

Appendix I

Abbreviations for Bureau of Census (BOC) Industry and Occupation Divisions

Industry Abbreviation	Description (BOC)
Ag/For/Fish	Agriculture/Forestry/Fisheries
Mining	Mining (includes oil and gas extraction)
Construction	Construction
Manufacturing	Manufacturing
Trans/Comm/PU	Transportation/Communications/Public Utilities
Wholesale Trade	Wholesale Trade
Retail Trade	Retail Trade
Finance/Insur/RE	Finance/Insurance/Real Estate
Services	Services
Public Admin	Public Administration

Occupation Abbreviation	Description (BOC)
Exec/Adm/Mgr	Executives/Administrators/Managers
Prof/Spec	Professional Specialties
Tech/Support	Technicians/Related Support
Sales	Sales
Clerical	Clerical
Service	Service
Farm/For/Fish	Farming/Forestry/Fishing
Crafts	Precision Production/Craft/Repair
Mach Operators	Machine Operators/Assemblers/Inspectors
Transport	Transportation/Material Movers
Laborers	Handlers/Equipment Cleaners/Helpers/Laborers

Appendix II

Detailed Bureau of the Census (BOC) Industry Groupings*

BOC Industry Codes [†]	Industry Description
010-011	Ag Production
012-030 (020-021)	Ag Services
031-032 (030-031)	Forestry & Fisheries
042	Oil and Gas Extraction
040-041, 050	Metal/Coal/Nonmetal Mining
060	Construction
100-122	Food & Kindred Prod MFG
132-150	Textile Mill Prod MFG
151-152	Apparel & Other Textile Pr MFG
160-162	Paper & Allied Products MFG
171-172	Printing/Publishing/Allied MFG
180-192, 200-201, 210-212	Chemical/Petroleum/Rubber MFG
230-241	Lumber & Wood MFG
242	Furniture MFG
250-262	Stone/Clay/Concrete MFG
270-280	Primary Metals MFG
281-300	Fabricated Metals MFG
301	NS Metal Ind
310-332	Mach, Ex Elect MFG
340-350	Elect Mach, Equip Supplies MFG
351	Motor Vehicles Equip
352	Aircraft & Parts MFG
360-370	Other Transport Equip MFG
371-381	Prof & Photo Equip/Watches MFG
390	Toys/Amusement/Sporting Goods
130, 220-222, 391-392	Misc & NEC MFG Industries
410-411	Trucking/Warehousing/Storage
400-402, 412-432	Other Transportation
441	Telephone Communications
440, 442	Other Communications
450 (460)	Electric Light and Power
451-472 (461-472)	Other Utility/Sanitary Service
500-571	Wholesale Trade
601-611	Food Stores
612-622	Motor Veh/Auto Supply Dealer
623-630 (630-631)	Apparel & Accessory Stores
641	Eating & Drinking Places

Detailed Bureau of the Census (BOC) Industry Groupings (cont'd)*

BOC Industry Codes†	Industry Description
580-600, 631-640, 642-691 (580-600, 632-640, 642-691)	Other Retail Trade
700-710	Banking and Other Finance
711-712	Insurance and Real Estate
761	Private Household Services
721-741 (721-742)	Business Services
742-760 (750-760)	Automobile and Repair Services
762-791	Pers Serv Exc Priv Household
800-810 (800-802)	Entertainment & Rec Services
831	Hospitals
812-830, 832-840	Health Services, Exc Hosp
842-860	Educational Services
841, 861-893 (861-892)	Other Professional Services
910	Justice, Pub Order, & Safety
922	Admin of Hum Res Programs
932	National Sec/Internal Affairs
900-901, 921, 930-931	Other Pub Admin

*1980 and 1990 Bureau of the Census Alphabetical Index.

†Code groupings were, for the most part, identical for the 1980 and 1990 BOC industry codes. Where differences do occur, the 1980 code groupings are provided in parentheses.

Appendix III

Detailed Bureau of the Census (BOC) Occupation Groupings*

BOC Occupation Codes [†]	Occupation Description
003-006	Officials & Administrators, Public Admin
007-022 (007-019)	Other Executive, Admin & Managerial
023-037	Management Related Occupations
043-063	Engineers
064-068	Mathematical and Computer Scientists
069-083	Natural Scientists
084-089	Health Diagnosing Occupations
095-106	Health Assessment and Treatment Occupations
113-154	Teachers, College and University
155-159	Teachers, Except College and University
178-179	Lawyers and Judges
163-177, 183-199	Other Professional Specialty Occupations
203-208	Health Technologists and Technicians
213-225	Engineering and Science Technicians
226-235	Technicians, Exc Health/Engineering/Science
243	Supervisors and Proprietors, Sales Occ
253-257	Sales Reps, Finance and Business Services
258-259	Sales Reps, Commodities, Except Retail
263-278	Sales Workers, Retail & Personal Services
283-285	Sales Related Occupations
303-307	Supervisors, Administrative Support
308-309	Computer Equipment Operators
313-315	Secretaries, Stenographers, and Typists
337-344	Financial Records Processing
354-357	Mail and Message Distribution
316-336, 345-353, 359-389	Other Admin. Support, Including Clerical
403-407	Private Household Service Occupations
413-427	Protective Service
433-444	Food Service
445-447	Health Service
448-455	Cleaning and Building Service
456-469	Personal Service
473-476	Farm Operators and Managers
477-489	Farm Workers and Related Occupations
494-499	Forestry and Fishing Occupations
503-549	Mechanics and Repairers
553-599	Construction Trades
613-699	Other Precision Production, Craft, and Repair

Detailed Bureau of the Census (BOC) Occupation Groupings (cont'd)*

BOC Occupation Codes[†]	Occupation Description
703-779	Machine Operators/Tenders, Except Precision
783-799	Fabricators, Assemblers, Inspectors, Samplers
803-814	Motor Vehicle Operators
823-859	Other Transport and Material Moving Occ
869	Construction Laborers
875-883	Freight, Stock, & Materials Handlers
864-868, 874, 885-889 (863-867, 873, 885-889)	Other Handlers, Equip. Cleaner, Helper, Laborer

*1980 and 1990 Bureau of the Census Alphabetical Index.

[†]Code groupings were, for the most part, identical for the 1980 and 1990 BOC occupation codes. Where differences do occur, the 1980 code groupings are provided in parentheses.

Appendix IV

ICD-9* E-code Rubrics for Cause of Death Categories

Category	ICD-9 Rubric
Rail Transport	E800-E807
Motor Vehicle	E810-E829, E846-E849
Water Transport	E830-E838
Air Transport	E840-E845
Poisoning	E850-E858, E860-E869
Falls	E880-E888
Fires	E890-E899
Nature/Environment	E900-E909, E928
Drowning	E910
Suffocation	E911-E913
Struck By Falling Object	E916
Flying Object/Caught In Machine	E917, E918 E919
Explosion	E921, E923
Electrocution	E925
Suicide	E950-E959
Homicide	E960-E969
Other	E870-E879, E914, E915, E920, E922, E924, E926, E927, E929, E930-E949, E970-E978, E990-E999
Unknown/Undetermined	E980-E989, Blank

*International Classification of Diseases, Ninth Revision.

Appendix V

Operational Guidelines for Determination of Injury at Work

Operational Guidelines For Determination Of Injury At Work

1. Complete the injury at work item if any other than natural cause of death is mentioned in Part I or Part II of the medical certification, including homicides, suicides, and accidents, including motor vehicle deaths.
2. The injury at work item must be completed for decedents ages 14 or over and may be completed for those less than 14 years of age if warranted. Consider possibility of work injury regardless of whether injury occurred in the course of work in “usual” or other occupation and/or industry. If decedent’s “usual” occupation is housewife, student, or retired consider possible injury during other employment. If occupation is transportation-related, suspect injury at work and evaluate per criteria.
3. Consider available information with regard to location and activity at time of injury. If location is farm, suspect work-related and evaluate per criteria.

CRITERIA	INJURY AT WORK	
<i>On Employer Premises</i>	Yes	No
• Engaged in work activity, apprentice, vocational training	✓	
• On break, in hallways, rest room, cafeteria, storage area	✓	
• In employer parking lots while working, arriving, or leaving	✓	
• Engaged in recreational activities on employer controlled facilities (games, etc.) for personal enjoyment		✓
• As a visitor for non-work purposes, not on official business		✓
<i>Off Employer Premises</i>		
• Working for pay or compensation, including at home	✓	
• Working as a volunteer EMS, firefighter, or law enforcement officer	✓	
• Working in a family business, including family farm. Activity should be clearly related to a profit-oriented business.	✓	
• Traveling on business, including to and from customer/business contacts	✓	
• Engaged in work activity where vehicle is considered the work environment (e.g., taxi driver, truck driver, etc.)	✓	
• Homemaker working at homemaking activities		✓
• Working for self—non profit, i.e., mowing lawn, repairing own roof, hobby, or recreation activities		✓
• Student engaged in school activities		✓
• Operating vehicle (personal or commercial) for non-work purposes		✓
• Commuting to or from work site		✓

These guidelines were developed jointly by: The Association for Vital Records and Health Statistics (AVRHS), the National Institute for Occupational Safety and Health (NIOSH), the National Center for Health Statistics, (NCHS), and the National Center for Environmental Health and Injury Control (NCEHIC).

PUBLISHED AND DISTRIBUTED BY AVRHS

March 30, 1992

For questions contact your State Vital Statistics Office

Appendix VI

Additional Readings

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