	Other transportation equipment manufacturing	3690	3369	Other transportation equipment manufacturing	3690	3369	Other transportation equipment manufacturing
3770	3211	Sawmills and wood preservation	3770	3211	Sawmills and wood preservation	3770	3211	Sawmills and wood preservation	3770	3211	Sawmills and wood preservation
3780	3212	Veneer, plywood, and engineered wood products	3780	3212	Veneer, plywood, and engineered wood products	3780	3212	Veneer, plywood, and engineered wood products	3780	3212	Veneer, plywood, and engineered wood product manufacturing
3790	321991, 321992	Prefabricated wood	3790	321991, 321992	Prefabricated wood	3790	321991, 321992	Prefabricated wood buildings	3790	321991, 321992	Manufactured home (mobile

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
		buildings and mobile homes manufacturing			buildings and mobile homes manufacturing			and mobile homes manufacturing			home) and prefabricated wood building manufacturing
3870	3219 exc. 321991, 321992	Miscellaneous wood product manufacturing	3875	3219 exc. 321991, 321992	Miscellaneous wood products	3875	3219 exc. 321991, 321992	Miscellaneous wood products	3875	3219 exc. 321991, 321992	Miscellaneous wood product manufacturing
3890	337	Furniture and related product manufacturing	3895	337	Furniture and related product manufacturing	3895	337	Furniture and related product manufacturing	3895	337	Furniture and related product manufacturing
3960	3391	Medical equipment and supplies manufacturing	3960	3391	Medical equipment and supplies manufacturing	3960	3391	Medical equipment and supplies manufacturing	3960	3391	Medical equipment and supplies manufacturing
3970	33992, 33993	Sporting and athletic goods, and doll, toy and game manufacturing	3970	33992, 33993	Sporting and athletic goods, and doll, toy and game manufacturing	3970	33992, 33993	Sporting and athletic goods, and doll, toy and game manufacturing	3970	33992, 33993	Sporting and athletic goods, and doll, toy and game manufacturing
3980	3399 exc. 33992, 33993	Miscellaneous manufacturing, n.e.c.	3980	3399 exc. 33992, 33993	Miscellaneous manufacturing, n.e.c.	3980	3399 exc. 33992, 33993	Miscellaneous manufacturing, n.e.c.	3980	3399 exc. 33992, 33993	Miscellaneous manufacturing, n.e.c.
3990	Part of 31, 32, 33	Not specified manufacturing industries	3990	Part of 31, 32, 33	Not specified manufacturing industries	3990	Part of 31, 32, 33	Not specified manufacturing industries	3990	Part of 31, 32, 33	Not specified manufacturing industries
4070	4231	Motor vehicles, parts	4070	4231	Motor vehicle and motor	4070	4231	Motor vehicle and motor	4070	4231	Motor vehicle and motor

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
		and supplies merchant wholesalers			vehicle parts and supplies merchant wholesalers			vehicle parts and supplies merchant wholesalers			vehicle parts and supplies merchant wholesalers
4080	4232	Furniture and home furnishing merchant wholesalers	4080	4232	Furniture and home furnishing merchant wholesalers	4080	4232	Furniture and home furnishing merchant wholesalers	4080	4232	Furniture and home furnishing merchant wholesalers
4090	4233	Lumber and other construction materials merchant wholesalers	4090	4233	Lumber and other construction materials merchant wholesalers	4090	4233	Lumber and other construction materials merchant wholesalers	4090	4233	Lumber and other construction materials merchant wholesalers
4170	4234	Professional and commercial equipment and supplies merchant wholesalers	4170	4234	Professional and commercial equipment and supplies merchant wholesalers	4170	4234	Professional and commercial equipment and supplies merchant wholesalers	4170	4234	Professional and commercial equipment and supplies merchant wholesalers
4180	4235	Metals and minerals, except petroleum, merchant wholesalers	4180	4235	Metals and minerals, except petroleum, merchant wholesalers	4180	4235	Metals and minerals, except petroleum, merchant wholesalers	4180	4235	Metal and mineral, except petroleum, merchant wholesalers
4190	4236	Electrical and electronic goods	4195	4236	Household appliances and electrical and	4195	4236	Household appliances and electrical and electronic	4195	4236	Household appliances and electrical and electronic

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
		merchant wholesalers			electronic goods merchant wholesalers			goods merchant wholesalers			goods merchant wholesalers
4260	4237	Hardware, plumbing and heating equipment, and supplies merchant wholesalers	4265	4237	Hardware, plumbing and heating equipment, and supplies merchant wholesalers	4265	4237	Hardware, and plumbing and heating equipment, and supplies merchant wholesalers	4265	4237	Hardware, and plumbing and heating equipment, and supplies merchant wholesalers
4270	4238	Machinery, equipment, and supplies merchant wholesalers	4270	4238	Machinery, equipment, and supplies merchant wholesalers	4270	4238	Machinery, equipment, and supplies merchant wholesalers	4270	4238	Machinery, equipment, and supplies merchant wholesalers
4280	42393	Recyclable material merchant wholesalers	4280	42393	Recyclable material merchant wholesalers	4280	42393	Recyclable material merchant wholesalers	4280	42393	Recyclable material merchant wholesalers
4290	4239 exc. 42393	Miscellaneous durable goods merchant wholesalers	4290	4239 exc. 42393	Miscellaneous durable goods merchant wholesalers	4290	4239 exc. 42393	Miscellaneous durable goods merchant wholesalers	4290	4239 exc. 42393	Miscellaneous durable goods, except recyclable material, merchant wholesalers
4370	4241	Paper and paper products merchant wholesalers	4370	4241	Paper and paper products merchant wholesalers	4370	4241	Paper and paper products merchant wholesalers	4370	4241	Paper and paper product merchant wholesalers

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
4380	4242, 4246	Drugs, sundries, and chemical and allied products merchant wholesalers	4380	4242, 4246	Drugs, sundries, and chemical and allied products merchant wholesalers	4380	4242, 4246	Drugs, sundries, and chemical and allied products merchant wholesalers	4380	4242, 4246	Drugs, druggists' sundries, and chemical and allied products merchant wholesalers
4390	4243	Apparel, fabrics, and notions merchant wholesalers	4390	4243	Apparel, piece goods, and notions merchant wholesalers	4390	4243	Apparel, piece goods, and notions merchant wholesalers	4390	4243	Apparel, piece goods, and notions merchant wholesalers
4470	4244	Groceries and related products merchant wholesalers	4470	4244	Grocery and related product merchant wholesalers	4470	4244	Grocery and related product merchant wholesalers	4470	4244	Grocery and related product merchant wholesalers
4480	4245	Farm product raw materials merchant wholesalers	4480	4245	Farm product raw material merchant wholesalers	4480	4245	Farm product raw material merchant wholesalers	4480	4245	Farm product raw material merchant wholesalers
4490	4247	Petroleum and petroleum products merchant wholesalers	4490	4247	Petroleum and petroleum products merchant wholesalers	4490	4247	Petroleum and petroleum products merchant wholesalers	4490	4247	Petroleum and petroleum products merchant wholesalers
4560	4248	Alcoholic beverages merchant wholesalers	4560	4248	Alcoholic beverages merchant wholesalers	4560	4248	Alcoholic beverages merchant wholesalers	4560	4248	Beer, wine, and distilled alcoholic beverage

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
											merchant wholesalers
4570	42491	Farm supplies merchant wholesalers	4570	42491	Farm supplies merchant wholesalers	4570	42491	Farm supplies merchant wholesalers	4570	42491	Farm supplies merchant wholesalers
4580	4249 exc. 42491	Miscellaneous nondurable goods merchant wholesalers	4580	4249 exc. 42491	Miscellaneous nondurable goods merchant wholesalers	4580	4249 exc. 42491	Miscellaneous nondurable goods merchant wholesalers	4580	4249 exc. 42491	Miscellaneous nondurable goods merchant, except farm supplies, wholesalers
4585	4251	Wholesale electronic markets and agents and brokers	4585	4251	Wholesale electronic markets and agents and brokers	4585	4251	Wholesale electronic markets and agents and brokers	4585	4251	Wholesale trade agents and brokers
4590	Part of 42	Not specified wholesale trade	4590	Part of 42	Not specified wholesale trade	4590	Part of 42	Not specified wholesale trade	4590	Part of 42	Not specified wholesale trade
4670	4411	Automobile dealers	4670	4411	Automobile dealers	4670	4411	Automobile dealers	4670	4411	Automobile dealers
4680	4412	Other motor vehicle dealers	4680	4412	Other motor vehicle dealers	4680	4412	Other motor vehicle dealers	4681	4412	Other motor vehicle dealers
4690	4413	Auto parts, accessories, and tire stores	4690	4413	Automotive parts, accessories, and tire stores	4690	4413	Automotive parts, accessories, and tire stores	4691	4413	Automotive parts, accessories, and tire retailers

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
4770	442	Furniture and home furnishings stores	4770	442	Furniture and home furnishings stores	4770	442	Furniture and home furnishings stores	4771	4491	Furniture and home furnishings retailers
4780	443111	Household appliance stores	4780	443141	Household appliance stores	4780	443141	Household appliance stores	4796	4492	Electronics and appliance retailers
4790	443112, 44312	Radio, TV, and computer stores	4795	443142	Electronics stores	4795	443142	Electronics stores	4796	4492	Electronics and appliance retailers
4870	4441 exc. 44413	Building material and supplies dealers	4870	4441 exc. 44413	Building material and supplies dealers	4870	4441 exc. 44413	Building material and supplies dealers	4871	4441 exc. 44414	Building material and supplies dealers, except hardware retailers
4880	44413	Hardware stores	4880	44413	Hardware stores	4880	44413	Hardware stores	4881	44414	Hardware retailers
4890	4442	Lawn and garden equipment and supplies stores	4890	4442	Lawn and garden equipment and supplies stores	4890	4442	Lawn and garden equipment and supplies stores	4891	4442	Lawn and garden equipment and supplies retailers
4970	4451	Grocery stores	4970	4451	Grocery stores	4971	44511	Supermarkets and other grocery (except convenience) stores	4971	44511	Supermarkets and other grocery (except convenience) retailers
						4972	44512	Convenience stores	4973	44513	Convenience retailers and

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
											vending machine operators
4980	4452	Specialty food stores	4980	4452	Specialty food stores	4980	4452	Specialty food stores	4981	4452	Specialty food retailers
4990	4453	Beer, wine, and liquor stores	4990	4453	Beer, wine, and liquor stores	4990	4453	Beer, wine, and liquor stores	4991	4453	Beer, wine, and liquor retailers
5070	44611	Pharmacies and drug stores	5070	44611	Pharmacies and drug stores	5070	44611	Pharmacies and drug stores	5071	45611	Pharmacies and drug retailers
5080	446 exc. 44611	Health and personal care, except drug, stores	5080	446 exc. 44611	Health and personal care, except drug, stores	5080	446 exc. 44611	Health and personal care, except drug, stores	5081	4561 exc. 45611	Health and personal care, except pharmacies and drug, retailers
5090	447	Gasoline stations	5090	447	Gasoline stations	5090	447	Gasoline stations	5090	4571	Gasoline stations
5170	4481	Clothing stores	5170	4481	Clothing stores	5170	4481	Clothing stores	5171	4581	Clothing and clothing accessories retailers
5180	44821	Shoe stores	5180	44821	Shoe stores	5180	44821	Shoe stores	5181	4582	Shoe retailers
5190	4483	Jewelry, luggage, and leather goods stores	5190	4483	Jewelry, luggage, and leather goods stores	5190	4483	Jewelry, luggage, and leather goods stores	5191	4583	Jewelry, luggage, and leather goods retailers
5270	44313, 45111, 45112	Sporting goods, camera, and	5275	45111, 45112	Sporting goods, and hobby and toy stores	5275	45111, 45112	Sporting goods, and hobby and toy stores	5276	45911, 45912	Sporting goods, and hobby, toy,

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
		hobby and toy stores									and game retailers
5280	45113	Sewing, needlework, and piece goods stores	5280	45113	Sewing, needlework, and piece goods stores	5280	45113	Sewing, needlework, and piece goods stores	5281	45913	Sewing, needlework, and piece goods retailers
5290	45114, 45122	Music stores	5295	45114	Musical instrument and supplies stores	5295	45114	Musical instrument and supplies stores	5296	45914	Musical instrument and supplies retailers
5370	45121	Book stores and news dealers	5370	45121	Book stores and news dealers	5370	45121	Book stores and news dealers	5371	45921	Book retailers and news dealers
5380	45211	Department stores and discount stores	5380	45211	Department stores and discount stores	5381	45221	Department stores	5382	4551	Department stores
5390	4529	Miscellaneous general merchandise stores	5390	4529	Miscellaneous general merchandise stores	5391	4523	General merchandise stores, including warehouse clubs and supercenters	5392	4552	Warehouse clubs, supercenters, and other general merchandise retailers
5470	4531	Retail florists	5470	4531	Retail florists	5470	4531	Florists	5471	4593	Florists
5480	45321	Office supplies and stationery stores	5480	45321	Office supplies and stationery stores	5480	45321	Office supplies and stationery stores	5481	45941	Office supplies and stationery retailers

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
5490	4533	Used merchandise stores	5490	4533	Used merchandise stores	5490	4533	Used merchandise stores	5491	4595	Used merchandise retailers
5570	45322	Gift, novelty, and souvenir shops	5570	45322	Gift, novelty, and souvenir shops	5570	45322	Gift, novelty, and souvenir shops	5571	45942	Gift, novelty, and souvenir retailers
5580	4539	Miscellaneous retail stores	5580	4539	Miscellaneous retail stores	5580	4539	Miscellaneous retail stores	5392	4552	Warehouse clubs, supercenters, and other general merchandise retailers
									5581	4599	Other miscellaneous retailers
5590	454111	Electronic shopping	5590	454111	Electronic shopping	5593	454110	Electronic shopping and mail-order houses			
5591	454112	Electronic auctions	5591	454112	Electronic auctions	5593	454110	Electronic shopping and mail-order houses			
5592	454113	Mail order houses	5592	454113	Mail-order houses	5593	454110	Electronic shopping and mail-order houses	4681	4412	Other motor vehicle dealers
									4691	4413	Automotive parts, accessories,

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
											and tire retailers
									4871	4441 exc. 44414	Building material and supplies dealers, except hardware retailers
									4881	44414	Hardware retailers
									4891	4442	Lawn and garden equipment and supplies retailers
									4973	44513	Convenience retailers and vending machine operators
									4981	4452	Specialty food retailers
									4991	4453	Beer, wine, and liquor retailers
									4771	4491	Furniture and home furnishings retailers

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
									4796	4492	Electronics and appliance retailers
									5382	4551	Department stores
									5392	4552	Warehouse clubs, supercenters, and other general merchandise retailers
									5071	45611	Pharmacies and drug retailers
									5081	4561 exc. 45611	Health and personal care, except pharmacies and drug, retailers
									5171	4581	Clothing and clothing accessories retailers
									5181	4582	Shoe retailers
									5191	4583	Jewelry, luggage, and leather goods retailers
									5276	45911, 45912	Sporting goods, and

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
											hobby, toy, and game retailers
									5281	45913	Sewing, needlework, and piece goods retailers
									5296	45914	Musical instrument and supplies retailers
									5371	45921	Book retailers and news dealers
									5471	4593	Florists
									5481	45941	Office supplies and stationery retailers
									5491	4595	Used merchandise retailers
									5571	45942	Gift, novelty, and souvenir retailers
									5581	4599	Other miscellaneous retailers
									5791	Part of 44, 45	Not specified retail trade

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
5670	4542	Vending machine operators	5670	4542	Vending machine operators	5670	4542	Vending machine operators	4973	44513	Convenience retailers and vending machine operators
5680	45431	Fuel dealers	5680	454310	Fuel dealers	5680	454310	Fuel dealers	5680	4572	Fuel dealers
5690	45439	Other direct selling establishments	5690	45439	Other direct selling establishments	5690	45439	Other direct selling establishments	4691	4413	Automotive parts, accessories, and tire retailers
									4771	4491	Furniture and home furnishings retailers
									4796	4492	Electronics and appliance retailers
									4871	4441 exc. 44414	Building material and supplies dealers, except hardware retailers
									4881	44414	Hardware retailers
									4891	4442	Lawn and garden equipment

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
											and supplies retailers
									4973	44513	Convenience retailers and vending machine operators
									4981	4452	Specialty food retailers
									4991	4453	Beer, wine, and liquor retailers
									5071	45611	Pharmacies and drug retailers
									5081	4561 exc. 45611	Health and personal care, except pharmacies and drug, retailers
									5171	4581	Clothing and clothing accessories retailers
									5181	4582	Shoe retailers
									5191	4583	Jewelry, luggage, and leather goods retailers
									5276	45911, 45912	Sporting goods, and

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
											hobby, toy, and game retailers
									5281	45913	Sewing, needlework, and piece goods retailers
									5296	45914	Musical instrument and supplies retailers
									5371	45921	Book retailers and news dealers
									5471	4593	Florists
									5481	45941	Office supplies and stationery retailers
									5491	4595	Used merchandise retailers
									5571	45942	Gift, novelty, and souvenir retailers
									5581	4599	Other miscellaneous retailers
									5791	Part of 44, 45	Not specified retail trade

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
5790	Part of 44, 45	Not specified retail trade	5790	Part of 44, 45	Not specified retail trade	5790	Part of 44, 45	Not specified retail trade	5791	Part of 44, 45	Not specified retail trade
6070	481	Air transportation	6070	481	Air transportation	6070	481	Air transportation	6070	481	Air transportation
6080	482	Rail transportation	6080	482	Rail transportation	6080	482	Rail transportation	6080	482	Rail transportation
6090	483	Water transportation	6090	483	Water transportation	6090	483	Water transportation	6090	483	Water transportation
6170	484	Truck transportation	6170	484	Truck transportation	6170	484	Truck transportation	6170	484	Truck transportation
6180	4851, 4852, 4854, 4855, 4859	Bus service and urban transit	6180	4851, 4852, 4854, 4855, 4859	Bus service and urban transit	6180	4851, 4852, 4854, 4855, 4859	Bus service and urban transit	6180	4851, 4852, 4854, 4855, 4859	Transit and ground passenger transportation, except taxi and limousine service
6190	4853	Taxi and limousine service	6190	4853	Taxi and limousine service	6190	4853	Taxi and limousine service	6190	4853	Taxi and limousine service
6270	486	Pipeline transportation	6270	486	Pipeline transportation	6270	486	Pipeline transportation	6270	486	Pipeline transportation
6280	487	Scenic and sightseeing transportation	6280	487	Scenic and sightseeing transportation	6280	487	Scenic and sightseeing transportation	6280	487	Scenic and sightseeing transportation
6290	488	Services incidental to transportation	6290	488	Services incidental to transportation	6290	488	Services incidental to transportation	6290	488	Support activities for transportation
6370	491	Postal Service	6370	491	Postal Service	6370	491	Postal Service	6370	491	Postal Service

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
6380	492	Couriers and messengers	6380	492	Couriers and messengers	6380	492	Couriers and messengers	6380	492	Couriers and messengers
6390	493	Warehousing and storage	6390	493	Warehousing and storage	6390	493	Warehousing and storage	6390	493	Warehousing and storage
6470	51111	Newspaper publishers	6470	51111	Newspaper publishers	6470	51111	Newspaper publishers	6471	51311	Newspaper publishers
6480	5111 exc. 51111	Periodical, book, and directory publishers	6480	5111 exc. 51111	Periodical, book, and directory publishers	6480	5111 exc. 51111	Periodical, book, and directory publishers	6481	5131 exc. 51311	Periodical, book, and directory and mailing list, and other publishers
6490	5112	Software publishers	6490	5112	Software publishers	6490	5112	Software publishers	6490	5132	Software publishers
6570	5121	Motion pictures and video industries	6570	5121	Motion pictures and video industries	6570	5121	Motion pictures and video industries	6570	5121	Motion pictures and video industries
6590	5122	Sound recording industries	6590	5122	Sound recording industries	6590	5122	Sound recording industries	6590	5122	Sound recording industries
6670	515	Radio and television broadcasting and cable subscription programming	6670	515	Radio and television broadcasting and cable subscription programming	6670	515	Broadcasting (except internet)	6671	516	Broadcasting and content providers
6672	51913	Internet publishing and broadcasting and web search portals	6672	51913	Internet publishing and broadcasting and web search portals	6672	51913	Internet publishing and broadcasting and web search portals	6471	51311	Newspaper publishers

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
									6481	5131 exc. 51311	Periodical, book, and directory and mailing list, and other publishers
									6671	516	Broadcasting and content providers
									6781	51929	Web search portals and all other information services
6680	5171	Wired telecommunications carriers	6680	5171	Wired telecommunications carriers	6680	517311	Wired telecommunications carriers	6680	517111	Wired telecommunications carriers
6690	517 exc. 5171	Other telecommunications services	6690	517 exc. 5171	Other telecommunications services	6690	517 exc. 517311	Telecommunications, except wired telecommunications carriers	6690	517 exc. 517111	Telecommunications, except wired telecommunications carriers
6695	5182	Data processing, hosting, and related services	6695	5182	Data processing, hosting, and related services	6695	5182	Data processing, hosting, and related services	6695	5182	Computing infrastructure providers, data processing, web hosting, and related services

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
6770	51912	Libraries and archives	6770	51912	Libraries and archives	6770	51912	Libraries and archives	6770	51921	Libraries and archives
6780	5191 exc. 51912, 51913	Other information services	6780	5191 exc. 51912, 51913	Other information services, except libraries and archives, and internet publishing and broadcasting and web search portals	6780	5191 exc. 51912, 51913	Other information services, except libraries and archives, and internet publishing and broadcasting and web search portals	6671	516	Broadcasting and content providers
									6781	51929	Web search portals and all other information services
6870	521, 52211, 52219	Banking and related activities	6870	521, 52211, 52219	Banking and related activities	6870	521, 52211, 52219	Banking and related activities	6871	521, 52211	Monetary authorities-central bank, and commercial banking
									6881	52213, 52218	Credit unions, and savings institutions and other depository credit intermediation

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
6880	52212, 52213	Savings institutions, including credit unions	6880	52212, 52213	Savings institutions, including credit unions	6880	52212, 52213	Savings institutions, including credit unions	6881	52213, 52218	Credit unions, and savings institutions and other depository credit intermediation
6890	5222, 5223	Non-depository credit and related activities	6890	5222, 5223	Nondepository credit and related activities	6890	5222, 5223	Nondepository credit and related activities	6890	5222, 5223	Nondepository credit intermediation and related activities
6970	523, 525	Securities, commodities, funds, trusts, and other financial investments	6970	523, 525	Securities, commodities, funds, trusts, and other financial investments	6970	523, 525	Securities, commodities, funds, trusts, and other financial investments	6970	523, 525	Securities, commodities, funds, trusts, and other financial investments
6990	524	Insurance carriers and related activities	6990	524	Insurance carriers and related activities	6991	5241	Insurance carriers	6991	5241	Insurance carriers
						6992	5242	Agencies, brokerages, and other insurance related activities	6992	5242	Agencies, brokerages, and other insurance related activities
7070	531	Real estate	7070	531	Real estate	7071	5311, 5312	Lessors of real estate, and	7071	5311, 5312	Lessors of real estate, and

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
								offices of real estate agents and brokers			offices of real estate agents and brokers
						7072	5313	Real estate property managers, offices of real estate appraisers, and other activities related to real estate	7072	5313	Activities related to real estate
7080	5321	Automotive equipment rental and leasing	7080	5321	Automotive equipment rental and leasing	7080	5321	Automotive equipment rental and leasing	7080	5321	Automotive equipment rental and leasing
7170	53223	Video tape and disk rental	7170	53223	Video tape and disk rental	7181	53221, 532281, 532282, 532283, 532284, 532289, 5323	Other consumer goods rental	7181	5322, 5323	Consumer goods rental, and general rental centers
7180	53221, 53222, 53229, 5323	Other consumer goods rental	7180	53221, 53222, 53229, 5323	Other consumer goods rental	7181	53221, 532281, 532282, 532283, 532284, 532289, 5323	Other consumer goods rental			

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
7190	5324, 533	Commercial, industrial, and other intangible assets rental and leasing	7190	5324, 533	Commercial, industrial, and other intangible assets rental and leasing	7190	5324, 533	Commercial, industrial, and other intangible assets rental and leasing	7190	5324, 533	Commercial and industrial machinery and equipment, and nonfinancial intangible assets rental and leasing
7270	5411	Legal services	7270	5411	Legal services	7270	5411	Legal services	7270	5411	Legal services
7280	5412	Accounting, tax preparation, bookkeeping, and payroll services	7280	5412	Accounting, tax preparation, bookkeeping, and payroll services	7280	5412	Accounting, tax preparation, bookkeeping, and payroll services	7280	5412	Accounting, tax preparation, bookkeeping, and payroll services
7290	5413	Architectural, engineering, and related services	7290	5413	Architectural, engineering, and related services	7290	5413	Architectural, engineering, and related services	7290	5413	Architectural, engineering, and related services
7370	5414	Specialized design services	7370	5414	Specialized design services	7370	5414	Specialized design services	7370	5414	Specialized design services
7380	5415	Computer systems design and related services	7380	5415	Computer systems design and related services	7380	5415	Computer systems design and related services	7380	5415	Computer systems design and related services
7390	5416	Management, scientific, and technical	7390	5416	Management, scientific, and technical	7390	5416	Management, scientific, and technical	7390	5416	Management, scientific, and technical

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
		consulting services			consulting services			consulting services			consulting services
7460	5417	Scientific research and development services	7460	5417	Scientific research and development services	7460	5417	Scientific research and development services	7460	5417	Scientific research and development services
7470	5418	Advertising and related services	7470	5418	Advertising, public relations, and related services	7470	5418	Advertising, public relations, and related services	7470	5418	Advertising, public relations, and related services
7480	54194	Veterinary services	7480	54194	Veterinary services	7480	54194	Veterinary services	7480	54194	Veterinary services
7490	5419 exc. 54194	Other professional, scientific, and technical services	7490	5419 exc. 54194	Other professional, scientific, and technical services	7490	5419 exc. 54194	Other professional, scientific, and technical services	7490	5419 exc. 54194	Other professional, scientific, and technical, except veterinary, services
7570	55	Management of companies and enterprises	7570	55	Management of companies and enterprises	7570	55	Management of companies and enterprises	7570	55	Management of companies and enterprises
7580	5613	Employment services	7580	5613	Employment services	7580	5613	Employment services	7580	5613	Employment services
7590	5614	Business support services	7590	5614	Business support services	7590	5614	Business support services	7590	5614	Business support services
7670	5615	Travel arrangements and	7670	5615	Travel arrangements and	7670	5615	Travel arrangements	7670	5615	Travel arrangements and

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
		reservation services			reservation services			and reservation services			reservation services
7680	5616	Investigation and security services	7680	5616	Investigation and security services	7680	5616	Investigation and security services	7680	5616	Investigation and security services
7690	5617 exc. 56173	Services to buildings and dwellings (except cleaning during construction and immediately after construction)	7690	5617 exc. 56173	Services to buildings and dwellings (except cleaning during construction and immediately after construction)	7690	5617 exc. 56173	Services to buildings and dwellings (except cleaning during construction and immediately after construction)	7690	5617 exc. 56173	Services to buildings and dwellings, except landscaping services
7770	56173	Landscaping services	7770	56173	Landscaping services	7770	56173	Landscaping services	7770	56173	Landscaping services
7780	5611, 5612, 5619	Other administrative and other support services	7780	5611, 5612, 5619	Other administrative and other support services	7780	5611, 5612, 5619	Other administrative and other support services	7780	5611, 5612, 5619	Other administrative and other support services
7790	562	Waste management and remediation services	7790	562	Waste management and remediation services	7790	562	Waste management and remediation services	7790	562	Waste management and remediation services
7860	6111	Elementary and secondary schools	7860	6111	Elementary and secondary schools	7860	6111	Elementary and secondary schools	7860	6111	Elementary and secondary schools

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
7870	6112, 6113	Colleges and universities, including junior colleges	7870	6112, 6113	Colleges, universities, and professional schools, including junior colleges	7870	6112, 6113	Colleges, universities, and professional schools, including junior colleges	7870	6112, 6113	Junior colleges, colleges, universities, and professional schools
7880	6114, 6115	Business, technical, and trade schools and training	7880	6114, 6115	Business, technical, and trade schools and training	7880	6114, 6115	Business, technical, and trade schools and training	7880	6114, 6115	Business, trade and technical schools, and computer and management training
7890	6116, 6117	Other schools and instruction, and educational support services	7890	6116, 6117	Other schools and instruction, and educational support services	7890	6116, 6117	Other schools and instruction, and educational support services	7890	6116, 6117	Other schools and instruction, and educational support services
7970	6211	Offices of physicians	7970	6211	Offices of physicians	7970	6211	Offices of physicians	7970	6211	Offices of physicians
7980	6212	Offices of dentists	7980	6212	Offices of dentists	7980	6212	Offices of dentists	7980	6212	Offices of dentists
7990	62131	Offices of chiropractors	7990	62131	Offices of chiropractors	7990	62131	Offices of chiropractors	7990	62131	Offices of chiropractors
8070	62132	Offices of optometrists	8070	62132	Offices of optometrists	8070	62132	Offices of optometrists	8070	62132	Offices of optometrists

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
8080	6213 exc. 62131, 62132	Offices of other health practitioners	8080	6213 exc. 62131, 62132	Offices of other health practitioners	8080	6213 exc. 62131, 62132	Offices of other health practitioners	8080	6213 exc. 62131, 62132	Offices of other health practitioners
8090	6214	Outpatient care centers	8090	6214	Outpatient care centers	8090	6214	Outpatient care centers	8090	6214	Outpatient care centers
8170	6216	Home health care services	8170	6216	Home health care services	8170	6216	Home health care services	8170	6216	Home health care services
8180	6215, 6219	Other health care services	8180	6215, 6219	Other health care services	8180	6215, 6219	Other health care services	8180	6215, 6219	Other health care services
8190	622	Hospitals	8190	622	Hospitals	8191	6221, 6223	General medical and surgical hospitals, and specialty (except psychiatric and substance abuse) hospitals	8191	6221, 6223	General medical and surgical hospitals, and specialty (except psychiatric and substance abuse) hospitals
						8192	6222	Psychiatric and substance abuse hospitals	8192	6222	Psychiatric and substance abuse hospitals
8270	6231	Nursing care facilities	8270	6231	Nursing care facilities (skilled nursing facilities)	8270	6231	Nursing care facilities (skilled nursing facilities)	8270	6231	Nursing care facilities (skilled nursing facilities)
8290	6232, 6233, 6239	Residential care facilities,	8290	6232, 6233, 6239	Residential care facilities,	8290	6232, 6233, 6239	Residential care facilities, except skilled	8290	6232, 6233, 6239	Residential care facilities, except skilled

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
		without nursing			except skilled nursing facilities			nursing facilities			nursing facilities
8370	6241	Individual and family services	8370	6241	Individual and family services	8370	6241	Individual and family services	8370	6241	Individual and family services
8380	6242	Community food and housing, and emergency services	8380	6242	Community food and housing, and emergency services	8380	6242	Community food and housing, and emergency services	8380	6242	Community food and housing, and emergency and other relief services
8390	6243	Vocational rehabilitation services	8390	6243	Vocational rehabilitation services	8390	6243	Vocational rehabilitation services	8390	6243	Vocational rehabilitation services
8470	6244	Child day care services	8470	6244	Child day care services	8470	6244	Child day care services	8470	6244	Child care services
8560	711	Independent artists, performing arts, spectator sports, and related industries	8560	711	Performing arts, spectator sports, and related industries	8561	7111	Performing arts companies	8561	7111	Performing arts companies
						8562	7112	Spectator sports	8562	7112	Spectator sports
						8563	7113, 7114	Promoters of performing arts, sports, and similar events, agents and managers	8563	7113, 7114	Promoters of performing arts, sports, and similar events, agents and managers

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
								for artists, athletes, entertainers, and other public figures			for artists, athletes, entertainers, and other public figures
						8564	7115	Independent artists, writers, and performers	8564	7115	Independent artists, writers, and performers
8570	712	Museums, art galleries, historical sites, and similar institutions	8570	712	Museums, art galleries, historical sites, and similar institutions	8570	712	Museums, art galleries, historical sites, and similar institutions	8570	712	Museums, historical sites, and similar institutions
8580	71395	Bowling centers	8580	71395	Bowling centers	8580	71395	Bowling centers	8580	71395	Bowling centers
8590	713 exc. 71395	Other amusement, gambling, and recreation industries	8590	713 exc. 71395	Other amusement, gambling, and recreation industries	8590	713 exc. 71395	Other amusement, gambling, and recreation industries	8590	713 exc. 71395	Other amusement, gambling, and recreation industries
8660	7211	Traveler accommodation	8660	7211	Traveler accommodation	8660	7211	Traveler accommodation	8660	7211	Traveler accommodation
8670	7212, 7213	Recreational vehicle parks and camps, and rooming and boarding houses	8670	7212, 7213	Recreational vehicle parks and camps, and rooming and boarding houses	8670	7212, 7213	Recreational vehicle parks and camps, and rooming and boarding houses, dormitories,	8670	7212, 7213	Recreational vehicle parks and camps, and rooming and boarding houses, dormitories,

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
								and workers' camps			and workers' camps
8680	722 exc. 7224	Restaurants and other food services	8680	722 exc. 7224	Restaurants and other food services	8680	722 exc. 7224	Restaurants and other food services	8680	722 exc. 7224	Food services and drinking places, except alcoholic beverages
8690	7224	Drinking places, alcoholic beverages	8690	7224	Drinking places, alcoholic beverages	8690	7224	Drinking places, alcoholic beverages	8690	7224	Drinking places (alcoholic beverages)
8770	8111 exc. 811192	Automotive repair and maintenance	8770	8111 exc. 811192	Automotive repair and maintenance	8770	8111 exc. 811192	Automotive repair and maintenance	8770	8111 exc. 811192	Automotive repair and maintenance, except car washes
8780	811192	Car washes	8780	811192	Car washes	8780	811192	Car washes	8780	811192	Car washes
8790	8112	Electronic and precision equipment repair and maintenance	8790	8112	Electronic and precision equipment repair and maintenance	8790	8112	Electronic and precision equipment repair and maintenance	8790	8112	Electronic and precision equipment repair and maintenance
8870	8113	Commercial and industrial machinery and equipment repair and maintenance	8870	8113	Commercial and industrial machinery and equipment repair and maintenance	8870	8113	Commercial and industrial machinery and equipment repair and maintenance	8870	8113	Commercial and industrial machinery and equipment repair and maintenance

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
8880	8114 exc. 81143	Personal and household goods repair and maintenance	8880	8114 exc. 81143	Personal and household goods repair and maintenance	8891	8114	Personal and household goods repair and maintenance	8891	8114	Personal and household goods repair and maintenance
8890	81143	Footwear and leather goods repair	8890	81143	Footwear and leather goods repair	8891	8114	Personal and household goods repair and maintenance			
8970	812111	Barber shops	8970	812111	Barber shops	8970	812111	Barber shops	8970	812111	Barber shops
8980	812112	Beauty salons	8980	812112	Beauty salons	8980	812112	Beauty salons	8980	812112	Beauty salons
8990	812113, 81219	Nail salons and other personal care services	8990	812113, 81219	Nail salons and other personal care services	8990	812113, 81219	Nail salons and other personal care services	8990	812113, 81219	Nail salons and other personal care services
9070	8123	Drycleaning and laundry services	9070	8123	Drycleaning and laundry services	9070	8123	Drycleaning and laundry services	9070	8123	Drycleaning and laundry services
9080	8122	Funeral homes, and cemeteries and crematories	9080	8122	Funeral homes, and cemeteries and crematories	9080	8122	Funeral homes, and cemeteries and crematories	9080	8122	Death care services
9090	8129	Other personal services	9090	8129	Other personal services	9090	8129	Other personal services	9090	8129	Other personal services
9160	8131	Religious organizations	9160	8131	Religious organizations	9160	8131	Religious organizations	9160	8131	Religious organizations
9170	8132, 8133, 8134	Civic, social, advocacy organizations,	9170	8132, 8133, 8134	Civic, social, advocacy organizations,	9170	8132, 8133, 8134	Civic, social, advocacy organizations,	9170	8132, 8133, 8134	Civic, social, advocacy organizations,

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
		and grantmaking and giving services			and grantmaking and giving services			and grantmaking and giving services			and grantmaking and giving services
9180	81393	Labor unions	9180	81393	Labor unions	9180	81393	Labor unions	9180	81393	Labor unions and similar labor organizations
9190	8139 exc. 81393	Business, professional, political, and similar organizations	9190	8139 exc. 81393	Business, professional, political, and similar organizations	9190	8139 exc. 81393	Business, professional, political, and similar organizations	9190	8139 exc. 81393	Business, professional, political, and similar organizations
9290	814	Private households	9290	814	Private households	9290	814	Private households	9290	814	Private households
9370	92111, 92112, 92114, pt. 92115	Executive offices and legislative bodies	9370	92111, 92112, 92114, pt. 92115	Executive offices and legislative bodies	9370	92111, 92112, 92114, pt. 92115	Executive offices and legislative bodies	9370	92111, 92112, 92114, pt. 92115	Executive offices and legislative bodies
9380	92113	Public finance activities	9380	92113	Public finance activities	9380	92113	Public finance activities	9380	92113	Public finance activities
9390	92119	Other general government and support	9390	92119	Other general government and support	9390	92119	Other general government and support	9390	92119	Other general government and support
9470	922, pt. 92115	Justice, public order, and safety activities	9470	922, pt. 92115	Justice, public order, and safety activities	9470	922, pt. 92115	Justice, public order, and safety activities	9470	922, pt. 92115	Justice, public order, and safety activities
9480	923	Administration of human resource programs	9480	923	Administration of human resource programs	9480	923	Administration of human resource programs	9480	923	Administration of human resource programs

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
9490	924, 925	Administration of environmental quality and housing programs	9490	924, 925	Administration of environmental quality and housing programs	9490	924, 925	Administration of environmental quality and housing programs	9490	924, 925	Administration of environmental quality, and housing programs, urban planning and community development
9570	926, 927	Administration of economic programs and space research	9570	926, 927	Administration of economic programs and space research	9570	926, 927	Administration of economic programs and space research	9570	926, 927	Administration of economic programs and space research and technology
9590	928	National security and international affairs	9590	928	National security and international affairs	9590	928	National security and international affairs	9590	92812, pt. 92811	National security and international affairs
9670	928110	U. S. Army	9670	928110	U. S. Army	9670	928110	U. S. Army	9670	pt. 92811	U. S. Army
9680	928110	U. S. Air Force	9680	928110	U. S. Air Force	9680	928110	U. S. Air Force	9680	pt. 92811	U. S. Air Force
9690	928110	U. S. Navy	9690	928110	U. S. Navy	9690	928110	U. S. Navy	9690	pt. 92811	U. S. Navy
9770	928110	U. S. Marines	9770	928110	U. S. Marines	9770	928110	U. S. Marines	9770	pt. 92811	U. S. Marines
9780	928110	U. S. Coast Guard	9780	928110	U. S. Coast Guard	9780	928110	U. S. Coast Guard	9780	pt. 92811	U. S. Coast Guard
9790	928110	Armed Forces, Branch not specified	9790	928110	Armed Forces, Branch not specified	9790	928110	Armed Forces, Branch not specified	9790	pt. 92811	Armed Forces, Branch not specified

2007			2012			2017			2022		
Ind. Code	NAICS Code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description	Ind. Code	NAICS code	Industry Description
9870	928110	Military Reserves or National Guard	9870	928110	Military Reserves or National Guard	9870	928110	Military Reserves or National Guard	9870	pt. 92811	Military Reserves or National Guard
9920		Unemployed, last worked 5 years ago or earlier or never worked	9920		Unemployed, last worked 5 years ago or earlier or never worked	9920		Unemployed, last worked 5 years ago or earlier or never worked	9920		Unemployed, last worked 5 years ago or earlier or never worked