

Supplementary Table 1. Occupational Groups for Occupations with One or More Decedents (North Carolina, 1992-2017)

Occupational Group	Specific Occupation
Managerial & Professional Specialty	Accountants and auditors Actors, directors, producers Agricultural and food scientists Architects Athletes, sports instructors, and officials Buyers, wholesale and retail trade Chemical engineers Chief executives and public administrators Civil engineers Clergy and religious workers Computer systems analysts and computer scientists Construction inspectors Financial managers Geologists Inspectors and compliance officers, outside construction Managers and administrators, not elsewhere classified Managers of food-serving and lodging establishments Managers of medicine and health occupations Managers of properties and real estate Mechanical engineers Musician or composer Not-elsewhere-classified engineers Operations and systems researchers and analysts Physical therapists Physicians Primary school teachers Registered nurses Social workers Subject instructors (HS/college) Urban and regional planners Vocational and educational counselors
Technicians & Related Support	Airplane pilots and navigators Biological technicians Drafters Engineering technicians, not elsewhere classified Health technologists and technicians, not elsewhere classified Surveyors, cartographers, mapping scientists and technicians
Sales and Administrative Support	Cashiers Customer service reps, investigators and adjusters, except insurance Door-to-door sales, street sales, and news vendors Financial services sales occupations General office clerks Mail carriers for postal service

	Material recording, scheduling, production, planning, and expediting clerks Messengers Meter readers Office supervisors Postal clerks, excluding mail carriers Real estate sales occupations Retail sales clerks Sales engineers Salespersons, not elsewhere classified Secretaries Shipping and receiving clerks Stock and inventory clerks Supervisors and proprietors of sales jobs Transportation ticket and reservation agents
Private Household & Building Services	
	Elevator operators Housekeepers, maids, butlers, stewards, and lodging quarters cleaners Janitors Pest control occupations Supervisors of cleaning and building service
Protective Services	
	Crossing guards and bridge tenders Fire fighting, prevention, and inspection Guards, watchmen, doorkeepers Other law enforcement: sheriffs, bailiffs, correctional institution officers Police, detectives, and private investigators Protective services, not elsewhere classified
Food Preparation and Service	
	Cooks, variously defined Waiter/waitress
Health Services	
Other Services	Nursing aides, orderlies, and attendants
	Barbers Child care workers Guides Personal service occupations, not elsewhere classified Public transportation attendants and inspectors Recreation facility attendants Welfare service aides
Farm Worker	
	Farm managers, except for horticultural farms Farm workers Farmers (owners and tenants)
Other Agricultural	
	Animal caretakers except on farms Gardeners and groundskeepers Inspectors of agricultural products Supervisors of agricultural occupations
Forestry and Logging	
Fishing, Hunting & Trapping	Timber, logging, and forestry workers

Auto Mechanic/Repairer	Fishers, hunters, and kindred Auto body repairers Automobile mechanics Bus, truck, and stationary engine mechanics
Nonauto Machinery Mechanic/Repairer	Aircraft mechanics Heavy equipment and farm equipment mechanics Industrial machinery repairers Machinery maintenance occupations
Other Mechanic/Repairer	Elevator installers and repairers Mechanics and repairers, not elsewhere classified Repairers of data processing equipment Repairers of electrical equipment, not elsewhere classified Repairers of household appliances and power tools Repairers of industrial electrical equipment Supervisors of mechanics and repairers
Construction	Carpenters Concrete and cement workers Construction laborers Construction trades, not elsewhere classified Drillers of earth Drywall installers Electric power installers and repairers Electricians Heating, air conditioning, and refrigeration mechanics Helpers, surveyors Insulation workers Masons, tilers, and carpet installers Painters, construction and maintenance Paving, surfacing, and tamping equipment operators Plasterers Plumbers, pipe fitters, and steamfitters Roofers and slaters Sheet metal duct installers Structural metal workers Supervisors of construction work Telecom and line installers and repairers
Extractive	Miners Other mining occupations
Precision Metalworking	Machinists Production supervisors or foremen Tool and die makers and die setters
Other Precision Production	Butchers and meat cutters Dressmakers and seamstresses Hand molders and shapers, except jewelers Plant and system operators, stationary engineers Water and sewage treatment plant operators
Woodworking Machine Operator	Nail and tacking machine operators (woodworking)

	Sawing machine operators and sawyers Wood lathe, routing, and planing machine operators
Textile Machine Operator	Knitters, loopers, and toppers textile operatives Misc textile machine operators Pressing machine operators (clothing) Textile sewing machine operators Winding and twisting textile/apparel operatives
Other Machine Operator	Assemblers of electrical equipment Extruding and forming machine operators Forge and hammer operators Furnace, kiln, and oven operators, apart from food Graders and sorters in manufacturing Machine operators, not elsewhere classified Mixing and blending machine operatives Molders, and casting machine operators Packers, fillers, and wrappers Painting machine operators Paper folding machine operators Separating, filtering, and clarifying machine operators Slicing and cutting machine operators Washing, cleaning, and pickling machine operators Welders and metal cutters
Motor Vehicle Transport	Bus drivers Supervisors of motor vehicle transportation Taxi cab drivers and chauffeurs Truck, delivery, and tractor drivers
Rail Transport	Locomotive operators (engineers and firemen) Railroad brake, coupler, and switch operators Railroad conductors and yardmasters
Water Transport	Ship crews and marine engineers Water transport infrastructure tenders and crossing guards
Other Material Moving Equipment Operator	Crane, derrick, winch, and hoist operators Operating engineers of construction equipment
Material Moving Equipment (Nontruck)	Excavating and loading machine operators
Material Handlers, Helpers, and Laborers	Freight, stock, and materials handlers Garage and service station related occupations Garbage and recyclable material collectors Laborers outside construction Machine feeders and offbearers Materials movers: stevedores and longshore workers Vehicle washers and equipment cleaners

Supplementary Table 2. Industry Groups for Industries with One or More Decedents (North Carolina, 1992-2017)

Industry Group	Specific Industry
Agriculture	Agricultural production, crops Agricultural production, livestock
Agricultural Services	Landscape and horticultural services
Fishing, Hunting & Trapping	Fishing, hunting, and trapping
Mining & Oil	Coal mining Nonmetallic mining and quarrying, except fuels Oil and gas extraction
Construction	All construction
Food & Kindred Products- Manufacturing	Bakery products Beverage industries Canned, frozen, and preserved fruits and vegetables Dairy products Food industries, not specified Grain mill products Meat products Misc. food preparations and kindred products
Tobacco Manufactures	Tobacco manufactures
Textile Mill Products- Manufacturing	Carpets and rugs Knitting mills Yarn, thread, and fabric mills
Apparel & Finished Textile Product- Manufacturing	Apparel and accessories, except knit
Paper & Allied Products- Manufacturing	Paperboard containers and boxes Pulp, paper, and paperboard mills
Printing & Publishing	Newspaper publishing and printing Printing, publishing, and allied industries, except newspapers
Chemicals & Petroleum Products- Manufacturing	Agricultural chemicals Drugs Industrial and miscellaneous chemicals Paints, varnishes, and related products Petroleum refining Plastics, synthetics, and resins Soaps and cosmetics
Rubber, Leather & Miscellaneous Plastic Products- Manufacturing	Leather products, except footwear

	Miscellaneous plastics products Other rubber products, and plastics footwear and belting Tires and inner tubes
Forestry & Logging- Manufacturing	Forestry Logging
Sawmills, Planing & Miscellaneous Wood Products- Manufacturing	Sawmills, planing mills, and millwork
Wood Buildings & Mobile Homes- Manufacturing	Wood buildings and mobile homes
Furniture & Fixtures- Manufacturing	Furniture and fixtures
Stone, Clay, Glass & Concrete Products -Manufacturing	Cement, concrete, gypsum, and plaster products Glass and glass products Misc. nonmetallic mineral and stone products Pottery and related products Structural clay products
Primary Metal- Manufacturing	Blast furnaces, steelworks, rolling and finishing mills Iron and steel foundries Other primary metal industries Primary aluminum industries
Fabricated Metal Products- Manufacturing	Fabricated structural metal products Metal industries, not specified Miscellaneous fabricated metal products
Machinery & Transport Equipment- Manufacturing	Engines and turbines Machinery, except electrical, not elsewhere classified Machinery, not specified Metalworking machinery Motor vehicles and motor vehicle equipment
Computer, Medical, Etc. Equipment- Manufacturing	Computers and related equipment Electrical machinery, equipment, and supplies, not elsewhere classified
Miscellaneous- Manufacturing	Manufacturing industries, not specified Miscellaneous manufacturing industries Toys, amusement, and sporting goods
Transport- Railroad, Water, Air	Air transportation Railroads Water transportation
Transport- Taxi	Taxicab service
Transport- Bus, Trolley, Truck	Bus service and urban transit Trucking service

Warehouse Storage & Transport Services

Services incidental to transportation
Warehousing and storage

Radio, TV, Phone & Miscellaneous Communications

Radio and television broadcasting and cable
Telephone communications

Electric, Gas Pipelines & Nonspecialized Utilities

Electric light and power
Gas and steam supply systems
Utilities, not specified

Water Supply & Sanitation Utilities

Sanitary services
Water supply and irrigation

Wholesale Trade

Alcoholic beverages
Apparel, fabrics, and notions
Drugs, chemicals, and allied products
Farm supplies
Farm-product raw materials
Furniture and home furnishings
Groceries and related products
Hardware, plumbing and heating supplies
Lumber and construction materials
Machinery, equipment, and supplies
Miscellaneous wholesale, durable goods
Motor vehicles and equipment
Petroleum products
Professional and commercial equipment and supplies
Scrap and waste materials

General Retail Trade

Auto and home supply stores
Department stores
Direct selling establishments
Fuel dealers
Furniture and home furnishings stores
Hardware stores
Household appliance stores
Liquor stores
Lumber and building material retailing
Miscellaneous general merchandise stores
Miscellaneous retail stores
Miscellaneous vehicle dealers
Retail nurseries and garden stores
Retail trade, not specified
Sporting goods, bicycles, and hobby stores
Vending machine operators

Grocery, Dairy & Food Stores - Retail

Food stores, not elsewhere classified
Grocery stores

Auto Sales & Services- Retail & Repair

Automotive repair and related services
Motor vehicle dealers

Gasoline Service Stations- Retail

Eating & Drinking Places- Retail

Gasoline service stations

Finance, Insurance & Real Estate

Eating and drinking places

Banking
Credit agencies, not elsewhere classified
Real estate, including real estate-insurance offices
Savings institutions, including credit unions
Security, commodity brokerage, and investment companies

Business & Repair Services

Advertising
Automobile parking and carwashes
Automotive rental and leasing, without drivers
Business services, not elsewhere classified
Computer and data processing services
Miscellaneous repair services
Services to dwellings and other buildings

Personnel Supply Services

Personnel supply services

Detective & Protective Services

Detective and protective services

Personal Services

Barber shops
Funeral service and crematories
Laundry, cleaning, and garment services
Miscellaneous personal services
Private households

Lodging Services

Hotels and motels
Lodging places, except hotels and motels

Entertainment & Recreation Services

Miscellaneous entertainment and recreation services
Theaters and motion pictures

Professional & Related Services

Child day care services
Colleges and universities
Elementary and secondary schools
Engineering, architectural, and surveying services
Health services, not elsewhere classified
Hospitals
Job training and vocational rehabilitation services
Management and public relations services
Membership organizations, not elsewhere classified
Miscellaneous professional and related services
Museums, art galleries, and zoos
Nursing and personal care facilities
Offices and clinics of physicians
Religious organizations
Research, development, and testing services
Social services, not elsewhere classified

Public Administration

Administration of economic programs
Administration of environmental quality and housing programs
Administration of human resources programs

Justice, Public Order, & Safety

National security and international affairs
Public Administration
U.S. Postal Service

Justice, public order, and safety

Supplementary Table 3. Workforce Demographic Distribution (North Carolina, 1992-2017)

	1992 Workforce N (%)*	2017 Workforce N (%)*	1992-2017 Workforce Change (%)†
Overall	3285707	5396669	64
Sex			
Male	1734078 (52.78)	2887972 (53.51)	67
Female	1551629 (47.22)	2508697 (46.49)	62
Race/Ethnicity			
Hispanic	37854 (1.15)	305741 (5.67)	708
NH [§] White	2562422 (77.99)	3751626 (69.52)	46
NH Black	607312 (18.48)	1023014 (18.96)	68
Class			
Self employed	318769 (9.70)	568312 (10.53)	78
Privately employed	2481211 (75.52)	4057329 (75.18)	64
Government employed	485727 (14.78)	771028 (14.29)	59
Age Group			
18-24	462644 (14.08)	635789 (11.78)	37
25-34	912293 (27.77)	1148032 (21.27)	26
35-44	867613 (26.41)	1424213 (26.39)	64
45-54	606557 (18.46)	1377958 (25.53)	127
55-64	332534 (10.12)	594223 (11.01)	79
65-74	87545 (2.66)	168275 (3.12)	92
75+	16521 (0.50)	48179 (0.89)	192

*Estimated workforce based on interpolation and extrapolation from the 1990, 2000, and 2010 decennial US censuses

†Percent change in estimated workforce between 1992 and 2017

§non-Hispanic

Supplementary Table 4. Means of Unintentional Occupational Fatal Injury (North Carolina, 1992-2017)

Means of Fatal Injury	N (%)
Motor Vehicle (MV)	883 (33.38)
Fall/Jump	455 (17.20)
Machinery	403 (15.24)
Blunt	337 (12.74)
Electrocution	132 (4.99)
Transportation, not MV	77 (2.91)
Drowning	72 (2.72)
Asphyxia	67 (2.53)
Fire/Burns	51 (1.93)
Poisoning	42 (1.59)
Explosion	39 (1.47)
Environmental	33 (1.25)
Other	32 (1.21)
Animals	11 (0.42)
Sharp	6 (0.23)
Gun	4 (0.15)
Hanging	1 (0.04)

Supplementary Table 5. Change in Fatal Injury Rate Between 2004, 2009, and 2017 within Select Industries and Occupations (North Carolina, 1992-2017)

	2004 Rate*	2009 Rate*	2017 Rate*
Industry			
Forestry and Logging	95.25	24.35	49.94
Bus, Trolley, and Truck Transport	14.53	6.50	11.92
Construction	11.70	5.01	6.28
Occupation			
Forestry and Logging	109.02	23.47	37.60
Motor Vehicle Transport	14.90	6.57	11.80
Construction	10.78	4.65	6.32

*Fatal injuries/100,000 person-years

Supplementary Table 6. Change in Fatal Injury Rate Between 2004, 2009, and 2017 within Race/Ethnicity Groups (North Carolina, 1992-2017)

Race/Ethnicity	2004 Rate*	2009 Rate*	2017 Rate*
Hispanic	12.83	4.12	5.56
Non-Hispanic White	2.98	1.44	1.71
Non-Hispanic Black	2.70	1.31	2.15

*Fatal injuries/100,000 person-years