

SPSS Data Dictionary for MSHA Accident/Injury/Illness Files

Variable Information

Variable	Position	Label	Measurement Level	Role	Column Width	Alignment	Print Format	Write Format	Missing Values
mineid	1	Mine ID: MSHA Mine ID assigned to a mining operation	Nominal	Input	9	Left	A7	A7	
contract	2	Contractor: MSHA Contractor code assigned to an independent contractor	Nominal	Input	10	Left	A7	A7	""
subunit	3	Subunit Operations Code. Circled on Form 7000-1, Section C under 5(a). If under 5(b), 01 is entered	Nominal	Input	9	Right	F2	F2	
month	4	Month of Accident: Month code for the month of the accident. Form 7000-1, Item 6	Nominal	Input	7	Right	F2	F2	
day	5	Day of Accident: Day of month of the accident. Form 7000-1, Item 6	Scale	Input	5	Right	F2	F2	
time	6	Time of Accident: 2400 military time. Form 7000-1, item 7	Scale	Input	6	Right	F4	F4	2401 through 9999
inspoff	7	Inspection Office: Code for MSHA Field office exercising jurisdiction over this mining operation	Nominal	Input	9	Right	F4	F4	0
state	8	State Code: FIPS code for state in which mine is located	Nominal	Input	7	Right	F2	F2	
county	9	County Code: FIPS code for county in which mine is located	Nominal	Input	8	Right	F3	F3	
sic	10	SIC: Standard Industrial Classification for primary commodity mined	Nominal	Input	7	Right	F5	F5	
canvass	11	Canvass or Class: Designated a general product class based on SIC code. Internally generated by IEIO	Nominal	Input	9	Right	F1	F1	
uloc	12	Underground Location: Code for underground mining location. Form 7000-1, item 5 (b)	Nominal	Input	6	Right	F2	F2	
umeth	13	Underground Mining Method: Code for underground mining method. Form 7000-1, item 5 (c)	Nominal	Input	7	Right	F2	F2	0
tradnm	14	Trade Name of Equipment: Code for manufacturer of equipment involved in this accident. Form 7000-1, item 10)	Scale	Input	8	Right	F3	F3	0
minemach	15	Mining Machine: Code for type of mining machine involved in this accident. Form 7000-1, item 10 - type	Scale	Input	10	Right	F2	F2	0
modnum	16	Equipment Model Number: Equipment model number as reported on form 7000-1, item 10 - Model Number	Nominal	Input	13	Left	A11	A11	
shift	17	Shift Time: Time shift started. Form 7000-1, item 8. 2400 military time	Scale	Input	7	Right	F4	F4	2401 through 9999
aii	18	Accident Injury Illness: Classification of accident or illness. Coded from narrative and item 23 on form 7000-1	Scale	Input	5	Right	F2	F2	
atype	19	Accident Type: Coded from information on Form 7000-1	Scale	Input	7	Right	F2	F2	
injrep	20	Injuries Reported: Number of reportable injuries or illnesses resulting from this accident. Coded from information on form 7000-1, item 12	Nominal	Input	8	Right	F3	F3	
docnum	21	Document Number: Internal control number stamped on document	Scale	Input	14	Right	F12	F12	0

Variables in the working file

sex	22	Sex: Code for sex of person injured. Form 7000-1, item 14	Nominal	Input	5	Right	F1	F1	3
age	23	Age: Generated from birthdate	Scale	Input	5	Right	F2	F2	0
ywtotal	24	Total Mine Experience (YYWW): Total mining experience of person in years and weeks. Form 7000-1, item 27	Scale	Input	9	Right	F4	F4	0
ywmine	25	Total Experience this Mine (YYWW): Total experience at this mine of person injured in years and weeks. Form 7000-1, item 26	Scale	Input	8	Right	F4	F4	0
ywjob	26	Regular job experience (YYWW): Work experience of regular job title in years and weeks. Form 7000-1, item 25	Scale	Input	7	Right	F4	F4	0
occup	27	Occupation: Occupation of the accident victim's regular job title. Form 7000-1, item 17 -- Beginning 2013	Scale	Input	7	Right	F3	F3	
mwactiv	28	Mine Worker Activity: Specific activity at time of injury. Form 7000-1, item 24	Scale	Input	9	Right	F3	F3	
sourcinj	29	Source of Injury: Coded from 7000-1 item 20	Scale	Input	10	Right	F3	F3	
natinj	30	Nature of Injury: Coded from 7000-1 item 21	Scale	Input	8	Right	F3	F3	
partbody	31	Part of Body: Coded from 7000-1 item 22	Scale	Input	10	Right	F3	F3	
deginj	32	Degree of Injury: Code for degree of injury from items 18 19 30 31 on form 7000-1	Nominal	Input	8	Right	F2	F2	
daysstat	33	Days Away from Work: Statutory days lost	Scale	Input	10	Right	F4	F4	
daysrest	34	Restricted work activity: Days of restricted work activity from this accident or illness. Form 7000-1 item 31	Scale	Input	10	Right	F4	F4	
dayslost	35	Days Lost From Work: Actual days lost from work. Form 7000-1 item 30	Scale	Input	10	Right	F4	F4	999
permtort	36	Permanently transferred or terminated. Form 7000-1, item 28	Nominal	Input	10	Right	F1	F1	
retwork	37	Date Returned to Work (YYYYMMDD). Form 7000-1, item 29	Scale	Input	10	Right	F8	F8	0
ccidn	38	Close Case Injury Document Number: Document number for report of injured person returning to work	Scale	Input	14	Right	F12	F12	0
acccode	39	MSHA accident code: MSHA accident code from item 1 on form 7000-1	Nominal	Input	9	Right	F2	F2	
invstart	40	Date Investigation Started (YYYYMMDD): Form 7000-1, item 2	Scale	Input	10	Right	F8	F8	
upaddyr	41	Update Addition Year: Update addition cycle year	Nominal	Input	9	Right	F4	F4	
upaddno	42	Update Addition Number: Update addition cycle number	Nominal	Input	9	Right	F3	F3	
upchngyr	43	Update Change Year: Update change cycle year	Nominal	Input	10	Right	F4	F4	
upchngno	44	Update Change Number: Update change cycle number	Nominal	Input	10	Right	F3	F3	
narrcm	45	M/NM or Coal indicator (narrative file)	Nominal	Input	8	Left	A1	A1	
compcode	46	Completion Code: Narrative complete, truncated, or missing	Nominal	Input	10	Right	F1	F1	
narrtxt1	47	Narrative (first 250 characters)	Nominal	Input	26	Left	A250	A250	
narrtxt2	48	Narrative (last 134 characters)	Nominal	Input	26	Left	A134	A134	
timesnce	49	Time (in hours) since beginning of shift (computed)	Scale	Input	10	Right	F7.4	F7.4	
exptotal	50	Total Mining Experience (years-computed)	Scale	Input	10	Right	F8.2	F8.2	

Variables in the working file

expmine	51	Experience at this Mine (years-computed)	Scale	Input	10	Right	F8.2	F8.2	
expjob	52	Experience in this Job Title (years-computed)	Scale	Input	10	Right	F8.2	F8.2	
year	53	Calendar year of data file (computed)	Scale	Input	10	Right	F4	F4	
injtype	54	Occupational Injury Type (recoded)	Nominal	Input	10	Right	F1	F1	
daystotl	55	Lost Work Days based on statutory, actual, and restricted (computed)	Scale	Input	10	Right	F5	F5	
coalmetl	56	Coal/Metal-nonmetal-stone-s&g identifier (computed)	Nominal	Input	10	Left	A1	A1	
opercont	57	Operator/Contractor identifier (computed)	Nominal	Input	10	Left	A1	A1	
district	58	MSHA District Office: Code for MSHA district exercising jurisdiction over this mining operation (recoded)	Nominal	Input	10	Left	A3	A3	""
commod	59	Commodity based on CANVASS (recoded)	Nominal	Input	10	Right	F1	F1	

Variables in the working file

Variable Values

Value	Label	
mineid	000000	Contractor
subunit	1	Underground operations:All underground operations below surface of ground.Excavations beneath roof.Hoisting to surface.
	2	Surface at Underground: Includes surface shops and yards, tippel physically located at the mine site
	3	Surface: Strip or open pit mines including associated shops and yards
	4	Auger: Auger mining operations for coal mines only
	5	Culm Banks: Reworking of mine dumps or refuse pile. For coal mines only
	6	Dredge: Mining operations conducted from a platform floating on water
	12	Other Surface: Brine pumping, etc. For metal/nonmetal only
	17	Independent shops and yards: Shops and yards not associated with one specific mine. Will have an individual mine-id
	30	Mill or preparation plant:Mill prep plant or breaker operations assoc. with one specific mine.Includes assoc shops&yards
	99	Office: Professional or clerical workers at the plant or mine
month	1	January
	2	February
	3	March
	4	April
	5	May
	6	June
	7	July
	8	August
	9	September
	10	October
	11	November
	12	December
time	1	12:01am
	600	6:00am
	700	7:00am
	800	8:00am
	1200	12:00 noon
	1500	3:00pm
	1600	4:00pm
	2300	11:00pm
	2400	12:00 midnight
	inspoff	100
102		Pottsville, PA (inactive)
103		Shamokin, PA (inactive)
200		Coal Dist 2- New Stanton, PA
201		Ruff Creek, PA
202		Kittanning, PA

203	Washington, PA (inactive)
204	Johnstown, PA
205	Indiana, PA
206	Clearfield, PA
207	Carrolltown, PA (inactive)
208	Frackville, PA (100-103 prior to 2013)
211	Monroeville, PA (inactive)
212	Waynesburg, PA (inactive)
213	Kittanning, PA (inactive)
214	Washington, PA (inactive)
221	Johnstown, PA (inactive)
222	Indiana, PA (inactive)
223	Clearfield, PA (inactive)
224	Carrolltown, PA (inactive)
300	Coal Dist 3-Morgantown, WV
301	Morgantown, WV
302	Fairmont, WV (inactive)
303	Bridgeport, WV
304	McHenry, MD
305	St. Clairsville, OH
306	Cadiz, OH (inactive)
307	New Lexington, OH (inactive)
308	Wellston, OH (inactive)
311	Morgantown, WV (inactive)
312	Fairmont, WV (inactive)
313	Clarksburg, WV (inactive)
315	Oakland, MD (inactive)
316	Elkins, WV (inactive)
321	St. Clairsville, OH (inactive)
322	Cadiz, OH (inactive)
323	New Lexington, OH (inactive)
324	Wellston, OH (inactive)
400	Coal Dist 4-Mt Hope, WV
401	Mt. Hope, WV
402	Mt. Carbon, WV
403	Summersville, WV
404	Princeton, WV (changed to 1202 in 2010)
405	Pineville, WV (changed to 1201 in 2010)
406	Madison, WV
407	Logan, WV (changed to 1203 in 2010)
411	Mt. Hope, WV (inactive)
412	Mt. Carbon, WV (inactive)
413	Summersville, WV (inactive)
421	Princeton, WV (inactive)
422	Pineville, WV (inactive)
431	Madison, WV (inactive)
432	Logan, WV (inactive)
500	Coal Dist 5-Norton, VA
501	Norton, VA
502	Vansant, VA
503	Grundy, VA (inactive)
504	Pikeville, KY (601 prior to 2016)
505	Elkhorn City, KY (602 prior to 2016)
506	Phelps, KY (603 prior to 2016)
507	Whitesburg, KY (606 prior to 2016)
511	Norton, VA (inactive)
521	Richlands, VA (inactive)
522	Grundy, VA (inactive)
600	Coal Dist 6-Pikeville, KY (inactive)

601	Pikeville, KY (changed to 504 in 2016)
602	Elkhorn City, KY (changed to 505 in 2016)
603	Phelps, KY (changed to 506 in 2016)
604	Paintsville, KY (inactive)
605	Martin, KY (changed to 710 in 2016)
606	Whitesburg, KY (changed to 507 in 2016)
607	Hindman, KY (inactive)
611	Pikeville, KY (inactive)
613	Elkhorn City, KY (inactive)
614	Sidney, KY (inactive)
616	Phelps, KY (inactive)
621	Paintsville, KY (inactive)
623	Prestonburg, KY (inactive)
624	Whitesburg, KY (inactive)
700	Coal Dist 7-Barbourville, KY
701	Barbourville, KY
702	Harlan, KY
703	Jacksboro, TN
704	Hazard, KY
705	Hindman, KY (inactive)
706	Hyden, KY (inactive)
707	Jasper, TN (inactive)
710	Martin, KY (605 prior to 2016)
711	Barbourville, KY (inactive)
712	Harlan, KY (inactive)
714	Jellico, TN (inactive)
715	Jacksboro, TN (inactive)
722	Jasper, TN (inactive)
723	Hueytown, AL (inactive)
724	Jasper, AL (inactive)
731	Hazard, KY (inactive)
732	Hindman, KY (inactive)
733	Hyden, KY (inactive)
800	Coal Dist 8-Vincennes, IN
801	Vincennes, IN
802	Marion, IL
803	Litchfield, IL
804	Sparta, IL (inactive)
811	Vincennes, IN (inactive)
812	Benton, IL (inactive)
813	Hillsboro, IL (inactive)
814	Sparta, IL (inactive)
900	Coal Dist 9-Denver, CO
901	McAlester, OK (inactive)
902	Farmington, NM
903	Sheridan, WY (inactive)
904	Gillette, WY
905	Price, UT
906	Craig, CO
907	Delta, CO
908	Castle Dale, UT (inactive)
911	McAlester, OK (inactive)
912	Trinidad, CO (inactive)
913	Sheridan, WY (inactive)
914	Gillette, WY (inactive)
921	Price, UT (inactive)
922	Glenwood Springs, CO (inactive)
923	Delta, CO (inactive)
924	Castle Dale, UT (inactive)

1000	Coal Dist 10-Madisonville, KY
1001	Madisonville, KY
1002	Sturgis, KY
1011	Madisonville, KY (inactive)
1012	Morganfield, KY (inactive)
1013	Beaver Dam, KY (inactive)
1100	Coal Dist 11-Birmingham, AL
1101	Bessemer, AL
1102	Jasper, AL (inactive)
1103	Longview, TX (moved from 901 in 2013)
1200	Coal Dist 12-Pineville, WV
1201	Pineville, WV (405 prior to 2010)
1202	Princeton, WV (404 prior to 2010)
1203	Logan, WV (407 prior to 2010)
2000	Northeast District - Warrendale, PA
2621	Wyomissing, PA
2622	Wyomissing (North), PA (inactive)
2641	Staunton, VA
2651	Hebron, OH
2671	Beckley, WV (inactive)
2681	Warrendale, PA
2800	Albany, NY (inactive)
2811	Watertown, NY (inactive)
2831	Springfield, MA (inactive)
2841	Dover, NJ (inactive)
2851	Geneva, NY
2861	Manchester, NH
2881	Albany, NY
3000	Southeast District-Birmingham. AL
3611	Bartow, FL
3631	Macon, GA
3641	Staunton, VA (inactive)
3651	San Juan, PR
3661	Birmingham, AL
3800	Knoxville, TN (inactive)
3811	Franklin, TN
3821	Lexington, KY
3851	Columbia, SC
3861	Knoxville, TN
3871	Sanford, NC
4000	North Central District-Duluth, MN
4611	Hibbing, MN (inactive)
4631	Lansing, MI
4641	Marquette, MI
4651	Duluth, MN
4661	Hibbing, MN
4671	Fort Dodge, IA
4821	Peru, IL
4851	Hebron, OH (inactive)
4861	Vincennes, IN (inactive)
5000	South Central District-Dallas, TX
5600	Dallas, TX (inactive)
5611	San Antonio, TX
5631	Carlsbad, NM
5641	Albuquerque, NM
5651	Denham Springs, LA
5671	Dallas, TX
5831	Topeka, KS (inactive)
5841	Omaha, NE (inactive)

	5851	Rolla-North, MO
	5852	Rolla-South, MO
	5861	Norman, OK
	5871	Little Rock, AR
	6000	Rocky Mountain District-Denver, CO
	6611	Grand Junction, CO (inactive)
	6621	Rapid City, SD
	6641	Denver (West), CO (inactive)
	6642	Denver, CO
	6651	Topeka, KS
	6800	Salt Lake City, UT (inactive)
	6811	Moab, UT (inactive)
	6821	Helena, MT
	6831	Green River, WY
	6841	Boulder City, NV (inactive)
	6851	Salt Lake City, UT
	6861	Mesa North, AZ
	6862	Mesa South, AZ
	7000	Western District-Vacaville, CA
	7600	Bellevue, WA (inactive)
	7611	Boise, ID
	7621	Coeur D'Alene, ID (inactive)
	7631	Albany, OR (inactive)
	7641	Kent ,WA
	7651	Albany, OR
	7800	Phoenix, CA (inactive)
	7811	Tucson, AZ (inactive)
	7821	Vacaville, CA
	7831	San Bernardino, CA
	7841	Henderson, NV
	7851	Elko, NV
	7861	Anchorage, AK
	7871	Boise, ID (inactive)
	9998	Contractor (no inspection office)
state	1	Alabama
	2	Alaska
	4	Arizona
	5	Arkansas
	6	California
	8	Colorado
	9	Connecticut
	10	Delaware
	11	District of Columbia
	12	Florida
	13	Georgia
	15	Hawaii
	16	Idaho
	17	Illinois
	18	Indiana
	19	Iowa
	20	Kansas
	21	Kentucky
	22	Louisiana
	23	Maine
	24	Maryland
	25	Massachusetts
	26	Michigan
	27	Minnesota
	28	Mississippi

	29	Missouri
	30	Montana
	31	Nebraska
	32	Nevada
	33	New Hampshire
	34	New Jersey
	35	New Mexico
	36	New York
	37	North Carolina
	38	North Dakota
	39	Ohio
	40	Oklahoma
	41	Oregon
	42	Pennsylvania
	44	Rhode Island
	45	South Carolina
	46	South Dakota
	47	Tennessee
	48	Texas
	49	Utah
	50	Vermont
	51	Virginia
	53	Washington
	54	West Virginia
	55	Wisconsin
	56	Wyoming
	60	American Samoa (AS)
	61	Panama Canal Zone
	66	Guam (GU)
	69	Northern Mariana Islands (MP)
	72	Puerto Rico
	78	Virgin Islands
	98	Contractor-no state
county	998	Contractor-no county
sic	10110	Iron ore
	10210	Copper Ore
	10310	Lead and/or Zinc Ore
	10410	Gold (lode and placer)
	10440	Silver ores
	10510	Aluminum Ore
	10610	Ferroalloy ores
	10611	Chromite
	10612	Cobalt
	10613	Columbium - Tantalum
	10614	Manganese
	10615	Molybdenum
	10616	Nickel
	10617	Tungsten
	10920	Mercury
	10940	Uranium - vanadium ores
	10941	Uranium
	10942	Vanadium
	10990	Metal ores, NEC
	10991	Antimony
	10992	Beryl
	10993	Platinum group
	10994	Rare earths
	10995	Tin ore
	10996	Titanium

10997	Zircon
11110	Coal, Anthracite
12110	Coal, Bituminous
13111	Oil shale
13112	Oil sand
13113	Oil mining
14110	Stone, dimension, NEC
14111	Granite (dimension)
14112	Limestone (dimension)
14113	Marble (dimension)
14114	Sandstone (dimension)
14115	Slate (dimension)
14116	Traprock (dimension)
14119	Mica (dimension)
14220	Limestone (crushed and broken)
14230	Granite (crushed and broken)
14290	Stone, crushed & broken, NEC
14291	Marble (crushed & broken)
14292	Sandstone (crushed & broken)
14293	Slate (crushed & broken)
14294	Traprock (crushed & broken)
14296	Mica (crushed & broken)
14410	Sand & gravel
14420	Construction S&G; Sand, common
14460	Sand, Industrial; Ground silica/quartz
14530	Clay (fire)
14550	Clay (common)
14590	Clay, Ceramic and refractory, NEC
14591	Aplite
14592	Brucite
14593	Feldspar
14594	Kyanite
14595	Magnesite
14596	Shale (common)
14720	Barite
14730	Fluorspar
14740	Potash, soda, & borate minerals, NEC
14741	Boron Materials
14742	Potash
14743	Trona
14744	Sodium compounds
14750	Phosphate rock
14760	Salt (rock)
14770	Sulfur
14790	Chemical and fertilizer, NEC
14791	Lithium
14792	Pigment mineral
14793	Pyrites
14794	Strontium
14920	Gypsum
14960	Talc, soapstone, & pyrophyllite
14990	Nonmetallic minerals, NEC
14991	Asbestos
14992	Gemstones
14993	Gilsonite
14994	Mica
14995	Peat (before 1979)
14996	Perlite
14997	Pumice

	14998	Vermiculite
	28190	Industrial chemicals, NEC
	28191	Alumina (Mill)
	28193	Bromine
	28991	Salt (evaporated)
	28992	Salt (in brine)
	29900	Leonardite
	32410	Cement
	32740	Lime
	99998	Contractor-no SIC
canvass	1	Anthracite Coal
	2	Bituminous Coal
	3	Sub-bituminous (not used)
	4	Lignite (not used)
	5	Sand and Gravel
	6	Stone
	7	Nonmetal
	8	Metal
	9	Contractor
uloc	0	Not labeled
	1	Vertical shaft
	2	Slope/inclined shaft
	3	Face
	4	Intersection
	5	Underground shop/office
	6	Other
	7	Unknown
	12	Not labeled
	17	Central Shops
	30	Preparation Plants
	99	Office
umeth	1	Longwall
	2	Shortwall
	3	Conventional
	4	Undefined
	5	Continuous
	6	Hand
	7	Caving
	8	Other
tradnm	1	Abex
	2	Acker
	3	Acme
	4	Advanced Mining (coal augers)
	5	Aerodyne
	6	Allen-Sherman-Hoff
	7	Allis-Chalmers Bulldozer & Fiat (tractor)
	8	Alpine (continuous miner)
	9	American Hoist
	10	Atlas-Copco
	11	Baldwin-Lima-Hamilton
	12	Barber-Greene
	13	Betti
	14	Birdsboro_Black and Decker
	15	Bucyrus-Erie (BE)
	16	Buffalo-American
	17	Case
	18	Caterpillar (CAT)
	19	Cedar Rapids
	20	Chevrolet

21	Chicago Pneumatic
22	Clark
23	Cline
24	Coeur d'Alenes
25	Cushman
26	Dart
27	Demag
28	Deutz
29	Dorr-Oliver
30	Dravo
31	Eaton
32	Eickhoff
33	Eimco
34	Elkhorn
35	Emaco, John Deere
36	Epling
37	Euclid
38	Fairchild
39	Fletcher
40	FMC and Link Belt
41	Ford
42	Fuller
43	Galis
44	Gardner-Denver
45	General Electric
46	GMC (Jimmy)
47	Goodman
48	Gorman-Rupp
49	Gradeall
50	Grundlach
51	Harnischfeger and P&H
52	Hewitt-Robins
53	Ingersoll-Rand
54	Insley_Lincoln Welder
55	International Harvester (IH)
56	Jeffrey-Dresser
57	Jold
58	Joy
59	Kenworth
60	Kersey
61	Kobota
62	Koehring
63	Komatsu
64	Kress
65	Krupp
66	Lee-Norse
67	Long-Airdox
68	Mack
69	Manitowoc
70	Marion
71	Marathon Le Tourneau
72	Massey-Ferguson
73	McLanahan
74	Mescher
75	Michigan
76	Mine Equipment Co.
77	Mine Progress Inc.
78	Myers-Whaley
79	Nagle

80	National Mine Service
81	Nolan
82	Nordberg & Rexnord
83	Northwest
84	Orenstein & Kopper
85	Oshkosh
86	Owens
87	Page
88	Penndrill
89	Pioneer
90	Plymouth-Locomotor
91	Raygo
92	Richmond
93	Ripco
94	Robbins
95	Rosco
96	Royal
97	Salem
98	S & S
99	Schramm
100	Schroder
101	Stacy
102	Stamler
103	Symons
104	Telsmith
105	Terex
106	Unit Rig Equipment Co.
107	Universal
108	Wabco
109	Wagner
110	Warner Swassey
111	Westfalia
112	Westinghouse
113	White
114	Wilcox
115	Wilfley
116	Winter-weiss
117	Wirth
118	Yale Loaders
119	Not on this list
120	Unknown
121	Not Reported
minemach	
1	Aerial tram, tramway
2	Air compressor
3	Air transportation, planes, helicopters, etc.
4	Auger machine (coal) surface and underground
5	Various large shop power tools (bench grinder, lathe, drill press)
6	Blow pipe or blow gun, air lance
7	Boats, barges and other water transportation
8	Bulldozer, dozer, crawler tractor
9	Carriage-mounted drills on track, rail, or rubber tired (jumbo, air-track drill, churndrill, rotary, jet piercing)
10	Chute
11	Classifier, cyclones
12	Continuous miner, tunnel borer, DOSCO
13	Conveyor (all types belts, pan, screw, and other)
14	Crane, derrick
15	Crusher, breaker, mills (ball and rod)
16	Cutting machine, for mining only, chain cutter
17	Dimension stone cutting and polishing machinery

18	Dredge	
19	Elevator, skip, cage (hoisting or lowering men or materials)	
20	Electric, hydraulic drill, coal drills (not impact drills)	
21	Fan	
22	Flotation and filters (mill machines)	
23	Forklift	
24	Front-end loader, tractor-shovel, payload, highlift, skip loader (surface)	
25	Gathering arm loader, Conway loader, St. Joe loader, coal loading machine, unatrac	
26	Grizzlies	
27	Guniting machine, shotcrete	
28	Handtools (not powered) (wrench), jacks	
29	Handtools (powered) (drill)	
30	Hoist, car dropper, hydraulic jack	
31	Hydraulic jets (monitors)	
32	Impactor (pneumatic machine used to break large rocks)	
33	Load-haul-dump, scoop tram, CAVO, transloader, ram car, bobcat	
34	Locomotive, rail-mounted, lorry car	
35	Longwall machine (plow shearer)	
36	Longwall subparts (jacks or chocks)	
37	Mancar, mantrip, personnel carrier, porta bus, jeep, jitney	
38	Man lift (not elevator, skip, or cage)	
39	Mill, grinding (rod, ball, autogenous, pug, hammer)	
40	Milling machine (all other NEC)	
41	Mine car, timber truck, nipper truck (rail), all underground	
42	Mine car, ore or coal car (rail only), all surface	
43	Mucking machine, overshot loader	
44	Ore haulage trucks - off highway and underground	
45	Ore haulage trucks - highway	
46	Packaging machine	
47	Pneumatic blasting agent loader	
48	Pump	
49	Raise borer	
50	Raise climber	
51	Raw coal storage, tripple, dump	
52	Roadgrader, motor grader, motor patrol	
53	Rock drill (jackleg, airleg, drifter, stoper, buzzy, stinger, jackhammer, diamond drill)	
54	Rock or roof bolting machine	
55	Rock dusting machine	
56	Rotary dump	
57	Scraper loader, self loading scraper, tractor scraper, pan scraper	
58	Screen (for sizing and washing)	
59	Shortwall machine	
60	Dragline, shovel (mining & stripping), power shovel, bucket-wheel excavator, clamshell	
61	Shuttle car	
62	Skip pocket	
63	Slusher, scraper hoist, scam, scam level	
64	Tamping machine (for packing railroad ties, etc)	
65	Track maintenance and repair equipment, rerailer	
66	Tractor (underground)	
67	Trucks (not ore haulage), pickups, water trucks, service/utility trucks	
68	Tugger, air winch	
69	Washers	
70	Welding machine	
71	Machine, NEC	
shift	1	12:01am
	600	6:00am
	700	7:00am
	800	8:00am
	1200	12:00 noon

	1500	3:00pm	
	1600	4:00pm	
	2300	11:00pm	
	2400	12:00 midnight	
aii	1	Electrical	
	2	Entrapment	
	3	Exploding vessels under pressure	
	4	Explosives and breaking agents	
	5	Falling,rolling, or sliding rock or material of any kind	
	6	Fall of face,rib,pillar,side, or highwall (from in place)	
	7	Fall of roof,back, or brow (from in place)	
	8	Fire	
	9	Handling material	
	10	Handtools	
	11	Nonpowered haulage	
	12	Powered haulage	
	13	Hoisting	
	14	Ignition or explosion of gas or dust	
	15	Impoundment	
	16	Inundation	
	17	Machinery	
	18	Slip or fall of person (from an elevation or on the same level)	
	19	Stepping or kneeling on object	
	20	Striking or bumping	
	21	Other (not 1-20)	
	26	Occupational skin diseases or disorders	
	27	Dust disease of the lungs	
	28	Respiratory conditions due to toxic agents (pneumonitis)	
	29	Poisoning	
	30	Disorders due to physical agents other than toxic materials	
	31	Disorders associated with repeated trauma	
	32	Other occupational illnesses	
	atype	1	Struck against stationary object
		2	Struck against moving object
		3	Struck by concussion
		4	Struck by falling object
5		Struck by flying object	
6		Struck by rolling object (sliding)	
7		Struck by powered moving object	
8		Struck by NEC	
9		Fall down raise,shaft, or manway underground	
10		Fall from scaffolds,walkways (elevated),platforms, etc.	
11		Fall from headframe,derrick, or tower	
12		Fall from machine,vehicle, or equipment	
13		Fall from piled material (include coal,rock,ore, or waste)	
14		Fall from ladders	
15		Fall down stairs	
16		Fall to lower level NEC	
17		Fall to the walkway or working surface	
18		Fall onto or against objects	
19		Fall on same level NEC	
20		Caught in-under-between running or meshing objects	
21		Caught in-under-between a moving and stationary object	
22		Caught in-under-between several moving objects	
23		Caught in-under-between collapsing material or buildings	
24		Caught in-under-between NEC	
25		Rubbed or abraded NEC	
26		Bodily reaction NEC	
27		Over-exertion in lifting objects	

	28	Over-exertion in pulling or pushing objects
	29	Over-exertion in wielding or throwing objects
	30	Over-exertion NEC
	31	Contact with electric current
	32	Contact with heat (atmosphere or environment)
	33	Contact with hot objects or substances
	34	Contact with cold (atmosphere or environment)
	35	Contact with cold objects or substances
	36	Inhalation of various noxious substances
	37	Ingestion of various noxious substances
	38	Absorption of various noxious substances
	39	Flash burns (electric)
	40	Flash burns (welding)
	41	Drowning
	42	Not elsewhere classified
	43	Unclassified, insufficient data
	44	Accident type without injuries
sex	1	Male
	2	Female
occup	1	Beltman, Conveyor man and belt worker, Mobile bridge carrierman, Feeder operator, Conveyor rider
	2	Electrician, Lineman
	3	Electrician helper
	4	Maintenance man, Mechanic, Repair/Serviceman, Boilermaker, Fueler, Tire tech, Field service tech
	5	Mechanic helper
	6	Rock duster
	7	Blaster, Shooter, Shotfirer, Explosive worker, Powder gang/monkey
	8	Stopping builder, Ventilation man, Mason man, Overcast
	9	Supply man, Supply worker, Nipper
	10	Timberman
	11	Wireman, Communications man
	15	Fan attendant
	16	Laborer, Bull gang, Faceman, Parts runner, Roustabout, Roof trimmer/scaler
	24	Apprentice, Trainee
	28	Scoop car/Scooptram operator, Load/Haul/Dump (LHD) operator, Teletram operator
	32	Brattice man/worker
	33	Drill helper
	34	Driller operator
	35	Continuous miner helper, Coal mole helper, Bridgeman
	36	Continuous miner operator, Coal mole operator
	37	Cutting machine helper, Undercutter operator helper
	38	Cutting machine operator, Ripper, Universal operator
	39	Hand loader, Hand trammer
	40	Headgate operator
	41	LW Propman, Propman helper, Move crew if LW, Move-up man, Jacksetter, Advanceman LW helper
	42	Loading machine/Gather arm loader helper
	43	Gathering arm loader operator, Loading machine operator, Joy loader operator
	44	Longwall operator, Chock operator, Shear operator, Plow operator
	45	Chute blaster, Rockman, Hang-up man, Raise blaster
	46	Roof bolter, Rock bolter, Pinner, Mobile roof support operator (MRS)
	47	Roof bolter helper, Rock bolter helper, Pinner helper
	48	Roof bolter (mounted) (return side)
	49	Section foreman, Bullgang foreman, Labor foreman, Leadman, Shift boss
	50	Shuttle car operator, Mantrip operator, Ramcar operator, Rail runner, Buggy operator
	51	Stall driver
	52	Tailgate operator
	53	Utility man, Errand boy, Service truck operator
	54	Discontinued 1/31/2014. Several other codes cover Scoop Car Operator
	63	Ledgeman/hand, Quarry man
	67	Power shovel operator

68	Bulldozer operator, Universal operator, Heavy equipment operator, Operating engineer
70	Auger operator, Auger Crew Supervisor
75	Grader operator
76	Truck driver
78	Backhoe operator, Trackhoe operator, Crane operator
82	Front-end loader operator
89	Shaftcrew, Shaft repair, Skip tender, Station tender
99	Miner, NEC
101	Beltman, Conveyor man and belt worker, Mobile bridge carrierman, Feeder operator, Conveyor rider
102	Electrician, Lineman
103	Electrician helper
104	Maintenance man, Mechanic, Repair/Serviceman, Boilermaker, Fueler, Tire tech, Field service tech
105	Mechanic helper
106	Rock duster
108	Stopping builder, Ventilation man, Mason man, Overcast
109	Supply man, Supply worker, Nipper
110	Timberman
111	Wireman, Communications man
112	Belt vulcanizer
113	Cleanup man, Cleanup worker
114	Coal sampler
116	Laborer, Bull gang, Parts runner, Roustabout, Roof trimmer/scaler
117	Rodman, Surveyor/Transit helper
118	Greaser, Grease man, Oiler, Lube man, Dragline oiler
119	Welder
122	Coal dump operator
123	Transit man, Surveyor/Transit worker
124	Apprentice, Trainee
128	Scoop tram operator, Load/Haul/Dump operator
146	Roof bolter, Rock bolter, Pinner, Mobile roof support operator (MRS)
149	Bull gang foreman, Labor foreman, Leadman, Section foreman, Shift boss
154	Belt cleaner, Picker
156	Rock driller
157	Pumper
159	Water line man
160	Shopman
163	Ledgeman/hand, Quarry man
168	Bulldozer operator, Universal operator, Heavy equipment operator, Operating engineer
170	Car loader
175	Grader operator
176	Truck driver
178	Backhoe operator, Trackhoe operator, Crane operator
182	Front-end loader operator
189	Shaftcrew, Shaft repair, Skip tender, Station tender
199	Miner, NEC
201	Beltman, Conveyor man and belt worker, Mobile bridge carrierman, Feeder operator, Conveyor rider
216	Trackman, Track worker, Track gang
220	Cage/Cager/Station attendant
221	Hoistman, Hoist operator
224	Underground transportation trainee
240	Loader head operator, Roscoe operator
250	Shuttle car operator, Mantrip operator, Ramcar operator, Rail runner, Buggy operator
262	Brakeman, Roperider, Car runner, Spotterman, Snapper, Trip rider, Car rider, Flagman
265	Dispatcher
269	Motorman, Motor person, Swamper, Switchman, Locomotive operator
276	Driver, Jeep driver, Tractor operator
289	Shaftcrew, Shaft repair, Skip tender, Station tender
299	Miner, NEC
301	Beltman, Conveyor man and belt worker, Mobile bridge carrierman, Feeder operator, Conveyor rider

302	Electrician, Lineman
303	Electrician helper
304	Maintenance man, Mechanic, Repair/Serviceman, Boilermaker, Fueler, Tire tech, Field service tech
305	Mechanic helper
306	Welder (non-shop)
307	Blaster, Shooter, Shotfirer, Explosive worker, Powder gang/monkey
308	Mason
309	Supply man, Nipper
310	Scraper-loader operator
311	Wireman, Communications man
312	Belt vulcanizer
313	Cleanup man, Cleanup worker
314	Coal sampler
315	Fan attendant
316	Laborer, Blacksmith, Bull gang, Parts runner, Roustabout, Pick-up man, Pitman
317	Rodman, Surveyor/Transit helper
318	Greaser, Grease man, Oiler, Lube man, Dragline oiler
319	Welder (shop)
320	Cage/Cager/Station attendant, Aerial tram (outside only)
321	Hoistman, Hoist operator
322	Coal strip operator
323	Transit man, Surveyor/Transit worker
324	Backhoe operator, Trackhoe operator
326	Forklift operator
327	Pumper
328	Utility man, Shift tech, Service/Dump truck operator
329	Vacuum filter operator, Flotation mill/Concentrator operator, Flotation plant operator
331	Clam/Clamshell operator, Claw operator
333	Drill helper
334	Drill operator
340	Boom operator
342	Bit sharpener, Bit grinder, Grinder
343	Car trimmer, Car loader, Bin puller, Truck loader
345	Crusher attendant/operator, Pan feeder operator/worker
347	Froth cell operator, Flotation mill operator, Concentrator operator
348	Machinist
349	Rotary dump operator, Car dump operator
350	Shuttle car operator, Mantrip operator, Ramcar operator, Rail runner, Buggy operator
351	Scoop tram operator, Load/Haul/Dump operator
352	Steel worker, Iron metal worker, Iron worker
353	Trespasser
354	Sweeper operator
355	Chainman, Surveyor/Transit helper
356	Rock driller
357	Washer operator, Sizing operator
358	Water circuit operator, Slurry operator, Mix operator, Pump operator worker
360	Shopman repair cars, Mechanic
362	Brakeman, Roperider, Car runner, Spotterman, Snapper, Trip rider, Car rider, Flagman
363	Ledgeman/hand, Quarry man
364	Janitor
365	Dispatcher
366	Waterboy
367	Coal/ore shovel operator, Shoveler, Power shoveler
368	Bulldozer operator, Universal operator, Heavy equipment operator, Operating engineer
369	Motorman, Motor person, Swamper, Switchman, Locomotive operator
370	Auger operator, Auger Crew supervisor
371	Auger helper
372	Barge/Boat/Dredge/Towbarge/Towboat/Leach operator, Riverman, Deck hand
373	Car dropper, Car shake out operator

374	Warehouseman, Bagger, Palletizer/Stacker, Storekeeper, Packager, Fabricator, Cleaning plant operator
375	Grader operator, Roadgrader operator
376	Haul/Off road/Coal/Ore/Pit/Quarry/Rock/Rubber tire truck driver, Transportation truck driver
378	Crane operator, Mobile equipment operator (MEO), Dragline operator, Dropball operator, Rigger
379	Dryer operator, Kiln operator, Dry plant operator, Fluid operator, Bed dryer operator
380	Fine coal plant operator
381	Hoist operator helper
382	Front-end loader, Scraper-loader operator, Pan operator, Payloader, Scraper rig operator
383	Driller, Highwall helper, Highwall drill helper
384	Driller, Highwall operator, Highwall drill operator
385	Lampman, Lamp person
386	Refuse truck driver, Backfill truck driver, Stock pile truck driver
387	Rotary bucket excavator operator
388	Scalper-screen operator
389	Shaft repair, Skip tender, Station tender
390	Silo operator, Bin puller, Truck loader
391	Boomcat operator, Stripping shovel operator
392	Tipple/Top lander/Skip dumper operator, Binman, Topman
393	Weighman, Scale person
394	Carpenter
395	Water truck operator
396	Security guard, Watchman
397	Fireman - locomotive, Railroad clam operator, Timekeeper, Yard engine operator
398	Groundman, Yardman
399	Miner, Prospector, NEC
402	Master electrician
404	Master mechanic, Foreman, Supervisor
414	Quality control technician, Laboratory technician, Laboratory assistant
418	Belt foreman, Maintenance foreman, Maintenance supervisor
423	Draftsman, Surveyor/Transit work supervisor
430	Assistant mine foreman, Assistant mine manager
449	Mine manager, Mine foreman, Mine owner
456	Assayer, Geologist, Metallurgist, Engineer, Engineer management
462	Examiner, Fire boss, Pre-shift examiner, Mine examiner
464	Inspector
481	Superintendent
489	Outside foreman, Leadman
494	Prep plant foreman, Supervisor, Mill plant supervisor, Kiln supervisor
495	Safety director
496	Union representative
497	Clerk, Timekeeper, Office worker, Director of sales
590	Education specialist
591	Mineral industrial safety officer
592	Mine safety instructor
593	Safety representative
594	Training specialist
601	Stoper miner
602	Drift miner
603	Raise miner
604	Mucking machine operator
605	Slusher operator
614	Wagon drill operator, Air-track driller, Carriage mounted drill operator
615	Rotary drill operator (electric/hydraulic)
618	Diamond drill operator, Core driller, Exploration driller, Longhole driller, Prospect driller
619	Drill helper, Chuck tender
620	Hand scaler
621	Raise borer operator
631	Ground controller
632	Cement worker, Concrete worker, Form man, Mandoseal man

	634	Hangup worker, Chute blaster
	635	Shotcrete, Guniting worker
	636	Sandfiller (dry)
	637	Sandfiller (wet), Slurry operator
	638	Mechanical scaling worker
	639	Skip tender, Station tender
	640	Ball/Rod/Pebble/Hand/Limestone/Dry mill operator, Roller operator
	641	Hammer mill operator, Breaker mill operator, Jaw mill operator
	642	Stone finishing and sizing personnel, Stone/Rock cut/Polish/Saw operator, Splitter, Cutter, Trimmer
	643	Hydrate plant operator
	644	Dry screening plant operator, Screen house operator
	646	Leaching operator
	647	Pelletizing operator
	648	Bagging, Package operator
	649	Refinery worker
	660	Ramcar operator
	662	Grizzly worker, Grizzly tender, Grizzlyman, Chute puller, Chute tapper
	664	Hand trammer
	670	Janitor
	672	Building repair man, Maintenance
	673	Lab Technician
	674	Warehouse, Supply handler
	675	Plumber, Pipefitter, Millwright
	677	Bobcat operator
	678	Painter
	679	Jackhammer operator, Chipping hammer operator
mwactiv	1	Accident recovery (equipment & workers)
	2	Advance longwall roof support
	3	Blasting; shoot coal
	4	Blow gun to blow out drilled holes
	5	Brush floor
	6	Bar down face, rib or side, etc.
	7	Caging; operate elevator; manlift; etc.
	8	Cement work; guniting crew, etc.
	9	Change house, bathing; changing clothes, etc.
	10	Chute, pull or free
	11	Clean up
	12	Climb in raise/shaft/manway
	13	Climb scaffolds/ladders/platforms; headframe/derrick/towers
	14	Climb on piled material/ore/rock/timber/stone
	15	Couple/uncouple mine car/tractor/jeep, etc.
	16	Crawling/kneeling
	17	Cross over (conveyor)
	18	Double jack
	19	Drill face/rib/side/down/rise (NOT ROOF BOLTER)
	20	Electrical maintenance/repair
	21	Environmental tests/checks
	22	Escaping a hazard
	23	Get on or off equip. machines, etc.
	24	Grinding
	25	Hand load; hand shoveling/mucking
	26	Handling coal, rock, waste or ore
	27	Handling explosives
	28	Handling supplies or material, load and unload
	29	Handling timber
	30	Hand tools (not powered)
	31	Hand tools (powered)
	32	Hang or reposition tubing/pipe/rope/wire etc.
	33	Horseplay

34	Idle (eat lunch, coffee break, etc.)
35	Impactor
36	Inspect equipment
37	Investigate, enter, or work in bins, tanks, etc.
38	Lay or repair railroad track/roadbed, switching tracks, etc.
39	Machine maint./repair
40	Move power cable
41	Moving equipment
42	Observe operations
43	Office and lab work
44	Auger (surface mine)
45	Auger (underground mine)
46	Barge, boat, dredge
47	Bulldozer
48	Coal tippie/crusher/cleaning plant/breaker
49	Continuous miner
50	Conveyor belt (not riding)
51	Cutting machine
52	Fork lift
53	Front-end loader
54	Grader
55	Haulage truck
56	Hoist
57	Jitney
58	Load-haul-dump
59	Loading machine
60	Locomotive (air trammer)
61	Longwall, shear, plow
62	Mantrip
63	Mill equipment
64	Mucking machine
65	Power shovel/dragline/backhoe
66	Rock dust machine
67	Scraper (rig); cans, etc.
68	Shortwall
69	Shuttle car
70	Slusher
71	Utility truck
72	Surface equipment NEC
73	Underground equipment NEC
74	Remove or position hydraulic jack
75	Rerail equipment
76	Ride equipment
77	Roof bolter, drilling
78	Roof bolter, inserting bolt
79	Roof bolter, tramming
80	Roof bolter, NEC
81	Sand fill (backfilling stopes w/sand, gob, etc.)
82	Set brattice
83	Set/remove/relocate props
84	Skip pocket (pull/free)
85	Spot cars; drop cars
86	Sprag/block/chock mine cars or other track equip.
87	Supervise
88	Surface construction NEC
89	Timbering (includes lagging and cribbing)
90	Travel to and from work location
91	Ventilation (maintenance/installation)
92	Walking/running

	93	Welding and cutting
	94	Wetting down working place
	95	Working w/solvents
	96	Working w/chemicals
	97	Working w/noxious materials NEC
	98	Other NEC
	99	Unknown
sourcinj	1	Animals, insects, birds, reptiles, (live)
	2	Bodily motion
	3	Boilers
	4	Bags
	5	Barrels, kegs, drums
	6	Boxes, crates, cartons
	7	Rubber, glass, plastic
	8	Containers NEC
	9	Brattice curtain
	10	Floor, walking surface
	11	Steps
	12	Doors
	13	Storage tanks and bins
	14	Dams, locks, ponds, bridges, etc.
	15	Mine headframe
	16	Scaffolds, staging, etc.
	17	Towers, poles, etc.
	18	Wharfs, docks, etc.
	19	Buildings & structures, boats & rafts NEC
	20	Brick, ceramic
	21	Acids and alkalis
	22	Oxygen deficient atmosphere
	23	Noxious mine gases NEC
	24	Chemicals and chemical compounds NEC
	25	Mine rescue equipment
	26	Apparel NEC, Ring
	27	Ice
	28	Snow
	29	Cold NEC
	30	Coal (processed)
	31	Kiln products
	32	Methane gas
	33	Coal & petroleum products NEC
	34	Chutes and slides
	35	Belt conveyors
	36	Longwall conveyor
	37	Shaking and vibrating conveyor
	38	Conveyors NEC
	39	Motors
	40	Generators
	41	Transformers, converters
	42	Conductors, electric cables and trolley poles
	43	Electrical apparatus NEC
	44	Explosives
	45	Flame, fire, smoke NEC
	46	Axe, hammer, sledge
	47	Chisel
	48	Crowbar, pry bar
	49	Knife
	50	Wrench
	51	Hand tools not powered NEC
	52	Abrasive stone or wheel grinder, buffer, polisher, waxer

53	Power saw
54	Drill, rotary
55	Drill, percussive
56	Impactor, tamper
57	Hand tools, powered NEC
58	Heat
59	Kilns, melting furnaces, & retorts
60	Space heaters
61	Other heating equipment, NEC
62	Cranes, derricks
63	Elevators, cages, skips, etc.
64	Air hoist
65	Chain hoist, chain blocks
66	Electric hoist
67	Longwall supports (chocks and blocks)
68	Jacks (not longwall)
69	Hoisting apparatus, NEC
70	Fixed ladders
71	Movable ladders
72	Ladders NEC
73	Liquids NEC
74	Machines NEC, welder, office machines
75	Milling, cleaning plant, & breaker machines
76	Surface mining machines
77	Underground mining machines
78	Belts (not conveyor)
79	Chains, ropes, cables (not conveyor)
80	Drums, pulleys, sheaves (not conveyor)
81	Mechanical power transmission apparatus NEC
82	Drill steel (all kinds)
83	Roof bolts
84	Steel rail (all sizes)
85	Molten metal
86	Metal covers and guards
87	Wheels
88	Metal NEC (pipe, wire, nails, manhole covers)
89	Broken rock, coal, ore, waste
90	Caving rock, coal, ore, waste
91	Landslide (surface only)
92	Pulverized mineral
93	Sand, gravel, shell
94	Loose dirt & mud
95	Mineral items NEC
96	Noise NEC
97	Plants, trees, vegetation
98	Pumps, fans, compressors, engines, turbines, NEC
99	Radioactive ore
100	Radiating substances of equipment NEC
101	Soaps, detergents, cleaning compounds, NEC
102	Steam
103	Passenger cars and pickup trucks
104	Highway ore carriers, other large trucks, buses
105	Forklifts, stackers, tractors, etc
106	Underground narrow gauge rail cars, motors, etc.
107	Surface narrow gauge rail cars, motors, etc.
108	Mine jeep, kersey, jitney (rail & nonrail), S&S tractor
109	Nonpowered vehicles (dollies, wheelbarrow, etc.)
110	Vehicles NEC
111	Cribbing

	112	Posts, caps, headers, timber
	113	Blocking
	114	Pallets
	115	Railroad ties
	116	Wood items NEC
	117	Ground
	118	Stairs, steps
	119	Street, road
	120	Working surfaces outside, NEC
	121	Back, mine roof, hanging wall
	122	Side or rib
	123	Mine floor, bottom, footwall
	124	Underground, NEC
	125	Cement products, concrete blocks, dry grout, etc.
	126	Water
	127	Miscellaneous, NEC
natinj	100	Amputation or enucleation
	110	Asphyxia, strangulation, drowning, etc.
	120	Burn or scald (heat)
	130	Burn, chemical
	140	Concussion -- brain, cerebral
	150	Disease, contagious or infectious
	160	Contusion, bruise
	170	Crushing
	180	Cut, laceration, puncture
	190	Dermatitis
	200	Dislocation
	210	Electric shock, electrocution
	220	Fracture, chip
	230	Freezing, frostbite
	240	Hearing loss or impairment
	250	Heat stroke, sunstroke, heat cramps, etc.
	260	Hernia, rupture
	270	Joint, tendon, or muscle inflammation or irritation
	280	Poisoning, systemic
	290	Other pneumoconiosis, NEC
	291	Asbestosis
	292	Anthraxosis
	293	Black lung (coal workers' pneumoconiosis)
	294	Silicosis
	300	Other radiation effects, NEC
	301	Non-Contact electric arc burn
	302	Laser burn
	303	Lung cancer, ionizing radiation
	304	Sunburn
	310	Scratches, abrasions (superficial wounds)
	320	Dust in eyes
	330	Sprain, strains
	340	Heart attack
	350	Cerebral hemorrhage - NOT concussion
	360	Electrical burn
	370	Multiple injuries
	380	Occupational diseases, NEC
	390	Other injury, NEC
	400	Unclassified, not determined
partbody	100	Head, NEC
	110	Brain
	120	Ear(s)
	121	Ear(s) external

	122	Ear(s) internal (inc. hearing)
	130	Eye(s) (inc. optic nerve & vision)
	140	Face, NEC
	141	Jaw (inc. chin)
	142	Mouth
	143	Nose
	144	Face, multiple parts
	150	Scalp
	160	Skull
	170	Head, multiple
	200	Neck
	300	Upper extremities, NEC
	310	Arm, NEC
	311	Upper arm
	312	Elbow
	313	Forearm
	314	Arm, multiple
	320	Wrist
	330	Hand
	340	Finger(s)
	350	Upper extremities, multiple
	400	Trunk, NEC
	410	Abdomen
	420	Back
	430	Chest
	440	Hips
	450	Shoulder(s)
	460	Trunk, multiple
	500	Lower extremities, NEC
	510	Leg, NEC
	511	Thigh
	512	Knee
	513	Lower leg
	514	Leg, multiple
	520	Ankle
	530	Foot (not ankle or toes)
	540	Toe(s)
	550	Lower extremities, multiple
	600	Body systems
	700	Multiple parts
	800	Body parts, NEC
	900	Unclassified
deginj	0	No Injury
	1	Death, fatal
	2	Permanent disability, partial or total
	3	Days away from work only
	4	Days away AND restricted activity
	5	Days of restricted activity only
	6	Injuries w/o death, days away, or restrict. act.
	7	Occupational illness, (NOT 1-6)
	8	Employee natural caused fatal & nonfatal injury
	9	Non-employee fatal & nonfatal cases
	10	All other cases (inc. 1st aid)
permtort	1	Yes
	2	No
acccode	1	Death
	2	Serious injury
	3	Entrapment
	4	Inundation

	5	Gas or dust explosion
	6	Mine fire
	7	Explosives
	8	Roof fall
	9	Outburst
	10	Impounding dam
	11	Hoisting
	12	Offsite injury
	13	Not labeled
narrcm	C	Coal
	M	Metal/Nonmetal/Stone/S&G
compcode	1	Completely entered
	2	Truncated because of size
	3	No narrative on injury report
injtype	1	Occupational fatality
	2	NFDL (Nonfatal, days lost)
	3	NDL (No days lost)
	4	Nonoccupational fatality
coalmetl	C	Coal
	M	Metal/Nonmetal/Stone/S&G
opercont	C	Contractor
	O	Operator
district	C01	C01-Wilkes Barre, PA (Inactive starting 2013)
	C02	C02-New Stanton, PA (Combined with C01 in 2013)
	C03	C03-Morgantown, WV
	C04	C04-Mt. Hope, WV (Split into C04/C12 in 2010)
	C05	C05-Norton, VA (Added some C06 offices in 2016)
	C06	C06-Pikeville, KY (Inactive starting 2016)
	C07	C07-Barbourville, KY (Added some C06 offices in 2016)
	C08	C08-Vincennes, IN
	C09	C09-Denver, CO
	C10	C10-Madisonville, KY
	C11	C11-Birmingham, AL
	C12	C12-Pineville, WV (Split from C04 in 2010)
	CNT	CNT-Contractor (No District)
	MNC	MNC-North Central-Deuluth, MN
	MNE	MNE-Northeast-Warrendale, PA
	MRM	MRM-Rocky Mountain-Denver, CO
	MSC	MSC-South Central-Dallas, TX
	MSE	MSE-Southeast-Birmingham, AL
	MWE	MWE-Western-Vacaville, CA
commod	1	Coal operator
	2	Metal operator
	3	Nonmetal operator
	4	Stone operator
	5	Sand & gravel operator
	6	Coal contractor
	7	Noncoal contractor