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Injury Experience in Coal Mining, 1975

By Staff, Division of Mining Information System,
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UNITED STATES DEPARTMENT OF THE INTERIOR
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MASTER

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INJURY EXPERIENCE IN COAL MINING, 1975

by

Staff, Division of Mining Information Systems
Health and Safety Analysis Center

ABSTRACT

This Mining Enforcement and Safety Administration (MESA) report reviews in detail accident, injury, and illness experience in the anthracite and bituminous coal industries of the United States for 1975. Fifty-seven tables summarize the reported work injuries by work location, principal cause of injury, degree of injury, part of body injured, and nature of injury, and contain correlative information on employment, worktime, and operating activity. Concise historical information is presented in nine tables.

INTRODUCTION

Under provisions of Section 111, Public Law 91-173, Federal Coal Mine Health and Safety Act of 1969, the Mining Enforcement and Safety Administration collects accident, injury, illness, employment, and production data for anthracite and bituminous coal mines and preparation plants in the United States by a mandatory reporting system. In 1972, the report formats and procedures for reporting and data processing were modified. Consequently, some information previously published is not now available, while other information, such as nondisabling injury data not formerly collected, is available for years after 1971.

For 1972 and subsequent years, only those data reported by operators are incorporated into the data base. No estimates are made of employment, man-hours, injuries, or tons of coal produced for nonrespondent operations except only as necessary to meet statistical processing requirements by providing minimum employment data for reported unmatched injury data in file. Prior to 1972, employment, nonfatal injury data, and coal production were estimated for nonrespondent operations based on Bureau of Mines production statistics.

SCOPE OF STATISTICS

The statistical data in this report cover the work experience of all coal industry personnel engaged in exploration, development, production,

maintenance and repair, and construction work including contractors on mine property, as well as supervisory and technical personnel. Information concerning onsite officeworkers at coal mines and preparation plants appears in the Salient Statistics table and where specifically mentioned in table title.

The compiled information is based on reports covering 4,069 mines, 836 preparation plants, and 100 independent shops in operation during all or part of 1975.

The terminology used throughout this report is that generally used by the mineral-extractive industries and by MESA. The recording and measuring of work injury experience follow the American National Standard Method.¹

DEFINITION OF TERMS

Key terms used in this publication series are defined or described as follows:

Disabling work injury.--Any injury suffered by a person that arises out of and in the course of his employment that results in death, permanent total disability, permanent partial disability, or temporary total disability.

Fatality.--Any death resulting from a work injury.

Permanent total disability.--Any disabling work injury other than death that permanently and totally incapacitates an employee from following any gainful occupation, or that results in the loss, or the complete loss of use, of both or any two: hands, arms, legs, feet, or eyes.

Permanent partial disability.--Any disabling work injury other than death or permanent total disability that results in the loss, or the complete loss of use, of any member or part of a member of the body, or any permanent impairment of functions of the body or part thereof, regardless of any pre-existing disability of the injured member or impaired body function.

Temporary total disability.--Any disabling work injury that does not result in death or permanent impairment, but which renders the injured person unable to perform a regularly established job that is open and available to him, during the entire time interval corresponding to the hours of his regular shift on any one or more days (including Sundays, days off, or plant shutdown) subsequent to the date of injury.

Injury-frequency rates.--The number of work injuries per million man-hours of exposure or per million short tons of coal, calculated by multiplying the total number of work injuries by one million and dividing the product by the total man-hours of worktime or the total short tons of coal, respectively.

¹American National Standards Institute, Inc., American National Standard Method of Recording and Measuring Work Injury Experience, ANSI Z16.1-1967 (R1973).

Days lost.--The number of full calendar days the injured employee was unable to work as the result of a temporary total disability.

Days charged.--All fatalities and permanent total disabilities have a standard time-loss charge of 6,000 days. Injuries resulting in permanent partial disability are assigned a time-loss charge depending upon the particular injury as specified in ANSI Z16.1-1967 (R1973).

Disabling injury-severity rates.--The number of days lost or charged from disabling work injuries per million man-hours of exposure or per million short tons of coal. Rates are calculated by multiplying the total number of days lost or charged by one million and dividing the product by the total man-hours of worktime or total short tons of coal.

Average severity.--The average number of days lost or charged per disabling injury. It is calculated from the total number of days lost or charged divided by the total number of disabling injuries.

Nondisabling work injury.--An injury suffered by a person that arises out of and in the course of his employment and requires medical treatment in excess of first aid but does not result in a permanent disability or cause the person to stay away from work for one or more days.

Average men working daily.--Average number of persons at work during the time period(s) that mines or plants were active for production or development. It is computed for each mine or plant by summing the reported number of persons working during each period of active operation and then dividing by the number of periods for which activity was reported. The figure is not the average number of employees working a full year in the coal mining industry.

Principal cause classification.--The cause classification used in this report has been developed through many years of analyzing descriptions of accidents resulting in injuries at mineral extracting and processing operations. It is designed to meet the need for a coding structure to classify injuries into standard accident categories to be used in comparisons and determination of trends.

The following descriptions of the principal causes provide definitions, particularly in the inclusions or exclusions of accidents, for which the principal cause may be subject to misinterpretation.

Falls of roof.--Falls of rock, coal, or slate from their in-place location in the mine roof. Excludes falls of roof caused by equipment knocking out support and falls from pressure bumps or bursts.

Falls of face, rib, or overburden.--Falls of face, side, rib, or pillar from their in-place location in underground workings and falls of high-walls in strip pits and auger mines. Excludes falls from equipment knocking out support and falls from pressure bumps or bursts.

Pressure bumps or bursts.--Falling or flying roof, face, or rib material caused by pressure bumps or bursts.

Inrush of water or material.--Includes inrushes of water or unconsolidated material caused by mining into or too close to flooded old workings, or unconsolidated sediments such as sand.

Sliding or falling material or objects.--Rolling, shifting, sliding, or falling materials or objects not being handled or disturbed by the injured worker. Includes coal or rock already broken from its in-place position.

Slips or falls of persons.--Slips or falls on the same level and from an elevation are grouped separately. Slips or falls in or from haulage equipment that resulted from an accident on haulage, from the motion of haulage equipment, or while getting on or off haulage equipment are excluded. Slips or falls into moving or operating machinery or into electrical equipment also are excluded.

Handling materials.--Injuries occurring while installing, moving, lifting, or carrying coal, rock, supplies, or materials; and injuries from flying particles from materials being handled or moved.

Handtools.--Accidents from tools in hands of injured worker or tools in hands of fellow worker, except power-driven tools. Includes flying pieces from tools being used or materials being worked on.

Stepping or kneeling on sharp or loose objects.--Stepping or kneeling on sharp or loose objects, slips or falls from stepping on loose objects, and cases resulting in bursitis or "miner's knee" from working on hands and knees.

Striking or bumping against objects.--Cases of walking or bumping into stationary objects. Excludes cases of striking or bumping in the course of servicing equipment, repairing, handling materials, using handtools, or operating machinery or haulage equipment, etc. Excludes cases of striking or bumping against moving or operating machinery or electrically powered equipment.

Haulage.--Haulage accidents are divided into the following six groups: (1) Mine-gage rail haulage; (2) standard-gage (railroad) haulage; (3) shuttle cars, mobile electric trucks, rubber-tired equipment, and other nonrail equipment; (4) water transportation; (5) automobile, gasoline or diesel trucks, tractors, etc.; and (6) miscellaneous equipment (ropes, animals, cages, belts, etc.). Included in the haulage category are falls of roof, face, or side from haulage equipment knocking out supports; slips or falls of persons in or from haulage equipment that resulted from an accident to the equipment, from the motion of the equipment, or while getting on or off equipment; and flying particles set in motion by haulage equipment or draft therefrom.

Explosions of gas or dust.--Explosions of gas or dust in the mine environment.

Explosives and breaking agents.--Cases in which the cause of injury was the detonation, fumes, flying fragments, or use of the explosive or breaking agent, fuses, caps, or detonators.

Electricity.--Cases resulting from contact with electric current or from arcs or flashes.

Machinery.--Accidents while operating machines are separated from those while moving or tramping a whole machine. Injuries occurring while moving a repair part of a machine are classed under "handling materials." Included in the machinery classification are falls of roof, face, or side from nonhaulage machinery knocking out support, setting up or servicing machinery, and flying particles set in motion by machinery. Excluded from the classification are accidents occurring in the course of repairing machines, unless the accident resulted from in-motion machinery.

Suffocation.--Divided into suffocation from: (1) natural mine gases or oxygen-deficient atmosphere; or (2) foreign gases such as fumes from oil or gasoline motors, gases and smoke drawn underground from a surface fire, or from gas wells. Excludes gases from mine fires, explosions, and explosives use.

Fires and suffocation from fires.--Fire accidents are divided into: (1) mine fires in which coal or timber is burning; and (2) other fires in which equipment or material other than coal or timber is burning.

Occupational pneumoconiosis.--A chronic dust disease of the lungs, such as might be caused by prolonged inhalation of pulverized coal or other minerals.

Miscellaneous causes.--Includes flying particles from draft or wind; gas or burns from carbide; gas, burns, or flying materials or flashes from acetylene and electric welding and cutting; irritations and burns from battery fluid or other acids; burns from controlled wood or coal fires, steam, hot grease, oil, etc.; and all other accidents not elsewhere classified.

HISTORICAL DATA

Injury experience, employment, and worktime data (excluding office-workers) for the bituminous coal, Pennsylvania anthracite, and total coal mining industries are shown for 1930-75 in tables 49-51. The man-hour data for 1930-44 in these tables have been converted to a portal-to-portal basis, which became the basis of pay in 1945. Hence the injury-frequency and the productivity rates are directly comparable for each year since 1930.¹

¹Methodology given on pages 4-5, Bureau of Mines Bulletin 509: Injury Experience in Coal Mining, 1948.

Historical information (excluding officeworkers) in the coal mining industry is given in tables 52-57. Figures from 1910 through 1975 represent the entire industry, while those prior to 1910 cover only the States that maintained records of fatal injuries.

GENERAL INJURY EXPERIENCE, 1975

During 1975, the disabling injury experience, excluding officeworkers, at 5,005 coal mines, plants, and shops was 155 fatal and 11,107 nonfatal disabling work injuries. These injuries resulted in a combined fatal and nonfatal disabling injury-frequency rate of 30.59 per million man-hours of exposure, consisting of a fatality rate of 0.42 and a nonfatal disabling rate of 30.17. The combined disabling injury-severity rate of 4,304 days lost per million man-hours of exposure consisted of a fatal injury-severity rate of 2,526 days lost and a nonfatal disabling injury-severity rate of 1,778. The average severity of all disabling injuries (excluding officeworkers) was 141 days lost or charged per injury.

This is the fourth year in which data are available concerning non-disabling injuries, except first aid cases. A total of 9,641 nondisabling injuries (excluding officeworkers) were reported during 1975, resulting in a nondisabling injury-frequency rate of 26.18. Therefore, the "all injury" frequency rate shown in tables 1, 2, and 3 for 1972, 1973, 1974, and 1975 is higher than for previous years, but only because of the inclusion of nondisabling injuries in the overall frequency rate.

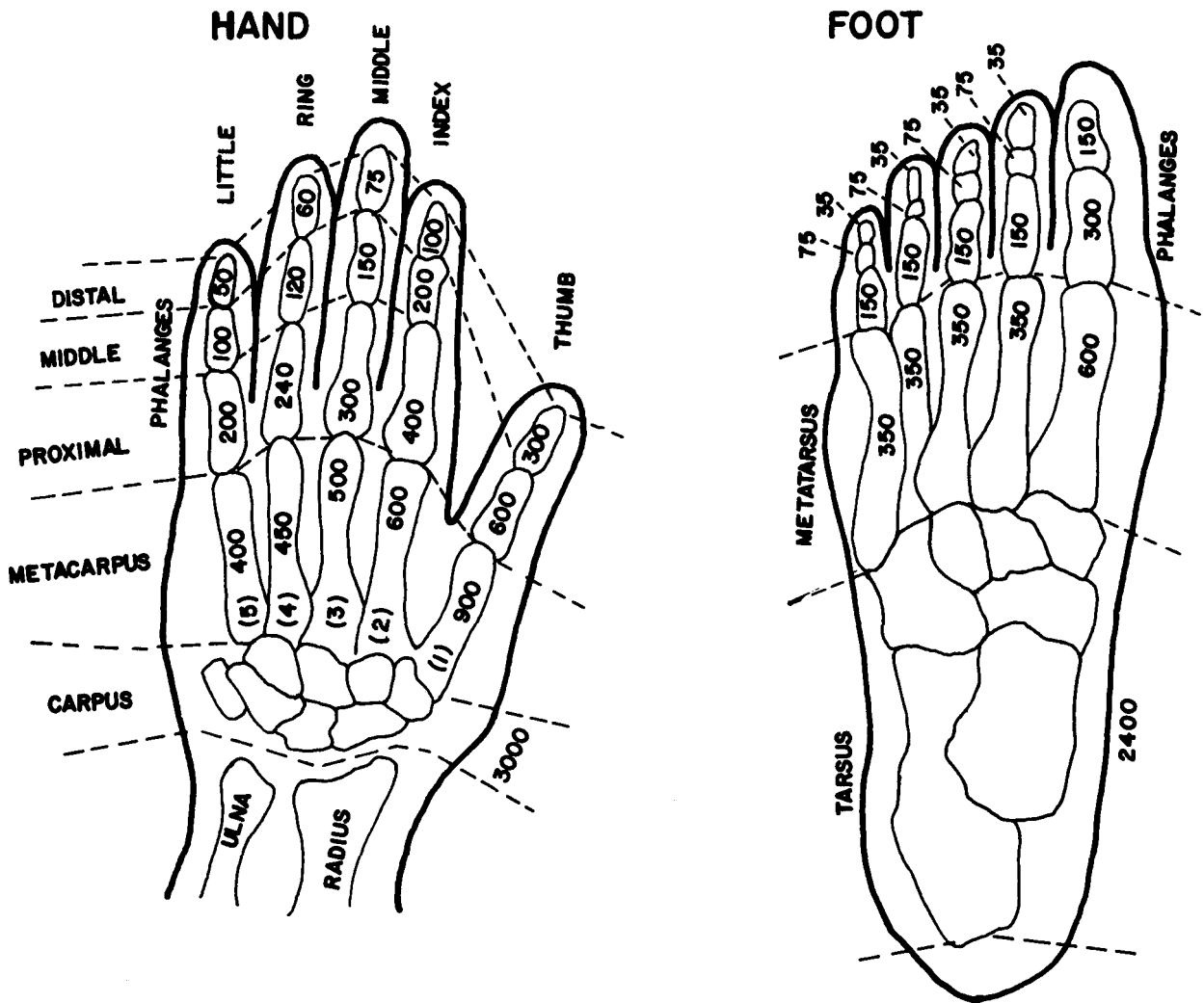
FIGURE A. - Scale of time charges^{1/} for weighting deaths, permanent total disabilities, and permanent partial disabilities for computing severity of injuries

Injury	Time charge (days)
Death.....	6,000
Permanent total disability.....	6,000
Dismemberment <u>2/</u> or total loss of use:	
Arm above elbow.....	4,500
Arm at or below elbow and above wrist.....	3,600
Hand at wrist.....	3,000
Thumb.....	(3/)
Finger.....	(3/)
Leg above knee.....	4,500
Leg at or below knee and above ankle.....	3,000
Foot at ankle.....	2,400
Great toe.....	(3/)
Other toes.....	(3/)
Loss of sight:	
One eye (whether or not there is sight in the other eye)....	1,800
Both eyes (in one accident).....	6,000
Complete industrial loss of hearing:	
One ear (whether or not there is hearing in the other ear)..	600
Both ears (in one accident).....	3,000
Unrepaired hernia.....	50

1/ American National Standards Institute, Inc., American National Standard Method of Recording and Measuring Work Injury Experience, ANSI Z16.1-1967 (R1973).

2/ Dismemberment means severance of any part of the bone.

3/ See figure B for scheduled charges for hand and foot.



NOTE:
 NUMBERS SHOWN ON DIAGRAM ARE CHARGES IN DAYS LOST FOR LOSS OF ALL OR PART OF BONE. FOR ADDITIONAL INFORMATION ON USE OF THE CHART SEE 2.3.1.1 THROUGH 2.3.1.5 ANSI. Z.16.1-1967 (R1973) AMERICAN NATIONAL STANDARD METHOD OF RECORDING AND MEASURING WORK INJURY EXPERIENCE

FIGURE B.- Chart of scheduled charges for loss or loss of use involving hand or foot.

Form 6-348
(February 1972)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Form Approved
O.M.B. No. 42-R1639



EMPLOYMENT AND PRODUCTION REPORT

Bureau of Mines ID Number _____ For the month of _____ 19____

Mine Name _____

Company Name _____

Mailing Address _____

1. Classification of Coal Mined: (1) Anthracite (2) Bituminous (3) Subbituminous (4) Lignite

2. Current Status of Mine: (1) Active (2) Temporarily Closed Date: _____

(3) Permanently Abandoned Date: _____ (4) Sold (5) Leased (6) Subcontracted Date: _____

If any transaction occurred, indicate name and address of the other party: _____

3. Employment, Manhours, and Production

Operations Sub-Unit (1)	Code	Number of persons working during pay period including 12th of the month (2)	Total man-hours worked during the month (3)	Production of clean coal (Short tons) (4)
UNDERGROUND MINE				
Underground	01			
Surface Shops, Yards, etc	02			
SURFACE MINE (including shops and yards)				
Strip	03			
Auger	04			
Culm Bank	05			
Dredge	06			
MECHANICAL CLEANING, PREPARATION PLANT OR BREAKER	30			
OFFICE (workers at mine and/or preparation facility)	00			

4. Other Reportable Data:

Did you have any reportable accidents, injuries, illness, during this report period (1) Yes (2) No.

If yes, total number of accidents _____ total number of injuries and illness _____

Person to be contacted regarding this report:

Name _____ Title _____

Date report completed _____ 19____

FIGURE C. - Employment and production report form.

Form No. 6-347
(February 1972)



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

COAL ACCIDENT, INJURY
AND ILLNESS REPORT

Form Approved
O.M.B. No. 42-R1640

Date of Accident or Illness _____ Time of Accident _____ A.M.
P.M.
Time shift started _____ P.M. (1) Production (2) Maintenance

Bureau of Mines ID Number _____ Company Name _____

Mine Name _____ Mailing Address _____

(1) _____ (2) _____ (3) _____ (4) _____ (5) _____ (6) _____
(7) _____ (8) _____ (9) _____ (10) _____ (11) _____ (12) _____ (13) _____
(14) _____ (15) _____ (16) _____ (17) _____ (18) _____ (19) _____ (20) _____ (21) _____
(22) _____ (23) _____ (24) _____ (25) _____ (26) _____ (27) _____ (28) _____ (29) _____
(30) _____ (31) _____ (32) _____ (33) _____ (34) _____ (35) _____ (36) _____ (37) _____ (38) _____ (39) _____ (40) _____
(41) _____ (42) _____ (43) _____ (44) _____ (45) _____ (46) _____ (47) _____ (48) _____ (49) _____
(50) _____ (51) _____ (52) _____ (53) _____

DO NOT WRITE IN THIS BLOCK — FOR OFFICIAL USE ONLY

A. LOCATION OF ACCIDENT OR ILLNESS (Circle the applicable code)	B. TYPE OF ACCIDENT (Circle the applicable code)	C. OCCUPATIONAL ILLNESS (Circle the applicable code)
(a) Underground Mine On Section (1) <input type="checkbox"/> Section ID Number _____ Operator Section Number _____ Off Section (2) <input type="checkbox"/> Operator Location number or name _____ (On Section, circle code for applicable method. Off Section, circle code for principal method used.) 01 Continuous 02 Conventional 03 Hand 04 Longwall (Whether on section or off section, circle location codes describing accident) 01 Shaft 02 Slope 03 Drift 04 Entry 05 Room 06 Face Area 07 Intersection (On section, circle applicable status code. Off section, circle principal status code.) 01 Development 02 Retreat (b) Surface Mine 03 Strip. 04 Auger 05 Culm bank 06 Dredge (c) Surface Operation 01 Tipple 02 Mechanical Cleaning Plant 03 Preparation Plant or Breaker 04 Tramline or railroad 05 Central Shops 00 Office at mine 06 Other surface operations: Specify _____	14 Electricity 15 Machinery 13 Explosive & Breaking Agent 17 Mine Fire 12 Explosion of Gas or Dust 02 Pressure Bump or Burst 03 Fall of Face, Rib, or Side 05 Sliding/Falling Material 01 Fall of Roof 06 Slip or Fall (Person) 08 Handtool 09 Stepping/Kneeling on object 07 Handling material 11 Haulage 10 Striking or Bumping 20 Ignition of Gas or Dust 16 Suffocation 04 Inundation 18 Other: Specify _____ 19 Lifting/Pulling	21 Occupational skin diseases 22 Dust diseases of the lungs 23 Respiratory diseases (toxic agents) 24 Poisoning (toxic materials) 25 Disorders (physical agents) 26 Disorders (repeated trauma) 29 All other occupational illness

D. ACCIDENT OCCURRENCE DATA: What brought about the accident or illness reported _____

What was unsafe physical or mechanical condition(s) contributing to accident _____

Name equipment, material, or tool involved _____ Model number _____

Describe any unsafe act(s) contributing to accident _____

Personnel injured (1) Yes (2) No Number of persons injured _____

COMPLETE DATA BELOW FOR EACH PERSON INJURED OR ILL

1. REGARDING INJURY OR ILLNESS
 What was the agent, object, or tool inflicting injury _____ (1) Fatal (2) Nonfatal
 Type of injury or illness _____ Part of Body injured _____
 Amputation (1) Yes (2) No. If yes, part of body lost _____

2. REGARDING INJURED OR ILL PERSON
 Full Name of Injured or ill person _____
 Social Security Number _____ Sex _____ Age _____ Total years of mining experience _____ Total years experience in this mine _____
 Regular job title _____ Years of experience on regular job _____ What was employee doing when injured _____
 Was that activity part of regular job (1) Yes (2) No. If no, years of experience at that activity _____
 Returned to regular job next regular shift (1) Yes (2) No. If yes, at full capacity (1) Yes (2) No. Returned to another job next regular shift (1) Yes (2) No.
 Was employee transferred to another job or terminated (1) Yes (2) No. If yes (1) after lost work days (2) because of injury or illness, but without lost workdays.
 Total number of lost work days _____ Number lost from regular job _____ Date returned to work _____

FIGURE D. - Accident, injury and illness report form.

TABLE 1. - Salient statistics on injuries, injury rates, worktime, production, and productivity
at bituminous coal mines in the United States, 1971-75

	Excluding officeworkers					Including officeworkers				
	1971	1972	1973	1974	1975	1971	1972	1973	1974	1975
Number of injuries:										
Fatal-----	176	153	131	131	153	176	153	131	131	153
Nonfatal disabling--	11,363	12,012	10,880	8,298	10,856	11,365	12,018	10,889	8,306	10,866
All disabling-----	11,539	12,165	11,011	8,429	11,009	11,541	12,171	11,020	8,437	11,019
Nondisabling-----	NA	15,700	13,999	6,895	9,185	NA	15,731	14,040	6,916	9,196
All injuries-----	11,539	27,865	25,010	15,324	20,194	11,541	27,902	25,060	15,353	20,215
Injury rates:										
Frequency per million man-hours:										
Fatal-----	0.72	0.59	0.48	0.45	0.42	0.70	0.57	0.47	0.44	0.41
Nonfatal disabling--	46.41	45.96	40.06	28.45	29.89	45.26	44.71	38.84	27.61	29.03
All disabling-----	47.13	46.55	40.54	28.90	30.31	45.96	45.28	39.31	28.05	29.44
Nondisabling-----	NA	60.08	51.55	23.64	25.29	NA	58.52	50.08	22.99	24.57
All injuries-----	47.13	106.62	92.09	52.54	55.59	45.96	103.80	89.38	51.04	54.01
Frequency per million tons:										
Fatal-----	0.32	0.29	0.24	0.23	0.25	0.32	0.29	0.24	0.23	0.25
Nonfatal disabling--	20.51	22.75	19.73	14.80	17.91	20.51	22.76	19.74	14.81	17.93
All disabling-----	20.83	23.04	19.97	15.03	18.17	20.83	23.05	19.98	15.04	18.18
Nondisabling-----	NA	29.73	25.38	12.29	15.16	NA	29.79	25.46	12.33	33.36
All injuries-----	20.83	52.77	45.35	27.32	33.32	20.83	52.84	45.44	27.38	33.36
Severity per million man-hours:										
Fatal-----	4,313	3,513	2,894	2,695	2,527	4,206	3,415	2,803	2,613	2,452
Nonfatal disabling--	1,157	1,892	1,966	1,946	1,778	1,128	1,840	1,905	1,890	1,727
All disabling-----	5,470	5,405	4,860	4,641	4,306	5,334	5,255	4,709	4,503	4,179
Severity per million tons:										
Fatal-----	1,906	1,738	1,425	1,401	1,515	1,906	1,738	1,425	1,401	1,515
Nonfatal disabling--	511	936	968	1,012	1,066	511	937	969	1,014	1,067
All disabling-----	2,417	2,675	2,393	2,414	2,581	2,418	2,675	2,394	2,415	2,581
Average severity:										
Permanent partial---	871	549	695	612	558	871	549	695	612	558
Temporary total-----	12	29	33	43	43	12	29	33	43	43
All disabling-----	116	116	120	161	142	116	116	120	161	142
Average men working daily-----	137,080	157,285	143,886	173,588	215,004	140,350	162,046	148,422	178,766	221,172
Man-hours worked-----	244,819,831	261,338,208	271,575,488	291,672,037	363,249,993	251,083,354	268,802,713	280,366,978	300,803,928	374,313,834
Production---short tons-----	553,992,881	528,092,677	551,482,432	560,839,763	606,006,907	553,992,881	528,092,677	551,482,432	560,839,763	606,006,907
Productivity:										
Tons per man-hour-----	2.26	2.02	2.03	1.92	1.67	2.21	1.96	1.97	1.86	1.62
Tons per man-day-----	17.96	NA	NA	NA	NA	17.52	NA	NA	NA	NA

TABLE 2. - Salient statistics on injuries, injury rates, worktime, production, and productivity
at Pennsylvania anthracite coal mines in the United States, 1971-75

	Excluding officeworkers					Including officeworkers				
	1971	1972	1973	1974	1975	1971	1972	1973	1974	1975
Number of injuries:										
Fatal-----	5	3	1	2	2	5	3	1	2	2
Nonfatal disabling---	553	317	340	247	251	553	317	341	247	253
All disabling-----	558	320	341	249	253	558	320	342	249	255
Nondisabling-----	NA	390	492	372	456	NA	392	493	372	456
All injuries-----	558	710	833	621	709	558	712	835	621	711
Injury rates:										
Frequency per million man-hours:										
Fatal-----	0.54	0.48	0.17	0.39	0.40	0.52	0.47	0.16	0.38	0.39
Nonfatal disabling---	59.37	51.03	56.24	48.40	50.74	57.66	49.25	54.50	46.91	49.57
All disabling-----	59.90	51.52	56.40	48.79	51.15	58.18	49.71	54.66	47.29	49.97
Nondisabling-----	NA	62.79	81.38	72.89	92.18	NA	60.90	78.79	70.65	89.35
All injuries-----	59.90	114.30	137.78	121.68	143.33	58.18	110.61	133.46	117.94	139.32
Frequency per million tons:										
Fatal-----	0.57	0.46	0.15	0.41	0.39	0.57	0.46	0.15	0.41	0.39
Nonfatal disabling---	63.36	48.82	52.57	50.06	48.99	63.36	48.82	52.73	50.06	49.38
All disabling-----	63.94	49.28	52.73	50.47	49.38	63.94	49.28	52.88	50.47	49.77
Nondisabling-----	NA	60.06	76.08	75.40	89.00	NA	60.37	76.23	75.40	89.00
All injuries-----	63.94	109.34	128.81	125.86	138.38	63.94	109.65	129.12	125.86	138.77
Severity per million man-hours:										
Fatal-----	3,221	2,898	992	2,351	2,426	3,128	2,796	959	2,279	2,351
Nonfatal disabling---	691	2,709	1,698	1,568	1,782	671	2,614	1,642	1,520	1,729
All disabling-----	3,912	5,606	2,690	3,919	4,208	3,800	5,410	2,601	3,799	4,080
Severity per million tons:										
Fatal-----	3,437	2,772	928	2,432	2,342	3,437	2,772	928	2,432	2,342
Nonfatal disabling---	738	2,591	1,587	1,622	1,720	738	2,591	1,589	1,622	1,722
All disabling-----	4,175	5,363	2,515	4,054	4,063	4,175	5,363	2,516	4,054	4,064
Average severity:										
Permanent partial---	63	238	80	-	75	63	238	80	-	75
Temporary total-----	11	33	30	32	35	11	33	30	32	35
All disabling-----	65	109	48	80	82	65	109	48	80	83
Average men working										
daily-----	5,028	4,922	3,357	3,409	3,158	5,182	5,087	3,470	3,508	3,240
Man-hours worked-----	9,315,193	6,211,617	6,046,040	5,103,390	4,946,594	9,590,333	6,437,045	6,256,781	5,265,235	5,103,542
Production--short tons-	8,727,342	6,493,396	6,467,012	4,933,900	5,123,416	8,727,342	6,493,396	6,467,012	4,933,900	5,123,416
Productivity:										
Tons per man-hour-----	0.94	1.05	1.07	0.97	1.04	0.91	1.01	1.03	0.94	1.00
Tons per man-day-----	6.93	NA	NA	NA	NA	6.74	NA	NA	NA	NA

TABLE 3. - Salient statistics on injuries, injury rates, worktime, production, and productivity at all coal mines in the United States, 1971-75

	Excluding officeworkers					Including officeworkers				
	1971	1972	1973	1974	1975	1971	1972	1973	1974	1975
Number of injuries:										
Fatal-----	181	156	132	133	155	181	156	132	133	155
Nonfatal disabling---	11,916	12,329	11,220	8,545	11,107	11,918	12,335	11,230	8,553	11,119
All disabling-----	12,097	12,485	11,352	8,678	11,262	12,099	12,491	11,362	8,686	11,274
Nondisabling-----	NA	16,090	14,491	7,267	9,641	NA	16,123	14,533	7,288	9,652
All injuries-----	12,097	28,575	25,843	15,945	20,903	12,099	28,614	25,895	15,974	20,926
Injury rates:										
Frequency per million man-hours:										
Fatal-----	0.71	0.58	0.48	0.45	0.42	0.69	0.57	0.46	0.43	0.41
Nonfatal disabling--	46.89	46.08	40.41	28.79	30.17	45.72	44.82	39.18	27.94	29.31
All disabling-----	47.60	46.66	40.89	29.24	30.59	46.41	45.38	39.64	28.38	29.71
Nondisabling-----	NA	60.14	52.20	24.49	26.18	NA	58.58	50.70	23.81	25.44
All injuries-----	47.60	106.80	93.09	53.73	56.77	46.41	103.96	90.34	52.19	55.15
Frequency per million tons:										
Fatal-----	0.32	0.29	0.24	0.24	0.25	0.32	0.29	0.24	0.24	0.25
Nonfatal disabling--	21.18	23.06	20.11	15.10	18.17	21.18	23.07	20.13	15.12	18.19
All disabling-----	21.50	23.35	20.35	15.34	18.43	21.50	23.37	20.36	15.35	18.45
Nondisabling-----	NA	30.10	25.97	12.84	15.78	NA	30.16	26.05	12.88	15.79
All injuries-----	21.50	53.45	46.32	28.18	34.20	21.50	53.53	46.41	28.23	34.24
Severity per million man-hours:										
Fatal-----	4,273	3,498	2,853	2,689	2,526	4,166	3,401	2,763	2,607	2,451
Nonfatal disabling--	1,140	1,911	1,960	1,940	1,778	1,112	1,858	1,900	1,883	1,727
All disabling-----	5,413	5,409	4,813	4,629	4,304	5,278	5,259	4,663	4,491	4,178
Severity per million tons:										
Fatal-----	1,930	1,751	1,419	1,410	1,522	1,930	1,751	1,419	1,410	1,522
Nonfatal disabling--	515	956	975	1,018	1,071	515	957	976	1,019	1,072
All disabling-----	2,445	2,707	2,395	2,428	2,593	2,445	2,708	2,395	2,429	2,594
Average severity:										
Permanent partial---	862	546	688	612	555	862	546	688	612	555
Temporary total-----	12	29	33	43	43	12	29	33	43	43
All disabling-----	114	116	118	158	141	114	116	118	158	141
Average men working daily-----	142,108	162,207	147,243	176,997	218,162	145,532	167,133	151,892	182,274	224,412
Man-hours worked-----	254,135,024	267,549,825	277,621,528	296,775,427	368,196,587	260,673,707	275,239,758	286,623,759	306,069,163	379,417,376
Production--short tons-----	562,720,223	534,586,073	557,949,444	565,773,663	611,130,323	562,720,223	534,586,073	557,949,444	565,773,663	611,130,323
Productivity:										
Tons per man-hour----	2.21	2.00	2.01	1.91	1.66	2.16	1.94	1.95	1.85	1.61
Tons per man-day-----	17.53	NA	NA	NA	NA	17.10	NA	NA	NA	NA

TABLE 4. - Worktime, production, and productivity (short tons per man-hour) data at coal mines in the United States, by kind of coal and general work location, 1975

	Average men working daily	Man-hours worked	Production, short tons	Tons per man-hour	Number of operations
Bituminous coal mines:					
Underground mines:					
Underground-----	121,334	209,808,919	278,132,816	1.33	1,633
Surface-----	15,150	23,385,926	-	-	-
Total or average-----	136,484	233,194,845	278,132,816	1.19	1,633
Strip mines-----	54,514	94,611,096	322,216,172	3.41	1,995
Auger mines-----	1,798	1,453,643	4,610,911	3.17	228
Other surface mining-----	351	215,308	1,047,008	4.86	10
Total surface mining-----	56,663	96,280,047	327,874,091	3.41	2,233
Total or average, mining-----	193,147	329,474,892	606,006,907	1.84	3,866
Independent shops and yards-----	3,367	6,375,549	-	-	94
Mechanical cleaning plants-----	18,490	27,399,552	-	-	772
Grand total or average-----	215,004	363,249,993	606,006,907	1.67	4,732
Pennsylvania anthracite mines:					
Underground mines:					
Underground-----	496	666,075	516,329	.78	69
Surface-----	80	112,773	-	-	-
Total or average-----	576	778,848	516,329	.66	69
Strip mines-----	1,250	2,023,147	2,227,771	1.10	79
Culm banks-----	250	250,580	2,374,550	9.48	53
Dredges-----	7	4,805	4,766	.99	2
Total surface mining-----	1,507	2,278,532	4,607,087	2.02	134
Total or average, mining-----	2,083	3,057,380	5,123,416	1.68	203
Independent shops and yards-----	83	157,793	-	-	6
Mechanical cleaning plants-----	992	1,731,421	-	-	64
Grand total or average-----	3,158	4,946,594	5,123,416	1.04	273
All coal mines:					
Underground mines:					
Underground-----	121,830	210,474,994	278,649,145	1.32	1,702
Surface-----	15,230	23,498,699	-	-	-
Total or average-----	137,060	233,973,693	278,649,145	1.19	1,702
Strip mines-----	55,764	96,634,243	324,443,943	3.36	2,074
Auger mines-----	1,798	1,453,643	4,610,911	3.17	228
Culm banks-----	397	424,772	3,378,169	7.95	60
Dredges-----	211	45,921	48,155	1.05	5
Total surface mining-----	58,170	98,558,579	332,481,178	3.37	2,367
Total or average, mining-----	195,230	332,532,272	611,130,323	1.84	4,069
Independent shops and yards-----	3,450	6,533,342	-	-	100
Mechanical cleaning plants-----	19,482	29,130,973	-	-	836
Grand total or average-----	218,162	368,196,587	611,130,323	1.66	5,005

TABLE 5. - Injury experience at bituminous coal mines in the United States, by general work location, 1975

	Underground mines			Strip mines	Auger mines	Other surface mining	Total surface mining	Total mining	Independent shops and yards	Mechanical cleaning plants	Grand total
	Underground	Surface	Total								
Number of injuries:											
Fatal-----	99	12	111	31	3	-	34	145	-	8	153
Nonfatal disabling:											
Permanent total-----	10	1	11	2	-	-	2	13	-	2	15
Permanent partial-----	118	7	125	36	1	-	37	162	-	5	167
Temporary total-----	8,009	509	8,518	1,575	35	1	1,611	10,129	79	466	10,674
All nonfatal disabling----	8,137	517	8,654	1,613	36	1	1,650	10,304	79	473	10,856
All disabling injuries----	8,236	529	8,765	1,644	39	1	1,684	10,449	79	481	11,009
Nondisabling injuries-----	6,436	730	7,166	1,337	19	2	1,358	8,524	84	577	9,185
All injuries-----	14,672	1,259	15,931	2,981	58	3	3,042	18,973	163	1,058	20,194
Days lost:											
Fatal-----	594,000	72,000	666,000	186,000	18,000	-	204,000	870,000	-	48,000	918,000
Nonfatal disabling:											
Permanent total-----	60,000	6,000	66,000	12,000	-	-	12,000	78,000	-	12,000	90,000
Permanent partial-----	64,710	2,140	66,850	25,130	60	-	25,190	92,040	-	1,150	93,190
Temporary total-----	368,930	22,019	390,949	49,195	804	1	50,000	440,949	4,611	17,260	462,820
All nonfatal disabling----	493,640	30,159	523,799	86,325	864	1	87,190	610,989	4,611	30,410	646,010
All disabling-----	1,087,640	102,159	1,189,799	272,325	18,864	1	291,190	1,480,989	4,611	78,410	1,564,010
Frequency rates:											
Per million man-hours:											
Fatal-----	0.47	0.51	0.48	0.33	2.06	-	0.35	0.44	-	0.29	0.42
Nonfatal disabling-----	38.78	22.11	37.11	17.05	24.77	4.64	17.14	31.27	12.39	17.26	29.89
All disabling injuries----	39.25	22.62	37.59	17.38	26.83	4.64	17.49	31.71	12.39	17.56	30.31
Nondisabling injuries-----	30.68	31.22	30.73	14.13	13.07	9.29	14.10	25.87	13.18	21.06	25.29
All injuries-----	69.93	53.84	68.32	31.51	39.90	13.93	31.60	57.59	25.57	38.61	55.59
Per million tons:											
Fatal-----	.36	-	.40	.10	.65	-	.10	.24	-	-	.25
Nonfatal disabling-----	29.26	-	31.11	5.01	7.81	.96	5.03	17.00	-	-	17.91
All disabling injuries----	29.61	-	31.51	5.10	8.46	.96	5.14	17.24	-	-	18.17
Nondisabling injuries-----	23.14	-	25.76	4.15	4.12	1.91	4.14	14.07	-	-	15.16
All injuries-----	52.75	-	57.28	9.25	12.58	2.87	9.28	31.31	-	-	33.32
Severity rates:											
Per million man-hours:											
Fatal-----	2,831	3,079	2,856	1,966	12,383	-	2,119	2,641	-	1,752	2,527
Nonfatal disabling-----	2,353	1,290	2,246	912	594	5	906	1,854	723	1,110	1,778
All disabling injuries----	5,184	4,368	5,102	2,878	12,977	5	3,024	4,495	723	2,862	4,306
Per million tons:											
Fatal-----	2,136	-	2,395	577	3,904	-	622	1,436	-	-	1,515
Nonfatal disabling-----	1,775	-	1,883	268	187	1	266	1,008	-	-	1,066
All disabling injuries----	3,911	-	4,278	845	4,091	1	888	2,444	-	-	2,581
Average severity:											
Permanent partial-----	548	306	535	698	60	-	681	568	-	230	558
Temporary total-----	46	43	46	31	23	1	31	44	58	37	43
All disabling injuries----	132	193	136	166	484	1	173	142	58	163	142

TABLE 6. - Injury experience at Pennsylvania anthracite mines, by general work location, 1975

	Underground mines			Strip mines	Culm banks	Dredges	Total surface mining	Total mining	Independent shops and yards	Mechanical cleaning plants	Grand total
	Underground	Surface	Total								
Number of injuries:											
Fatal-----	-	-	-	1	-	-	1	1	-	1	2
Nonfatal disabling:											
Permanent total-----	-	-	-	-	-	-	-	-	-	-	-
Permanent partial-----	-	-	-	-	-	-	-	-	-	1	1
Temporary total-----	33	-	33	101	9	-	110	143	10	97	250
All nonfatal disabling----	33	-	33	101	9	-	110	143	10	98	251
All disabling injuries----	33	-	33	102	9	-	111	144	10	99	253
Nondisabling injuries-----	5	-	5	216	12	-	228	233	42	181	456
All injuries-----	38	-	38	318	21	-	339	377	52	280	709
Days lost:											
Fatal-----	-	-	-	6,000	-	-	6,000	6,000	-	6,000	12,000
Nonfatal disabling:											
Permanent total-----	-	-	-	-	-	-	-	-	-	-	-
Permanent partial-----	-	-	-	-	-	-	-	-	-	75	75
Temporary total-----	1,173	-	1,173	4,173	561	-	4,734	5,907	346	2,486	8,739
All nonfatal disabling----	1,173	-	1,173	4,173	561	-	4,734	5,907	346	2,561	8,814
All disabling-----	1,173	-	1,173	10,173	561	-	10,734	11,907	346	8,561	20,814
Frequency rates:											
Per million man-hours:											
Fatal-----	-	-	-	0.49	-	-	0.44	0.33	-	0.58	0.40
Nonfatal disabling-----	49.54	-	42.37	49.92	35.92	-	48.28	46.77	63.37	56.60	50.74
All disabling injuries----	49.54	-	42.37	50.42	35.92	-	48.72	47.10	63.37	57.18	51.15
Nondisabling injuries-----	7.51	-	6.42	106.76	47.89	-	100.06	76.21	266.17	104.54	92.18
All injuries-----	57.05	-	48.79	157.18	83.81	-	148.78	123.31	329.55	161.72	143.33
Per million tons:											
Fatal-----	-	-	-	.45	-	-	.22	.20	-	-	.39
Nonfatal disabling-----	63.91	-	63.91	45.34	3.79	-	23.88	27.91	-	-	48.99
All disabling injuries----	63.91	-	63.91	45.79	3.79	-	24.09	28.11	-	-	49.38
Nondisabling injuries-----	9.68	-	9.68	96.96	5.05	-	49.49	45.48	-	-	89.00
All injuries-----	73.60	-	73.60	142.74	8.84	-	73.58	73.58	-	-	138.38
Severity rates:											
Per million man-hours:											
Fatal-----	-	-	-	2,966	-	-	2,633	1,962	-	3,465	2,426
Nonfatal disabling-----	1,761	-	1,506	2,063	2,239	-	2,078	1,932	2,193	1,479	1,782
All disabling injuries----	1,761	-	1,506	5,028	2,239	-	4,711	3,895	2,193	4,944	4,208
Per million tons:											
Fatal-----	-	-	-	2,693	-	-	1,302	1,171	-	-	2,342
Nonfatal disabling-----	2,272	-	2,272	1,873	236	-	1,028	1,153	-	-	1,720
All disabling injuries----	2,272	-	2,272	4,566	236	-	2,330	2,324	-	-	4,063
Average severity:											
Permanent partial-----	-	-	-	-	-	-	-	-	-	75	75
Temporary total-----	36	-	36	41	62	-	43	41	35	26	35
All disabling injuries----	36	-	36	100	62	-	97	83	35	86	82

TABLE 7. - Injury experience at all coal mines in the United States, by general work location, 1975

	Underground mines			Strip mines	Auger mines	Culm banks	Dredges	Total surface mining	Total mining	Independent shops and yards	Mechanical cleaning plants	Grand total
	Underground	Surface	Total									
Number of injuries:												
Fatal-----	99	12	111	32	3	-	-	35	146	-	9	155
Nonfatal disabling:												
Permanent total-----	10	1	11	2	-	-	-	2	13	-	2	15
Permanent partial-----	118	7	125	36	1	-	-	37	162	-	6	168
Temporary total-----	8,042	509	8,551	1,676	35	10	-	1,721	10,272	89	563	10,924
All nonfatal disabling----	8,170	517	8,687	1,714	36	10	-	1,760	10,447	89	571	11,107
All disabling injuries----	8,269	529	8,798	1,746	39	10	-	1,795	10,593	89	580	11,262
Nondisabling injuries -----	6,441	730	7,171	1,553	19	13	1	1,586	8,757	126	758	9,641
All injuries-----	14,710	1,259	15,969	3,299	58	23	1	3,381	19,350	215	1,338	20,903
Days lost:												
Fatal-----	594,000	72,000	666,000	192,000	18,000	-	-	210,000	876,000	-	54,000	930,000
Nonfatal disabling:												
Permanent total-----	60,000	6,000	66,000	12,000	-	-	-	12,000	78,000	-	12,000	90,000
Permanent partial-----	64,710	2,140	66,850	25,130	60	-	-	25,190	92,040	-	1,225	93,265
Temporary total-----	370,103	22,019	392,122	53,368	804	562	-	54,734	446,856	4,957	19,746	471,559
All nonfatal disabling----	494,813	30,159	524,972	90,498	864	562	-	91,924	616,896	4,957	32,971	654,824
All disabling-----	1,088,813	102,159	1,190,972	282,498	18,864	562	-	301,924	1,492,896	4,957	86,971	1,584,824
Frequency rates:												
Per million man-hours:												
Fatal-----	0.47	0.51	0.47	0.33	2.06	-	-	0.36	0.44	-	0.31	0.42
Nonfatal disabling-----	38.82	22.00	37.13	17.74	24.77	23.54	-	17.86	31.42	13.62	19.60	30.17
All disabling injuries----	39.29	22.51	37.60	18.07	26.83	23.54	-	18.21	31.86	13.62	19.91	30.59
Nondisabling injuries-----	30.60	31.07	30.65	16.07	13.07	30.60	21.78	16.09	26.33	19.29	26.02	26.18
All injuries-----	69.89	53.58	68.25	34.14	39.90	54.15	21.78	34.30	58.19	32.91	45.93	56.77
Per million tons:												
Fatal-----	0.36	-	0.40	0.10	0.65	-	-	0.11	0.24	-	-	0.25
Nonfatal disabling-----	29.32	-	31.18	5.28	7.81	2.96	-	5.29	17.09	-	-	18.17
All disabling injuries----	29.68	-	31.57	5.38	8.46	2.96	-	5.40	17.33	-	-	18.43
Nondisabling injuries-----	23.12	-	25.73	4.79	4.12	3.85	20.77	4.77	14.33	-	-	15.78
All injuries-----	52.79	-	57.31	10.17	12.58	6.81	20.77	10.17	31.66	-	-	34.20
Severity rates:												
Per million man-hours:												
Fatal-----	2,822	3,064	2,846	1,987	12,383	-	-	2,131	2,634	-	1,854	2,526
Nonfatal disabling-----	2,351	1,283	2,244	936	594	1,323	-	933	1,855	759	1,132	1,778
All disabling injuries----	5,173	4,347	5,090	2,923	12,977	1,323	-	3,063	4,489	759	2,986	4,304
Per million tons:												
Fatal-----	2,132	-	2,390	592	3,904	-	-	632	1,433	-	-	1,522
Nonfatal disabling-----	1,776	-	1,884	279	187	166	-	276	1,009	-	-	1,071
All disabling injuries----	3,907	-	4,274	871	4,091	166	-	908	2,443	-	-	2,593
Average severity:												
Permanent partial-----	548	306	535	698	60	-	-	681	568	-	204	555
Temporary total-----	46	43	46	32	23	56	-	32	44	56	35	43
All disabling injuries-----	132	193	135	162	484	56	-	168	141	56	150	141

TABLE 8. - Number of injuries and frequency and severity rates at coal mines in the United States, by degree of injury, 1975

Degree of injury	Bituminous coal mines			Pennsylvania anthracite mines			All coal mines		
	Number of injuries	Injury rates		Number of injuries	Injury rates		Number of injuries	Injury rates	
		Frequency	Severity		Frequency	Severity		Frequency	Severity
Fatal-----	153	0.42	2,527	2	0.40	2,426	155	0.42	2,526
Permanent total-----	15	.04	248	-	-	-	15	.04	244
Permanent partial-----	167	.46	257	1	.20	15	168	.46	253
Temporary total-----	10,674	29.38	1,274	250	50.54	1,767	10,924	29.67	1,281
All nonfatal injuries-----	10,856	29.89	1,778	251	50.74	1,782	11,107	30.17	1,778
All disabling-----	11,009	30.31	4,306	253	51.15	4,208	11,262	30.59	4,304
Nondisabling-----	9,185	25.29		456	92.18		9,641	26.18	
All injuries-----	20,194	55.59		709	143.33		20,903	56.77	

TABLE 9. - Comparative injury data at bituminous coal operations (mines and mechanical cleaning plants) with and without fatalities in the United States, 1975

	Operations reporting fatal injuries	Operations reporting no fatal injuries	All bituminous coal operations
Number of operations 1/-----	133	4,599	4,732
Production-----short tons-----	57,484,846	548,522,061	606,006,907
Proportion of total tonnage-----percent-----	9.5	90.5	100.0
Number of employees-----	20,769	194,235	215,004
Proportion of total employees-----percent-----	9.7	90.3	100.0
Number of employees per operation-----	156	42	45
Man-hours worked-----	40,116,177	323,133,816	363,249,993
Average hours worked per man-----	1,932	1,664	1,690
Production per man-hour-----	1.43	1.70	1.67
Number of fatalities-----	153	-	153
Number of nonfatal disabling injuries-----	1,447	9,409	10,856
Number of nondisabling injuries-----	1,012	8,173	9,185
Fatality rate per million man-hours-----	3.81	-	.42
Nonfatal disabling injury rate per million man-hours-----	36.07	29.12	29.89
Nondisabling injury rate per million man-hours-----	25.23	25.29	25.29

1/ Includes total of 3,960 mines and 772 mechanical cleaning plants.

TABLE 10. - Comparative injury data at Pennsylvania anthracite operations (mines and mechanical cleaning plants) with and without fatalities in the United States, 1975

	Operations reporting fatal injuries	Operations reporting no fatal injuries	All anthracite operations
Number of operations 1/-----	2	271	273
Production-----short tons-----	36,370	5,087,046	5,123,416
Proportion of total tonnage-----percent-----	0.7	99.3	100.0
Number of employees-----	29	3,129	3,158
Proportion of total employees-----percent-----	.9	99.1	100.0
Number of employees per operation-----	14	12	12
Man-hours worked-----	47,607	4,898,987	4,946,594
Average hours worked per man-----	1,642	1,566	1,566
Production per man-hour-----	.76	1.04	1.04
Number of fatalities-----	2	-	2
Number of nonfatal disabling injuries-----	-	251	251
Number of nondisabling injuries-----	3	453	456
Fatality rate per million man-hours-----	42.01	-	.40
Nonfatal disabling injury rate per million man-hours-----	-	51.24	50.74
Nondisabling injury rate per million man-hours-----	63.02	92.47	92.18

1/ Includes total of 209 mines and 64 mechanical cleaning plants.

TABLE 11. - Number of injuries at coal mines in the United States, by principal cause of injury, kind of coal, and general work location, 1975

Principal cause of injury	Bituminous coal mines					Pennsylvania anthracite mines					All coal mines				
	Fatal	Nonfatal disabling	Total disabling	Non-disabling	All injuries	Fatal	Nonfatal disabling	Total disabling	Non-disabling	All injuries	Fatal	Nonfatal disabling	Total disabling	Non-disabling	All injuries
Underground mines:															
Underground:															
Falls of roof or back-----	47	962	1,009	589	1,598	-	1	1	-	1	47	963	1,010	589	1,599
Falls of face or rib-----	6	234	240	146	386	-	4	4	-	4	6	238	244	146	390
Pressure bumps or bursts-----	2	13	15	4	19	-	-	-	-	-	2	13	15	4	19
Sliding or falling material or objects-----	-	169	169	139	308	-	6	6	-	6	-	175	175	139	314
Slips or falls of persons-----	-	642	642	457	1,099	-	5	5	1	6	-	647	647	458	1,105
Handling material-----	-	2,067	2,067	1,738	3,805	-	10	10	3	13	-	2,077	2,077	1,741	3,818
Handtools-----	-	519	519	783	1,302	-	1	1	-	1	-	520	520	783	1,303
Stepping or kneeling on sharp or loose objects-----	-	185	185	205	390	-	1	1	-	1	-	186	186	205	391
Striking or bumping against objects-----	-	126	126	167	293	-	-	-	-	-	-	126	126	167	293
Haulage-----	20	1,411	1,431	869	2,300	-	4	4	-	4	20	1,415	1,435	869	2,304
Explosions of gas or dust-----	-	4	4	3	7	-	-	-	-	-	-	4	4	3	7
Explosives-----	-	42	42	17	59	-	-	-	-	-	-	42	42	17	59
Electricity-----	8	265	273	215	488	-	-	-	-	-	8	265	273	215	488
Machinery-----	16	1,317	1,333	904	2,237	-	1	1	1	2	16	1,318	1,334	905	2,239
Suffocation (no flame or smoldering)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fires or suffocation from fires-----	-	16	16	15	31	-	-	-	-	-	-	16	16	15	31
Miscellaneous causes-----	-	165	165	185	350	-	-	-	-	-	-	165	165	185	350
Total-----	99	8,137	8,236	6,436	14,672	-	33	33	5	38	99	8,170	8,269	6,441	14,710
Surface:															
Falls of face or rib-----	1	-	1	1	2	-	-	-	-	-	1	-	1	1	2
Sliding or falling material or objects-----	-	23	23	21	44	-	-	-	-	-	-	23	23	21	44
Slips or falls of persons-----	1	88	89	113	202	-	-	-	-	-	1	88	89	113	202
Handling material-----	-	185	185	238	423	-	-	-	-	-	-	185	185	238	423
Handtools-----	-	35	35	95	130	-	-	-	-	-	-	35	35	95	130
Stepping or kneeling on sharp or loose objects-----	-	13	13	25	38	-	-	-	-	-	-	13	13	25	38
Striking or bumping against objects-----	-	7	7	11	18	-	-	-	-	-	-	7	7	11	18
Haulage-----	5	80	85	66	151	-	-	-	-	-	5	80	85	66	151
Explosions of gas or dust-----	-	-	-	2	2	-	-	-	-	-	-	-	-	2	2
Explosives-----	-	-	-	5	5	-	-	-	-	-	-	-	-	5	5
Electricity-----	3	12	15	16	31	-	-	-	-	-	3	12	15	16	31
Machinery-----	2	43	45	49	94	-	-	-	-	-	2	43	45	49	94
Suffocation (no flame or smoldering)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fires or suffocation from fires-----	-	1	1	1	2	-	-	-	-	-	-	1	1	1	2
Miscellaneous causes-----	-	30	30	87	117	-	-	-	-	-	-	30	30	87	117
Total-----	12	517	529	730	1,259	-	-	-	-	-	12	517	529	730	1,259
Total, underground mines-----	111	8,654	8,765	7,166	15,931	-	33	33	5	38	111	8,687	8,798	7,171	15,969

TABLE 11. - Number of injuries at coal mines in the United States, by principal cause of injury, kind of coal, and general work location, 1975 - Continued

Principal cause of injury	Bituminous coal mines					Pennsylvania anthracite mines					All coal mines				
	Fatal	Nonfatal disabling	Total disabling	Non-disabling	All injuries	Fatal	Nonfatal disabling	Total disabling	Non-disabling	All injuries	Fatal	Nonfatal disabling	Total disabling	Non-disabling	All injuries
Strip mines:															
Falls of face or side-----	1	15	16	9	25	-	-	-	-	-	1	15	15	9	25
Sliding or falling material or objects-----	3	43	46	21	67	-	4	4	2	6	3	47	50	23	73
Slips or falls of persons-----	1	379	380	193	573	-	43	43	41	84	1	422	423	234	657
Handling material-----	-	350	350	355	705	-	22	22	43	65	-	372	372	398	770
Handtools-----	-	142	142	221	363	-	7	7	34	41	-	149	149	255	404
Stepping or kneeling on sharp or loose objects-----	-	21	21	21	42	-	3	3	8	11	-	24	24	29	53
Striking or bumping against objects-----	-	11	11	19	30	-	2	2	5	7	-	13	13	24	37
Haulage-----	11	176	187	112	299	-	6	6	21	27	11	182	193	133	326
Explosions of gas or dust-----	-	5	5	-	5	-	-	-	-	-	-	5	5	-	5
Explosives-----	1	7	8	6	14	-	-	-	-	-	1	7	8	6	14
Electricity-----	1	16	17	2	19	-	-	-	-	-	1	16	17	2	19
Machinery-----	13	307	320	215	535	1	8	9	28	37	14	315	329	243	572
Fires or suffocation from fires-----	-	10	10	4	14	-	-	-	-	-	-	10	10	4	14
Miscellaneous causes-----	-	131	131	159	290	-	6	6	34	40	-	137	137	193	330
Total-----	31	1,613	1,644	1,337	2,981	1	101	102	216	318	32	1,714	1,746	1,553	3,299
Other surface mining: 1/															
Falls of face or side-----	2	2	4	-	4	-	-	-	-	-	2	2	4	-	4
Sliding or falling material or objects-----	-	2	2	1	3	-	-	-	-	-	-	2	2	1	3
Slips or falls of persons-----	-	15	15	3	18	-	2	2	2	4	-	17	17	5	22
Handling material-----	-	6	6	7	13	-	2	2	8	10	-	8	8	15	23
Handtools-----	-	2	2	5	7	-	-	-	1	1	-	2	2	6	8
Stepping or kneeling on sharp or loose objects-----	-	1	1	-	1	-	-	-	-	-	-	1	1	-	1
Striking or bumping against objects-----	-	-	-	1	1	-	-	-	-	-	-	-	-	1	1
Haulage-----	-	-	-	-	-	-	2	2	1	3	-	2	2	1	3
Machinery-----	1	7	8	4	12	-	3	3	-	3	1	10	11	4	15
Miscellaneous causes-----	-	2	2	-	2	-	-	-	-	-	-	2	2	-	2
Total-----	3	37	40	21	61	-	9	9	12	21	3	46	49	33	82
Total, surface-----	34	1,650	1,684	1,358	3,042	1	110	111	228	339	35	1,760	1,795	1,586	3,381
Total, mining-----	145	10,304	10,449	8,524	18,973	1	143	144	233	377	146	10,447	10,593	8,757	19,350

See footnote at end of table.

TABLE 11. - Number of injuries at coal mines in the United States, by principal cause of injury, kind of coal, and general work location, 1975 - Continued

Principal cause of injury	Bituminous coal mines					Pennsylvania anthracite mines					All coal mines				
	Fatal	Nonfatal disabling	Total disabling	Non-disabling	All injuries	Fatal	Nonfatal disabling	Total disabling	Non-disabling	All injuries	Fatal	Nonfatal disabling	Total disabling	Non-disabling	All injuries
Independent shops and yards:															
Sliding or falling material or objects-----	-	1	1	2	3	-	1	1	1	2	-	2	2	3	5
Slips or falls of persons-----	-	9	9	9	18	-	2	2	6	8	-	11	11	15	26
Handling material-----	-	35	35	30	65	-	1	1	12	13	-	36	36	42	78
Handtools-----	-	4	4	15	19	-	-	-	8	8	-	4	4	23	27
Stepping or kneeling on sharp or loose objects-----	-	-	-	2	2	-	-	-	1	1	-	-	-	3	3
Striking or bumping against objects-----	-	1	1	3	4	-	-	-	-	-	-	1	1	3	4
Haulage-----	-	12	12	2	14	-	2	2	-	2	-	14	14	2	16
Electricity-----	-	2	2	-	2	-	1	1	-	1	-	3	3	-	3
Machinery-----	-	9	9	12	21	-	2	2	1	3	-	11	11	13	24
Miscellaneous causes-----	-	6	6	9	15	-	1	1	13	14	-	7	7	22	29
Total-----	-	79	79	84	163	-	10	10	42	52	-	89	89	126	215
Mechanical cleaning plants:															
Falls of face or side-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	13	13	20	33	-	-	-	7	7	-	13	13	27	40
Slips or falls of persons-----	2	98	100	88	188	-	28	28	28	56	2	126	128	116	244
Handling material-----	-	154	154	190	344	-	32	32	59	91	-	186	186	249	435
Handtools-----	-	41	41	73	114	-	9	9	32	41	-	50	50	105	155
Stepping or kneeling on sharp or loose objects-----	-	7	7	14	21	-	3	3	-	3	-	10	10	14	24
Striking or bumping against objects-----	-	10	10	14	24	-	2	2	2	4	-	12	12	16	28
Haulage-----	2	46	48	53	101	1	11	12	17	29	3	57	60	70	130
Explosions of gas or dust-----	-	3	3	-	3	-	-	-	-	-	-	3	3	-	3
Explosives-----	1	1	2	-	2	-	1	1	-	1	1	1	2	-	2
Electricity-----	2	9	11	6	17	-	1	1	3	4	2	10	12	9	21
Machinery-----	1	50	51	49	100	-	6	6	5	11	1	56	57	54	111
Suffocation (no flame or smoldering)-----	-	1	1	-	1	-	-	-	-	-	-	1	1	-	1
Fires or suffocation from fires-----	-	1	1	-	1	-	-	-	-	-	-	1	1	-	1
Miscellaneous causes-----	-	39	39	70	109	-	6	6	28	34	-	45	45	98	143
Total-----	8	473	481	577	1,058	1	98	99	181	280	9	571	580	758	1,338
Grand total-----	153	10,856	11,009	9,185	20,194	2	251	253	456	709	155	11,107	11,262	9,641	20,903

1/ Includes bituminous coal auger mines and anthracite culm banks and dredges.

TABLE 12. - Days of disability from injuries at coal mines in the United States, by principal cause of injury, kind of coal, and general work location, 1975

Principal cause of injury	Bituminous coal mines			Pennsylvania anthracite mines			All coal mines		
	Fatal	Nonfatal disabling	Total disabling	Fatal	Nonfatal disabling	Total disabling	Fatal	Nonfatal disabling	Total disabling
Underground mines:									
Underground:									
Falls of roof or back-----	282,000	100,882	382,882	-	41	41	282,000	100,923	382,923
Falls of face or rib-----	36,000	15,681	51,681	-	71	71	36,000	15,752	51,752
Pressure bumps or bursts-----	12,000	801	12,801	-	-	-	12,000	801	12,801
Sliding or falling material or objects--	-	6,667	6,667	-	394	394	-	7,061	7,061
Slips or falls of persons-----	-	30,286	30,286	-	27	27	-	30,313	30,313
Handling material-----	-	88,075	88,075	-	425	425	-	88,500	88,500
Handtools-----	-	18,724	18,724	-	1	1	-	18,725	18,725
Stepping or kneeling on sharp or loose objects-----	-	6,288	6,288	-	4	4	-	6,292	6,292
Striking or bumping against objects----	-	4,597	4,597	-	-	-	-	4,597	4,597
Haulage-----	120,000	124,402	244,402	-	163	163	120,000	124,565	244,565
Explosions of gas or dust-----	-	59	59	-	-	-	-	59	59
Explosives-----	-	3,855	3,855	-	-	-	-	3,855	3,855
Electricity-----	48,000	6,437	54,437	-	-	-	48,000	6,437	54,437
Machinery-----	96,000	79,794	175,794	-	47	47	96,000	79,841	175,841
Suffocation (no flame or smoldering)----	-	-	-	-	-	-	-	-	-
Fires or suffocation from fires-----	-	631	631	-	-	-	-	631	631
Miscellaneous causes-----	-	6,461	6,461	-	-	-	-	6,461	6,461
Total-----	594,000	493,640	1,087,640	-	1,173	1,173	594,000	494,813	1,088,813
Surface:									
Falls of face or rib-----	6,000	-	6,000	-	-	-	6,000	-	6,000
Sliding or falling material or objects--	-	6,719	6,719	-	-	-	-	6,719	6,719
Slips or falls of persons-----	6,000	3,599	9,599	-	-	-	6,000	3,599	9,599
Handling material-----	-	8,965	8,965	-	-	-	-	8,965	8,965
Handtools-----	-	1,203	1,203	-	-	-	-	1,203	1,203
Stepping or kneeling on sharp or loose objects-----	-	547	547	-	-	-	-	547	547
Striking or bumping against objects----	-	136	136	-	-	-	-	136	136
Haulage-----	30,000	4,801	34,801	-	-	-	30,000	4,801	34,801
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-
Explosives-----	-	-	-	-	-	-	-	-	-
Electricity-----	18,000	860	18,860	-	-	-	18,000	860	18,860
Machinery-----	12,000	2,806	14,806	-	-	-	12,000	2,806	14,806
Suffocation (no flame or smoldering)----	-	-	-	-	-	-	-	-	-
Fires or suffocation from fires-----	-	45	45	-	-	-	-	45	45
Miscellaneous causes-----	-	478	478	-	-	-	-	478	478
Total-----	72,000	30,159	102,159	-	-	-	72,000	30,159	102,159
Total, underground mines-----	666,000	523,799	1,189,799	-	1,173	1,173	666,000	524,972	1,190,972

TABLE 12. - Days of disability from injuries at coal mines in the United States, by principal cause of injury, kind of coal, and general work location, 1975 - Continued

Principal cause of injury	Bituminous coal mines			Pennsylvania anthracite mines			All coal mines		
	Fatal	Nonfatal disabling	Total disabling	Fatal	Nonfatal disabling	Total disabling	Fatal	Nonfatal disabling	Total disabling
Strip mines:									
Falls of face or side-----	6,000	522	6,522	-	-	-	6,000	522	6,522
Sliding or falling material or objects----	18,000	1,211	19,211	-	322	322	18,000	1,533	19,533
Slips or falls of persons-----	6,000	11,498	17,498	-	1,633	1,633	6,000	13,131	19,131
Handling material-----	-	11,383	11,383	-	898	898	-	12,281	12,281
Handtools-----	-	3,491	3,491	-	174	174	-	3,665	3,665
Stepping or kneeling on sharp or loose objects-----	-	530	530	-	92	92	-	622	622
Striking or bumping against objects-----	-	459	459	-	4	4	-	463	463
Haulage-----	66,000	17,439	83,439	-	146	146	66,000	17,585	83,585
Explosions of gas or dust-----	-	174	174	-	-	-	-	174	174
Explosives-----	6,000	264	6,264	-	-	-	6,000	264	6,264
Electricity-----	6,000	4,230	10,230	-	-	-	6,000	4,230	10,230
Machinery-----	78,000	32,807	110,807	6,000	204	6,204	84,000	33,011	117,011
Fires or suffocation from fires-----	-	380	380	-	-	-	-	380	380
Miscellaneous causes-----	-	1,937	1,937	-	700	700	-	2,637	2,637
Total-----	186,000	86,325	272,325	6,000	4,173	10,173	192,000	90,498	282,498
Other surface mining: <u>1/</u>									
Falls of face or side-----	12,000	35	12,035	-	-	-	12,000	35	12,035
Sliding or falling material or objects----	-	26	26	-	-	-	-	26	26
Slips or falls of persons-----	-	296	296	-	59	59	-	355	355
Handling material-----	-	288	288	-	235	235	-	523	523
Handtools-----	-	25	25	-	-	-	-	25	25
Stepping or kneeling on sharp or loose objects-----	-	13	13	-	-	-	-	13	13
Striking or bumping against objects-----	-	-	-	-	-	-	-	-	-
Haulage-----	-	-	-	-	192	192	-	192	192
Machinery-----	6,000	174	6,174	-	75	75	6,000	249	6,249
Miscellaneous causes-----	-	8	8	-	-	-	-	8	8
Total-----	18,000	865	18,865	-	561	561	18,000	1,426	19,426
Total, surface-----	204,000	87,190	291,190	6,000	4,734	10,734	210,000	91,924	301,924
Total, mining-----	870,000	610,989	1,480,989	6,000	5,907	11,907	876,000	616,896	1,492,896

See footnote at end of table.

TABLE 12. - Days of disability from injuries at coal mines in the United States, by principal cause of injury, kind of coal, and general work location, 1975 - Continued

Principal cause of injury	Bituminous coal mines			Pennsylvania anthracite mines			All coal mines		
	Fatal	Nonfatal disabling	Total disabling	Fatal	Nonfatal disabling	Total disabling	Fatal	Nonfatal disabling	Total disabling
Independent shops and yards:									
Sliding or falling material or objects----	-	2	2	-	30	30	-	32	32
Slips or falls of persons-----	-	658	658	-	97	97	-	755	755
Handling material-----	-	1,934	1,934	-	17	17	-	1,951	1,951
Handtools-----	-	130	130	-	-	-	-	130	130
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	-	-	-
Striking or bumping against objects-----	-	27	27	-	-	-	-	27	27
Haulage-----	-	1,134	1,134	-	168	168	-	1,302	1,302
Electricity-----	-	8	8	-	8	8	-	16	16
Machinery-----	-	673	673	-	4	4	-	677	677
Miscellaneous causes-----	-	45	45	-	22	22	-	67	67
Total-----	-	4,611	4,611	-	346	346	-	4,957	4,957
Mechanical cleaning plants:									
Falls of face or side-----	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects----	-	577	577	-	-	-	-	577	577
Slips or falls of persons-----	12,000	16,333	28,333	-	678	678	12,000	17,011	29,011
Handling material-----	-	5,215	5,215	-	910	910	-	6,125	6,125
Handtools-----	-	635	635	-	250	250	-	885	885
Stepping or kneeling on sharp or loose objects-----	-	154	154	-	26	26	-	180	180
Striking or bumping against objects-----	-	412	412	-	8	8	-	420	420
Haulage-----	12,000	2,127	14,127	6,000	243	6,243	18,000	2,370	20,370
Explosions of gas or dust-----	-	57	57	-	-	-	-	57	57
Explosives-----	6,000	8	6,008	-	-	-	6,000	8	6,008
Electricity-----	12,000	162	12,162	-	59	59	12,000	221	12,221
Machinery-----	6,000	3,941	9,941	-	265	265	6,000	4,206	10,206
Suffocation (no flame or smoldering)-----	-	8	8	-	-	-	-	8	8
Fires or suffocation from fires-----	-	9	9	-	-	-	-	9	9
Miscellaneous causes-----	-	772	772	-	122	122	-	894	894
Total-----	48,000	30,410	78,410	6,000	2,561	8,561	54,000	32,971	86,971
Grand total-----	918,000	646,010	1,564,010	12,000	8,814	20,814	930,000	654,824	1,584,824

1/ Includes bituminous coal auger mines and anthracite culm banks and dredges.

TABLE 13. - Average severity of all disabling injuries at coal mines in the United States, by principal cause of injury, kind of coal, and general work location, 1975

Principal cause of injury	Bituminous coal mines	Pennsylvania anthracite mines	All coal mines
Underground mines:			
Underground:			
Falls of roof or back-----	379	41	379
Falls of face or rib-----	215	18	212
Pressure bumps or bursts-----	853	-	853
Sliding or falling material or objects-----	39	66	40
Slips or falls of persons-----	47	5	47
Handling material-----	43	42	43
Handtools-----	36	1	36
Stepping or kneeling on sharp or loose objects--	34	4	34
Striking or bumping against objects-----	36	-	36
Haulage-----	171	41	170
Explosions of gas or dust-----	15	-	15
Explosives-----	92	-	92
Electricity-----	199	-	199
Machinery-----	132	47	132
Suffocation (no flame or smoldering)-----	-	-	-
Fires or suffocation from fires-----	39	-	39
Miscellaneous causes-----	39	-	39
Total-----	132	36	132
Surface:			
Falls of face or rib-----	6,000	-	6,000
Sliding or falling material or objects-----	292	-	292
Slips or falls of persons-----	108	-	108
Handling material-----	48	-	48
Handtools-----	34	-	34
Stepping or kneeling on sharp or loose objects--	42	-	42
Striking or bumping against objects-----	19	-	19
Haulage-----	409	-	409
Explosions of gas or dust-----	-	-	-
Explosives-----	-	-	-
Electricity-----	1,257	-	1,257
Machinery-----	329	-	329
Suffocation (no flame or smoldering)-----	-	-	-
Fires or suffocation from fires-----	45	-	45
Miscellaneous causes-----	16	-	16
Total-----	193	-	193
Total, underground mines-----	136	36	135
Strip mines:			
Falls of face or side-----	408	-	408
Sliding or falling material or objects-----	418	80	391
Slips or falls of persons-----	46	38	45
Handling material-----	33	41	33
Handtools-----	25	25	25
Stepping or kneeling on sharp or loose objects--	25	31	26
Striking or bumping against objects-----	42	2	36
Haulage-----	446	24	433
Explosions of gas or dust-----	35	-	35
Explosives-----	783	-	783
Electricity-----	602	-	602
Machinery-----	346	689	356
Fires or suffocation from fires-----	38	-	38
Miscellaneous causes-----	15	117	19
Total-----	166	100	162

TABLE 13. - Average severity of all disabling injuries at coal mines in the United States, by principal cause of injury, kind of coal, and general work location, 1975 - Continued

Principal cause of injury	Bituminous coal mines	Pennsylvania anthracite mines	All coal mines
Other surface mining: ^{1/}			
Falls of face or side-----	3,009	-	3,009
Sliding or falling material or objects-----	13	-	13
Slips or falls of persons-----	20	30	21
Handling material-----	48	118	65
Handtools-----	12	-	12
Stepping or kneeling on sharp or loose objects--	13	-	13
Striking or bumping against objects-----	-	-	-
Haulage-----	-	96	96
Machinery-----	772	25	568
Miscellaneous causes-----	4	-	4
Total-----	472	62	396
Total, surface-----	173	97	168
Total, mining-----	142	83	141
Independent shops and yards:			
Sliding or falling material or objects-----	2	30	16
Slips or falls of persons-----	73	48	69
Handling material-----	55	17	54
Handtools-----	32	-	32
Stepping or kneeling on sharp or loose objects--	-	-	-
Striking or bumping against objects-----	27	-	27
Haulage-----	94	84	93
Electricity-----	4	8	5
Machinery-----	75	2	62
Miscellaneous causes-----	8	22	10
Total-----	58	35	56
Mechanical cleaning plants:			
Falls of face or side-----	-	-	-
Sliding or falling material or objects-----	44	-	44
Slips or falls of persons-----	283	24	227
Handling material-----	34	28	33
Handtools-----	15	28	18
Stepping or kneeling on sharp or loose objects--	22	9	18
Striking or bumping against objects-----	41	4	35
Haulage-----	294	520	340
Explosions of gas or dust-----	19	-	19
Explosives-----	3,004	-	3,004
Electricity-----	1,106	59	1,018
Machinery-----	195	44	179
Suffocation (no flame or smoldering)-----	8	-	8
Fires or suffocation from fires-----	9	-	9
Miscellaneous causes-----	20	20	20
Total-----	163	86	150
Grand total-----	142	82	141

^{1/} Includes bituminous coal auger mines and anthracite culm banks and dredges.

TABLE 14. - Number and average severity of injuries at bituminous coal mines, by occupation at the time of injury, general work location, and degree of injury, 1975 - Continued

Occupation at time of injury and general work location	Number of injuries								Distri- bution of all disabling injuries, percent	Average severity		
	Fatal	Nonfatal disabling				All disabling injuries	Non- disabling injuries	All injuries		Perman- ent partial injuries	Temporary total injuries	All disabling injuries ¹
		Permanent		Temporary total	All nonfatal disabling							
		Total	Partial									
Surface mines (includes strip, auger, culm bank, dredge and independent shops and yards):												
Auger operators/helpers-----	3	-	-	19	19	22	17	39	1.2	-	26	841
Bulldozer, grader, mobile equipment operators-----	7	-	1	353	354	361	220	581	20.5	240	30	146
Drillers/helpers-----	-	-	4	92	96	96	72	168	5.4	944	25	63
Electricians/helpers-----	-	-	-	41	41	41	32	73	2.3	-	33	33
Laborers-----	3	-	4	255	259	262	223	485	14.9	788	30	110
Mechanics/helpers-----	3	1	9	259	269	272	248	520	15.4	247	30	125
Oilers and greasers-----	3	-	5	119	124	127	101	228	7.2	974	32	210
Power shovel and dragline operators-----	4	1	2	74	77	81	63	144	4.6	75	31	400
Supervisors and technical-----	3	-	4	47	51	54	79	133	3.1	840	52	441
Truck drivers-----	5	-	2	146	148	153	130	283	8.7	170	42	238
Welders-----	1	-	-	145	145	146	160	306	8.3	-	27	68
Other, not elsewhere classified-----	2	-	6	140	146	148	97	245	8.4	1,180	43	170
Total or average-----	34	2	37	1,690	1,729	1,763	1,442	3,205	-	681	32	168
Mechanical cleaning plants:												
Bulldozer, grader, mobile equipment operators-----	1	-	-	21	21	22	29	51	4.6	-	72	342
Car droppers-----	1	-	-	41	41	42	26	68	8.7	-	32	174
Cleaning equipment operators-----	-	-	-	23	23	23	30	53	4.8	-	33	33
Laborers-----	1	-	-	142	142	143	162	305	29.7	-	33	75
Mechanics, oilers and greasers-----	1	-	2	94	96	97	115	212	20.2	370	43	111
Supervisors and technical-----	2	2	1	22	25	27	43	70	5.6	235	42	932
Tipple, scalper-screen operators-----	-	-	-	19	19	19	31	50	4.0	-	51	51
Truck drivers-----	1	-	-	23	23	24	13	37	5.0	-	31	280
Welders-----	-	-	1	38	39	39	58	97	8.1	75	18	20
Other, not elsewhere classified-----	1	-	1	43	44	45	70	115	9.4	100	38	172
Total or average-----	8	2	5	466	473	481	577	1,058	-	230	37	163
Grand total or average (bituminous)-----	153	15	167	10,674	10,856	11,009	9,185	20,194	-	558	43	142

1/ Less than 0.05.

TABLE 14. - Number and average severity of injuries at bituminous coal mines, by occupation at the time of injury, general work location, and degree of injury, 1975

Occupation at time of injury and general work location	Number of injuries								Distri- bution of all disabling injuries, percent	Average severity		
	Fatal	Nonfatal disabling			All nonfatal disabling	All disabling injuries	Non- disabling injuries	All injuries		Permanent partial injuries	Temporary total injuries	All disabling injuries
		Permanent		Temporary total								
		Total	Partial									
Underground mines:												
Underground:												
Continuous miner operators/helpers-----	11	1	9	601	611	622	472	1,094	7.6	1,266	53	185
Cutting-machine operators/helpers-----	1	1	-	100	101	102	68	170	1.2	-	42	159
Loading machine operators/helpers-----	8	2	2	216	220	228	164	392	2.8	150	47	309
Roof bolters/helpers-----	17	2	33	1,403	1,438	1,455	1,085	2,540	17.7	353	49	134
Timbermen and jacksetters-----	6	1	3	278	282	288	143	431	3.5	240	44	191
Belt and boom operators-----	1	-	2	389	391	392	204	596	4.8	195	47	63
Trainmen-----	5	-	6	270	276	281	306	587	3.4	939	61	186
Shuttle/scoop operators-----	7	-	9	877	886	893	552	1,445	10.8	609	45	98
Electricians/helpers-----	2	-	3	260	263	265	206	471	3.2	112	41	87
Laborers-----	9	-	21	1,614	1,635	1,644	1,296	2,940	20.0	680	40	81
Mechanics, oilers and greasers-----	7	-	12	579	591	598	601	1,199	7.3	145	38	110
Supervisors and technical-----	5	1	2	116	119	124	174	298	1.5	288	73	364
Other, not elsewhere classified-----	20	2	16	1,304	1,322	1,342	1,165	2,507	16.3	763	47	153
Not stated-----	-	-	-	2	2	2	-	2	(1/)	-	44	44
Total or average-----	99	10	118	8,009	8,137	8,236	6,436	14,672	-	548	46	132
Surface:												
Bulldozer, grader, mobile equipment operators-----	-	-	-	19	19	19	22	41	3.6	-	32	32
Car droppers-----	-	-	-	21	21	21	9	30	4.0	-	53	53
Electricians/helpers-----	-	-	1	35	36	36	26	62	6.8	300	60	66
Laborers-----	3	1	-	113	114	117	182	299	22.1	-	49	252
Mechanics/helpers-----	1	-	2	77	79	80	149	229	15.1	545	39	126
Motormen and trainmen-----	-	-	1	11	12	12	14	26	2.3	75	37	40
Supervisors and technical-----	2	-	-	23	23	25	52	77	4.7	-	37	514
Truck drivers-----	1	-	-	14	14	15	23	38	2.8	-	26	424
Other, not elsewhere classified-----	5	-	3	196	199	204	253	457	38.6	225	41	190
Total or average-----	12	1	7	509	517	529	730	1,259	-	306	43	193
Total or average, underground mines (bituminous)	111	11	125	8,518	8,654	8,765	7,166	15,931	-	535	46	136

See footnote at end of table.

TABLE 15. - Number and average severity of injuries at Pennsylvania anthracite mines, by occupation at the time of injury, general work location, and degree of injury, 1975

Occupation at time of injury and general work location	Number of injuries								Distri- bution of all disabling injuries, percent	Average severity		
	Fatal	Nonfatal disabling				All disabling injuries	Non- disabling injuries	All injuries		Permanent partial injuries	Temporary total injuries	All disabling injuries
		Permanent		Temporary total	All nonfatal disabling							
		Total	Partial									
Underground mines:												
Underground:												
Continuous miner operators/helpers-----	-	-	-	1	1	1	-	1	3.0	-	23	23
Trainmen-----	-	-	-	1	1	1	1	2	3.0	-	48	48
Laborers-----	-	-	-	28	28	28	2	30	84.8	-	37	37
Supervisors and technical-----	-	-	-	1	1	1	1	2	3.0	-	47	47
Other, not elsewhere classified-----	-	-	-	2	2	2	1	3	6.1	-	4	4
Total or average-----	-	-	-	33	33	33	5	38	-	-	36	36
Surface: 1/	-	-	-	-	-	-	-	-	-	-	-	-
Total or average, underground mines-----	-	-	-	33	33	33	5	38	-	-	36	36
Surface mines (includes strip, auger, culm bank, dredge, and independent shops and yards):												
Bulldozer, grader, mobile equipment operators-----	1	-	-	9	9	10	16	26	8.3	-	53	648
Drillers/helpers-----	-	-	-	13	13	13	18	31	10.7	-	57	57
Electricians/helpers-----	-	-	-	2	2	2	7	9	1.7	-	7	7
Laborers-----	-	-	-	14	14	14	31	45	11.6	-	32	32
Mechanics/helpers-----	-	-	-	16	16	16	48	64	13.2	-	28	28
Oilers and greasers-----	-	-	-	17	17	17	26	43	14.0	-	19	19
Power shovel and dragline operators-----	-	-	-	14	14	14	28	42	11.6	-	66	66
Supervisors and technical-----	-	-	-	1	1	1	14	15	.8	-	76	76
Truck drivers-----	-	-	-	9	9	9	28	37	7.4	-	46	46
Welders-----	-	-	-	15	15	15	41	56	12.4	-	45	45
Other, not elsewhere classified-----	-	-	-	10	10	10	13	23	8.3	-	53	53
Total or average-----	1	-	-	120	120	121	270	391	-	-	42	92

See footnote at end of table.

TABLE 15. - Number and average severity of injuries at Pennsylvania anthracite mines, by occupation at the time of injury, general work location, and degree of injury, 1975 - Continued

Occupation at time of injury and general work location	Number of injuries								Distri- bution of all disabling injuries, percent	Average severity		
	Fatal	Nonfatal disabling				All disabling injuries	Non- disabling injuries	All injuries		Permanent partial injuries	Temporary total injuries	All disabling injuries
		Permanent		Temporary total	All nonfatal disabling							
		Total	Partial									
Mechanical cleaning plants:												
Bulldozer, grader, mobile equipment operators-----	-	-	-	5	5	5	9	14	5.1	-	34	34
Car droppers-----	-	-	-	15	15	15	9	24	15.2	-	18	18
Cleaning equipment operators-----	-	-	-	8	8	8	18	26	8.1	-	26	26
Laborers-----	-	-	-	35	35	35	49	84	35.4	-	27	27
Mechanics, oilers, and greasers-----	-	-	-	7	7	7	18	25	7.1	-	14	14
Supervisors and technical-----	-	-	-	3	3	3	10	13	3.0	-	65	65
Tipple, scalper-screen operators-----	-	-	-	1	1	1	3	4	1.0	-	2	2
Truck drivers-----	1	-	1	8	9	10	19	29	10.1	75	40	639
Welders-----	-	-	-	8	8	8	20	28	8.1	-	31	31
Other, not elsewhere classified-----	-	-	-	7	7	7	26	33	7.1	-	7	7
Total or average-----	1	-	1	97	98	99	181	280	-	75	26	86
Grand total or average-----	2	-	1	250	251	253	456	709	-	75	35	82

1/ Surface at underground had no injuries at 41 operations reporting.

TABLE 16. - Hour of shift of injury occurrence at bituminous coal operations,
by general work location, 1975

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
Underground:						
First shift ^{1/}						
Hour of shift:						
1st-----	5	195	200	5.9	154	354
2nd-----	5	497	502	14.7	383	885
3rd-----	14	562	576	16.9	480	1,056
4th-----	9	493	502	14.7	431	933
5th-----	2	287	289	8.5	242	531
6th-----	2	355	357	10.5	301	658
7th-----	8	504	512	15.0	438	950
8th-----	4	351	355	10.4	249	604
9th-----	2	66	68	2.0	26	94
10th and over-----	1	53	54	1.6	42	96
Total first shift-----	52	3,363	3,415	-	2,746	6,161
Second shift ^{2/}						
Hour of shift:						
1st-----	-	203	203	7.0	149	352
2nd-----	5	401	406	14.0	317	723
3rd-----	7	478	485	16.8	336	821
4th-----	6	410	416	14.4	322	738
5th-----	1	327	328	11.3	237	565
6th-----	5	362	367	12.7	258	625
7th-----	9	396	405	14.0	265	670
8th-----	-	223	223	7.7	147	370
9th-----	1	20	21	.7	16	37
10th and over-----	-	40	40	1.4	29	69
Total second shift-----	34	2,860	2,894	-	2,076	4,970
Third shift ^{3/}						
Hour of shift:						
1st-----	-	194	194	10.1	182	376
2nd-----	1	290	291	15.1	232	523
3rd-----	4	329	333	17.3	308	641
4th-----	2	291	293	15.2	239	532
5th-----	1	244	245	12.7	172	417
6th-----	4	227	231	12.0	205	436
7th-----	1	201	202	10.5	145	347
8th-----	-	96	96	5.0	102	198
9th-----	-	18	18	.9	13	31
10th and over-----	-	24	24	1.2	16	40
Total third shift-----	13	1,914	1,927	-	1,614	3,541
All shifts						
Hour of shift:						
1st-----	5	592	597	7.2	485	1,082
2nd-----	11	1,188	1,199	14.6	932	2,131
3rd-----	25	1,369	1,394	16.9	1,124	2,518
4th-----	17	1,194	1,211	14.7	992	2,203
5th-----	4	858	862	10.5	651	1,513
6th-----	11	944	955	11.6	764	1,719
7th-----	18	1,101	1,119	13.6	848	1,967
8th-----	4	670	674	8.2	498	1,172
9th-----	3	104	107	1.3	55	162
10th and over-----	1	117	118	1.4	87	205
Total all shifts-----	99	8,137	8,236	-	6,436	14,672

See footnotes at end of table.

TABLE 16. - Hour of shift of injury occurrence at bituminous coal operations,
by general work location, 1975 - Continued

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
Surface at underground:						
First shift ^{1/}						
Hour of shift:						
1st-----	-	22	22	7.2	42	64
2nd-----	-	49	49	16.0	68	117
3rd-----	2	53	55	18.0	76	131
4th-----	-	39	39	12.7	59	98
5th-----	1	22	23	7.5	25	48
6th-----	-	27	27	8.8	54	81
7th-----	1	39	40	13.1	58	98
8th-----	-	19	19	6.2	45	64
9th-----	4	12	16	5.2	20	36
10th and over-----	-	16	16	5.2	16	32
Total first shift-----	8	298	306	-	463	769
Second shift ^{2/}						
Hour of shift:						
1st-----	-	19	19	13.6	28	47
2nd-----	1	24	25	17.9	29	54
3rd-----	-	17	17	12.1	21	38
4th-----	-	13	13	9.3	21	34
5th-----	-	12	12	8.6	14	26
6th-----	-	15	15	10.7	15	30
7th-----	-	10	10	7.1	12	22
8th-----	-	11	11	7.9	13	24
9th-----	-	10	10	7.1	3	13
10th and over-----	-	8	8	5.7	13	21
Total second shift-----	1	139	140	-	169	309
Third shift ^{3/}						
Hour of shift:						
1st-----	1	14	15	18.1	18	33
2nd-----	-	12	12	14.5	21	33
3rd-----	-	12	12	14.5	16	28
4th-----	-	11	11	13.3	9	20
5th-----	-	7	7	8.4	3	10
6th-----	-	4	4	4.8	8	12
7th-----	1	6	7	8.4	5	12
8th-----	-	4	4	4.8	4	8
9th-----	-	2	2	2.4	9	11
10th and over-----	1	8	9	10.8	5	14
Total third shift-----	3	80	83	-	98	181
All shifts						
Hour of shift:						
1st-----	1	55	56	10.6	88	144
2nd-----	1	85	86	16.3	118	204
3rd-----	2	82	84	15.9	113	197
4th-----	-	63	63	11.9	89	152
5th-----	1	41	42	7.9	42	84
6th-----	-	46	46	8.7	77	123
7th-----	2	55	57	10.8	75	132
8th-----	-	34	34	6.4	62	96
9th-----	4	24	28	5.3	32	60
10th and over-----	1	32	33	6.2	34	67
Total all shifts-----	12	517	529	-	730	1,259

See footnotes at end of table.

TABLE 16. - Hour of shift of injury occurrence at bituminous coal operations,
by general work location, 1975 - Continued

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
Strip:						
First shift ^{1/}						
Hour of shift:						
1st-----	-	90	90	8.1	68	158
2nd-----	3	133	136	12.2	127	263
3rd-----	4	145	149	13.4	133	282
4th-----	1	136	137	12.3	134	271
5th-----	2	101	103	9.2	94	197
6th-----	4	87	91	8.2	76	167
7th-----	3	144	147	13.2	119	266
8th-----	-	119	119	10.7	126	245
9th-----	-	61	61	5.5	64	125
10th and over-----	-	83	83	7.4	68	151
Total first shift-----	17	1,099	1,116	-	1,009	2,125
Second shift ^{2/}						
Hour of shift:						
1st-----	4	44	48	12.9	24	72
2nd-----	-	62	62	16.6	52	114
3rd-----	1	39	40	10.7	33	73
4th-----	-	36	36	9.7	33	69
5th-----	1	25	26	7.0	34	60
6th-----	1	41	42	11.3	27	69
7th-----	1	48	49	13.1	19	68
8th-----	-	40	40	10.7	12	52
9th-----	1	13	14	3.8	4	18
10th and over-----	2	14	16	4.3	11	27
Total second shift-----	11	362	373	-	249	622
Third shift ^{3/}						
Hour of shift:						
1st-----	-	23	23	14.8	7	30
2nd-----	-	29	29	18.7	13	42
3rd-----	2	27	29	18.7	15	44
4th-----	1	14	15	9.7	10	25
5th-----	-	9	9	5.8	10	19
6th-----	-	20	20	12.9	9	29
7th-----	-	18	18	11.6	7	25
8th-----	-	9	9	5.8	1	10
9th-----	-	-	-	-	1	1
10th and over-----	-	3	3	1.9	6	9
Total third shift-----	3	152	155	-	79	234
All shifts						
Hour of shift:						
1st-----	4	157	161	9.8	99	260
2nd-----	3	224	227	13.8	192	419
3rd-----	7	211	218	13.3	181	399
4th-----	2	186	188	11.4	177	365
5th-----	3	135	138	8.4	138	276
6th-----	5	148	153	9.3	112	265
7th-----	4	210	214	13.0	145	359
8th-----	-	168	168	10.2	139	307
9th-----	1	74	75	4.6	69	144
10th and over-----	2	100	102	6.2	85	187
Total all shifts-----	31	1,613	1,644	-	1,337	2,981

See footnotes at end of table.

TABLE 16. - Hour of shift of injury occurrence at bituminous coal operations,
by general work location, 1975 - Continued

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
Auger:						
First shift <u>1</u> /						
Hour of shift:						
1st-----	-	1	1	2.7	-	1
2nd-----	1	7	8	21.6	3	11
3rd-----	-	3	3	8.1	3	6
4th-----	-	2	2	5.4	1	3
5th-----	-	5	5	13.5	2	7
6th-----	-	-	-	-	-	-
7th-----	1	6	7	18.9	2	9
8th-----	-	5	5	13.5	7	12
9th-----	-	2	2	5.4	1	3
10th and over-----	-	4	4	10.8	-	4
Total first shift-----	2	35	37	-	19	56
Second shift <u>2</u> /						
Hour of shift:						
1st-----	-	-	-	-	-	-
2nd-----	1	-	1	50.0	-	1
3rd-----	-	-	-	-	-	-
4th-----	-	-	-	-	-	-
5th-----	-	-	-	-	-	-
6th-----	-	-	-	-	-	-
7th-----	-	1	1	50.0	-	1
8th-----	-	-	-	-	-	-
9th-----	-	-	-	-	-	-
10th and over-----	-	-	-	-	-	-
Total second shift-----	1	1	2	-	-	2
Third shift <u>3</u> /						
Hour of shift:						
1st-----	-	-	-	-	-	-
2nd-----	-	-	-	-	-	-
3rd-----	-	-	-	-	-	-
4th-----	-	-	-	-	-	-
5th-----	-	-	-	-	-	-
6th-----	-	-	-	-	-	-
7th-----	-	-	-	-	-	-
8th-----	-	-	-	-	-	-
9th-----	-	-	-	-	-	-
10th and over-----	-	-	-	-	-	-
Total third shift-----	-	-	-	-	-	-
All shifts						
Hour of shift:						
1st-----	-	1	1	2.6	-	1
2nd-----	2	7	9	23.1	3	12
3rd-----	-	3	3	7.7	3	6
4th-----	-	2	2	5.1	1	3
5th-----	-	5	5	12.8	2	7
6th-----	-	-	-	-	-	-
7th-----	1	7	8	20.5	2	10
8th-----	-	5	5	12.8	7	12
9th-----	-	2	2	5.1	1	3
10th and over-----	-	4	4	10.3	-	4
Total all shifts-----	3	36	39	-	19	58

See footnotes at end of table.

TABLE 16. - Hour of shift of injury occurrence at bituminous coal operations,
by general work location, 1975 - Continued

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
Other surface:						
First shift 1/						
Hour of shift:						
1st-----	-	-	-	-	-	-
2nd-----	-	-	-	-	1	1
3rd-----	-	-	-	-	-	-
4th-----	-	-	-	-	-	-
5th-----	-	1	1	100.0	-	1
6th-----	-	-	-	-	-	-
7th-----	-	-	-	-	1	1
8th-----	-	-	-	-	-	-
9th-----	-	-	-	-	-	-
10th and over-----	-	-	-	-	2	2
Total first shift-----	-	1	1	-	2	3
Second shift 2/						
Hour of shift:						
1st-----	-	-	-	-	-	-
2nd-----	-	-	-	-	-	-
3rd-----	-	-	-	-	-	-
4th-----	-	-	-	-	-	-
5th-----	-	-	-	-	-	-
6th-----	-	-	-	-	-	-
7th-----	-	-	-	-	-	-
8th-----	-	-	-	-	-	-
9th-----	-	-	-	-	-	-
10th and over-----	-	-	-	-	-	-
Total second shift-----	-	-	-	-	-	-
Third shift 3/						
Hour of shift:						
1st-----	-	-	-	-	-	-
2nd-----	-	-	-	-	-	-
3rd-----	-	-	-	-	-	-
4th-----	-	-	-	-	-	-
5th-----	-	-	-	-	-	-
6th-----	-	-	-	-	-	-
7th-----	-	-	-	-	-	-
8th-----	-	-	-	-	-	-
9th-----	-	-	-	-	-	-
10th and over-----	-	-	-	-	-	-
Total third shift-----	-	-	-	-	-	-
All shifts						
Hour of shift:						
1st-----	-	-	-	-	-	-
2nd-----	-	-	-	-	1	1
3rd-----	-	-	-	-	-	-
4th-----	-	-	-	-	-	-
5th-----	-	1	1	100.0	-	1
6th-----	-	-	-	-	-	-
7th-----	-	-	-	-	1	1
8th-----	-	-	-	-	-	-
9th-----	-	-	-	-	-	-
10th and over-----	-	-	-	-	2	2
Total all shifts-----	-	1	1	-	2	3

See footnotes at end of table.

TABLE 16. - Hour of shift of injury occurrence at bituminous coal operations,
by general work location, 1975 - Continued

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
Independent shops and yards:						
First shift ^{1/}						
Hour of shift:						
1st-----	-	4	4	6.7	2	6
2nd-----	-	6	6	10.0	10	16
3rd-----	-	6	6	10.0	10	16
4th-----	-	15	15	25.0	5	20
5th-----	-	5	5	8.3	5	10
6th-----	-	8	8	13.3	10	18
7th-----	-	8	8	13.3	7	15
8th-----	-	6	6	10.0	4	10
9th-----	-	2	2	3.3	1	3
10th and over-----	-	-	-	-	-	-
Total first shift-----	-	60	60	-	54	114
Second shift ^{2/}						
Hour of shift:						
1st-----	-	-	-	-	6	6
2nd-----	-	2	2	18.2	3	5
3rd-----	-	4	4	36.4	2	6
4th-----	-	2	2	18.2	2	4
5th-----	-	-	-	-	3	3
6th-----	-	1	1	9.1	3	4
7th-----	-	1	1	9.1	1	2
8th-----	-	1	1	9.1	1	2
9th-----	-	-	-	-	1	1
10th and over-----	-	-	-	-	-	-
Total second shift-----	-	11	11	-	22	33
Third shift ^{3/}						
Hour of shift:						
1st-----	-	-	-	-	1	1
2nd-----	-	2	2	25.0	3	5
3rd-----	-	1	1	12.5	1	2
4th-----	-	-	-	-	2	2
5th-----	-	2	2	25.0	1	3
6th-----	-	2	2	25.0	-	2
7th-----	-	-	-	-	-	-
8th-----	-	1	1	12.5	-	1
9th-----	-	-	-	-	-	-
10th and over-----	-	-	-	-	-	-
Total third shift-----	-	8	8	-	8	16
All shifts						
Hour of shift:						
1st-----	-	4	4	5.1	9	13
2nd-----	-	10	10	12.7	16	26
3rd-----	-	11	11	13.9	13	24
4th-----	-	17	17	21.5	9	26
5th-----	-	7	7	8.9	9	16
6th-----	-	11	11	13.9	13	24
7th-----	-	9	9	11.4	8	17
8th-----	-	8	8	10.1	5	13
9th-----	-	2	2	2.5	2	4
10th and over-----	-	-	-	-	-	-
Total all shifts-----	-	79	79	-	84	163

See footnotes at end of table.

TABLE 16. - Hour of shift of injury occurrence at bituminous coal operations,
by general work location, 1975 - Continued

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
Mechanical cleaning plants:						
First shift ^{1/}						
Hour of shift:						
1st-----	-	28	28	9.2	22	50
2nd-----	-	44	44	14.5	50	94
3rd-----	-	46	46	15.1	73	119
4th-----	1	45	46	15.1	51	97
5th-----	1	21	22	7.2	25	47
6th-----	-	30	30	9.9	34	64
7th-----	1	37	38	12.5	38	76
8th-----	1	26	27	8.9	36	63
9th-----	-	14	14	4.6	15	29
10th and over-----	-	9	9	3.0	18	27
Total first shift-----	4	300	304	-	362	666
Second shift ^{2/}						
Hour of shift:						
1st-----	-	9	9	8.4	12	21
2nd-----	-	20	20	18.7	23	43
3rd-----	1	14	15	14.0	23	38
4th-----	-	14	14	13.1	10	24
5th-----	-	13	13	12.1	12	25
6th-----	-	16	16	15.0	12	28
7th-----	1	10	11	10.3	17	28
8th-----	-	5	5	4.7	5	10
9th-----	-	3	3	2.8	6	9
10th and over-----	-	1	1	1.0	5	6
Total second shift-----	2	105	107	-	125	232
Third shift ^{3/}						
Hour of shift:						
1st-----	-	10	10	14.3	8	18
2nd-----	-	3	3	4.3	9	12
3rd-----	-	13	13	18.6	22	35
4th-----	1	8	9	12.9	14	23
5th-----	-	10	10	14.3	16	26
6th-----	-	10	10	14.3	9	19
7th-----	-	9	9	12.9	4	13
8th-----	1	4	5	7.1	4	9
9th-----	-	1	1	1.4	2	3
10th and over-----	-	-	-	-	2	2
Total third shift-----	2	68	70	-	90	160
All shifts						
Hour of shift:						
1st-----	-	47	47	9.8	42	89
2nd-----	-	67	67	13.9	82	149
3rd-----	1	73	74	15.4	118	192
4th-----	2	67	69	14.3	75	144
5th-----	1	44	45	9.4	53	98
6th-----	-	56	56	11.6	55	111
7th-----	2	56	58	12.1	59	117
8th-----	2	35	37	7.7	45	82
9th-----	-	18	18	3.7	23	41
10th and over-----	-	10	10	2.1	25	35
Total all shifts-----	8	473	481	-	577	1,058

See footnotes at end of table.

TABLE 16. - Hour of shift of injury occurrence at bituminous coal operations,
by general work location, 1975 - Continued

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
All work locations:						
First shift ^{1/}						
Hour of shift:						
1st-----	5	340	345	6.6	288	633
2nd-----	9	736	745	14.2	641	1,386
3rd-----	20	815	835	15.9	776	1,611
4th-----	11	730	741	14.1	681	1,422
5th-----	6	442	448	8.6	393	841
6th-----	6	507	513	9.8	475	988
7th-----	14	738	752	14.4	663	1,415
8th-----	5	526	531	10.1	467	998
9th-----	6	157	163	3.1	127	290
10th and over-----	1	165	166	3.2	144	310
Total first shift-----	83	5,156	5,239	-	4,655	9,894
Second shift ^{2/}						
Hour of shift:						
1st-----	4	275	279	7.9	219	498
2nd-----	7	509	516	14.6	424	940
3rd-----	9	552	561	15.9	415	976
4th-----	6	475	481	13.6	388	869
5th-----	2	377	379	10.7	300	679
6th-----	6	435	441	12.5	315	756
7th-----	11	466	477	13.5	314	791
8th-----	-	280	280	7.9	178	458
9th-----	2	46	48	1.4	30	78
10th and over-----	2	63	65	1.8	58	123
Total second shift-----	49	3,478	3,527	-	2,641	6,168
Third shift ^{3/}						
Hour of shift:						
1st-----	1	241	242	10.8	216	458
2nd-----	1	336	337	15.0	278	615
3rd-----	6	382	388	17.3	362	750
4th-----	4	324	328	14.6	274	602
5th-----	1	272	273	12.2	202	475
6th-----	4	263	267	11.9	231	498
7th-----	2	234	236	10.5	161	397
8th-----	1	114	115	5.1	111	226
9th-----	-	21	21	.9	25	46
10th and over-----	1	35	36	1.6	29	65
Total third shift-----	21	2,222	2,243	-	1,889	4,132
All shifts						
Hour of shift:						
1st-----	10	856	866	7.9	723	1,589
2nd-----	17	1,581	1,598	14.5	1,343	2,941
3rd-----	35	1,749	1,784	16.2	1,553	3,337
4th-----	21	1,529	1,550	14.1	1,343	2,893
5th-----	9	1,091	1,100	10.0	895	1,995
6th-----	16	1,205	1,221	11.1	1,021	2,242
7th-----	27	1,438	1,465	13.3	1,138	2,603
8th-----	6	920	926	8.4	756	1,682
9th-----	8	224	232	2.1	182	414
10th and over-----	4	263	267	2.4	231	498
Total all shifts-----	153	10,856	11,009	-	9,185	20,194

^{1/} Work shift starting anytime between 4:00 A.M. and 11:59 A.M.

^{2/} Work shift starting anytime between 12:00 noon and 7:59 P.M.

^{3/} Work shift starting anytime between 8:00 P.M. and 3:59 A.M.

TABLE 17. - Hour of shift of injury occurrence at Pennsylvania anthracite operations,
by general work location, 1975

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
Underground:						
First shift: 1/						
Hour of shift:						
1st -----	-	-	-	-	-	-
2nd -----	-	4	4	13.8	1	5
3rd -----	-	2	2	6.9	1	3
4th -----	-	3	3	10.3	-	3
5th -----	-	6	6	20.7	-	6
6th -----	-	2	2	6.9	1	3
7th -----	-	11	11	37.9	1	12
8th -----	-	1	1	3.4	1	2
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	-	-
Total first shift --	-	29	29	-	5	34
Second shift: 2/						
Hour of shift:						
1st -----	-	1	1	25.0	-	1
2nd -----	-	-	-	-	-	-
3rd -----	-	2	2	50.0	-	2
4th -----	-	-	-	-	-	-
5th -----	-	1	1	25.0	-	1
6th -----	-	-	-	-	-	-
7th -----	-	-	-	-	-	-
8th -----	-	-	-	-	-	-
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	-	-
Total second shift -	-	4	4	-	-	4
Third shift: 3/						
Hour of shift:						
1st -----	-	-	-	-	-	-
2nd -----	-	-	-	-	-	-
3rd -----	-	-	-	-	-	-
4th -----	-	-	-	-	-	-
5th -----	-	-	-	-	-	-
6th -----	-	-	-	-	-	-
7th -----	-	-	-	-	-	-
8th -----	-	-	-	-	-	-
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	-	-
Total third shift --	-	-	-	-	-	-
All shifts:						
Hour of shift:						
1st -----	-	1	1	3.0	-	1
2nd -----	-	4	4	12.1	1	5
3rd -----	-	4	4	12.1	1	5
4th -----	-	3	3	9.1	-	3
5th -----	-	7	7	21.2	-	7
6th -----	-	2	2	6.1	1	3
7th -----	-	11	11	33.3	1	12
8th -----	-	1	1	3.0	1	2
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	-	-
Total all shifts ---	-	33	33	-	5	38

See footnotes at end of table.

TABLE 17. - Hour of shift of injury occurrence at Pennsylvania anthracite operations,
by general work location, 1975 - Continued

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
Strip:						
First shift: 1/						
Hour of shift:						
1st -----	-	4	4	6.3	11	15
2nd -----	-	16	16	25.4	18	34
3rd -----	-	4	4	6.3	15	19
4th -----	-	12	12	19.0	31	43
5th -----	-	12	12	19.0	32	44
6th -----	-	1	1	1.6	6	7
7th -----	1	6	7	11.1	18	25
8th -----	-	2	2	3.2	8	10
9th -----	-	2	2	3.2	4	6
10th and over -----	-	3	3	4.8	3	6
Total first shift --	1	62	63	-	146	209
Second shift: 2/						
Hour of shift:						
1st -----	-	9	9	31.0	6	15
2nd -----	-	4	4	13.8	7	11
3rd -----	-	3	3	10.3	6	9
4th -----	-	3	3	10.3	10	13
5th -----	-	3	3	10.3	6	9
6th -----	-	5	5	17.2	8	13
7th -----	-	1	1	3.4	6	7
8th -----	-	-	-	-	2	2
9th -----	-	1	1	3.4	-	1
10th and over -----	-	-	-	-	-	-
Total second shift -	-	29	29	-	51	80
Third shift: 3/						
Hour of shift:						
1st -----	-	1	1	10.0	2	3
2nd -----	-	2	2	20.0	3	5
3rd -----	-	1	1	10.0	1	2
4th -----	-	1	1	10.0	4	5
5th -----	-	1	1	10.0	4	5
6th -----	-	3	3	30.0	2	5
7th -----	-	1	1	10.0	1	2
8th -----	-	-	-	-	1	1
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	1	1
Total third shift --	-	10	10	-	19	29
All shifts:						
Hour of shift:						
1st -----	-	14	14	13.7	19	33
2nd -----	-	22	22	21.6	28	50
3rd -----	-	8	8	7.8	22	30
4th -----	-	16	16	15.7	45	61
5th -----	-	16	16	15.7	42	58
6th -----	-	9	9	8.8	16	25
7th -----	1	8	9	8.8	25	34
8th -----	-	2	2	2.0	11	13
9th -----	-	3	3	2.9	4	7
10th and over -----	-	3	3	2.9	4	7
Total all shifts ---	1	101	102	-	216	318

See footnotes at end of table.

TABLE 17. - Hour of shift of injury occurrence at Pennsylvania anthracite operations,
by general work location, 1975 - Continued

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
Culm banks:						
First shift: 1/						
Hour of shift:						
1st -----	-	-	-	-	-	-
2nd -----	-	2	2	28.6	2	4
3rd -----	-	-	-	-	2	2
4th -----	-	-	-	-	1	1
5th -----	-	2	2	28.6	-	2
6th -----	-	-	-	-	-	-
7th -----	-	2	2	28.6	2	4
8th -----	-	1	1	14.3	-	1
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	-	-
Total first shift --	-	7	7	-	7	14
Second shift: 2/						
Hour of shift:						
1st -----	-	-	-	-	-	-
2nd -----	-	-	-	-	1	1
3rd -----	-	-	-	-	1	1
4th -----	-	1	1	50.0	2	3
5th -----	-	-	-	-	-	-
6th -----	-	1	1	50.0	1	2
7th -----	-	-	-	-	-	-
8th -----	-	-	-	-	-	-
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	-	-
Total second shift --	-	2	2	-	5	7
Third shift: 3/						
Hour of shift:						
1st -----	-	-	-	-	-	-
2nd -----	-	-	-	-	-	-
3rd -----	-	-	-	-	-	-
4th -----	-	-	-	-	-	-
5th -----	-	-	-	-	-	-
6th -----	-	-	-	-	-	-
7th -----	-	-	-	-	-	-
8th -----	-	-	-	-	-	-
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	-	-
Total third shift --	-	-	-	-	-	-
All shifts:						
Hour of shift:						
1st -----	-	-	-	-	-	-
2nd -----	-	2	2	22.2	3	5
3rd -----	-	-	-	-	3	3
4th -----	-	1	1	11.1	3	4
5th -----	-	2	2	22.2	-	2
6th -----	-	-	-	-	1	1
7th -----	-	3	3	33.3	2	5
8th -----	-	1	1	11.1	-	1
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	-	-
Total all shifts ---	-	9	9	-	12	21

See footnotes at end of table.

TABLE 17. - Hour of shift of injury occurrence at Pennsylvania anthracite operations, by general work location, 1975 - Continued

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
Independent shops and yards:						
First shift: 1/						
Hour of shift:						
1st -----	-	-	-	-	4	4
2nd -----	-	1	1	14.3	3	4
3rd -----	-	2	2	28.6	2	4
4th -----	-	-	-	-	7	7
5th -----	-	2	2	28.6	4	6
6th -----	-	-	-	-	3	3
7th -----	-	1	1	14.3	4	5
8th -----	-	1	1	14.3	4	5
9th -----	-	-	-	-	1	1
10th and over -----	-	-	-	-	1	1
Total first shift --	-	7	7	-	33	40
Second shift: 2/						
Hour of shift:						
1st -----	-	-	-	-	-	-
2nd -----	-	-	-	-	3	3
3rd -----	-	-	-	-	2	2
4th -----	-	-	-	-	1	1
5th -----	-	1	1	33.3	2	3
6th -----	-	2	2	66.7	-	2
7th -----	-	-	-	-	-	-
8th -----	-	-	-	-	1	1
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	-	-
Total second shift -	-	3	3	-	9	12
Third shift: 3/						
Hour of shift:						
1st -----	-	-	-	-	-	-
2nd -----	-	-	-	-	-	-
3rd -----	-	-	-	-	-	-
4th -----	-	-	-	-	-	-
5th -----	-	-	-	-	-	-
6th -----	-	-	-	-	-	-
7th -----	-	-	-	-	-	-
8th -----	-	-	-	-	-	-
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	-	-
Total third shift --	-	-	-	-	-	-
All shifts:						
Hour of shift:						
1st -----	-	-	-	-	4	4
2nd -----	-	1	1	10.0	6	7
3rd -----	-	2	2	20.0	4	6
4th -----	-	-	-	-	8	8
5th -----	-	3	3	30.0	6	9
6th -----	-	2	2	20.0	3	5
7th -----	-	1	1	10.0	4	5
8th -----	-	1	1	10.0	5	6
9th -----	-	-	-	-	1	1
10th and over -----	-	-	-	-	1	1
Total all shifts ---	-	10	10	-	42	52

See footnotes at end of table.

TABLE 17. Hour of shift of injury occurrence at Pennsylvania anthracite operations,
by general work location, 1975 - Continued

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
Mechanical cleaning plants:						
First shift: 1/						
Hour of shift:						
1st -----	-	7	7	10.8	10	17
2nd -----	1	5	6	8.2	11	17
3rd -----	-	6	6	9.2	18	24
4th -----	-	13	13	20.6	20	33
5th -----	-	11	11	16.9	31	42
6th -----	-	8	8	12.3	5	13
7th -----	-	7	7	10.8	19	26
8th -----	-	6	6	9.2	9	15
9th -----	-	1	1	1.5	1	2
10th and over -----	-	-	-	-	1	1
Total first shift ---	1	64	65	-	125	190
Second shift: 2/						
Hour of shift:						
1st -----	-	4	4	14.3	4	8
2nd -----	-	6	6	21.4	6	12
3rd -----	-	4	4	14.3	7	11
4th -----	-	6	6	21.4	2	8
5th -----	-	3	3	10.7	8	11
6th -----	-	3	3	10.7	5	8
7th -----	-	1	1	3.6	7	8
8th -----	-	1	1	3.6	2	3
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	-	-
Total second shift -	-	28	28	-	41	69
Third shift: 3/						
Hour of shift:						
1st -----	-	1	1	16.7	3	4
2nd -----	-	2	2	33.3	1	3
3rd -----	-	-	-	-	3	3
4th -----	-	1	1	16.7	-	1
5th -----	-	-	-	-	1	1
6th -----	-	-	-	-	3	3
7th -----	-	1	1	16.7	1	2
8th -----	-	1	1	16.7	1	2
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	2	2
Total third shift ---	-	6	6	-	15	21
All shifts:						
Hour of shift:						
1st -----	-	12	12	12.1	17	29
2nd -----	1	13	14	14.1	18	32
3rd -----	-	10	10	10.1	28	38
4th -----	-	20	20	20.2	22	42
5th -----	-	14	14	14.1	40	54
6th -----	-	11	11	11.1	13	24
7th -----	-	9	9	9.1	27	36
8th -----	-	8	8	8.1	12	20
9th -----	-	1	1	1.0	1	2
10th and over -----	-	-	-	-	3	3
Total all shifts ---	1	98	99	-	181	280

See footnotes at end of table.

TABLE 17. - Hour of shift of injury occurrence at Pennsylvania anthracite operations,
by general work location, 1975 - Continued

Work location, shift designation, and hour of shift	Disabling injuries			Distribution of all disabling injuries, percent	Nondisabling injuries	All injuries
	Fatal	Nonfatal	All disabling			
All work locations:						
First shift: 1/						
Hour of shift:						
1st -----	-	11	11	6.4	25	36
2nd -----	1	28	29	17.0	35	64
3rd -----	-	14	14	8.2	38	52
4th -----	-	28	28	16.4	59	87
5th -----	-	33	33	19.3	67	100
6th -----	-	11	11	6.4	15	26
7th -----	1	27	28	16.4	44	72
8th -----	-	11	11	6.4	22	33
9th -----	-	3	3	1.8	6	9
10th and over -----	-	3	3	1.8	5	8
Total first shift --	2	169	171	-	316	487
Second shift: 2/						
Hour of shift:						
1st -----	-	14	14	21.2	10	24
2nd -----	-	10	10	15.2	17	27
3rd -----	-	9	9	13.6	16	25
4th -----	-	10	10	15.2	15	25
5th -----	-	8	8	12.1	16	24
6th -----	-	10	10	15.2	13	23
7th -----	-	3	3	4.5	14	17
8th -----	-	1	1	1.5	5	6
9th -----	-	1	1	1.5	-	1
10th and over -----	-	-	-	-	-	-
Total second shift --	-	66	66	-	106	172
Third shift: 3/						
Hour of shift:						
1st -----	-	2	2	12.5	5	7
2nd -----	-	4	4	25.0	4	8
3rd -----	-	1	1	6.2	4	5
4th -----	-	2	2	12.5	4	6
5th -----	-	1	1	6.2	5	6
6th -----	-	3	3	18.8	5	8
7th -----	-	2	2	12.5	2	4
8th -----	-	1	1	6.2	2	3
9th -----	-	-	-	-	-	-
10th and over -----	-	-	-	-	3	3
Total third shift --	-	16	16	-	34	50
All shifts:						
Hour of shift:						
1st -----	-	27	27	10.7	40	67
2nd -----	1	42	43	17.0	56	99
3rd -----	-	24	24	9.5	58	82
4th -----	-	40	40	15.8	78	118
5th -----	-	42	42	16.6	88	130
6th -----	-	24	24	9.5	33	57
7th -----	1	32	33	13.0	60	93
8th -----	-	13	13	5.1	29	42
9th -----	-	4	4	1.6	6	10
10th and over -----	-	3	3	1.2	8	11
Total all shifts ---	2	251	253	-	456	709

1/ Work shift starting anytime between 4:00 A.M. and 11:59 A.M.
2/ Work shift starting anytime between 12:00 noon and 7:59 P.M.
3/ Work shift starting anytime between 8:00 P.M. and 3:59 A.M.

TABLE 18. - Number of injuries, injury rates and average severity at bituminous coal mines in the United States, by part of body injured, 1975

General work location and part of body injured	Number of injuries							Distribution of all disabling injuries, percent	Frequency rates per million man-hours				Severity rates per million man-hours			Average severity					
	Fatal	Nonfatal disabling			All non-fatal disabling	All disabling injuries	Non-disabling injuries		All injuries	Fatal	Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Permanent partial	Temporary total	All disabling		
		Permanent		Temporary total																Total	Partial
		Total	Partial																		
Underground mines:																					
Underground:																					
Head, face, neck (excl. eye)-----	18	1	1	616	618	636	744	1,380	7.7	0.09	2.95	3.03	3.55	515	150	665	1,800	38	219		
Eye-----	-	-	1	311	312	312	312	882	3.8	-	1.49	1.49	2.72	-	37	37	1,800	19	25		
Trunk-----	12	4	-	2,425	2,429	2,441	1,308	3,749	29.6	.06	11.58	11.63	6.23	343	728	1,071	-	53	92		
Arm (above wrist)-----	-	-	3	382	385	385	347	732	4.7	-	1.84	1.84	1.65	-	143	143	3,900	48	78		
Wrist, hand, fingers-----	-	1	98	1,562	1,661	1,661	1,825	3,486	20.2	-	7.92	7.92	8.70	-	370	370	201	33	47		
Leg (above ankle)-----	-	-	9	944	954	954	664	1,618	11.6	-	4.55	4.55	3.16	-	426	426	3,100	59	94		
Ankle, foot, toes-----	-	-	6	1,052	1,058	1,058	631	1,689	12.8	-	5.04	5.04	3.01	-	204	204	306	39	40		
Multiple-----	54	3	-	613	616	670	279	949	8.1	.26	2.94	3.19	1.33	1,544	278	1,823	-	66	571		
Unclassified (no data)-----	15	-	-	104	104	119	68	187	1.4	.07	.50	.57	.32	429	16	445	-	32	785		
Total or average-----	99	10	118	8,009	8,137	8,236	6,436	14,672	-	.47	38.78	39.25	30.68	2,831	2,353	5,184	548	46	132		
Surface:																					
Head, face, neck (excl. eye)-----	1	1	-	28	29	30	66	96	5.7	.04	1.24	1.28	2.82	257	323	579	-	55	452		
Eye-----	-	-	-	32	32	32	95	127	6.0	-	1.37	1.37	4.06	-	8	8	-	6	6		
Trunk-----	-	-	-	166	166	166	124	290	31.4	-	7.10	7.10	5.30	-	346	346	-	49	49		
Arm (above wrist)-----	-	-	-	23	23	23	41	64	4.3	-	.98	.98	1.75	-	33	33	-	33	33		
Wrist, hand, fingers-----	-	-	7	79	86	86	220	306	16.3	-	3.68	3.68	9.41	-	182	182	306	27	50		
Leg (above ankle)-----	-	-	-	55	55	55	63	118	10.4	-	2.35	2.35	2.69	-	176	176	-	75	75		
Ankle, foot, toes-----	-	-	-	89	89	89	81	170	16.8	-	3.81	3.81	3.46	-	139	139	-	36	36		
Multiple-----	7	-	-	36	36	43	33	76	8.1	.30	1.54	1.84	1.41	1,796	84	1,880	-	55	1,023		
Unclassified (no data)-----	4	-	-	1	1	5	7	12	.9	.17	.04	.21	.30	1,026	(1/)	1,026	-	1	4,800		
Total or average-----	12	1	7	509	517	529	730	1,259	-	.51	22.11	22.62	31.22	3,079	1,290	4,368	306	43	193		
Total or average, underground mines-----	111	11	125	8,518	8,654	8,765	7,166	15,931	-	.48	37.11	37.59	30.73	2,856	2,246	5,102	535	46	136		
Strip mines:																					
Head, face, neck (excl. eye)-----	2	1	-	111	112	114	156	270	6.9	.02	1.18	1.20	1.65	127	87	214	-	20	178		
Eye-----	-	-	-	98	98	98	194	292	6.0	-	1.04	1.04	2.05	-	14	14	-	13	13		
Trunk-----	2	1	-	468	469	471	207	678	28.6	.02	4.96	4.98	2.19	127	239	365	-	35	73		
Arm (above wrist)-----	-	-	1	85	86	86	95	181	5.2	-	.91	.91	1.00	-	44	44	900	38	48		
Wrist, hand, fingers-----	-	-	30	207	237	237	387	624	14.4	-	2.50	2.50	4.09	-	152	152	311	24	61		
Leg (above ankle)-----	-	-	-	215	215	215	117	332	13.1	-	2.27	2.27	1.24	-	82	82	-	36	36		
Ankle, foot, toes-----	-	-	3	214	217	217	92	309	13.2	-	2.29	2.29	.97	-	135	135	2,100	30	59		
Multiple-----	15	-	2	150	152	167	71	238	10.2	.16	1.61	1.77	.75	951	153	1,104	4,300	39	626		
Unclassified (no data)-----	12	-	-	27	27	39	18	57	2.4	.13	.29	.41	.19	761	7	768	-	23	1,862		
Total or average-----	31	2	36	1,575	1,613	1,644	1,337	2,981	-	.33	17.05	17.38	14.13	1,966	912	2,878	698	31	166		

See footnote at end of table.

TABLE 18. - Number of injuries, injury rates and average severity at bituminous coal mines in the United States, by part of body injured, 1975 - Continued

General work location and part of body injured	Number of injuries							Distribution of all disabling injuries, percent	Frequency rates per million man-hours				Severity rates per million man-hours			Average severity					
	Fatal	Nonfatal disabling			All disabling injuries	Non-disabling injuries	All injuries		Fatal	Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Perma-nent partial	Tempo-rary total	All dis-abling			
		Permanent		Tempo-rary total															All non-fatal dis-abling	Severity rates per million man-hours	
		Total	Par-tial																	Fatal	Non-fatal dis-abling
Auger mines:																					
Head, face, neck (excl. eye)-----	1	-	-	-	4	1	2	3	2.6	0.69	-	0.69	1.38	4,128	-	4,128	-	-	6,000		
Eye-----	-	-	-	4	4	4	1	5	10.3	-	2.75	2.75	.69	-	23	23	-	8	8		
Trunk-----	-	-	-	9	9	9	4	13	23.1	-	6.19	6.19	2.75	-	215	215	-	35	35		
Arm (above wrist)-----	-	-	-	2	2	2	2	4	5.1	-	1.38	1.38	1.38	-	41	41	-	30	30		
Wrist, hand, fingers-----	-	-	1	1	2	2	2	4	5.1	-	1.38	1.38	1.38	-	43	43	60	3	32		
Leg (above ankle)-----	-	-	-	8	8	8	6	14	20.5	-	5.50	5.50	4.13	-	191	191	-	35	35		
Ankle, foot, toes-----	-	-	-	7	7	7	1	8	17.9	-	4.82	4.82	.69	-	48	48	-	10	10		
Multiple-----	2	-	-	4	4	4	6	1	7	15.4	1.38	2.75	4.13	.69	8,255	34	8,289	-	12	2,008	
Unclassified (no data)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total or average-----	3	-	1	35	36	39	19	58	-	2.06	24.77	26.83	13.07	12,383	594	12,977	60	23	484		
Other surface mining:																					
Head, face, neck (excl. eye)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Eye-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trunk-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arm (above wrist)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wrist, hand, fingers-----	-	-	-	-	-	-	1	1	-	-	-	-	4.64	-	-	-	-	-	-	-	
Leg (above ankle)-----	-	-	-	1	1	1	1	2	100.0	-	4.64	4.64	4.64	-	5	5	-	1	1		
Ankle, foot, toes-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Multiple-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Unclassified (no data)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total or average-----	-	-	-	1	1	1	2	3	-	-	4.64	4.64	9.29	-	5	5	-	1	1		
Total or average, surface-----	34	2	37	1,611	1,650	1,684	1,358	3,042	-	.35	17.14	17.49	14.10	2,119	906	3,024	681	31	173		
Total or average, mining-----	145	13	162	10,129	10,304	10,449	8,524	18,973	-	.44	31.27	31.71	25.87	2,641	1,854	4,495	568	44	142		
Independent shops and yards:																					
Head, face, neck (excl. eye)-----	-	-	-	3	3	3	6	9	3.8	-	.47	.47	.94	-	2	2	-	3	3		
Eye-----	-	-	-	3	3	3	14	17	3.8	-	.47	.47	2.20	-	(1/)	(1/)	-	1	1		
Trunk-----	-	-	-	27	27	27	7	34	34.2	-	4.23	4.23	1.10	-	229	229	-	54	54		
Arm (above wrist)-----	-	-	-	3	3	3	6	9	3.8	-	.47	.47	.94	-	44	44	-	94	94		
Wrist, hand, fingers-----	-	-	-	16	16	16	33	49	20.3	-	2.51	2.51	5.18	-	221	221	-	88	88		
Leg (above ankle)-----	-	-	-	8	8	8	8	16	10.1	-	1.25	1.25	1.25	-	82	82	-	65	65		
Ankle, foot, toes-----	-	-	-	11	11	11	9	20	13.9	-	1.73	1.73	1.41	-	67	67	-	39	39		
Multiple-----	-	-	-	5	5	5	5	5	6.3	-	.78	.78	-	-	56	56	-	71	71		
Unclassified (no data)-----	-	-	-	3	3	3	1	4	3.8	-	.47	.47	.16	-	23	23	-	49	49		
Total or average-----	-	-	-	79	79	79	84	163	-	-	12.39	12.39	13.18	-	723	723	-	58	58		

See footnote at end of table.

TABLE 18. - Number of injuries, injury rates and average severity at bituminous coal mines in the United States, by part of body injured, 1975 - Continued

General work location and part of body injured	Number of injuries								Distribution of all disabling injuries, percent	Frequency rates per million man-hours				Severity rates per million man-hours			Average severity		
	Fatal	Nonfatal disabling			All disabling injuries	Non-disabling injuries	All injuries	Fatal		Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Permanent partial	Temporary total	All disabling	
		Permanent		Temporary total															All non-fatal disabling
		Total	Partial																
Mechanical cleaning plants:																			
Head, face, neck (excl. eye)-----	1	-	1	22	23	24	58	82	5.0	0.04	0.84	0.88	2.12	219	23	242	300	15	276
Eye-----	-	-	-	25	25	25	93	118	5.2	-	.91	.91	3.39	-	6	6	-	6	6
Trunk-----	1	1	-	148	149	150	105	255	31.2	.04	5.44	5.47	3.83	219	422	641	-	38	117
Arm (above wrist)-----	-	-	-	25	25	25	35	60	5.2	-	.91	.91	1.28	-	32	32	-	35	35
Wrist, hand, fingers-----	-	-	4	73	77	77	139	216	16.0	-	2.81	2.81	5.07	-	112	112	212	30	40
Leg (above ankle)-----	-	1	-	67	68	68	69	137	14.1	-	2.48	2.48	2.52	-	344	344	-	51	139
Ankle, foot, toes-----	-	-	-	57	57	57	53	110	11.9	-	2.08	2.08	1.93	-	78	78	-	38	38
Multiple-----	3	-	-	40	40	43	19	62	8.9	.11	1.46	1.57	.69	657	86	743	-	59	473
Unclassified (no data)-----	3	-	-	9	9	12	6	18	2.5	.11	.33	.44	.22	657	7	663	-	20	1,515
Total or average-----	8	2	5	466	473	481	577	1,058	-	.29	17.26	17.56	21.06	1,752	1,110	2,862	230	37	163
Grand total or average-----	153	15	167	10,674	10,856	11,009	9,185	20,194	-	.42	29.89	30.31	25.29	2,527	1,778	4,306	558	43	142

1/ Less than 0.5.

TABLE 19. - Number of injuries, injury rates and average severity at Pennsylvania anthracite mines, by part of body injured, 1975

General work location and part of body injured	Number of injuries								Distribution of all disabling injuries, percent	Frequency rates per million man-hours				Severity rates per million man-hours			Average severity					
	Fatal	Nonfatal disabling				All disabling injuries	Non-disabling injuries	All injuries		Fatal	Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Permanent partial	Temporary total	All disabling			
		Permanent		Temporary total	All non-fatal disabling															Fatal	Non-fatal disabling	All disabling
		Total	Partial																			
Underground mines:																						
Underground:																						
Head, face, neck (excl. eye)-----	-	-	-	1	1	1	-	1	3.0	-	1.50	1.50	-	-	2	2	-	1	1			
Eye-----	-	-	-	1	1	1	1	2	3.0	-	1.50	1.50	1.50	-	2	2	-	1	1			
Trunk-----	-	-	-	9	9	9	3	12	27.3	-	13.51	13.51	4.50	-	380	380	-	28	28			
Arm (above wrist)-----	-	-	-	1	1	1	-	1	3.0	-	1.50	1.50	-	-	2	2	-	1	1			
Wrist, hand, fingers-----	-	-	-	6	6	6	-	6	18.2	-	9.00	9.00	-	-	149	149	-	16	16			
Leg (above ankle)-----	-	-	-	2	2	2	-	2	6.1	-	3.00	3.00	-	-	272	272	-	90	90			
Ankle, foot, toes-----	-	-	-	10	10	10	-	10	30.3	-	15.01	15.01	-	-	356	356	-	24	24			
Multiple-----	-	-	-	3	3	3	1	4	9.1	-	4.50	4.50	1.50	-	601	601	-	133	133			
Unclassified (no data)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Total or average-----	-	-	-	33	33	33	5	38	-	-	49.54	49.54	7.51	-	1,761	1,761	-	36	36			
Surface:																						
Head, face, neck (excl. eye)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Eye-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Trunk-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Arm (above wrist)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Wrist, hand, fingers-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Leg (above ankle)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ankle, foot, toes-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Multiple-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Unclassified (no data)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Total or average-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Total or average, underground mines-----	-	-	-	33	33	33	5	38	-	-	42.37	42.37	6.42	-	1,506	1,506	-	36	36			
Strip mines:																						
Head, face, neck (excl. eye)-----	-	-	-	5	5	5	20	25	4.9	-	2.47	2.47	9.89	-	60	60	-	24	24			
Eye-----	-	-	-	1	1	1	22	23	1.0	-	.49	.49	10.87	-	1	1	-	3	3			
Trunk-----	-	-	-	34	34	34	54	88	33.3	-	16.81	16.81	26.69	-	1,035	1,035	-	62	62			
Arm (above wrist)-----	-	-	-	6	6	6	14	20	5.9	-	2.97	2.97	6.92	-	86	86	-	29	29			
Wrist, hand, fingers-----	-	-	-	11	11	11	62	73	10.8	-	5.44	5.44	30.65	-	92	92	-	17	17			
Leg (above ankle)-----	-	-	-	21	21	21	17	38	20.6	-	10.38	10.38	8.40	-	313	313	-	30	30			
Ankle, foot, toes-----	-	-	-	15	15	15	15	30	14.7	-	7.41	7.41	7.41	-	255	255	-	34	34			
Multiple-----	1	-	-	6	6	6	7	14	6.9	0.49	2.97	3.46	3.46	2,966	160	3,126	-	54	903			
Unclassified (no data)-----	-	-	-	2	2	2	5	7	2.0	-	.99	.99	2.47	-	59	59	-	60	60			
Total or average-----	1	-	-	101	101	102	216	318	-	.49	49.92	50.42	106.76	2,966	2,063	5,028	-	41	100			

TABLE 19. - Number of injuries, injury rates and average severity at Pennsylvania anthracite mines, by part of body injured, 1975 - Continued

General work location and part of body injured	Number of injuries								Distribution of all disabling injuries, percent	Frequency rates per million man-hours				Severity rates per million man-hours			Average severity		
	Fatal	Nonfatal disabling			All disabling injuries	Non-disabling injuries	All injuries	Fatal		Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Permanent partial	Temporary total	All injuries	
		Permanent		Temporary total															All non-fatal disabling
		Total	Partial																
Culm banks:																			
Head, face, neck (excl. eye)-----	-	-	-	-	-	-	1	1	-	-	-	-	3.99	-	-	-	-		
Eye-----	-	-	-	-	-	-	3	3	-	-	-	-	11.97	-	-	-	-		
Trunk-----	-	-	-	2	2	2	5	7	22.2	-	-	-	19.95	-	-	-	-		
Arm (above wrist)-----	-	-	-	1	1	1	1	2	11.1	-	-	7.98	7.98	-	766	766	96		
Wrist, hand, fingers-----	-	-	-	2	2	2	2	1	3	22.2	-	7.98	7.98	-	200	200	50		
Leg (above ankle)-----	-	-	-	2	2	2	2	1	3	22.2	-	7.98	7.98	-	367	367	46		
Ankle, foot, toes-----	-	-	-	1	1	1	1	-	1	11.1	-	3.99	3.99	-	311	311	39		
Multiple-----	-	-	-	1	1	1	1	-	1	11.1	-	3.99	3.99	-	16	16	4		
Unclassified (no data)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	579	579	145		
Total or average-----	-	-	-	9	9	9	12	21	-	-	-	35.92	35.92	47.89	-	2,239	2,239	62	
Dredges:																			
Total or average, surface-----	1	-	-	110	110	111	228	339	-	0.44	48.28	48.72	100.06	2,633	2,078	4,711	43	97	
Total or average, mining-----	1	-	-	143	143	144	233	377	-	.33	46.77	47.10	76.21	1,962	1,932	3,895	41	83	
Independent shops and yards:																			
Head, face, neck (excl. eye)-----	-	-	-	-	-	-	8	8	-	-	-	-	50.70	-	-	-	-	-	
Eye-----	-	-	-	3	3	3	9	12	30.0	-	19.01	19.01	57.04	-	165	165	9		
Trunk-----	-	-	-	4	4	4	8	12	40.0	-	25.35	25.35	50.70	-	913	913	36		
Arm (above wrist)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wrist, hand, fingers-----	-	-	-	-	-	-	11	11	-	-	-	-	69.71	-	-	-	-	-	
Leg (above ankle)-----	-	-	-	1	1	1	3	4	10.0	-	6.34	6.34	19.01	-	57	57	9		
Ankle, foot, toes-----	-	-	-	1	1	1	2	3	10.0	-	6.34	6.34	12.67	-	1,008	1,008	159		
Multiple-----	-	-	-	1	1	1	1	2	10.0	-	6.34	6.34	6.34	-	51	51	8		
Unclassified (no data)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total or average-----	-	-	-	10	10	10	42	52	-	-	63.37	63.37	266.17	-	2,193	2,193	35	35	
Mechanical cleaning plants:																			
Head, face, neck (excl. eye)-----	-	-	-	4	4	4	21	25	4.0	-	2.31	2.31	12.13	-	13	13	6	6	
Eye-----	-	-	-	4	4	4	28	32	4.0	-	2.31	2.31	16.17	-	25	25	11	11	
Trunk-----	-	-	-	37	37	37	34	71	37.4	-	21.37	21.37	19.64	-	595	595	28	28	
Arm (above wrist)-----	-	-	-	3	3	3	19	22	3.0	-	1.73	1.73	10.97	-	50	50	29	29	
Wrist, hand, fingers-----	-	-	1	17	18	18	47	65	18.2	-	10.40	10.40	27.15	-	336	336	75	30	
Leg (above ankle)-----	-	-	-	11	11	11	18	29	11.1	-	6.35	6.35	10.40	-	118	118	19	19	
Ankle, foot, toes-----	-	-	-	15	15	15	8	23	15.2	-	8.66	8.66	4.62	-	196	196	23	23	
Multiple-----	1	-	-	4	4	5	6	11	5.1	.58	2.31	2.89	3.47	3,465	72	3,537	31	1,225	
Unclassified (no data)-----	-	-	-	2	2	2	-	2	2.0	-	1.16	1.16	-	-	74	74	64	64	
Total or average-----	1	-	1	97	98	99	181	280	-	.58	56.60	57.18	104.54	3,465	1,479	4,944	75	26	
Grand total or average-----	2	-	1	250	251	253	456	709	-	.40	50.74	51.15	92.18	2,426	1,782	4,208	75	35	

TABLE 20. - Number of injuries and average severity by degree at bituminous coal mines in the United States, by part of body and principal cause of injury, 1975

Part of body and principal cause of injury	Number of injuries							Average severity			
	Fatal	Nonfatal disabling			All disabling injuries	Non-disabling injuries	All injuries	Perma- nent partial	Tem- porary total	All dis- abling injuries	
		Permanent		Tem- porary total							
		Total	Partial								
Head, face, neck (excl. eye):											
Falls of roof or back-----	8	-	-	88	88	96	93	189	-	48	544
Falls of face or rib-----	5	-	-	13	13	18	15	33	-	60	1,710
Pressure bumps or bursts-----	-	-	-	1	1	1	-	1	-	26	26
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	1	-	35	36	36	43	79	-	62	227
Slips or falls of persons-----	2	-	-	28	28	30	40	70	-	31	429
Handling material-----	-	-	-	87	87	87	160	247	-	22	22
Handtools-----	-	-	-	69	69	69	181	250	-	18	18
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	3	3	-	-	-
Striking or bumping against objects-----	-	-	-	44	44	44	75	119	-	44	44
Haulage-----	3	1	-	218	219	222	195	417	-	41	149
Explosions of gas or dust-----	-	-	-	1	1	1	1	2	-	1	1
Explosives-----	-	-	1	8	9	9	12	21	1,800	22	220
Electricity-----	-	-	-	14	14	14	11	25	-	14	14
Machinery-----	5	1	-	137	138	143	144	287	-	34	284
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	1	34	35	35	56	91	300	16	24
Total or average-----	23	3	2	780	785	808	1,032	1,840	1,050	36	230
Eye:											
Falls of roof or back-----	-	-	-	14	14	14	35	49	-	8	8
Falls of face or rib-----	-	-	-	-	-	-	7	7	-	-	-
Pressure bumps or bursts-----	-	-	-	4	4	4	3	7	-	5	5
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	7	7	7	14	21	-	6	6
Slips or falls of persons-----	-	-	-	4	4	4	4	4	-	9	9
Handling material-----	-	-	-	75	75	75	169	244	-	11	11
Handtools-----	-	-	1	103	104	104	145	249	1,800	33	50
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	-	-	-	-	-
Striking or bumping against objects-----	-	-	-	7	7	7	14	21	-	8	8
Haulage-----	-	-	-	24	24	24	50	74	-	21	21
Explosions of gas or dust-----	-	-	-	-	-	-	1	1	-	-	-
Explosives-----	-	-	-	3	3	3	4	4	-	6	6
Electricity-----	-	-	-	62	62	62	93	155	-	18	18
Machinery-----	-	-	-	75	75	75	197	272	-	17	17
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	-	95	95	95	238	333	-	4	4
Total or average-----	-	-	1	473	474	474	967	1,441	1,800	16	20
Trunk:											
Falls of roof or back-----	3	4	-	217	221	224	109	333	-	78	263
Falls of face or rib-----	1	-	-	79	79	80	32	112	-	64	139
Pressure bumps or bursts-----	-	-	-	5	5	5	-	5	-	83	83
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	28	28	28	27	55	-	26	26
Slips or falls of persons-----	1	1	-	454	455	456	275	731	-	47	73
Handling material-----	-	-	-	1,404	1,404	1,404	718	2,122	-	46	46
Handtools-----	-	-	-	133	133	133	104	237	-	45	45
Stepping or kneeling on sharp or loose objects-----	-	-	-	15	15	15	13	28	-	30	30
Striking or bumping against objects-----	-	-	-	22	22	22	25	47	-	38	38
Haulage-----	6	-	-	509	509	515	264	779	-	57	126
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	-
Explosives-----	-	-	-	7	7	7	4	11	-	36	36
Electricity-----	-	-	-	6	6	6	1	7	-	29	29
Machinery-----	4	1	-	274	275	279	138	417	-	40	147
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	4	4	4	4	8	-	19	19
Miscellaneous causes-----	-	-	-	86	86	86	41	127	-	49	49
Total or average-----	15	6	-	3,243	3,249	3,264	1,755	5,019	-	50	88

TABLE 20. - Number of injuries and average severity by degree at bituminous coal mines in the United States, by part of body and principal cause of injury, 1975 - Continued

Part of body and principal cause of injury	Number of injuries								Average severity		
	Fatal	Nonfatal disabling				All disabling injuries	Non-disabling injuries	All injuries	Perman- partial	Tempo- rary total	All dis- abling injuries
		Permanent		Tempo- rary total	All nonfatal disabling						
		Total	Partial								
Arm (above wrist):											
Falls of roof or back-----	-	-	-	66	66	66	51	117	-	45	45
Falls of face or rib-----	-	-	-	8	8	8	10	18	-	52	52
Pressure bumps or bursts-----	-	-	-	-	-	-	-	-	-	-	-
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	14	14	14	13	27	-	45	45
Slips or falls of persons-----	-	-	-	64	64	64	68	132	-	56	56
Handling material-----	-	-	-	71	71	71	114	185	-	30	30
Handtools-----	-	-	-	36	36	36	62	98	-	26	26
Stepping or kneeling on sharp or loose objects-----	-	-	-	3	3	3	1	4	-	120	120
Striking or bumping against objects-----	-	-	-	9	9	9	23	32	-	21	21
Haulage-----	-	-	-	88	88	88	73	161	-	61	61
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	-
Explosives-----	-	-	-	2	2	2	-	2	-	31	31
Electricity-----	-	-	-	18	18	18	14	32	-	27	27
Machinery-----	-	-	-	4	126	130	72	202	3,150	47	143
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	-	1	1	1	-	1	-	28	28
	-	-	-	14	14	14	25	39	-	39	39
Total or average-----	-	-	4	520	524	524	526	1,050	3,150	45	69
Wrist, hand, and fingers:											
Falls of roof or back-----	-	-	7	141	148	148	140	288	160	33	39
Falls of face or rib-----	-	-	2	24	26	26	13	39	80	34	38
Pressure bumps or bursts-----	-	-	-	1	1	1	-	1	-	100	100
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	44	44	44	50	94	-	22	22
Slips or falls of persons-----	-	-	-	85	86	86	89	175	60	31	31
Handling material-----	-	-	23	560	583	583	990	1,573	148	25	30
Handtools-----	-	-	6	266	272	272	556	828	213	23	27
Stepping or kneeling on sharp or loose objects-----	-	-	-	2	2	2	10	12	-	136	136
Striking or bumping against objects-----	-	-	-	9	9	9	19	28	-	23	23
Haulage-----	1	25	203	229	229	229	213	442	236	51	97
Explosions of gas or dust-----	-	-	-	2	2	2	-	2	-	47	47
Explosives-----	-	-	-	3	3	3	1	4	-	193	193
Electricity-----	-	-	-	109	109	109	75	184	-	25	25
Machinery-----	-	-	76	465	541	541	390	931	265	40	72
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	-	3	3	3	5	8	-	28	28
	-	-	-	21	21	21	56	77	-	18	18
Total or average-----	-	1	140	1,938	2,079	2,079	2,607	4,686	229	32	48
Leg (above ankle):											
Falls of roof or back-----	-	-	2	103	105	105	50	155	3,000	84	140
Falls of face or rib-----	-	-	-	48	48	48	26	74	-	97	97
Pressure bumps or bursts-----	-	-	-	1	1	1	-	1	-	205	205
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	33	33	33	15	48	-	35	35
Slips or falls of persons-----	-	1	-	262	263	263	193	456	-	41	64
Handling material-----	-	-	1	165	166	166	154	320	3,000	38	56
Handtools-----	-	-	-	71	71	71	99	170	-	23	23
Stepping or kneeling on sharp or loose objects-----	-	-	-	96	96	96	54	150	-	44	44
Striking or bumping against objects-----	-	-	-	44	44	44	40	84	-	28	28
Haulage-----	1	6	210	217	217	217	146	363	3,150	80	192
Explosions of gas or dust-----	-	-	-	-	-	-	1	1	-	-	-
Explosives-----	-	-	-	8	8	8	1	9	-	73	73
Electricity-----	-	-	-	8	8	8	2	10	-	41	41
Machinery-----	-	-	-	201	201	201	108	309	-	65	65
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	-	2	2	2	1	3	-	87	87
	-	-	-	46	46	46	38	84	-	41	41
Total or average-----	-	2	9	1,298	1,309	1,309	928	2,237	3,100	55	85

TABLE 20. - Number of injuries and average severity by degree at bituminous coal mines in the United States, by part of body and principal cause of injury, 1975 - Continued

Part of body and principal cause of injury	Number of injuries								Average severity		
	Fatal	Nonfatal disabling				All disabling injuries	Non-disabling injuries	All injuries	Perma- nent partial	Temp- orary total	All dis- abling injuries
		Permanent		Temp- orary total	All nonfatal disabling						
		Total	Partial								
Ankle, foot, and toes:											
Falls of roof or back-----	-	-	1	133	134	134	44	178	150	57	57
Falls of face or rib-----	-	-	1	38	39	39	31	70	150	43	46
Pressure bumps or bursts-----	-	-	-	1	1	1	-	1	-	37	37
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	67	67	67	33	100	-	40	40
Slips or falls of persons-----	-	-	-	225	225	225	132	357	-	30	30
Handling material-----	-	-	-	310	310	310	190	500	-	29	29
Handtools-----	-	-	-	43	43	43	28	71	-	29	29
Stepping or kneeling on sharp or loose objects-----	-	-	-	108	108	108	181	289	-	18	18
Striking or bumping against objects-----	-	-	-	7	7	7	6	13	-	38	38
Haulage-----	-	-	4	217	221	221	78	299	909	50	66
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	-
Explosives-----	-	-	-	4	4	4	-	4	-	26	26
Electricity-----	-	-	-	-	-	-	-	-	-	-	-
Machinery-----	-	-	3	251	254	254	126	380	1,400	42	58
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	-	26	26	26	18	44	-	20	20
Total or average-----	-	-	9	1,430	1,439	1,439	867	2,306	904	37	43
Multiple:											
Falls of roof or back-----	30	2	-	174	176	206	63	269	-	70	991
Falls of face or rib-----	4	-	-	35	35	39	21	60	-	70	678
Pressure bumps or bursts-----	-	-	-	-	-	-	1	1	-	-	-
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	1	-	-	21	21	22	9	31	-	39	310
Slips or falls of persons-----	1	-	-	90	90	91	54	145	-	44	110
Handling material-----	-	1	-	71	72	72	43	115	-	56	139
Handtools-----	-	-	-	10	10	10	9	19	-	63	63
Stepping or kneeling on sharp or loose objects-----	-	-	-	3	3	3	4	7	-	86	86
Striking or bumping against objects-----	-	-	-	10	10	10	12	22	-	88	88
Haulage-----	23	-	1	196	197	220	75	295	5,400	77	720
Explosions of gas or dust-----	-	-	-	9	9	9	1	10	-	22	22
Explosives-----	-	-	-	13	13	13	7	20	-	42	42
Electricity-----	2	-	1	59	60	62	27	89	3,200	52	295
Machinery-----	20	-	-	107	107	127	50	177	-	52	989
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	-	11	11	11	1	12	-	55	55
Total or average-----	81	3	2	848	853	934	403	1,337	4,300	60	603
Unclassified (no data):											
Falls of roof or back-----	6	-	-	10	10	16	4	20	-	34	2,271
Falls of face or rib-----	-	-	-	3	3	3	1	4	-	38	38
Pressure bumps or bursts-----	2	-	-	-	-	2	-	2	-	-	6,000
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	2	-	-	1	1	3	-	3	-	2	4,001
Slips or falls of persons-----	-	-	-	16	16	16	12	28	-	33	33
Handling material-----	-	-	-	29	29	29	20	49	-	39	39
Handtools-----	-	-	-	5	5	5	8	13	-	9	9
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	1	1	-	-	-
Striking or bumping against objects-----	-	-	-	3	3	3	1	4	-	19	19
Haulage-----	6	-	-	21	21	27	8	35	-	59	1,379
Explosions of gas or dust-----	-	-	-	-	-	-	1	1	-	-	-
Explosives-----	2	-	-	1	1	3	2	5	-	11	4,004
Electricity-----	12	-	-	27	27	39	16	55	-	14	1,856
Machinery-----	4	-	-	12	12	16	8	24	-	26	1,519
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	1	1	1	-	1	-	8	8
Miscellaneous causes-----	-	-	-	4	4	4	6	10	-	7	7
Total or average-----	34	-	-	144	144	178	100	278	-	30	1,170
Grand total or average-----	153	15	167	10,674	10,856	11,009	9,185	20,194	558	43	142

TABLE 21. - Number of injuries and average severity by degree at Pennsylvania anthracite mines, by part of body and principal cause of injury, 1975

Part of body and principal cause of injury	Number of injuries							Average severity			
	Fatal	Nonfatal disabling				All disabling injuries	Non-disabling injuries	All injuries	Permanent partial	Temporary total	All disabling injuries
		Permanent		Temporary total	All nonfatal disabling						
		Total	Partial								
Head, face, neck (excl. eye):											
Falls of roof or back-----	-	-	-	-	-	-	-	-	-	-	
Falls of face or rib-----	-	-	-	-	-	-	-	-	-	-	
Pressure bumps or bursts-----	-	-	-	-	-	-	-	-	-	-	
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	
Sliding or falling material or objects-----	-	-	-	1	1	1	2	3	104	104	
Slips or falls of persons-----	-	-	-	3	3	3	2	5	6	6	
Handling material-----	-	-	-	3	3	3	6	9	6	6	
Handtools-----	-	-	-	1	1	1	12	13	1	1	
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	-	-	-	-	
Striking or bumping against objects-----	-	-	-	1	1	1	-	1	-	1	
Haulage-----	-	-	-	1	1	1	8	9	3	3	
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	
Explosives-----	-	-	-	-	-	-	-	-	-	-	
Electricity-----	-	-	-	-	-	-	2	2	-	-	
Machinery-----	-	-	-	-	-	-	4	4	-	-	
Suffocation (no flame or smoldering)-----	-	-	-	-	-	-	-	-	-	-	
Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	
Miscellaneous causes-----	-	-	-	-	-	-	14	14	-	-	
Total or average-----	-	-	-	10	10	10	50	60	-	15	
Eye:											
Falls of roof or back-----	-	-	-	-	-	-	-	-	-	-	
Falls of face or rib-----	-	-	-	-	-	-	-	-	-	-	
Pressure bumps or bursts-----	-	-	-	-	-	-	-	-	-	-	
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	
Sliding or falling material or objects-----	-	-	-	-	-	-	3	3	-	-	
Slips or falls of persons-----	-	-	-	1	1	1	-	1	3	3	
Handling material-----	-	-	-	3	3	3	12	15	14	14	
Handtools-----	-	-	-	1	1	1	14	15	1	1	
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	-	-	-	-	
Striking or bumping against objects-----	-	-	-	-	-	-	-	-	-	-	
Haulage-----	-	-	-	-	-	-	2	2	-	-	
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	
Explosives-----	-	-	-	-	-	-	-	-	-	-	
Electricity-----	-	-	-	-	-	-	-	-	-	-	
Machinery-----	-	-	-	2	2	2	9	11	2	2	
Suffocation (no flame or smoldering)-----	-	-	-	-	-	-	-	-	-	-	
Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	
Miscellaneous causes-----	-	-	-	2	2	2	23	25	12	12	
Total or average-----	-	-	-	9	9	9	63	72	-	8	
Trunk:											
Falls of roof or back-----	-	-	-	-	-	-	-	-	-	-	
Falls of face or rib-----	-	-	-	1	1	1	-	1	2	2	
Pressure bumps or bursts-----	-	-	-	-	-	-	-	-	-	-	
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	
Sliding or falling material or objects-----	-	-	-	3	3	3	1	4	51	51	
Slips or falls of persons-----	-	-	-	27	27	27	40	67	38	38	
Handling material-----	-	-	-	31	31	31	35	66	42	42	
Handtools-----	-	-	-	5	5	5	5	10	44	44	
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	-	-	-	-	
Striking or bumping against objects-----	-	-	-	1	1	1	4	5	2	2	
Haulage-----	-	-	-	10	10	10	7	17	35	35	
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	
Explosives-----	-	-	-	-	-	-	-	-	-	-	
Electricity-----	-	-	-	-	-	-	-	-	-	-	
Machinery-----	-	-	-	4	4	4	8	12	19	19	
Suffocation (no flame or smoldering)-----	-	-	-	-	-	-	-	-	-	-	
Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	
Miscellaneous causes-----	-	-	-	4	4	4	4	8	147	147	
Total or average-----	-	-	-	86	86	86	104	190	-	43	

TABLE 21. - Number of injuries and average severity by degree at Pennsylvania anthracite mines,
by part of body and principal cause of injury, 1975 - Continued

Part of body and principal cause of injury	Number of injuries							Average severity			
	Fatal	Nonfatal disabling			All disabling injuries	Non- disabling injuries	All injuries	Perma- nent partial	Tem- porary total	All dis- abling injuries	
		Permanent		Tem- porary total							All nonfatal disabling
		Total	Partial								
Arm (above wrist):											
Falls of roof or back-----	-	-	-	-	-	-	-	-	-	-	
Falls of face or rib-----	-	-	-	1	1	1	-	1	1	1	
Pressure bumps or bursts-----	-	-	-	-	-	-	-	-	-	-	
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	
Sliding or falling material or objects-----	-	-	-	1	1	1	-	1	12	12	
Slips or falls of persons-----	-	-	-	3	3	3	5	8	37	37	
Handling material-----	-	-	-	1	1	1	7	8	25	25	
Handtools-----	-	-	-	2	2	2	4	6	10	10	
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	-	-	-	-	
Striking or bumping against objects-----	-	-	-	-	-	-	2	2	-	-	
Haulage-----	-	-	-	-	-	-	3	3	-	-	
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	
Explosives-----	-	-	-	-	-	-	-	-	-	-	
Electricity-----	-	-	-	1	1	1	-	1	59	59	
Machinery-----	-	-	-	2	2	2	3	5	43	43	
Suffocation (no flame or smoldering)	-	-	-	-	-	-	-	-	-	-	
Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	
Miscellaneous causes-----	-	-	-	-	-	-	10	10	-	-	
Total or average-----	-	-	-	11	11	11	34	45	-	28	
Wrist, hand, and fingers:											
Falls of roof or back-----	-	-	-	-	-	-	-	-	-	-	
Falls of face or rib-----	-	-	-	-	-	-	-	-	-	-	
Pressure bumps or bursts-----	-	-	-	-	-	-	-	-	-	-	
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	
Sliding or falling material or objects-----	-	-	-	3	3	3	3	6	35	35	
Slips or falls of persons-----	-	-	-	3	3	3	9	12	19	19	
Handling material-----	-	-	-	13	13	13	48	61	29	29	
Handtools-----	-	-	-	5	5	5	31	36	2	2	
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	-	-	-	-	
Striking or bumping against objects-----	-	-	-	-	-	-	-	-	-	-	
Haulage-----	-	-	-	3	3	3	9	12	26	26	
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	
Explosives-----	-	-	-	-	-	-	-	-	-	-	
Electricity-----	-	-	-	-	-	-	1	1	-	-	
Machinery-----	-	-	-	1	6	7	7	14	75	45	
Suffocation (no flame or smoldering)	-	-	-	-	-	-	-	-	-	-	
Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	
Miscellaneous causes-----	-	-	-	3	3	3	13	16	5	5	
Total or average-----	-	-	1	36	37	37	121	158	75	25	
Leg (above ankle):											
Falls of roof or back-----	-	-	-	-	-	-	-	-	-	-	
Falls of face or rib-----	-	-	-	-	-	-	-	-	-	-	
Pressure bumps or bursts-----	-	-	-	-	-	-	-	-	-	-	
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	
Sliding or falling material or objects-----	-	-	-	-	-	-	1	1	-	-	
Slips or falls of persons-----	-	-	-	24	24	24	12	36	28	28	
Handling material-----	-	-	-	4	4	4	11	15	60	60	
Handtools-----	-	-	-	1	1	1	7	8	32	32	
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	1	1	-	-	
Striking or bumping against objects-----	-	-	-	-	-	-	-	-	-	-	
Haulage-----	-	-	-	4	4	4	3	7	13	13	
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	
Explosives-----	-	-	-	-	-	-	-	-	-	-	
Electricity-----	-	-	-	-	-	-	-	-	-	-	
Machinery-----	-	-	-	4	4	4	-	4	26	26	
Suffocation (no flame or smoldering)	-	-	-	-	-	-	-	-	-	-	
Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	
Miscellaneous causes-----	-	-	-	-	-	-	4	4	-	-	
Total or average-----	-	-	-	37	37	37	39	76	-	30	

TABLE 21. - Number of injuries and average severity by degree at Pennsylvania anthracite mines, by part of body and principal cause of injury, 1975 - Continued

Part of body and principal cause of injury	Number of injuries								Average severity		
	Fatal	Nonfatal disabling				All disabling injuries	Non-disabling injuries	All injuries	Perman-ent partial	Tem-porary total	All dis-abling injuries
		Permanent		Tem-porary total	All nonfatal disabling						
		Total	Partial								
Ankle, foot, and toes:											
Falls of roof or back-----	-	-	-	1	1	1	-	1	-	41	41
Falls of face or rib-----	-	-	-	-	-	-	-	-	-	-	-
Pressure bumps or bursts-----	-	-	-	-	-	-	-	-	-	-	-
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	2	2	2	-	2	-	21	21
Slips or falls of persons-----	-	-	-	10	10	10	5	15	-	23	23
Handling material-----	-	-	-	9	9	9	2	11	-	23	23
Handtools-----	-	-	-	2	2	2	2	4	-	71	71
Stepping or kneeling on sharp or loose objects-----	-	-	-	7	7	7	8	15	-	17	17
Striking or bumping against objects-----	-	-	-	2	2	2	1	3	-	5	5
Haulage-----	-	-	-	7	7	7	3	10	-	61	61
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	-
Explosives-----	-	-	-	-	-	-	-	-	-	-	-
Machinery-----	-	-	-	1	1	1	1	2	-	13	13
Suffocation (no flame or smoldering)-----	-	-	-	-	-	-	-	-	-	-	-
Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	-	1	1	1	3	4	-	23	23
Total or average-----	-	-	-	42	42	42	25	67	-	30	30
Multiple:											
Falls of roof or back-----	-	-	-	-	-	-	-	-	-	-	-
Falls of face or rib-----	-	-	-	2	2	2	-	2	-	34	34
Pressure bumps or bursts-----	-	-	-	-	-	-	-	-	-	-	-
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	1	1	1	-	1	-	332	332
Slips or falls of persons-----	-	-	-	9	9	9	5	14	-	41	41
Handling material-----	-	-	-	1	1	1	2	3	-	145	145
Handtools-----	-	-	-	-	-	-	-	-	-	-	-
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	-	-	-	-	-
Striking or bumping against objects-----	-	-	-	-	-	-	-	-	-	-	-
Haulage-----	1	-	-	-	-	1	4	5	-	-	6,000
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	-
Explosives-----	-	-	-	-	-	-	-	-	-	-	-
Electricity-----	-	-	-	1	1	1	-	1	-	8	8
Machinery-----	1	-	-	-	-	1	1	2	-	-	6,000
Suffocation (no flame or smoldering)-----	-	-	-	-	-	-	-	-	-	-	-
Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	-	1	1	1	3	4	-	76	76
Total or average-----	2	-	-	15	15	17	15	32	-	67	765
Unclassified (no data):											
Falls of roof or back-----	-	-	-	-	-	-	-	-	-	-	-
Falls of face or rib-----	-	-	-	-	-	-	-	-	-	-	-
Pressure bumps or bursts-----	-	-	-	-	-	-	-	-	-	-	-
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	-	-	-	-	-	-	-	-
Slips or falls of persons-----	-	-	-	-	-	-	-	-	-	-	-
Handling material-----	-	-	-	2	2	2	2	4	-	64	64
Handtools-----	-	-	-	-	-	-	-	-	-	-	-
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	-	-	-	-	-
Striking or bumping against objects-----	-	-	-	-	-	-	-	-	-	-	-
Haulage-----	-	-	-	-	-	-	-	-	-	-	-
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	-
Explosives-----	-	-	-	-	-	-	-	-	-	-	-
Electricity-----	-	-	-	-	-	-	-	-	-	-	-
Machinery-----	-	-	-	-	-	-	2	2	-	-	-
Suffocation (no flame or smoldering)-----	-	-	-	-	-	-	-	-	-	-	-
Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	-	2	2	2	1	3	-	60	60
Total or average-----	-	-	-	4	4	4	5	9	-	62	62
Grand total or average-----	2	-	1	250	251	253	456	709	75	35	82

TABLE 22. - Number of injuries and average severity by degree at all coal mines in the United States, by part of body and principal cause of injury, 1975

Part of body and principal cause of injury	Number of injuries							Average severity			
	Fatal	Nonfatal disabling			All disabling injuries	Non-disabling injuries	All injuries	Perma- nent partial	Tem- porary total	All dis- abling injuries	
		Permanent		Tem- porary total							
		Total	Partial								
Head, face, neck (excl. eye):											
Falls of roof or back-----	8	-	-	88	88	96	93	189	-	48	544
Falls of face or rib-----	5	-	-	13	13	18	15	33	-	60	1,710
Pressure bumps or bursts-----	-	-	-	1	1	1	-	1	-	26	26
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	1	-	36	37	37	45	82	-	63	224
Slips or falls of persons-----	2	-	-	31	31	33	42	75	-	29	391
Handling material-----	-	-	-	90	90	90	166	256	-	22	22
Handtools-----	-	-	-	70	70	70	193	263	-	18	18
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	3	3	-	-	-
Striking or bumping against objects-----	-	-	-	45	45	45	75	120	-	43	43
Haulage-----	3	1	-	219	220	223	203	426	-	41	148
Explosions of gas or dust-----	-	-	-	1	1	1	1	2	-	1	1
Explosives-----	-	-	1	8	9	9	12	21	1,800	22	220
Electricity-----	-	-	-	14	14	14	13	27	-	14	14
Machinery-----	5	1	-	137	138	143	148	291	-	34	284
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	1	34	35	35	70	105	300	16	24
Total or average-----	23	3	2	790	795	818	1,082	1,900	1,050	35	227
Eye:											
Falls of roof or back-----	-	-	-	14	14	14	35	49	-	8	8
Falls of face or rib-----	-	-	-	-	-	-	7	7	-	-	-
Pressure bumps or bursts-----	-	-	-	4	4	4	3	7	-	5	5
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	7	7	7	17	24	-	6	6
Slips or falls of persons-----	-	-	-	5	5	5	-	5	-	8	8
Handling material-----	-	-	-	78	78	78	181	259	-	11	11
Handtools-----	-	-	1	104	105	105	159	264	1,800	32	49
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	-	-	-	-	-
Striking or bumping against objects-----	-	-	-	7	7	7	14	21	-	8	8
Haulage-----	-	-	-	24	24	24	52	76	-	21	21
Explosions of gas or dust-----	-	-	-	-	-	-	1	1	-	-	-
Explosives-----	-	-	-	3	3	3	1	4	-	6	6
Electricity-----	-	-	-	62	62	62	93	155	-	18	18
Machinery-----	-	-	-	77	77	77	206	283	-	16	16
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	-	97	97	97	261	358	-	4	4
Total or average-----	-	-	1	482	483	483	1,030	1,513	1,800	16	20
Trunk:											
Falls of roof or back-----	3	4	-	217	221	224	109	333	-	78	263
Falls of face or rib-----	1	-	-	80	80	81	33	114	-	64	137
Pressure bumps or bursts-----	-	-	-	5	5	5	-	5	-	83	83
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	31	31	31	28	59	-	28	28
Slips or falls of persons-----	1	1	-	481	482	483	315	798	-	47	71
Handling material-----	-	-	-	1,435	1,435	1,435	742	2,177	-	46	46
Handtools-----	-	-	-	138	138	138	109	247	-	45	45
Stepping or kneeling on sharp or loose objects-----	-	-	-	15	15	15	13	28	-	30	30
Striking or bumping against objects-----	-	-	-	23	23	23	29	52	-	37	37
Haulage-----	6	-	-	519	519	525	271	796	-	56	124
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	-
Explosives-----	-	-	-	7	7	7	4	11	-	36	36
Electricity-----	-	-	-	6	6	6	1	7	-	29	29
Machinery-----	4	1	-	278	279	283	146	429	-	40	145
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	-	90	90	90	55	145	-	54	54
Total or average-----	15	6	-	3,329	3,335	3,350	1,859	5,209	-	49	87

TABLE 22, - Number of injuries and average severity by degree at all coal mines in the United States, by part of body and principal cause of injury, 1975 - Continued

Part of body and principal cause of injury	Number of injuries							Average severity			
	Fatal	Nonfatal disabling				All disabling injuries	Non-disabling injuries	All injuries	Permanent partial	Temporary total	All disabling injuries
		Permanent		Temporary total	All nonfatal disabling						
		Total	Partial								
Arm (above wrist):											
Falls of roof or back-----	-	-	-	66	66	66	51	117	-	45	45
Falls of face or rib-----	-	-	-	9	9	9	10	19	-	46	46
Pressure bumps or bursts-----	-	-	-	-	-	-	-	-	-	-	-
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	15	15	15	13	28	-	43	43
Slips or falls of persons-----	-	-	-	67	67	67	73	140	-	55	55
Handling material-----	-	-	-	72	72	72	121	193	-	30	30
Handtools-----	-	-	-	38	38	38	66	104	-	25	25
Stepping or kneeling on sharp or loose objects-----	-	-	-	3	3	3	1	4	-	120	120
Striking or bumping against objects-----	-	-	-	9	9	9	25	34	-	21	21
Haulage-----	-	-	-	88	88	88	76	164	-	61	61
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	-
Explosives-----	-	-	-	2	2	2	-	2	-	31	31
Electricity-----	-	-	-	19	19	19	14	33	-	29	29
Machinery-----	-	-	4	128	132	132	75	207	3,150	47	141
Suffocation (no flame or smoldering)-----	-	-	-	-	-	-	-	-	-	-	-
Fires or suffocation from fires-----	-	-	-	1	1	1	-	1	-	28	28
Miscellaneous causes-----	-	-	-	14	14	14	35	49	-	39	39
Total or average-----	-	-	4	531	535	535	560	1,095	3,150	45	68
Wrist, hand, and fingers:											
Falls of roof or back-----	-	-	7	141	148	148	140	288	160	33	39
Falls of face or rib-----	-	-	2	24	26	26	13	39	80	34	38
Pressure bumps or bursts-----	-	-	-	1	1	1	-	1	-	100	100
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	47	47	47	53	100	-	22	22
Slips or falls of persons-----	-	-	1	88	89	89	98	187	60	31	31
Handling material-----	-	-	23	573	596	596	1,038	1,634	148	25	30
Handtools-----	-	-	6	271	277	277	587	864	213	23	27
Stepping or kneeling on sharp or loose objects-----	-	-	-	2	2	2	10	12	-	136	136
Striking or bumping against objects-----	-	-	-	9	9	9	19	28	-	23	23
Haulage-----	1	25	-	206	232	232	222	454	236	50	96
Explosions of gas or dust-----	-	-	-	2	2	2	-	2	-	47	47
Explosives-----	-	-	-	3	3	3	1	4	-	193	193
Electricity-----	-	-	-	109	109	109	76	185	-	25	25
Machinery-----	-	-	77	471	548	548	397	945	262	40	71
Suffocation (no flame or smoldering)-----	-	-	-	-	-	-	-	-	-	-	-
Fires or suffocation from fires-----	-	-	-	3	3	3	5	8	-	28	28
Miscellaneous causes-----	-	-	-	24	24	24	69	93	-	17	17
Total or average-----	-	1	141	1,974	2,116	2,116	2,728	4,844	228	32	48
Leg (above ankle):											
Falls of roof or back-----	-	-	2	103	105	105	50	155	3,000	84	140
Falls of face or rib-----	-	-	-	48	48	48	26	74	-	97	97
Pressure bumps or bursts-----	-	-	-	1	1	1	-	1	-	205	205
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	33	33	33	16	49	-	35	35
Slips or falls of persons-----	-	1	-	286	287	287	205	492	-	40	61
Handling material-----	-	-	1	169	170	170	165	335	3,000	38	56
Handtools-----	-	-	-	72	72	72	106	178	-	23	23
Stepping or kneeling on sharp or loose objects-----	-	-	-	96	96	96	55	151	-	44	44
Striking or bumping against objects-----	-	-	-	44	44	44	40	84	-	28	28
Haulage-----	1	6	-	214	221	221	149	370	3,150	79	189
Explosions of gas or dust-----	-	-	-	-	-	-	1	1	-	-	-
Explosives-----	-	-	-	8	8	8	1	9	-	73	73
Electricity-----	-	-	-	8	8	8	2	10	-	41	41
Machinery-----	-	-	-	205	205	205	108	313	-	64	64
Suffocation (no flame or smoldering)-----	-	-	-	-	-	-	-	-	-	-	-
Fires or suffocation from fires-----	-	-	-	2	2	2	1	3	-	87	87
Miscellaneous causes-----	-	-	-	46	46	46	42	88	-	41	41
Total or average-----	-	2	9	1,335	1,346	1,346	967	2,313	3,100	54	84

TABLE 22. - Number of injuries and average severity by degree at all coal mines in the United States, by part of body and principal cause of injury, 1975 - Continued

Part of body and principal cause of injury	Number of injuries								Average severity		
	Fatal	Nonfatal disabling			All nonfatal disabling	All disabling injuries	Non-disabling injuries	All injuries	Perma- nent partial	Tem- porary total	All dis- abling injuries
		Permanent		Tem- porary total							
		Total	Partial								
Ankle, foot, and toes:											
Falls of roof or back-----	-	-	1	134	135	135	44	179	150	56	57
Falls of face or rib-----	-	-	1	38	39	39	31	70	150	43	46
Pressure bumps or bursts-----	-	-	-	1	1	-	-	1	-	37	37
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	-	-	-	69	69	69	33	102	-	40	40
Slips or falls of persons-----	-	-	-	235	235	235	137	372	-	30	30
Handling material-----	-	-	-	319	319	319	192	511	-	29	29
Handtools-----	-	-	-	45	45	45	30	75	-	31	31
Stepping or kneeling on sharp or loose objects-----	-	-	-	115	115	115	189	304	-	18	18
Striking or bumping against objects-----	-	-	-	9	9	9	7	16	-	30	30
Haulage-----	-	-	4	224	228	228	81	309	909	51	66
Explosions of gas or dust-----	-	-	-	-	-	-	-	-	-	-	-
Explosives-----	-	-	-	4	4	-	-	4	-	26	26
Machinery-----	-	-	3	252	255	255	127	382	1,400	42	58
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous causes-----	-	-	-	27	27	27	21	48	-	21	21
Total or average-----	-	-	9	1,472	1,481	1,481	892	2,373	904	37	42
Multiple:											
Falls of roof or back-----	30	2	-	174	176	206	63	269	-	70	991
Falls of face or rib-----	4	-	-	37	37	41	21	62	-	68	646
Pressure bumps or bursts-----	-	-	-	-	-	-	1	1	-	-	-
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	1	-	-	22	22	23	9	32	-	53	311
Slips or falls of persons-----	1	-	-	99	99	100	59	159	-	44	103
Handling material-----	-	1	-	72	73	73	45	118	-	57	139
Handtools-----	-	-	-	10	10	10	9	19	-	63	63
Stepping or kneeling on sharp or loose objects-----	-	-	-	3	3	3	4	7	-	86	86
Striking or bumping against objects-----	-	-	-	10	10	12	12	22	-	88	88
Haulage-----	24	-	1	196	197	221	79	300	5,400	77	744
Explosions of gas or dust-----	-	-	-	9	9	9	7	10	-	22	22
Explosives-----	-	-	-	13	13	13	7	20	-	42	42
Electricity-----	2	-	1	60	61	63	27	90	3,200	52	290
Machinery-----	21	-	-	107	107	128	51	179	-	52	1,028
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	11	11	11	1	12	-	55	55
Miscellaneous causes-----	-	-	-	40	40	40	29	69	-	21	21
Total or average-----	83	3	2	863	868	951	418	1,369	4,300	60	606
Unclassified (no data):											
Falls of roof or back-----	6	-	-	10	10	16	4	20	-	34	2,271
Falls of face or rib-----	-	-	-	3	3	3	1	4	-	38	38
Pressure bumps or bursts-----	2	-	-	-	-	2	-	2	-	-	6,000
Inrush of water-----	-	-	-	-	-	-	-	-	-	-	-
Sliding or falling material or objects-----	2	-	-	1	1	3	-	3	-	2	4,001
Slips or falls of persons-----	-	-	-	16	16	16	12	28	-	33	33
Handling material-----	-	-	-	31	31	31	22	53	-	41	41
Handtools-----	-	-	-	5	5	5	8	13	-	9	9
Stepping or kneeling on sharp or loose objects-----	-	-	-	-	-	-	1	1	-	-	-
Striking or bumping against objects-----	-	-	-	3	3	3	1	4	-	19	19
Haulage-----	6	-	-	21	21	27	8	35	-	59	1,379
Explosions of gas or dust-----	-	-	-	-	-	-	1	1	-	-	-
Explosives-----	2	-	-	1	1	3	2	5	-	11	4,004
Electricity-----	12	-	-	27	27	39	16	55	-	14	1,856
Machinery-----	4	-	-	12	12	16	10	26	-	26	1,519
Suffocation (no flame or smoldering) Fires or suffocation from fires-----	-	-	-	1	1	1	-	1	-	8	8
Miscellaneous causes-----	-	-	-	4	4	4	6	10	-	7	7
Total or average-----	34	-	-	148	148	182	105	287	-	31	1,146
Grand total or average-----	155	15	168	10,924	11,107	11,262	9,641	20,903	555	43	141

TABLE 23. - Number of injuries, injury rates, and average severity at bituminous coal mines, by nature of injury, 1975

General work location and nature of injury	Number of injuries								Distribution of all disabling injuries, percent	Frequency rates per million man-hours				Severity rates per million man-hours			Average severity				
	Fatal	Nonfatal disabling			All disabling injuries	Non-disabling injuries	All injuries	Fatal		Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Permanent partial	Temporary total	All disabling			
		Permanent		Temporary total															All non-fatal disabling	Total	Partial
		Total	Partial																		
Underground mines:																					
Underground:																					
Amputation, enucleation-----	-	1	109	12	122	122	1	123	1.5	-	0.58	0.58	(1/)	-	273	273	464	65	470		
Asphyxiation-----	5	-	1	8	9	14	11	25	.2	0.02	.04	.07	0.05	143	1	144	110	11	2,157		
Burn, scald (except chemical)-----	-	-	-	69	69	69	57	126	.8	-	.33	.33	.27	-	9	9	-	28	28		
Burn, chemical-----	-	-	-	20	20	20	19	39	.2	-	.10	.10	.09	-	1	1	-	13	13		
Concussion-----	1	-	-	15	15	16	3	19	.2	(1/)	.07	.08	.01	29	3	31	-	40	412		
Crushing, contusion-----	9	-	3	2,213	2,216	2,225	2,186	4,411	27.0	.04	10.56	10.60	10.42	257	354	612	1,213	32	58		
Cut, laceration-----	-	-	-	898	898	898	898	2,212	10.9	-	4.28	4.28	6.26	-	128	128	-	30	30		
Dermatitis-----	-	-	-	9	9	9	12	21	.1	-	.04	.04	.06	-	(2/)	(2/)	-	11	11		
Dislocation-----	-	-	-	44	44	44	20	64	.5	-	.21	.21	.10	-	16	16	-	77	77		
Electric shock-----	8	-	-	21	21	29	17	46	.4	.04	.10	.14	.08	229	3	232	-	33	1,679		
Fracture-----	6	6	3	1,175	1,184	1,190	448	1,638	14.4	.03	5.64	5.67	2.14	172	703	874	1,867	90	154		
Hearing loss-----	-	-	-	2	2	2	2	4	(1/)	-	.01	.01	.01	-	(2/)	(2/)	-	8	8		
Hernia-----	-	-	-	66	66	66	11	77	.8	-	.31	.31	.05	-	17	17	-	53	53		
Inflammation-----	-	-	-	18	18	18	10	28	.2	-	.09	.09	.05	-	6	6	-	70	70		
Poisoning-----	-	-	-	2	2	2	3	5	(1/)	-	.01	.01	.01	-	(2/)	(2/)	-	17	17		
Pneumoconiosis-----	-	-	-	-	-	-	10	10	-	-	-	-	.05	-	-	-	-	-	-		
Scratches-----	-	-	-	58	58	58	119	177	.7	-	.28	.28	.57	-	6	6	-	21	21		
Strain, sprain-----	-	-	-	2,046	2,046	2,046	1,185	3,231	24.8	-	9.75	9.75	5.65	-	455	455	-	47	47		
Multiple injuries-----	64	1	2	336	339	403	170	573	4.9	.31	1.62	1.92	.81	1,830	144	1,974	2,400	58	1,028		
Other, not elsewhere classified-----	-	-	-	377	377	377	488	865	4.6	-	1.80	1.80	2.33	-	37	37	-	20	20		
Unclassified (no data)-----	6	2	-	620	622	628	350	978	7.6	.03	2.96	2.99	1.67	172	196	368	-	47	123		
Total or average-----	99	10	118	8,009	8,137	8,236	6,436	14,672	-	.47	38.78	39.25	30.68	2,831	2,353	5,184	548	46	132		
Surface:																					
Amputation, enucleation-----	-	-	7	1	8	8	1	9	1.5	-	.34	.34	.04	-	94	94	306	60	275		
Asphyxiation-----	-	-	-	-	-	-	1	1	-	-	-	-	.04	-	-	-	-	-	-		
Burn, scald (except chemical)-----	-	-	-	9	9	9	23	32	1.7	-	.38	.38	.98	-	7	7	-	17	17		
Burn, chemical-----	-	-	-	6	6	6	8	14	1.1	-	.26	.26	.34	-	5	5	-	18	18		
Concussion-----	-	-	-	1	1	1	2	3	.2	-	.04	.04	.09	-	3	3	-	69	69		
Crushing, contusion-----	-	-	-	116	116	116	161	277	21.9	-	4.96	4.96	6.88	-	130	130	-	26	26		
Cut, laceration-----	-	-	-	42	42	42	184	226	7.9	-	1.80	1.80	7.87	-	44	44	-	24	24		
Dermatitis-----	-	-	-	1	1	1	5	6	.2	-	.04	.04	.21	-	(2/)	(2/)	-	5	5		
Dislocation-----	-	-	-	5	5	5	3	8	.9	-	.21	.21	.13	-	16	16	-	73	73		
Electric shock-----	3	-	-	-	-	-	3	6	.6	.13	.13	.13	.13	770	-	770	-	-	6,000		
Fracture-----	-	1	-	82	83	83	54	137	15.7	-	3.55	3.55	2.31	-	520	520	-	75	147		
Hearing loss-----	-	-	-	-	-	-	1	1	-	-	-	-	.04	-	-	-	-	-	-		
Heat exhaustion-----	-	-	-	-	-	-	1	1	-	-	-	-	.04	-	-	-	-	-	-		
Hernia-----	-	-	-	5	5	5	4	9	.9	-	.21	.21	.17	-	8	8	-	35	35		
Poisoning-----	-	-	-	-	-	-	2	2	-	-	-	-	.09	-	-	-	-	-	-		
Scratches-----	-	-	-	2	2	2	14	16	.4	-	.09	.09	.60	-	1	1	-	8	8		
Strain, sprain-----	-	-	-	162	162	162	132	294	30.6	-	6.93	6.93	5.64	-	291	291	-	42	42		
Multiple injuries-----	8	-	-	15	15	23	24	47	4.3	.34	.64	.98	1.03	2,053	37	2,090	-	58	2,125		
Other, not elsewhere classified-----	-	-	-	30	30	30	80	110	5.7	-	1.28	1.28	3.42	-	22	22	-	17	17		
Unclassified (no data)-----	1	-	-	32	32	33	30	63	6.2	.04	1.37	1.41	1.28	257	113	370	-	83	262		
Total or average-----	12	1	7	509	517	529	730	1,259	-	.51	22.11	22.62	31.22	3,079	1,290	4,368	306	43	193		
Total or average, underground mines-----	111	11	125	8,518	8,654	8,765	7,166	15,931	-	.48	37.11	37.59	30.73	2,856	2,246	5,102	535	46	136		

See footnotes at end of table.

TABLE 23. - Number of injuries, injury rates, and average severity at bituminous coal mines, by nature of injury, 1975 - Continued

General work location and nature of injury	Number of injuries							Distribution of all disabling injuries, percent	Frequency rates per million man-hours				Severity rates per million man-hours			Average severity					
	Fatal	Nonfatal disabling			All disabling injuries	Non-disabling injuries	All injuries		Fatal	Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Permanent partial	Temporary total	All disabling			
		Permanent		Temporary total															All non-fatal disabling	Total	Partial
		Total	Partial																		
Strip mines:																					
Amputation, enucleation----	-	-	30	6	36	36	1	37	2.2	-	0.38	0.38	0.01	-	219	219	666	128	576		
Asphyxiation-----	2	-	-	-	-	2	-	2	.1	0.02	-	.02	-	127	-	127	-	-	6,000		
Burn, scald (except chemical)-----	-	-	-	62	62	62	54	116	3.8	-	.66	.66	.57	-	14	14	-	21	21		
Burn, chemical-----	-	-	-	7	7	7	4	11	.4	-	.07	.07	.04	-	1	1	-	10	10		
Concussion-----	-	-	-	8	8	8	1	9	.5	-	.08	.08	.01	-	2	2	-	21	21		
Crushing, contusion-----	1	1	1	266	268	269	295	564	16.4	.01	2.83	2.84	3.12	63	113	176	200	17	62		
Cut, laceration-----	-	-	1	148	149	149	360	509	9.1	-	1.57	1.57	3.81	-	30	30	300	17	19		
Dermatitis-----	-	-	-	3	3	3	2	5	.2	-	.03	.03	.02	-	(2/)	(2/)	-	3	3		
Dislocation-----	-	-	-	13	13	13	3	16	.8	-	.14	.14	.03	-	5	5	-	34	34		
Electric shock-----	1	-	-	-	-	1	-	1	.1	.01	-	.01	-	63	-	63	-	-	6,000		
Fracture-----	2	-	2	246	248	250	80	330	15.2	.02	2.62	2.64	.85	127	155	281	275	57	106		
Hearing loss-----	-	-	-	-	-	-	1	1	-	-	-	-	.01	-	-	-	-	-	-	-	
Heat exhaustion-----	-	-	-	1	1	1	-	1	.1	-	.01	.01	-	-	(2/)	(2/)	-	8	8		
Hernia-----	-	-	-	23	23	23	4	27	1.4	-	.24	.24	.04	-	11	11	-	47	47		
Inflammation-----	-	-	-	-	-	-	1	1	-	-	-	-	.01	-	-	-	-	-	-	-	
Poisoning-----	-	-	-	4	4	4	1	5	.2	-	.04	.04	.01	-	(2/)	(2/)	-	3	3		
Scratches-----	-	-	-	8	8	8	18	26	.5	-	.08	.08	.19	-	1	1	-	8	8		
Strain, sprain-----	-	1	-	463	464	464	195	659	28.2	-	4.90	4.90	2.06	-	210	210	-	30	43		
Heart attack-----	-	-	-	1	1	1	-	1	.1	-	.01	.01	-	-	(2/)	(2/)	-	24	24		
Multiple injuries-----	12	-	1	77	78	90	50	140	5.5	.13	.82	.95	.53	761	47	808	900	46	849		
Other, not elsewhere classified-----	-	-	1	99	100	100	159	259	6.1	-	1.06	1.06	1.68	-	56	56	3,200	21	53		
Unclassified (no data)-----	13	-	-	140	140	153	108	261	9.3	.14	1.48	1.62	1.14	824	49	874	-	33	540		
Total or average-----	31	2	36	1,575	1,613	1,644	1,337	2,981	-	.33	17.05	17.38	14.13	1,966	912	2,878	698	31	166		
Auger mines:																					
Amputation, enucleation----	-	-	1	-	1	1	-	1	2.6	-	.69	.69	-	-	41	41	60	-	60		
Crushing, contusion-----	-	-	-	9	9	9	6	15	23.1	-	6.19	6.19	4.13	-	65	65	-	11	11		
Cut, laceration-----	-	-	-	1	1	1	1	3	2.6	-	.69	.69	2.06	-	1	1	-	1	1		
Dermatitis-----	-	-	-	1	1	1	-	1	2.6	-	.69	.69	-	-	4	4	-	6	6		
Fracture-----	1	-	-	3	3	4	1	5	10.3	.69	2.06	2.75	.69	4,128	193	4,320	-	93	1,570		
Strain, sprain-----	-	-	-	11	11	11	3	14	28.2	-	7.57	7.57	2.06	-	121	121	-	16	16		
Multiple injuries-----	2	-	-	4	4	6	1	7	15.4	1.38	2.75	4.13	.69	8,255	41	8,296	-	15	2,010		
Other, not elsewhere classified-----	-	-	-	3	3	3	1	4	7.7	-	2.06	2.06	.69	-	19	19	-	9	9		
Unclassified-----	-	-	-	3	3	3	3	4	7.7	-	2.06	2.06	2.75	-	109	109	-	53	53		
Total or average-----	3	-	1	35	36	39	19	58	-	2.06	24.77	26.83	13.07	12,383	594	12,977	60	23	484		
Other surface mining:																					
Cut, laceration-----	-	-	-	-	-	-	2	2	100.0	-	-	-	9.29	-	-	-	-	-	-	-	
Strain, sprain-----	-	-	-	1	1	1	-	1	-	-	4.64	4.64	-	-	5	5	-	1	1		
Total or average-----	-	-	-	1	1	1	2	3	-	-	4.64	4.64	9.29	-	5	5	-	1	1		
Total or average, surface-----	34	2	37	1,611	1,650	1,684	1,358	3,042	-	.35	17.14	17.49	14.10	2,119	906	3,024	681	31	173		
Total or average, mining-----	145	13	162	10,129	10,304	10,449	8,524	18,973	-	.44	31.27	31.71	25.87	2,641	1,854	4,495	568	44	142		

See footnotes at end of table.

TABLE 23. - Number of injuries, injury rates, and average severity at bituminous coal mines, by nature of injury, 1975 - Continued

General work location and nature of injury	Number of injuries							Distribution of all disabling injuries, percent	Frequency rates per million man-hours				Severity rates per million man-hours			Average severity					
	Fatal	Nonfatal disabling				All disabling injuries	Non-disabling injuries		All injuries	Fatal	Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Permanent partial	Temporary total	All disabling		
		Permanent		Temporary total	All non-fatal disabling															Total	Partial
		Total	Partial																		
Independent shops and yards:																					
Amputation, enucleation-----	-	-	-	2	2	2	-	2	2.5	-	0.31	0.31	-	-	2	2	-	8	8		
Burn, scald (except chemical)-----	-	-	-	3	3	3	4	7	3.8	-	.47	.47	0.63	-	6	6	-	12	12		
Crushing, contusion-----	-	-	-	9	9	9	16	25	11.4	-	1.41	1.41	2.51	-	32	32	-	22	22		
Cut, laceration-----	-	-	-	2	2	2	24	26	2.5	-	.31	.31	3.76	-	(2/)	(2/)	-	2	2		
Dislocation-----	-	-	-	-	-	-	1	1	-	-	-	-	.16	-	-	-	-	-	-		
Fracture-----	-	-	-	22	22	22	14	36	27.8	-	3.45	3.45	2.20	-	343	343	-	99	99		
Hernia-----	-	-	-	3	3	3	-	3	3.8	-	.47	.47	-	-	41	41	-	87	87		
Scratches-----	-	-	-	-	-	-	5	5	-	-	-	-	.78	-	-	-	-	-	-		
Strain, sprain-----	-	-	-	26	26	26	9	35	32.9	-	4.08	4.08	1.41	-	260	260	-	64	64		
Multiple injuries-----	-	-	-	3	3	3	1	4	3.8	-	.47	.47	.16	-	30	30	-	64	64		
Other, not elsewhere classified-----	-	-	-	4	4	4	6	10	5.1	-	.63	.63	.94	-	1	1	-	1	1		
Unclassified (no data)-----	-	-	-	5	5	5	4	9	6.3	-	.78	.78	.63	-	10	10	-	12	12		
Total or average-----	-	-	-	79	79	79	84	163	-	-	12.39	12.39	13.18	-	723	723	-	58	58		
Mechanical cleaning plants:																					
Amputation, enucleation----	-	-	4	1	5	5	1	6	1.0	-	.18	.18	.04	-	33	33	212	53	181		
Burn, scald (except chemical)-----	-	-	-	18	18	18	24	42	3.7	-	.66	.66	.88	-	11	11	-	17	17		
Burn, chemical-----	-	-	-	5	5	5	10	15	1.0	-	.18	.18	.36	-	2	2	-	11	11		
Crushing, contusion-----	1	-	-	77	77	78	126	204	16.2	0.04	2.81	2.85	4.60	219	60	279	-	21	98		
Cut, laceration-----	-	-	-	42	42	42	114	156	8.7	-	1.53	1.53	4.16	-	35	35	-	23	23		
Dermatitis-----	-	-	-	2	2	2	1	3	.4	-	.07	.07	.04	-	1	1	-	8	8		
Dislocation-----	-	-	-	2	2	2	4	6	.4	-	.07	.07	.15	-	2	2	-	24	24		
Electric shock-----	2	-	-	3	3	5	-	5	1.0	.07	.11	.18	-	438	1	439	-	7	2,404		
Fracture-----	1	1	-	78	79	80	36	116	16.6	.04	2.88	2.92	1.31	219	437	656	-	76	225		
Hearing loss-----	-	-	1	-	1	1	-	1	.2	-	.04	.04	-	-	11	11	300	-	300		
Hernia-----	-	-	-	6	6	6	5	11	1.2	-	.22	.22	.18	-	19	19	-	89	89		
Inflammation-----	-	-	-	1	1	1	1	2	.2	-	.04	.04	.04	-	(2/)	(2/)	-	12	12		
Poisoning-----	-	-	-	1	1	1	1	2	.2	-	.04	.04	.04	-	(2/)	(2/)	-	8	8		
Scratches-----	-	-	-	5	5	5	15	20	1.0	-	.18	.18	.55	-	4	4	-	22	22		
Strain, sprain-----	-	-	-	144	144	144	120	264	29.9	-	5.26	5.26	4.38	-	157	157	-	30	30		
Cerebral hemorrhage-----	-	-	-	-	-	-	1	1	-	-	-	-	.04	-	-	-	-	-	-		
Multiple injuries-----	3	1	-	28	29	32	15	47	6.7	.11	1.06	1.17	.55	657	278	935	-	58	800		
Other, not elsewhere classified-----	-	-	-	24	24	24	70	94	5.0	-	.88	.88	2.55	-	10	10	-	12	12		
Unclassified (no data)-----	1	-	-	29	29	30	33	63	6.2	.04	1.06	1.09	1.20	219	48	267	-	45	243		
Total or average-----	8	2	5	466	473	481	577	1,058	-	.29	17.26	17.56	21.06	1,752	1,110	2,862	230	37	163		
Grand total or average-----	153	15	167	10,674	10,856	11,009	9,185	20,194	-	.42	29.89	30.31	25.29	2,527	1,778	4,306	558	43	142		

1/ Less than 0.05.
2/ Less than 0.5.

TABLE 24. - Number of injuries, injury rates, and average severity at Pennsylvania anthracite mines, by nature of injury, 1975

General work location and nature of injury	Number of injuries								Distribution of all disabling injuries, percent	Frequency rates per million man-hours				Severity rates per million man-hours			Average severity				
	Fatal	Nonfatal disabling				All disabling injuries	Non-disabling injuries	All injuries		Fatal	Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Permanent partial	Temporary total	All disabling		
		Permanent		Temporary total	All non-fatal disabling															Severity rates per million man-hours	
		Total	Partial																	Fatal	Non-fatal disabling
Underground mines:																					
Underground:																					
Crushing, contusion-----	-	-	-	10	10	10	-	10	30.3	-	15.01	15.01	-	-	224	224	-	15	15		
Cut, laceration-----	-	-	-	7	7	7	1	8	21.2	-	10.51	10.51	1.50	-	80	80	-	8	8		
Fracture-----	-	-	-	6	6	6	-	6	18.2	-	9.01	9.01	-	-	509	509	-	56	56		
Hernia-----	-	-	-	1	1	1	-	1	3.0	-	1.50	1.50	-	-	215	215	-	143	143		
Strain, sprain-----	-	-	-	6	6	6	4	10	18.2	-	9.01	9.01	6.01	-	165	165	-	18	18		
Other, not elsewhere classified-----	-	-	-	1	1	1	-	1	3.0	-	1.50	1.50	-	-	2	2	-	1	1		
Unclassified (no data)-----	-	-	-	2	2	2	-	2	6.1	-	3.00	3.00	-	-	568	568	-	189	189		
Total or average-----	-	-	-	33	33	33	5	38	-	-	49.54	49.54	7.51	-	1,761	1,761	-	36	36		
Surface:																					
Total or average-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total or average, underground mines-----	-	-	-	33	33	33	5	38	-	-	42.37	42.37	6.42	-	1,506	1,506	-	36	36		
Strip mines:																					
Burn, scald (except chemical)-----	-	-	-	3	3	3	10	13	2.9	-	1.48	1.48	4.94	-	43	43	-	29	29		
Burn, chemical-----	-	-	-	-	-	-	1	1	-	-	-	.49	-	-	-	-	-	-	-		
Concussion-----	-	-	-	-	-	-	1	1	-	-	-	.49	-	-	-	-	-	-	-		
Crushing, contusion-----	-	-	-	23	23	23	68	91	22.5	-	11.37	11.37	33.61	-	391	391	-	34	34		
Cut, laceration-----	-	-	-	15	15	15	36	51	14.7	-	7.41	7.41	17.79	-	136	136	-	18	18		
Dermatitis-----	-	-	-	-	-	-	4	4	-	-	-	1.98	-	-	-	-	-	-	-		
Dislocation-----	-	-	-	1	1	1	-	1	1.0	-	.49	.49	-	-	(1/)	(1/)	-	1	1		
Fracture-----	-	-	-	4	4	4	7	11	3.9	-	1.98	1.98	3.46	-	160	160	-	81	81		
Hernia-----	-	-	-	4	4	4	4	8	3.9	-	1.98	1.98	1.98	-	132	132	-	67	67		
Scratches-----	-	-	-	1	1	1	7	8	1.0	-	.49	.49	3.46	-	19	19	-	39	39		
Strain, sprain-----	-	-	-	31	31	31	41	72	30.4	-	15.32	15.32	20.27	-	557	557	-	36	36		
Heart attack-----	-	-	-	2	2	2	-	2	2.0	-	.99	.99	-	-	274	274	-	277	277		
Multiple injuries-----	1	-	-	1	1	2	3	5	2.0	0.49	.49	.99	1.48	2,966	6	2,972	-	13	3,006		
Other, not elsewhere classified-----	-	-	-	-	-	-	20	20	-	-	-	-	9.89	-	-	-	-	-	-		
Unclassified (no data)-----	-	-	-	16	16	16	14	30	15.7	-	7.91	7.91	6.92	-	344	344	-	43	43		
Total or average-----	1	-	-	101	101	102	216	318	-	.49	49.92	50.42	106.76	2,966	2,063	5,028	-	41	100		
Culm banks:																					
Crushing, contusion-----	-	-	-	3	3	3	4	7	33.3	-	11.97	11.97	15.96	-	327	327	-	27	27		
Cut, laceration-----	-	-	-	2	2	2	-	2	22.2	-	7.98	7.98	-	-	208	208	-	26	26		
Fracture-----	-	-	-	3	3	3	1	4	33.3	-	11.97	11.97	3.99	-	1,317	1,317	-	110	110		
Strain, sprain-----	-	-	-	1	1	1	2	3	11.1	-	3.99	3.99	7.98	-	387	387	-	97	97		
Other, not elsewhere classified-----	-	-	-	-	-	-	3	3	-	-	-	-	11.97	-	-	-	-	-	-		
Unclassified (no data)-----	-	-	-	-	-	-	2	2	-	-	-	-	7.98	-	-	-	-	-	-		
Total or average-----	-	-	-	9	9	9	12	21	-	-	35.92	35.92	47.89	-	2,239	2,239	-	62	62		

See footnote at end of table.

TABLE 24. - Number of injuries, injury rates, and average severity at Pennsylvania anthracite mines, by nature of injury, 1975 - Continued

General work location and nature of injury	Number of injuries								Distribution of all disabling injuries, percent	Frequency rates per million man-hours				Severity rates per million man-hours			Average severity					
	Fatal	Nonfatal disabling				All disabling injuries	Non-disabling injuries	All injuries		Fatal	Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Permanent partial	Temporary total	All disabling			
		Permanent		Temporary total	All non-fatal disabling															Fatal	Non-fatal disabling	All disabling
		Total	Partial																			
Total or average, surface----	1	-	-	110	110	111	228	339	-	0.44	48.28	48.72	100.06	2,633	2,078	4,711	-	43	97			
Total or average, mining----	1	-	-	143	143	144	233	377	-	.33	46.77	47.10	76.21	1,962	1,932	3,895	-	41	83			
Independent shops and yards:																						
Burn, scald (except chemical)-----	-	-	-	-	-	-	7	7	-	-	-	-	44.36	-	-	-	-	-	-			
Burn, chemical-----	-	-	-	-	-	-	1	1	-	-	-	-	6.34	-	-	-	-	-				
Crushing, contusion-----	-	-	-	2	2	-	6	8	20.0	-	12.67	12.67	38.02	-	222	222	-	18	18			
Cut, laceration-----	-	-	-	1	1	-	12	13	10.0	-	6.34	6.34	76.05	-	57	57	-	9	9			
Dermatitis-----	-	-	-	-	-	-	-	1	-	-	-	-	6.34	-	-	-	-	-				
Fracture-----	-	-	-	2	2	-	1	3	20.0	-	12.67	12.67	6.34	-	1,591	1,591	-	126	126			
Scratches-----	-	-	-	1	1	-	1	1	10.0	-	6.34	6.34	13	-	13	13	-	2	2			
Strain, sprain-----	-	-	-	1	1	-	6	7	10.0	-	6.34	6.34	38.02	-	108	108	-	17	17			
Other, not elsewhere classified-----	-	-	-	3	3	-	6	9	30.0	-	19.01	19.01	38.02	-	203	203	-	11	11			
Unclassified (no data)-----	-	-	-	-	-	-	2	2	-	-	-	-	12.67	-	-	-	-	-				
Total or average-----	-	-	-	10	10	10	42	52	-	-	63.37	63.37	266.17	-	2,193	2,193	-	35	35			
Mechanical cleaning plants:																						
Amputation, enucleation-----	-	-	1	-	1	1	-	1	1.0	-	.58	.58	-	-	43	43	75	-	75			
Burn, scald (except chemical)-----	-	-	-	2	2	-	14	16	2.0	-	1.16	1.16	8.09	-	16	16	-	14	14			
Crushing, contusion-----	-	-	-	21	21	-	54	75	21.2	-	12.13	12.13	31.19	-	163	163	-	13	13			
Cut, laceration-----	-	-	-	17	17	-	36	53	17.2	-	9.82	9.82	20.79	-	402	402	-	41	41			
Dermatitis-----	-	-	-	-	-	-	2	2	-	-	-	-	1.16	-	-	-	-	-				
Dislocation-----	-	-	-	1	1	-	1	2	1.0	-	.58	.58	.58	-	42	42	-	72	72			
Fracture-----	-	-	-	6	6	-	6	7	6.1	-	3.47	3.47	.58	-	144	144	-	42	42			
Hernia-----	-	-	-	4	4	-	4	4	4.0	-	2.31	2.31	-	-	158	158	-	68	68			
Scratches-----	-	-	-	-	-	-	4	4	-	-	-	-	2.31	-	-	-	-	-				
Strain, sprain-----	-	-	-	27	27	-	32	59	27.3	-	15.59	15.59	18.48	-	243	243	-	16	16			
Multiple injuries-----	1	-	-	1	1	-	2	2	2.0	.58	.58	1.16	-	3,465	56	3,521	-	97	3,048			
Other, not elsewhere classified-----	-	-	-	3	3	-	27	30	3.0	-	1.73	1.73	15.59	-	21	21	-	12	12			
Unclassified (no data)-----	-	-	-	15	15	-	10	25	15.2	-	8.66	8.66	5.78	-	192	192	-	22	22			
Total or average-----	1	-	1	97	98	99	181	280	-	.58	56.60	57.18	104.54	3,465	1,479	4,944	75	26	86			
Grand total or average-----	2	-	1	250	251	253	456	709	-	.40	50.74	51.15	92.18	2,426	1,782	4,208	75	35	82			

1/ Less than 0.5.

TABLE 25. - Number of injuries at bituminous coal mines in the United States, by part of body injured and nature of injury, 1975

Nature of injury	Total			Part of body											
				Head, face, neck (excluding eye)			Eye			Trunk			Arm (above wrist)		
	Fatal	Nonfatal disabling	Non- disabling	Fatal	Nonfatal disabling	Non- disabling	Fatal	Nonfatal disabling	Non- disabling	Fatal	Nonfatal disabling	Non- disabling	Fatal	Nonfatal disabling	Non- disabling
Amputation, enucleation-----	-	174	4	-	1	-	-	1	-	-	-	1	-	4	-
Asphyxiation-----	7	9	12	-	-	-	-	-	-	-	4	3	-	-	-
Burn, scald (except chemical)-	-	161	162	-	17	32	-	9	30	-	6	4	-	14	19
Burn, chemical-----	-	38	41	-	2	3	-	11	8	-	2	2	-	3	4
Concussion-----	1	24	6	1	24	5	-	-	-	-	-	-	-	-	-
Crushing, contusion-----	11	2,695	2,790	4	139	163	-	16	49	4	614	483	-	166	245
Cut, laceration-----	-	1,134	2,001	-	201	463	-	80	104	-	24	25	-	64	116
Dermatitis-----	-	16	20	-	1	-	-	4	4	-	-	-	-	2	2
Dislocation-----	-	64	31	-	1	-	-	-	-	-	35	15	-	6	1
Electric shock-----	14	24	17	-	1	-	-	-	17	-	-	-	-	1	-
Fracture-----	10	1,619	633	3	77	91	-	1	-	6	259	45	-	132	22
Freezing-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hearing loss-----	-	3	4	-	3	4	-	-	-	-	-	-	-	-	-
Heat exhaustion-----	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Hernia-----	-	103	24	-	-	1	-	1	-	-	90	19	-	2	-
Inflammation-----	-	19	12	-	-	-	-	-	1	-	2	1	-	1	-
Poisoning-----	-	7	7	-	1	-	-	-	-	-	1	1	-	-	2
Pneumoconiosis-----	-	-	10	-	-	-	-	-	-	-	-	10	-	-	-
Silicosis-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Radiation-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scratches-----	-	73	171	-	7	18	-	24	94	-	8	10	-	2	4
Strain, sprain-----	-	2,854	1,644	-	148	103	-	-	-	-	1,871	982	-	53	46
Heart attack-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral hemorrhage-----	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
Multiple injuries-----	89	468	261	11	40	29	-	2	5	5	48	15	-	23	23
Other, not elsewhere classified-----	-	538	804	-	22	30	-	303	626	-	11	3	-	15	17
Unclassified (no data)-----	21	831	529	4	100	89	-	22	46	-	274	136	-	36	25
Total-----	153	10,856	9,185	23	785	1,032	-	474	967	15	3,249	1,755	-	524	526

TABLE 25. - Number of injuries at bituminous coal mines in the United States, by part of body injured and nature of injury, 1975 - Continued

Nature of injury	Part of body														
	Wrist, hand, fingers			Leg (above ankle)			Ankle, foot, toes			Multiple parts			Unclassified (no data)		
	Fatal	Nonfatal disabling	Non-disabling	Fatal	Nonfatal disabling	Non-disabling	Fatal	Nonfatal disabling	Non-disabling	Fatal	Nonfatal disabling	Non-disabling	Fatal	Nonfatal disabling	Non-disabling
Amputation, enucleation-----	-	150	3	-	6	-	-	11	-	-	1	-	-	-	-
Asphyxiation-----	-	1	-	-	-	-	-	-	-	-	-	-	7	4	9
Burn, scald (except chemical)-	-	37	49	-	12	11	-	9	4	-	54	12	-	3	1
Burn, chemical-----	-	4	7	-	5	9	-	6	2	-	5	5	-	-	1
Concussion-----	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Crushing, contusion-----	-	495	806	-	500	504	-	479	377	3	271	157	-	15	6
Cut, laceration-----	-	534	999	-	118	128	-	86	138	-	23	19	-	4	9
Dermatitis-----	-	3	2	-	1	1	-	1	1	-	3	9	-	1	1
Dislocation-----	-	13	13	-	6	2	-	1	-	-	2	-	-	-	-
Electric shock-----	-	1	1	-	-	-	-	-	-	2	2	3	12	19	13
Fracture-----	-	467	363	-	196	16	-	445	95	1	38	1	-	4	-
Freezing-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hearing loss-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heat exhaustion-----	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-
Hernia-----	-	-	1	-	2	-	-	-	-	-	-	-	-	8	3
Inflammation-----	-	-	1	-	15	8	-	-	-	-	-	1	-	1	-
Poisoning-----	-	1	2	-	1	-	-	-	-	-	1	1	-	2	1
Pneumoconiosis-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silicosis-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Radiation-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scratches-----	-	13	16	-	12	20	-	3	1	-	4	8	-	-	-
Strain, sprain-----	-	81	99	-	282	158	-	299	200	-	97	48	-	23	8
Heart attack-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Cerebral hemorrhage-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Multiple injuries-----	-	65	70	-	40	23	-	29	8	73	217	88	-	4	-
Other, not elsewhere classified-----	-	104	89	-	20	4	-	4	3	-	53	25	-	6	7
Unclassified (no data)-----	-	110	84	-	93	44	-	66	38	2	81	26	15	49	41
Total-----	-	2,079	2,607	-	1,309	928	-	1,439	867	81	853	403	34	144	100

TABLE 26. - Number of injuries at Pennsylvania anthracite mines in the United States, by part of body injured and nature of injury, 1975

Nature of injury	Total			Part of body											
				Head, face, neck (excluding eye)			Eye			Trunk			Arm (above wrist)		
	Fatal	Nonfatal disabling	Non- disabling	Fatal	Nonfatal disabling	Non- disabling	Fatal	Nonfatal disabling	Non- disabling	Fatal	Nonfatal disabling	Non- disabling	Fatal	Nonfatal disabling	Non- disabling
Amputation, enucleation-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Asphyxiation-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Burn, scald (except chemical)-----	-	5	31	-	-	8	-	-	4	-	-	1	-	-	3
Burn, chemical-----	-	-	2	-	-	1	-	-	1	-	-	-	-	-	-
Concussion-----	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
Crushing, contusion-----	-	59	132	-	-	7	-	-	1	-	14	28	-	5	14
Cut, laceration-----	-	42	85	-	7	21	-	2	6	-	1	-	-	5	7
Dermatitis-----	-	-	7	-	-	-	-	-	-	-	-	1	-	-	1
Dislocation-----	-	2	1	-	-	-	-	-	-	-	1	-	-	-	-
Electric shock-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fracture-----	-	21	10	-	1	3	-	-	-	-	5	-	-	-	-
Freezing-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hearing loss-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heat exhaustion-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hernia-----	-	9	4	-	-	-	-	-	-	-	8	4	-	-	-
Inflammation-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poisoning-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumoconiosis-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silicosis-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Radiation-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scratches-----	-	2	11	-	-	-	-	1	5	-	-	-	-	-	-
Strain, sprain-----	-	66	85	-	1	2	-	-	-	-	34	54	-	1	4
Heart attack-----	-	2	-	-	-	-	-	-	-	-	2	-	-	-	-
Cerebral hemorrhage-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Multiple injuries-----	2	2	3	-	-	-	-	-	-	-	1	-	-	-	1
Other, not elsewhere classified-----	-	7	56	-	-	5	-	6	46	-	-	1	-	-	3
Unclassified (no data)-----	-	33	28	-	1	2	-	-	-	-	20	15	-	-	1
Total-----	2	251	456	-	10	50	-	9	63	-	86	104	-	11	34

TABLE 26. - Number of injuries at Pennsylvania anthracite mines in the United States, by part of body injured and nature of injury, 1975 - Continued

Nature of injury	Part of body														
	Wrist, hand, fingers			Leg (above ankle)			Ankle, foot, toes			Multiple parts			Unclassified (no data)		
	Fatal	Nonfatal disabling	Non-disabling	Fatal	Nonfatal disabling	Non-disabling	Fatal	Nonfatal disabling	Non-disabling	Fatal	Nonfatal disabling	Non-disabling	Fatal	Nonfatal disabling	Non-disabling
Amputation, enucleation-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Asphyxiation-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Burn, scald (except chemical)-	-	3	9	-	-	3	-	1	2	-	1	-	-	-	1
Burn, chemical-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Concussion-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crushing, contusion-----	-	8	45	-	14	22	-	12	9	-	6	6	-	-	-
Cut, laceration-----	-	14	42	-	8	2	-	4	5	-	1	1	-	-	1
Dermatitis-----	-	-	3	-	-	-	-	-	-	-	-	2	-	-	-
Dislocation-----	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Electric shock-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fracture-----	-	5	6	-	1	-	-	8	1	-	1	-	-	-	-
Freezing-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hearing loss-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heat exhaustion-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hernia-----	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Inflammation-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poisoning-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumoconiosis-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silicosis-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Radiation-----	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Scratches-----	-	1	3	-	-	2	-	-	-	-	-	1	-	-	-
Strain, sprain-----	-	1	8	-	11	8	-	14	7	-	3	2	-	1	-
Heart attack-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebral hemorrhage-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Multiple injuries-----	-	-	-	-	-	-	-	-	-	2	1	2	-	-	-
Other, not elsewhere classified-----	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-
Unclassified (no data)-----	-	3	3	-	3	2	-	3	1	-	1	1	-	2	3
Total-----	-	37	121	-	37	39	-	42	25	2	15	15	-	4	5

TABLE 27. - Closed cases ^{1/} of temporary total injuries, for which companies reported days of disability, at coal mines, by days of disability per injury and kind of coal, 1975

Days of disability per injury	Number of closed temporary total injuries			Percent of total
	Bituminous coal	Pennsylvania anthracite	Total	
1-----	692	27	719	6.8
2-----	417	16	433	4.1
3-----	550	14	564	5.3
4-----	559	15	574	5.4
5-----	531	9	540	5.1
6-----	509	13	522	4.9
7-----	282	3	285	2.7
8-----	214	9	223	2.1
9-----	265	5	270	2.5
10-----	295	1	296	2.8
11-----	261	6	267	2.5
12-----	243	2	245	2.3
13-----	233	3	236	2.2
14-----	145	3	148	1.4
15-----	109	5	114	1.1
16-----	162	6	168	1.6
17-----	157	3	160	1.5
18-----	163	2	165	1.5
19-----	143	2	145	1.4
20-----	171	3	174	1.6
21-----	89	-	89	.8
22-----	71	2	73	.7
23-----	87	6	93	.9
24-----	84	-	84	.8
25-----	103	1	104	1.0
26-----	119	1	120	1.1
27-----	95	1	96	.9
28-----	57	1	58	.5
29-----	54	1	55	.5
30-----	93	1	94	.9
31-----	76	-	76	.7
32-----	91	2	93	.9
33-----	82	-	82	.8
34-----	88	3	91	.9
35-----	44	1	45	.4
36-----	51	1	52	.5
37-----	65	-	65	.6
38-----	61	-	61	.6
39-----	62	1	63	.6
40-----	72	1	73	.7
41-----	80	3	83	.8
42-----	39	2	41	.4
43-----	39	-	39	.4
44-----	51	1	52	.5
45-----	62	1	63	.6
46-60-----	594	17	611	5.7
61-90-----	635	14	649	6.1
91-120-----	303	12	315	3.0
121-150-----	198	6	204	1.9
151 or more-----	767	9	776	7.3
Total-----	10,413	235	10,648	-

^{1/} In addition to the closed temporary total injuries, there were 261 temporary total injuries for which days of disability were not reported at bituminous coal mines and 15 at Pennsylvania anthracite mines. To obtain total severity data for the industry, these "open cases" were closed by assigning average days of disability by detailed cause classification.

TABLE 28. - Number of injuries, frequency rates per million man-hours, employment, worktime, and production data at bituminous coal mines in the United States, by general work location and employment size group, 1975

General work location and employment size group	Number of injuries					Frequency rates per million man-hours					Average men working daily	Man-hours worked	Production, short tons	Tons per man-hour	Number of operations	
	Fatal	Non-fatal disabling	All disabling	Non-disabling	All injuries	Fatal	Non-fatal disabling	All disabling	Non-disabling	All injuries						
Underground mines (includes surface works):																
1 to 4-----	2	3	5	2	7	9.60	14.40	24.00	9.60	33.60	272	208,322	238,893	1.15	90	
5 to 9-----	4	40	44	16	60	2.10	20.98	23.07	8.39	31.46	2,161	1,906,910	3,124,708	1.64	259	
10 to 19-----	8	199	207	127	334	1.15	28.71	29.87	18.32	48.19	5,608	6,930,726	11,304,399	1.63	372	
20 to 34-----	11	449	460	275	735	1.19	48.75	49.94	29.86	79.80	6,093	9,210,853	13,619,212	1.48	193	
35 to 49-----	3	370	373	280	653	.42	51.25	51.67	38.78	90.45	4,601	7,219,479	9,464,258	1.31	114	
50 to 99-----	14	1,083	1,097	922	2,019	.61	47.54	48.16	40.47	88.63	15,971	22,780,531	25,329,946	1.11	216	
100 to 149-----	17	1,008	1,025	605	1,630	.83	49.42	50.25	29.66	79.91	11,990	20,398,567	23,834,374	1.17	97	
150 to 249-----	16	1,597	1,613	1,333	2,946	.35	35.08	35.44	29.28	64.72	26,094	45,519,280	50,607,979	1.11	135	
250 or more-----	36	3,905	3,941	3,606	7,547	.30	32.81	33.11	30.30	63.41	63,694	119,020,177	140,609,047	1.18	157	
Total or average---	111	8,654	8,765	7,166	15,931	.48	37.11	37.59	30.73	68.32	136,484	233,194,845	278,132,816	1.19	1,633	
Strip mines:																
1 to 4-----	-	8	8	11	19	-	5.04	5.04	6.92	11.96	1,223	1,588,706	4,832,339	3.04	448	
5 to 9-----	5	53	58	23	81	1.12	11.87	12.99	5.15	18.14	3,050	4,465,495	12,520,146	2.80	436	
10 to 19-----	6	147	153	157	310	.53	12.90	13.42	13.77	27.20	6,886	11,397,661	29,389,079	2.58	480	
20 to 34-----	5	233	238	214	452	.38	17.85	18.23	16.39	34.62	7,194	13,054,911	33,153,107	2.54	271	
35 to 49-----	1	214	215	181	396	.11	24.07	24.18	20.36	44.54	4,704	8,891,173	28,020,798	3.15	117	
50 to 99-----	6	346	352	275	627	.38	22.06	22.44	17.53	39.97	8,233	15,686,986	60,541,204	3.86	123	
100 to 149-----	1	193	194	159	353	.08	15.78	15.86	13.00	28.85	5,948	12,234,482	43,107,874	3.52	49	
150 to 249-----	4	236	240	160	400	.31	18.33	18.64	12.43	31.07	8,829	12,874,122	66,236,765	5.14	47	
250 or more-----	3	183	186	157	343	.21	12.69	12.90	10.89	23.79	8,447	14,417,560	44,414,860	3.08	24	
Total or average---	31	1,613	1,644	1,337	2,981	.33	17.05	17.38	14.13	31.51	54,514	94,611,096	322,216,172	3.41	1,995	
Auger mines:																
1 to 4-----	2	13	15	7	22	4.53	29.42	33.94	15.84	49.78	477	441,951	2,141,926	4.85	157	
5 to 9-----	1	9	10	4	14	2.39	21.50	23.89	9.56	33.45	319	418,594	1,763,967	4.21	52	
10 to 19-----	-	1	1	1	2	-	9.28	9.28	9.28	18.56	102	107,758	200,906	1.86	8	
20 to 34-----	-	10	10	3	13	-	53.77	53.77	16.13	69.90	122	185,971	296,919	1.60	5	
35 to 49-----	-	-	-	-	-	-	-	-	-	-	35	77,816	164,670	2.12	1	
50 to 99-----	-	2	2	2	4	-	15.39	15.39	15.39	30.77	161	129,996	42,523	.33	2	
100 to 149-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
150 to 249-----	-	1	1	2	3	-	10.92	10.92	21.84	32.77	582	91,557	-	-	3	
250 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total or average---	3	36	39	19	58	2.06	24.77	26.83	13.07	39.90	1,798	1,453,643	4,610,911	3.17	228	

TABLE 28. - Number of injuries, frequency rates per million man-hours, employment, worktime, and production data at bituminous coal mines in the United States, by general work location and employment size group, 1975 - Continued

General work location and employment size group	Number of injuries					Frequency rates per million man-hours					Average men working daily	Man-hours worked	Production, short tons	Tons per man-hour	Number of operations	
	Fatal	Non-fatal disabling	All disabling	Non-fatal disabling	All injuries	Fatal	Non-fatal disabling	All disabling	Non-fatal disabling	All injuries						
Other surface mining:																
1 to 4-----	-	-	-	-	-	-	-	-	-	-	4	6,607	152,796	-	1	
5 to 9-----	-	-	-	-	-	-	-	-	-	-	25	13,204	45,488	3.45	3	
10 to 19-----	-	1	1	1	2	-	43.12	43.12	43.12	86.23	26	23,193	88,035	3.80	2	
20 to 34-----	-	-	-	-	-	-	-	-	-	-	59	88,804	239,531	2.70	2	
35 to 49-----	-	-	-	-	-	-	-	-	-	-	43	52,981	521,158	9.84	1	
50 to 99-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 to 149-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
150 to 249-----	-	-	-	1	1	-	-	-	32.77	32.77	194	30,519	-	-	1	
250 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total or average---	-	1	1	2	3	-	4.64	4.64	9.29	13.93	351	215,308	1,047,008	4.86	10	
Total or average, surface-----	34	1,650	1,684	1,358	3,042	0.35	17.14	17.49	14.10	31.60	56,663	96,280,047	327,874,091	3.41	2,233	
Total or average, mining-----	145	10,304	10,449	8,524	18,973	.44	31.27	31.71	25.87	57.59	193,147	329,474,892	606,006,907	1.84	3,866	
Independent shops and yards:																
1 to 4-----	-	3	3	1	4	-	34.19	34.19	11.40	45.58	44	87,751	-	-	16	
5 to 9-----	-	3	3	1	4	-	20.68	20.68	6.89	27.57	94	145,100	-	-	14	
10 to 19-----	-	6	6	9	15	-	13.56	13.56	20.34	33.89	225	442,566	-	-	15	
20 to 34-----	-	13	13	6	19	-	17.90	17.90	8.26	26.16	345	726,317	-	-	13	
35 to 49-----	-	12	12	8	20	-	17.25	17.25	11.50	28.75	421	695,718	-	-	10	
50 to 99-----	-	29	29	45	74	-	12.19	12.19	18.91	31.10	1,223	2,379,328	-	-	18	
100 to 149-----	-	11	11	8	19	-	7.41	7.41	5.39	12.79	803	1,485,020	-	-	7	
150 to 249-----	-	2	2	6	8	-	4.83	4.83	14.50	19.34	212	413,749	-	-	1	
250 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total or average---	-	79	79	84	163	-	12.39	12.39	13.18	25.57	3,367	6,375,549	-	-	94	
Mechanical cleaning plants:																
1 to 4-----	1	30	31	19	50	.98	29.38	30.36	18.61	48.96	658	1,021,226	-	-	226	
5 to 9-----	2	22	24	26	50	.99	10.88	11.87	12.86	24.73	1,251	2,021,550	-	-	161	
10 to 19-----	1	65	66	65	131	.28	18.02	18.29	18.02	36.31	1,929	3,607,960	-	-	125	
20 to 34-----	-	94	94	121	215	-	14.42	14.42	18.56	32.98	3,463	6,518,605	-	-	126	
35 to 49-----	1	63	64	97	161	.23	14.72	14.95	22.66	37.61	2,383	4,280,805	-	-	59	
50 to 99-----	3	133	136	137	273	.49	21.64	22.13	22.29	44.42	3,288	6,146,530	-	-	50	
100 to 149-----	-	10	10	35	45	-	11.73	11.73	41.07	52.80	615	852,290	-	-	5	
150 to 249-----	-	38	38	54	92	-	22.50	22.50	31.98	54.48	2,419	1,688,646	-	-	13	
250 or more-----	-	18	18	23	41	-	14.26	14.26	18.23	32.49	2,484	1,261,940	-	-	7	
Total or average---	8	473	481	577	1,058	.29	17.26	17.56	21.06	38.61	18,490	27,399,552	-	-	772	
Grand total or average-----	153	10,856	11,009	9,185	20,194	.42	29.89	30.31	25.29	55.59	215,004	363,249,993	606,006,907	1.67	4,732	

TABLE 29. - Number of injuries, frequency rates per million man-hours, employment, worktime, and production data at Pennsylvania anthracite mines in the United States, by general work location and employment size group, 1975

General work location and employment size group	Number of injuries					Frequency rates per million man-hours					Average men working daily	Man-hours worked	Production, short tons	Tons per man-hour	Number of operations	
	Fatal	Non-fatal disabling	All disabling	Non-disabling	All injuries	Fatal	Non-fatal disabling	All disabling	Non-disabling	All injuries						
Underground mines (include surface works):																
1 to 4-----	-	4	4	1	5	-	31.53	31.53	7.88	39.41	144	126,857	70,722	0.56	44	
5 to 9-----	-	1	1	-	1	-	9.54	9.54	-	9.54	87	104,794	61,448	.59	13	
10 to 19-----	-	14	14	4	18	-	78.07	78.07	22.31	100.38	103	179,319	155,745	.87	8	
20 to 34-----	-	-	-	-	-	-	-	-	-	-	21	12,400	6,955	.56	1	
35 to 49-----	-	-	-	-	-	-	-	-	-	-	40	69,349	40,733	.59	1	
50 to 99-----	-	1	1	-	1	-	41.90	41.90	-	41.90	63	23,864	500	.02	1	
100 to 149-----	-	13	13	-	13	-	49.57	49.57	-	49.57	118	262,265	180,226	.69	1	
150 to 249-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total or average--	-	33	33	5	38	-	42.37	42.37	6.42	48.79	576	778,848	516,329	.66	69	
Strip mines:																
1 to 4-----	1	4	5	5	10	10.87	43.47	54.34	54.34	108.67	82	92,021	107,039	1.16	34	
5 to 9-----	-	4	4	5	9	-	48.71	48.71	60.89	109.60	63	82,120	94,552	1.15	9	
10 to 19-----	-	24	24	58	82	-	48.29	48.29	116.69	164.97	272	497,047	534,160	1.07	19	
20 to 34-----	-	4	4	27	31	-	10.33	10.33	69.72	80.05	233	387,270	324,349	.84	9	
35 to 49-----	-	13	13	26	39	-	57.09	57.09	114.19	171.28	130	227,700	218,348	.96	3	
50 to 99-----	-	29	29	66	95	-	64.26	64.26	146.25	210.51	305	451,283	756,719	1.68	4	
100 to 149-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
150 to 249-----	-	23	23	29	52	-	80.50	80.50	101.50	182.01	165	285,706	192,604	.67	1	
250 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total or average--	1	101	102	216	318	.49	49.92	50.42	106.76	157.18	1,250	2,023,147	2,227,771	1.10	79	
Culm banks:																
1 to 4-----	-	2	2	4	6	-	18.10	18.10	36.20	54.30	91	110,495	1,701,782	15.40	39	
5 to 9-----	-	-	-	2	2	-	-	-	42.99	42.99	59	46,519	554,242	11.91	10	
10 to 19-----	-	-	-	-	-	-	-	-	-	-	10	7,568	14,885	1.97	1	
20 to 34-----	-	6	6	6	12	-	75.20	75.20	75.20	150.40	45	79,787	103,641	1.30	2	
35 to 49-----	-	1	1	-	1	-	161.00	161.00	-	161.00	45	6,211	-	-	1	
50 to 99-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100 to 149-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
150 to 249-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
250 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total or average--	-	9	9	12	21	-	35.92	35.92	47.89	83.81	250	250,580	2,374,550	9.48	53	

TABLE 29. - Number of injuries, frequency rates per million man-hours, employment, worktime, and production data at Pennsylvania anthracite mines in the United States, by general work location and employment size group, 1975 - Continued

General work location and employment size group	Number of injuries					Frequency rates per million man-hours					Average men working daily	Man-hours worked	Production, short tons	Tons per man-hour	Number of operations
	Fatal	Non-fatal disabling	All disabling	Non-disabling	All injuries	Fatal	Non-fatal disabling	All disabling	Non-disabling	All injuries					
Dredges:															
1 to 4-----	-	-	-	-	-	-	-	-	-	-	7	4,805	4,766	0.99	2
5 to 9-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10 to 19-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 to 34-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35 to 49-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50 to 99-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 to 149-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150 to 249-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total or average---	-	-	-	-	-	-	-	-	-	-	7	4,805	4,766	.99	2
Total or average, surface-----	1	110	111	228	339	0.44	48.28	48.72	100.06	148.78	1,507	2,278,532	4,607,087	2.02	134
Total or average, mining-----	1	143	144	233	377	.33	46.77	47.10	76.21	123.31	2,083	3,057,380	5,123,416	1.68	203
Independent shops and yards:															
1 to 4-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 to 9-----	-	-	-	3	3	-	-	-	130.33	130.33	13	23,018	-	-	2
10 to 19-----	-	6	6	26	32	-	81.46	81.46	353.00	434.46	40	73,655	-	-	3
20 to 34-----	-	4	4	13	17	-	65.45	65.45	212.70	278.14	30	61,120	-	-	1
35 to 49-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50 to 99-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 to 149-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150 to 249-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total or average---	-	10	10	42	52	-	63.37	63.37	266.17	329.55	83	157,793	-	-	6
Mechanical cleaning plants:															
1 to 4-----	-	-	-	2	2	-	-	-	22.28	22.28	57	89,755	-	-	21
5 to 9-----	-	8	8	3	11	-	45.96	45.96	17.23	63.19	98	174,074	-	-	15
10 to 19-----	-	5	5	15	20	-	18.11	18.11	54.34	72.45	150	276,041	-	-	11
20 to 34-----	1	34	35	72	107	2.80	95.05	97.84	201.28	299.12	195	357,719	-	-	7
35 to 49-----	-	27	27	45	72	-	79.18	79.18	131.96	211.13	230	341,015	-	-	6
50 to 99-----	-	24	24	44	68	-	48.70	48.70	89.28	137.98	262	492,817	-	-	4
100 to 149-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150 to 249-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total or average---	1	98	99	181	280	.58	56.60	57.18	104.54	161.72	992	1,731,421	-	-	64
Grand total or average-----	2	251	253	456	709	.40	50.74	51.15	92.18	143.33	3,158	4,946,594	5,123,416	1.04	273

TABLE 30. - Number of injuries and frequency rates per million tons at bituminous coal mines in the United States,
by general work location and employment size group, 1975

General work location and employment size group	Number of injuries					Frequency rates per million tons				
	Fatal	Nonfatal disabling	All disabling	Nondisabling	All injuries	Fatal	Nonfatal disabling	All disabling	Nondisabling	All injuries
Underground mines (includes surface works):										
1 to 4-----	2	3	5	2	7	8.37	12.56	20.93	8.37	29.30
5 to 9-----	4	40	44	16	60	1.28	12.80	14.08	5.12	19.20
10 to 19-----	8	199	207	127	334	.71	17.60	18.31	11.23	29.55
20 to 34-----	11	449	460	275	735	.81	32.97	33.78	20.19	53.97
35 to 49-----	3	370	373	280	653	.32	39.09	39.41	29.58	69.00
50 to 99-----	14	1,083	1,097	922	2,019	.55	42.76	43.31	36.40	79.71
100 to 149-----	17	1,008	1,025	605	1,630	.71	42.29	43.01	25.38	68.39
150 to 249-----	16	1,597	1,613	1,333	2,946	.32	31.56	31.87	26.34	58.21
250 or more-----	36	3,905	3,941	3,606	7,547	.26	27.77	28.03	25.65	53.67
Total or average-----	111	8,654	8,765	7,166	15,931	.40	31.11	31.51	25.76	57.28
Strip mines:										
1 to 4-----	-	8	8	11	19	-	1.66	1.66	2.28	3.93
5 to 9-----	5	53	58	23	81	.40	4.23	4.63	1.84	6.47
10 to 19-----	6	147	153	157	310	.20	5.00	5.21	5.34	10.55
20 to 34-----	5	233	238	214	452	.15	7.03	7.18	6.45	13.63
35 to 49-----	1	214	215	181	396	.04	7.64	7.67	6.46	14.13
50 to 99-----	6	346	352	275	627	.10	5.72	5.81	4.54	10.36
100 to 149-----	1	193	194	159	353	.02	4.48	4.50	3.69	8.19
150 to 249-----	4	236	240	160	400	.06	3.56	3.62	2.42	6.04
250 or more-----	3	183	186	157	343	.07	4.12	4.19	3.53	7.72
Total or average-----	31	1,613	1,644	1,337	2,981	.10	5.01	5.10	4.15	9.25
Auger mines:										
1 to 4-----	2	13	15	7	22	.93	6.07	7.00	3.27	10.27
5 to 9-----	1	9	10	4	14	.57	5.10	5.67	2.27	7.94
10 to 19-----	-	1	1	1	2	-	4.98	4.98	4.98	9.95
20 to 34-----	-	10	10	3	13	-	33.68	33.68	10.10	43.78
35 to 49-----	-	-	-	-	-	-	-	-	-	-
50 to 99-----	-	2	2	2	4	-	47.03	47.03	47.03	94.07
100 to 149-----	-	-	-	-	-	-	-	-	-	-
150 to 249-----	-	1	1	2	3	-	-	-	-	-
250 or more-----	-	-	-	-	-	-	-	-	-	-
Total or average-----	3	36	39	19	58	.65	7.81	8.46	4.12	12.58

TABLE 30. - Number of injuries and frequency rates per million tons at bituminous coal mines in the United States,
by general work location and employment size group, 1975 - Continued

General work location and employment size group	Number of injuries					Frequency rates per million tons				
	Fatal	Nonfatal disabling	All disabling	Nondisabling	All injuries	Fatal	Nonfatal disabling	All disabling	Nondisabling	All injuries
Other surface mining:										
1 to 4-----	-	-	-	-	-	-	-	-	-	-
5 to 9-----	-	-	-	-	-	-	-	-	-	-
10 to 19-----	-	1	1	1	2	-	11.36	11.36	11.36	22.72
20 to 34-----	-	-	-	-	-	-	-	-	-	-
35 to 49-----	-	-	-	-	-	-	-	-	-	-
50 to 99-----	-	-	-	-	-	-	-	-	-	-
100 to 149-----	-	-	-	-	-	-	-	-	-	-
150 to 249-----	-	-	-	1	1	-	-	-	-	-
250 or more-----	-	-	-	-	-	-	-	-	-	-
Total or average-----	-	1	1	2	3	-	.96	.96	1.91	2.87
Total or average, surface----	34	1,650	1,684	1,358	3,042	0.10	5.03	5.14	4.14	9.28
Total or average, mining-----	145	10,304	10,449	8,524	18,973	.24	17.00	17.24	14.07	31.31
Independent shops and yards:										
1 to 4-----	-	3	3	1	4	-	-	-	-	-
5 to 9-----	-	3	3	1	4	-	-	-	-	-
10 to 19-----	-	6	6	9	15	-	-	-	-	-
20 to 34-----	-	13	13	6	19	-	-	-	-	-
35 to 49-----	-	12	12	8	20	-	-	-	-	-
50 to 99-----	-	29	29	45	74	-	-	-	-	-
100 to 149-----	-	11	11	8	19	-	-	-	-	-
150 to 249-----	-	2	2	6	8	-	-	-	-	-
250 or more-----	-	-	-	-	-	-	-	-	-	-
Total or average-----	-	79	79	84	163	-	-	-	-	-
Mechanical cleaning plants:										
1 to 4-----	1	30	31	19	50	-	-	-	-	-
5 to 9-----	2	22	24	26	50	-	-	-	-	-
10 to 19-----	1	65	66	65	131	-	-	-	-	-
20 to 34-----	-	94	94	121	215	-	-	-	-	-
35 to 49-----	1	63	64	97	161	-	-	-	-	-
50 to 99-----	3	133	136	137	273	-	-	-	-	-
100 to 149-----	-	10	10	35	45	-	-	-	-	-
150 to 249-----	-	38	38	54	92	-	-	-	-	-
250 or more-----	-	18	18	23	41	-	-	-	-	-
Total or average-----	8	473	481	577	1,058	-	-	-	-	-
Grand total or average-----	153	10,856	11,009	9,185	20,194	.25	17.91	18.17	15.16	33.32

TABLE 31. - Number of injuries and frequency rates per million tons at Pennsylvania anthracite mines in the United States, by general work location and employment size group, 1975

General work location and employment size group	Number of injuries					Frequency rates per million tons				
	Fatal	Nonfatal disabling	All disabling	Nondisabling	All injuries	Fatal	Nonfatal disabling	All disabling	Nondisabling	All injuries
Underground mines (includes surface works):										
1 to 4-----	-	4	4	1	5	-	56.56	56.56	14.14	70.70
5 to 9-----	-	1	1	-	1	-	16.27	16.27	-	16.27
10 to 19-----	-	14	14	4	18	-	89.89	89.89	25.68	115.57
20 to 34-----	-	-	-	-	-	-	-	-	-	-
35 to 49-----	-	-	-	-	-	-	-	-	-	-
50 to 99-----	-	1	1	-	1	-	2,000.00	2,000.00	-	2,000.00
100 to 149-----	-	13	13	-	13	-	72.13	72.13	-	72.13
150 to 249-----	-	-	-	-	-	-	-	-	-	-
250 or more-----	-	-	-	-	-	-	-	-	-	-
Total or average-----	-	33	33	5	38	-	63.91	63.91	9.68	73.60
Strip mines:										
1 to 4-----	1	4	5	5	10	9.34	37.37	46.71	46.71	93.42
5 to 9-----	-	4	4	5	9	-	42.30	42.30	52.88	95.19
10 to 19-----	-	24	24	58	82	-	44.93	44.93	108.58	153.51
20 to 34-----	-	4	4	27	31	-	12.33	12.33	83.24	95.58
35 to 49-----	-	13	13	26	39	-	59.54	59.54	119.08	178.61
50 to 99-----	-	29	29	66	95	-	38.32	38.32	87.22	125.54
100 to 149-----	-	-	-	-	-	-	-	-	-	-
150 to 249-----	-	23	23	29	52	-	119.42	119.42	150.57	269.98
250 or more-----	-	-	-	-	-	-	-	-	-	-
Total or average-----	1	101	102	216	318	.45	45.34	45.79	96.96	142.74
Culm banks:										
1 to 4-----	-	2	2	4	6	-	1.18	1.18	2.35	3.53
5 to 9-----	-	-	-	2	2	-	-	-	3.61	3.61
10 to 19-----	-	-	-	-	-	-	-	-	-	-
20 to 34-----	-	6	6	6	12	-	57.89	57.89	57.89	115.78
35 to 49-----	-	1	1	-	1	-	-	-	-	-
50 to 99-----	-	-	-	-	-	-	-	-	-	-
100 to 149-----	-	-	-	-	-	-	-	-	-	-
150 to 249-----	-	-	-	-	-	-	-	-	-	-
250 or more-----	-	-	-	-	-	-	-	-	-	-
Total or average-----	-	9	9	12	21	-	3.79	3.79	5.05	8.84

TABLE 31. - Number of injuries and frequency rates per million tons at Pennsylvania anthracite mines in the United States,
by general work location and employment size group, 1975 - Continued

General work location and employment size group	Number of injuries					Frequency rates per million tons				
	Fatal	Nonfatal disabling	All disabling	Nondisabling	All injuries	Fatal	Nonfatal disabling	All disabling	Nondisabling	All injuries
Dredges:										
1 to 4-----	-	-	-	-	-	-	-	-	-	-
5 to 9-----	-	-	-	-	-	-	-	-	-	-
10 to 19-----	-	-	-	-	-	-	-	-	-	-
20 to 34-----	-	-	-	-	-	-	-	-	-	-
35 to 49-----	-	-	-	-	-	-	-	-	-	-
50 to 99-----	-	-	-	-	-	-	-	-	-	-
100 to 149-----	-	-	-	-	-	-	-	-	-	-
150 to 249-----	-	-	-	-	-	-	-	-	-	-
250 or more-----	-	-	-	-	-	-	-	-	-	-
Total or average-----	-	-	-	-	-	-	-	-	-	-
Total or average, surface--	1	110	111	228	339	0.22	23.88	24.09	49.49	73.58
Total or average, mining---	1	143	144	233	377	.20	27.91	28.11	45.48	73.58
Independent shops and yards:										
1 to 4-----	-	-	-	-	-	-	-	-	-	-
5 to 9-----	-	-	-	3	3	-	-	-	-	-
10 to 19-----	-	6	6	26	32	-	-	-	-	-
20 to 34-----	-	4	4	13	17	-	-	-	-	-
35 to 49-----	-	-	-	-	-	-	-	-	-	-
50 to 99-----	-	-	-	-	-	-	-	-	-	-
100 to 149-----	-	-	-	-	-	-	-	-	-	-
150 to 249-----	-	-	-	-	-	-	-	-	-	-
250 or more-----	-	-	-	-	-	-	-	-	-	-
Total or average-----	-	10	10	42	52	-	-	-	-	-
Mechanical cleaning plants:										
1 to 4-----	-	-	-	2	2	-	-	-	-	-
5 to 9-----	-	8	8	3	11	-	-	-	-	-
10 to 19-----	-	5	5	15	20	-	-	-	-	-
20 to 34-----	1	34	35	72	107	-	-	-	-	-
35 to 49-----	-	27	27	45	72	-	-	-	-	-
50 to 99-----	-	24	24	44	68	-	-	-	-	-
100 to 149-----	-	-	-	-	-	-	-	-	-	-
150 to 249-----	-	-	-	-	-	-	-	-	-	-
250 or more-----	-	-	-	-	-	-	-	-	-	-
Total or average-----	1	98	99	181	280	-	-	-	-	-
Grand total or average-----	2	251	253	456	709	.39	48.99	49.38	89.00	138.38

TABLE 32. - Injury experience, worktime, and production data at bituminous coal mines in the United States, by production size group, 1975

General work location and production size group	Number of injuries					Frequency rates										Average men working daily	Man-hours worked	Production, short tons	Tons per man-hour	Number of mines
						Per million man-hours					Per million tons									
	Fatal	Non-fatal disabling	All disabling	Non-disabling	All injuries	Fatal	Non-fatal disabling	All disabling	Non-disabling	All injuries	Fatal	Non-fatal disabling	All disabling	Non-disabling	All injuries					
Underground mines (includes surface works):																				
Less than 25,000-----	24	893	917	1,138	2,055	0.72	26.94	27.66	34.33	61.99	4.27	159.00	163.27	202.62	365.90	30,502	33,147,897	5,616,295	0.17	655
25,000 to 49,999-----	7	269	276	164	440	1.25	48.11	49.36	29.33	78.69	.92	35.17	36.08	21.44	57.52	5,591,317	7,649,221	1,377,000	1.37	213
50,000 to 99,999-----	7	575	582	351	933	.56	45.86	46.42	28.00	74.42	.44	36.12	36.56	22.05	58.61	7,168	12,536,848	15,918,306	1.27	223
100,000 to 149,999-----	5	621	626	425	1,051	.45	55.74	56.19	38.15	94.34	.36	44.38	44.73	30.37	75.10	6,496	11,140,122	13,994,288	1.26	115
150,000 to 249,999-----	10	1,063	1,073	770	1,843	.47	50.06	50.53	36.26	86.78	.42	44.82	45.24	32.47	77.71	11,090	21,236,402	23,717,613	1.12	122
250,000 to 499,999-----	23	2,124	2,147	1,264	3,411	.50	46.46	46.96	27.65	74.61	.46	42.64	43.10	25.37	68.47	24,162	45,716,660	49,815,439	1.09	144
500,000 to 749,999-----	10	912	922	707	1,629	.33	30.12	30.45	23.35	53.80	.26	23.96	24.23	18.58	42.80	16,102	30,277,422	38,057,240	1.26	62
750,000 to 999,999-----	9	846	855	932	1,787	.34	32.00	32.34	35.25	67.59	.25	23.40	23.65	25.78	49.44	13,665	26,438,526	36,147,563	1.37	42
1,000,000 or more-----	16	1,351	1,367	1,415	2,782	.34	28.68	29.02	30.04	59.05	.18	15.49	15.67	16.22	31.90	23,505	47,109,651	87,216,851	1.85	57
Total or average-----	111	8,654	8,765	7,166	15,931	.48	37.11	37.59	30.73	68.32	.40	31.11	31.51	25.76	57.28	136,484	233,194,845	278,132,816	1.19	1,633
Strip mines:																				
Less than 25,000-----	6	104	110	184	294	.58	10.10	10.68	17.87	28.55	.85	14.74	15.59	26.08	41.67	14,599	10,296,009	7,054,815	.69	852
25,000 to 49,999-----	2	88	90	72	162	.35	15.49	15.84	12.67	28.51	.18	8.11	8.29	6.63	14.93	3,683	5,682,689	10,851,801	1.91	302
50,000 to 99,999-----	4	183	187	140	327	.38	17.42	17.80	13.33	31.13	.17	7.86	8.04	6.02	14.05	5,587	10,504,595	23,272,620	2.22	325
100,000 to 149,999-----	3	131	134	123	257	.35	15.33	15.68	14.40	30.08	.14	6.32	6.46	5.93	12.39	4,221	8,543,587	20,740,505	2.43	168
150,000 to 249,999-----	6	173	179	175	354	.64	18.46	19.10	18.67	37.76	.25	7.19	7.44	7.27	14.71	4,508	9,374,153	24,064,036	2.57	125
250,000 to 499,999-----	1	266	267	227	494	.09	22.72	22.81	19.39	42.20	.03	7.67	7.70	6.55	14.25	5,370	11,705,771	34,663,306	2.96	100
500,000 to 749,999-----	3	134	137	164	301	.42	18.55	18.96	22.70	41.67	.13	5.81	5.94	7.12	13.06	3,131	7,223,902	23,048,667	3.19	37
750,000 to 999,999-----	1	99	100	46	146	.22	22.18	22.41	10.31	32.72	.05	5.23	5.28	2.43	7.72	2,017	4,462,482	18,921,710	4.24	22
1,000,000 or more-----	5	435	440	206	646	.19	16.22	16.41	7.68	24.09	.03	2.73	2.76	1.29	4.05	11,398	26,817,926	159,598,712	5.95	64
Total or average-----	31	1,613	1,644	1,337	2,981	.33	17.05	17.38	14.13	31.51	.10	5.01	5.10	4.15	9.25	54,514	94,611,096	322,216,172	3.41	1,995
Auger mines:																				
Less than 25,000-----	3	15	18	10	28	4.53	22.63	27.15	15.08	42.23	2.09	10.45	12.54	6.97	19.51	1,369	662,966	1,435,181	2.16	169
25,000 to 49,999-----	-	6	6	5	11	-	17.42	17.42	14.52	31.94	-	4.57	4.57	3.81	8.37	217	344,360	1,313,654	3.81	36
50,000 to 99,999-----	-	7	7	3	10	-	31.15	31.15	13.35	44.50	-	6.24	6.24	2.67	8.91	106	224,695	1,122,078	4.99	18
100,000 to 149,999-----	-	7	7	1	8	-	54.65	54.65	7.81	62.46	-	19.53	19.53	2.79	22.32	62	128,077	358,369	2.80	3
150,000 to 249,999-----	-	1	1	-	1	-	10.69	10.69	-	10.69	-	2.62	2.62	-	2.62	44	93,545	381,629	4.08	2
250,000 to 499,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500,000 to 749,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
750,000 to 999,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,000,000 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total or average-----	3	36	39	19	58	2.06	24.77	26.83	13.07	39.90	.65	7.81	8.46	4.12	12.58	1,798	1,453,643	4,610,911	3.17	228
Other surface mining:																				
Less than 25,000-----	-	-	-	1	1	-	-	-	23.55	23.55	-	-	-	29.07	29.07	225	42,469	34,404	.81	4
25,000 to 49,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2,790	25,986	9.31	1
50,000 to 99,999-----	-	1	1	1	2	-	15.00	15.00	15.00	30.00	-	5.44	5.44	5.44	10.87	50	66,671	183,954	2.76	2
100,000 to 149,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	50,397	281,506	5.59	2
150,000 to 249,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250,000 to 499,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500,000 to 749,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	52,981	521,158	9.84	1
750,000 to 999,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,000,000 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total or average-----	-	1	1	2	3	-	4.64	4.64	9.29	13.93	-	.96	.96	1.91	2.87	351	215,308	1,047,008	4.86	10
Total or average, surface-----	34	1,650	1,684	1,358	3,042	.35	17.14	17.49	14.10	31.60	.10	5.03	5.14	4.14	9.28	56,663	96,280,047	327,874,091	3.41	2,233
Total or average, mining-----	145	10,304	10,449	8,524	18,973	.44	31.27	31.71	25.87	57.59	.24	17.00	17.24	14.07	31.31	193,147	329,474,892	606,006,907	1.84	3,866
Independent shops and yards:	-	79	79	84	163	-	12.39	12.39	13.18	25.57	-	-	-	-	-	3,367	6,375,549	-	-	94
Mechanical cleaning plants:	8	473	481	577	1,058	.29	17.26	17.56	21.06	38.61	-	-	-	-	-	18,490	27,399,552	-	-	772
Grand total or average-----	153	10,856	11,009	9,185	20,194	.42	29.89	30.31	25.29	55.59	.25	17.91	18.17	15.16	33.32	215,004	363,249,993	606,006,907	1.67	4,732

TABLE 33. - Injury experience, worktime, and production data at Pennsylvania anthracite mines in the United States, by production size group, 1975

General work location and production size group	Number of injuries					Frequency rates										Average men working daily	Man-hours worked	Production, short tons	Tons per man-hour	Number of mines
						Per million man-hours					Per million tons									
	Fatal	Non-fatal disabling	All disabling	Non-disabling	All injuries	Fatal	Non-fatal disabling	All disabling	Non-disabling	All injuries	Fatal	Non-fatal disabling	All disabling	Non-disabling	All injuries					
Underground mines (includes surface works):																				
Less than 25,000-----	-	16	16	3	19	-	37.11	37.11	6.96	44.07	-	82.24	82.24	15.42	97.66	403	431,100	194,543	0.45	64
25,000 to 49,999-----	-	4	4	2	6	-	30.77	30.77	15.38	46.15	-	28.26	28.26	14.13	42.38	73	129,997	141,560	1.09	4
50,000 to 99,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 to 149,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150,000 to 249,999-----	-	13	13	-	13	-	59.70	59.70	-	59.70	-	72.13	72.13	-	72.13	100	217,751	180,226	.83	1
250,000 to 499,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500,000 to 749,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
750,000 to 999,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,000,000 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total or average-----	-	33	33	5	38	-	42.37	42.37	6.42	48.79	-	63.91	63.91	9.68	73.60	576	778,848	516,329	.66	69
Strip mines:																				
Less than 25,000-----	1	17	18	36	54	1.87	31.71	33.58	67.16	100.73	2.60	44.15	46.75	93.50	140.26	413	536,060	385,013	.72	58
25,000 to 49,999-----	-	13	13	38	51	-	52.34	52.34	153.00	205.34	-	51.02	51.02	149.12	200.14	117	248,370	254,821	1.03	7
50,000 to 99,999-----	-	18	18	39	57	-	42.41	42.41	91.90	134.31	-	34.81	34.81	75.41	110.22	218	424,392	517,150	1.22	8
100,000 to 149,999-----	-	11	11	28	39	-	51.52	51.52	131.13	182.65	-	45.67	45.67	116.24	161.91	115	213,528	240,877	1.13	2
150,000 to 249,999-----	-	40	40	60	100	-	85.05	85.05	127.58	212.63	-	69.02	69.02	103.53	172.55	292	470,300	579,549	1.23	3
250,000 to 499,999-----	-	2	2	15	17	-	15.33	15.33	114.95	130.27	-	7.99	7.99	59.91	67.90	95	130,497	250,361	1.92	1
500,000 to 749,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
750,000 to 999,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,000,000 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total or average-----	1	101	102	216	318	.49	49.92	50.42	106.76	157.18	.45	45.34	45.79	96.96	142.74	1,250	2,023,147	2,227,771	1.10	79
Culm banks:																				
Less than 25,000-----	-	2	2	2	4	-	23.06	23.06	23.06	46.12	-	7.70	7.70	7.70	15.40	150	86,730	259,709	2.99	34
25,000 to 49,999-----	-	3	3	7	10	-	39.35	39.35	91.83	131.18	-	12.46	12.46	29.07	41.53	45	76,230	240,794	3.16	7
50,000 to 99,999-----	-	3	3	1	4	-	52.15	52.15	17.38	69.54	-	8.26	8.26	2.75	11.02	37	57,524	363,140	6.31	5
100,000 to 149,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5,180	233,474	45.07	2
150,000 to 249,999-----	-	1	1	2	3	-	98.69	98.69	197.37	296.06	-	2.72	2.72	5.44	8.16	6	10,133	367,428	36.26	2
250,000 to 499,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	14,783	910,005	61.56	3
500,000 to 749,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
750,000 to 999,999-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,000,000 or more-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total or average-----	-	9	9	12	21	-	35.92	35.92	47.89	83.81	-	3.79	3.79	5.05	8.84	250	250,580	2,374,550	9.48	53
Dredges:																				
Total or average, surface-----	1	110	111	228	339	.44	48.28	48.72	100.06	148.78	.22	23.88	24.09	49.49	73.58	1,507	2,278,532	4,607,087	2.02	134
Total or average, mining-----	1	143	144	233	377	.33	46.77	47.10	76.21	123.31	.20	27.91	28.11	45.48	73.58	2,083	3,057,380	5,123,416	1.68	203
Independent shops and yards:	-	10	10	42	52	-	63.37	63.37	266.17	329.55	-	-	-	-	-	83	157,793	-	-	6
Mechanical cleaning plants:	1	98	99	181	280	.58	56.60	57.18	104.54	161.72	-	-	-	-	-	992	1,731,421	-	-	64
Grand total or average-----	2	251	253	456	709	.40	50.74	51.15	92.18	143.33	.39	48.99	49.38	89.00	138.38	3,158	4,946,594	5,123,416	1.04	273

TABLE 34. - Relative standing of States according to fatal, nonfatal, all disabling, and nondisabling injury rates per million man-hours of exposure, 1975

State	Fatality rate	State	Nonfatal disabling injury rate	State	All disabling injury rate	State	Non-disabling injury rate
Arizona-----	-	Arkansas-----	6.92	Arkansas-----	6.92	Alaska-----	-
Arkansas-----	-	Texas-----	7.92	Texas-----	7.92	Iowa-----	-
Kansas-----	-	Wyoming-----	10.39	Wyoming-----	10.39	Washington-----	1.09
Montana-----	-	Indiana-----	10.45	Indiana-----	10.85	Maryland-----	4.17
North Dakota-----	-	Oklahoma-----	12.26	Oklahoma-----	12.26	Oklahoma-----	5.16
Oklahoma-----	-	Montana-----	13.41	Montana-----	13.41	Arkansas-----	6.92
Texas-----	-	Colorado-----	16.24	Colorado-----	17.67	Illinois-----	7.57
Washington-----	-	Missouri-----	17.16	Missouri-----	18.17	New Mexico-----	7.62
Wyoming-----	-	Maryland-----	18.76	Maryland-----	19.80	Missouri-----	8.08
Ohio-----	0.22	Tennessee-----	21.03	Ohio-----	21.26	Indiana-----	9.92
Alabama-----	.25	Ohio-----	21.04	New Mexico-----	21.70	Virginia-----	12.31
Pennsylvania (bituminous)--	.27	New Mexico-----	21.11	Tennessee-----	22.10	Arizona-----	12.41
Illinois-----	.29	Iowa-----	23.53	Kansas-----	25.62	Wyoming-----	13.43
West Virginia-----	.35	Pennsylvania (bituminous)--	25.44	Pennsylvania (bituminous)--	25.72	Ohio-----	15.26
Indiana-----	.40	Kansas-----	25.62	Alabama-----	25.87	North Dakota-----	15.35
Pennsylvania (anthracite)--	.40	Alabama-----	25.63	North Dakota-----	26.09	Tennessee-----	16.09
U. S. Average (bituminous)-	.42	Illinois-----	26.01	Illinois-----	26.30	Montana-----	16.39
U. S. Average (all coal)---	.42	North Dakota-----	26.09	Iowa-----	27.45	Kentucky-----	18.37
Virginia-----	.43	Kentucky-----	27.34	Kentucky-----	28.08	Colorado-----	20.53
New Mexico-----	.59	U. S. Average (bituminous)-	29.89	U. S. Average (bituminous)-	30.31	Texas-----	22.17
Kentucky-----	.73	U. S. Average (all coal)---	30.17	U. S. Average (all coal)---	30.59	U. S. Average (bituminous)-	25.29
Utah-----	.93	Virginia-----	32.46	Virginia-----	32.89	Kansas-----	25.62
Missouri-----	1.01	Arizona-----	33.49	Arizona-----	33.49	U. S. Average (all coal)---	26.18
Maryland-----	1.04	Washington-----	34.90	Washington-----	34.90	Alabama-----	26.62
Tennessee-----	1.07	Utah-----	37.38	Utah-----	38.31	Pennsylvania (bituminous)--	30.24
Colorado-----	1.43	West Virginia-----	42.34	West Virginia-----	42.69	Utah-----	34.57
Iowa-----	3.92	Pennsylvania (anthracite)--	50.74	Pennsylvania (anthracite)--	51.15	West Virginia-----	41.41
Alaska-----	6.14	Alaska-----	67.58	Alaska-----	73.72	Pennsylvania (anthracite)--	92.18

TABLE 35. - Worktime and production data at coal mines in the United States, by State and general work location, 1975

State	Number of operations								Average men working daily									
	Under-ground	Strip	Other surface mining/	Total surface	Total mining	Independent shops and yards	Mechanical cleaning plants	Grand total	Underground mines			Strip mines	Other surface mining/	Total surface	Total mining	Independent shops and yards	Mechanical cleaning plants	Grand total
									Under-ground	Surface	Total							
Alabama-----	16	118	1	119	135	-	22	157	4,663	1,160	5,823	4,146	3	4,149	9,972	-	618	10,590
Alaska-----	-	1	-	1	1	-	1	2	-	-	-	62	-	62	-	-	5	67
Arizona-----	-	2	-	2	2	-	1	3	-	-	-	349	-	349	-	-	33	382
Arkansas-----	1	12	-	12	13	-	1	14	7	-	7	195	4	199	206	-	5	211
Colorado-----	21	12	-	12	33	-	8	41	1,283	354	1,637	376	-	376	2,013	-	896	2,909
Illinois-----	22	31	-	31	53	11	34	98	8,148	1,061	9,209	3,193	-	3,193	12,402	388	988	13,778
Indiana-----	2	44	-	44	46	3	13	62	63	9	72	2,886	-	2,886	2,958	203	237	3,398
Iowa-----	2	8	-	8	10	-	2	12	43	11	54	242	-	242	296	-	6	302
Kansas-----	-	6	1	7	7	-	3	10	-	-	-	172	1	173	173	-	28	201
Kentucky-----	433	427	88	515	948	6	169	1,123	22,096	2,612	24,708	12,563	995	13,558	38,266	194	3,493	41,953
Maryland-----	2	29	3	32	34	-	3	37	50	-	50	402	14	416	466	-	16	482
Missouri-----	-	12	-	12	12	1	4	17	-	-	-	785	-	785	785	54	44	883
Montana-----	-	7	-	7	7	-	-	7	-	-	-	652	-	652	652	-	-	652
New Mexico-----	1	4	-	4	5	-	3	8	256	64	320	511	-	511	831	-	104	935
North Dakota---	-	9	-	9	9	-	1	10	-	-	-	359	-	359	359	-	3	362
Ohio-----	32	233	19	252	284	8	45	337	7,598	593	8,191	5,460	258	5,718	13,909	423	851	15,183
Oklahoma-----	-	30	-	30	30	-	10	40	-	-	-	1,002	-	1,002	1,002	-	31	1,033
Pennsylvania (bituminous)--	140	497	35	532	672	8	104	784	19,043	3,148	22,191	6,916	220	7,136	29,327	312	2,554	32,193
Tennessee-----	45	58	8	66	111	-	31	142	1,730	292	2,022	1,373	230	1,603	3,625	-	167	3,792
Texas-----	-	4	-	4	4	-	-	4	-	-	-	533	-	533	533	-	-	533
Utah-----	22	-	-	-	22	-	12	34	2,177	453	2,630	-	-	2,630	-	-	136	2,766
Virginia-----	248	191	30	221	469	24	46	539	11,801	645	12,446	2,336	187	2,523	14,969	380	972	16,321
Washington-----	-	2	-	2	2	-	1	3	-	-	-	392	-	392	392	-	29	421
West Virginia---	641	242	53	295	936	33	255	1,224	41,932	4,534	46,466	6,270	237	6,507	52,973	1,413	6,963	61,349
Wyoming-----	5	16	-	16	21	-	3	24	444	214	658	3,339	-	3,339	3,997	-	311	4,308
Total or average, bituminous--	1,633	1,995	238	2,233	3,866	94	772	4,732	121,334	15,150	136,484	54,514	2,149	56,663	193,147	3,367	18,490	215,004
Pennsylvania (anthracite)--	69	79	55	134	203	6	64	273	496	80	576	1,250	257	1,507	2,083	83	992	3,158
Grand total or average--	1,702	2,074	293	2,367	4,069	100	836	5,005	121,830	15,230	137,060	55,764	2,406	58,170	195,230	3,450	19,482	218,162

See footnote at end of table.

TABLE 35. - Worktime and production data at coal mines in the United States, by State and general work location, 1975 - Continued

State	Man-hours of work									
	Underground mines			Strip mines	Other surface mining ^{1/}	Total surface	Total mining	Independent shops and yards	Mechanical cleaning plants	Grand total
	Underground	Surface	Total							
Alabama-----	7,463,752	1,604,158	9,067,910	6,013,750	3,318	6,017,068	15,084,978	-	993,015	16,077,993
Alaska-----	-	-	-	147,714	-	147,714	-	-	15,056	162,770
Arizona-----	-	-	-	742,480	-	742,480	742,480	-	63,626	806,106
Arkansas-----	4,173	-	4,173	415,813	710	416,523	420,696	-	13,093	433,789
Colorado-----	2,341,103	443,242	2,784,345	736,719	-	736,719	3,521,064	-	667,112	4,188,176
Illinois-----	15,792,826	2,049,913	17,842,739	7,154,634	-	7,154,634	24,997,373	823,870	2,048,846	27,870,089
Indiana-----	74,974	16,348	91,322	6,483,092	-	6,483,092	6,574,414	444,230	540,703	7,559,347
Iowa-----	109,555	29,705	139,260	112,158	-	112,158	251,418	-	3,615	255,033
Kansas-----	-	-	-	336,819	425	337,244	337,244	-	53,077	390,321
Kentucky-----	36,295,211	4,219,424	40,514,635	18,594,019	785,653	19,379,672	59,894,307	371,789	5,269,337	65,535,433
Maryland-----	80,944	-	80,944	821,200	28,139	849,339	930,283	-	29,118	959,401
Missouri-----	-	-	-	1,770,495	-	1,770,495	1,770,495	122,766	87,552	1,980,813
Montana-----	-	-	-	1,341,919	-	1,341,919	1,341,919	-	-	1,341,919
New Mexico-----	447,918	116,032	563,950	976,939	-	976,939	1,540,889	-	164,546	1,705,435
North Dakota-----	-	-	-	644,009	-	644,009	-	-	7,508	651,517
Ohio-----	13,284,456	935,099	14,219,555	10,314,030	123,751	10,437,781	24,657,336	908,528	1,571,630	27,137,494
Oklahoma-----	-	-	-	1,505,633	-	1,505,633	-	-	44,701	1,550,334
Pennsylvania										
(bituminous)-----	37,433,882	5,100,661	42,534,543	14,529,602	227,209	14,756,811	57,291,354	574,680	4,465,942	62,331,976
Tennessee-----	2,274,777	176,732	2,451,509	1,903,910	57,943	1,961,853	4,413,362	-	247,317	4,660,679
Texas-----	-	-	-	1,262,715	-	1,262,715	-	-	-	1,262,715
Utah-----	3,400,892	631,950	4,032,842	-	-	-	4,032,842	-	247,752	4,280,594
Virginia-----	18,193,247	1,083,292	19,276,539	3,818,941	202,158	4,021,099	23,297,638	766,695	1,446,627	25,510,960
Washington-----	-	-	-	855,030	-	855,030	855,030	-	61,837	916,867
West Virginia-----	72,170,171	6,756,645	78,926,816	9,338,735	239,645	9,578,380	88,505,196	2,362,991	9,228,323	100,096,510
Wyoming-----	441,038	222,725	663,763	4,790,740	-	4,790,740	5,454,503	-	129,219	5,583,722
Total or average, bituminous-----	209,808,919	23,385,926	233,194,845	94,611,096	1,668,951	96,280,047	329,474,892	6,375,549	27,399,552	363,249,993
Pennsylvania (anthracite)-----	666,075	112,773	778,848	2,023,147	255,385	2,278,532	3,057,380	157,793	1,731,421	4,946,594
Grand total or average-----	210,474,994	23,498,699	233,973,693	96,634,243	1,924,336	98,558,579	332,532,272	6,533,342	29,130,973	368,196,587

See footnote at end of table.

TABLE 35. - Worktime and production data at coal mines in the United States, by State and general work location, 1975 - Continued

State	Production short tons					Tons per man-hour				
	Underground mines	Strip mines	Other surface mining ^{1/}	Total surface	Grand total	Underground mines	Strip mines	Other surface mining ^{1/}	Total surface	Grand total
Alabama-----	7,554,842	13,147,755	11,149	13,158,904	20,713,746	0.83	2.19	3.36	2.19	1.29
Alaska-----	-	772,658	-	772,658	772,658	-	5.23	-	5.23	4.75
Arizona-----	-	6,645,129	-	6,645,129	6,645,129	-	8.95	-	8.95	8.24
Arkansas-----	-	490,469	-	490,469	490,469	-	1.18	-	1.18	1.13
Colorado-----	3,428,740	4,679,472	-	4,679,472	8,108,212	1.23	6.35	-	6.35	1.94
Illinois-----	31,972,866	27,625,809	-	27,625,809	59,598,675	1.79	3.86	-	3.86	2.14
Indiana-----	182,969	24,901,762	-	24,901,762	25,084,731	2.00	3.84	-	3.84	3.32
Iowa-----	363,051	247,359	-	247,359	610,410	2.61	2.21	-	2.21	2.39
Kansas-----	-	745,427	-	745,427	745,427	-	2.21	-	2.21	1.91
Kentucky-----	58,086,525	57,037,806	2,135,092	59,172,898	117,259,423	1.43	3.07	2.72	3.05	1.79
Maryland-----	85,421	1,954,176	70,040	2,024,216	2,109,637	1.06	2.38	2.49	2.38	2.20
Missouri-----	-	5,832,004	-	5,832,004	5,832,004	-	3.29	-	3.29	2.94
Montana-----	-	22,117,240	-	22,117,240	22,117,240	-	16.48	-	16.48	16.48
New Mexico-----	763,669	8,053,858	-	8,053,858	8,817,527	1.35	8.24	-	8.24	5.17
North Dakota-----	-	8,532,012	-	8,532,012	8,532,012	-	13.25	-	13.25	13.10
Ohio-----	15,241,913	31,429,100	653,939	32,083,039	47,324,952	1.07	3.05	5.28	3.07	1.74
Oklahoma-----	-	2,806,711	-	2,806,711	2,806,711	-	1.86	-	1.86	1.81
Pennsylvania (bituminous)-----	44,566,194	36,601,822	1,255,941	37,857,763	82,423,957	1.05	2.52	5.53	2.57	1.32
Tennessee-----	2,865,119	3,286,018	97,216	3,383,234	6,248,353	1.17	1.73	1.68	1.72	1.34
Texas-----	-	11,035,231	-	11,035,231	11,035,231	-	8.74	-	8.74	8.74
Utah-----	6,935,408	-	-	6,935,408	6,935,408	1.72	-	-	-	1.62
Virginia-----	18,801,060	9,516,360	532,039	10,048,399	28,849,459	.98	2.49	2.63	2.50	1.13
Washington-----	-	3,721,723	-	3,721,723	3,721,723	-	4.35	-	4.35	4.06
West Virginia-----	86,770,968	18,949,787	902,503	19,852,290	106,623,258	1.10	2.03	3.77	2.07	1.07
Wyoming-----	514,071	22,086,484	-	22,086,484	22,600,555	.77	4.61	-	4.61	4.05
Total or average, bituminous-----	278,132,816	322,216,172	5,657,919	327,874,091	606,006,907	1.19	3.41	3.39	3.41	1.67
Pennsylvania (anthracite)-----	516,329	2,227,771	2,379,316	4,607,087	5,123,416	.66	1.10	9.32	2.02	1.04
Grand total or average-----	278,649,145	324,443,943	8,037,235	332,481,178	611,130,323	1.19	3.36	4.18	3.37	1.66

1/ Includes bituminous coal auger mines and anthracite culm banks and dredges.

TABLE 36. - Number of fatal injuries at coal mines in the United States, by State, general work location, and principal cause of injury, 1975

State	Underground mines											Total, underground mines	Strip mines						Other surface mining 1/			Total, mining	Mechanical cleaning plants					Grand total						
	Underground						Surface at underground						Strip mines						Other surface mining 1/				Mechanical cleaning plants											
	Falls of roof or back	Falls of face or rib	Pressure bumps or bursts	Haulage	Electricity	Machinery	Total, underground	Falls of face or rib	Slips or falls of persons	Haulage	Electricity		Machinery	Total, surface	Falls of face or side	Sliding or falling material or objects	Slips or falls of persons	Haulage	Explosives	Electricity	Machinery		Total, strip mines	Falls of face or side	Machinery	Total, other surface mining	Total, surface mines		Slips or falls of persons	Haulage	Explosives	Electricity	Machinery	Total, mechanical cleaning plants
Alabama-----	1	-	-	-	-	1	2	-	-	-	-	-	2	-	-	-	1	-	-	-	1	2	-	-	2	4	-	-	-	-	-	4		
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-	-	1		
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Colorado-----	3	-	2	-	-	5	5	-	-	-	-	-	5	-	-	-	1	-	-	-	1	2	-	-	1	6	-	-	-	-	-	6		
Illinois-----	-	-	-	-	2	2	6	-	-	-	-	-	6	-	-	-	-	1	-	-	-	2	-	-	2	8	-	-	-	-	-	8		
Indiana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Iowa-----	-	-	-	1	-	1	1	-	-	-	-	-	1	-	-	-	1	-	-	-	1	3	-	-	3	3	-	-	-	-	-	3		
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Kentucky-----	14	-	-	5	5	6	30	1	-	1	2	1	35	1	1	3	-	-	-	2	7	2	1	3	10	45	1	1	1	3	48			
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	1	-	-	-	-	-	1		
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	-	2	2	-	-	-	-	-	-	2		
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
New Mexico-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-		
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	-	-	-	-	1		
Ohio-----	3	-	-	-	-	4	4	-	-	-	-	-	4	-	-	-	-	-	1	-	1	-	-	1	5	-	-	-	-	-	6			
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Pennsylvania (bituminous)-----	2	-	-	5	-	3	10	-	-	-	1	1	11	-	-	1	1	-	-	4	6	-	-	6	17	-	-	-	-	-	17			
Tennessee-----	1	1	-	-	1	-	3	-	-	-	1	-	4	-	-	-	-	-	-	-	-	-	-	-	4	1	-	-	-	-	5			
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Utah-----	3	-	-	-	-	3	3	1	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	4			
Virginia-----	4	2	-	-	2	8	8	-	-	-	-	-	10	-	-	-	-	-	-	1	1	-	-	1	11	-	-	-	-	-	11			
Washington-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
West Virginia-----	12	3	-	9	-	3	27	2	-	-	-	2	29	-	-	-	-	-	-	1	3	-	-	3	32	1	-	-	-	-	35			
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total bituminous-- Pennsylvania (anthracite)-----	47	6	2	20	8	16	99	1	1	5	3	2	12	111	1	3	1	11	1	1	13	31	2	1	3	34	145	2	2	1	2	1	8	153
All coal-----	47	6	2	20	8	16	99	1	1	5	3	2	12	111	1	3	1	11	1	1	14	32	2	1	3	35	146	2	3	1	2	1	9	155

1/ Includes bituminous coal auger mines and anthracite culm banks and dredges.

TABLE 37. - Number of nonfatal disabling injuries at coal mines in the United States, by State, general work location, and principal cause of injury, 1975

State	Underground															Total, underground	
	Falls of roof or back	Falls of face or rib	Pressure bumps or bursts	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Stepping or kneeling on sharp or loose objects	Striking or bumping against objects	Haulage	Explosions of gas or dust	Explosives	Electricity	Machinery	Fires or suffocation from fires		Miscellaneous causes
Alabama-----	22	12	-	1	11	32	14	4	5	38	-	-	10	37	-	6	192
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	5	1	5	-	7	7	3	-	-	9	-	-	-	10	-	1	41
Illinois-----	72	19	-	7	47	91	22	15	5	73	-	10	22	108	-	11	502
Indiana-----	1	-	-	1	-	-	-	-	-	-	-	-	-	2	-	1	5
Iowa-----	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	3
Kansas-----	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Kentucky-----	144	38	1	18	79	300	64	14	24	242	4	12	51	223	-	23	1,237
Maryland-----	-	-	-	-	-	2	-	-	-	2	-	-	-	-	-	-	4
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico-----	2	-	-	-	2	3	-	-	-	1	-	-	-	-	-	-	8
North Dakota-----	-	8	-	5	64	95	19	10	7	69	-	3	8	76	2	6	435
Ohio-----	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania (bituminous)--	137	36	-	44	117	340	74	38	32	210	-	1	27	187	2	28	1,273
Tennessee-----	10	1	-	1	1	7	-	2	-	16	-	-	2	6	-	1	47
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utah-----	30	12	3	3	16	22	5	6	1	17	-	-	3	27	-	2	147
Virginia-----	96	24	3	25	37	161	53	7	6	121	-	2	25	104	5	8	677
Washington-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia-----	376	83	1	64	267	1,007	265	89	45	612	-	14	117	535	7	77	3,559
Wyoming-----	3	-	-	-	1	-	-	-	-	-	-	-	-	2	-	1	7
Total bituminous-----	962	234	13	169	642	2,067	519	185	126	1,411	4	42	265	1,317	16	165	8,137
Pennsylvania (anthracite)--	1	4	-	6	5	10	1	1	-	4	-	-	-	1	-	-	33
All coal-----	963	238	13	175	647	2,077	520	186	126	1,415	4	42	265	1,318	16	165	8,170

TABLE 37. - Number of nonfatal disabling injuries at coal mines in the United States, by State, general work location, and principal cause of injury, 1975 - Continued

State	Surface at underground											Total, underground mines	
	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Stepping or kneeling on sharp or loose objects	Striking or bumping against objects	Haulage	Electricity	Machinery	Fires or suffocation from fires	Miscellaneous causes		Total, surface at underground
Alabama-----	-	2	7	2	-	-	1	-	6	-	12	30	222
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	2	-	4	-	-	-	1	-	-	-	7	7	48
Illinois-----	1	5	14	4	1	1	6	1	1	-	4	38	540
Indiana-----	-	-	-	-	-	-	-	-	-	-	-	-	5
Iowa-----	-	-	-	-	-	-	-	-	-	-	-	-	3
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky-----	6	9	31	4	2	-	10	2	5	-	2	71	1,308
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-	4
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico-----	-	-	-	-	-	-	-	-	-	-	-	-	8
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio-----	-	9	11	-	1	-	2	-	2	-	1	26	461
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania (bituminous)--	-	11	9	3	1	-	18	-	6	-	1	49	1,322
Tennessee-----	1	1	-	-	-	-	-	-	2	1	-	5	52
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Utah-----	1	3	5	-	1	-	-	-	1	-	-	12	159
Virginia-----	3	6	23	6	-	1	10	3	3	-	1	56	733
Washington-----	-	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia-----	9	42	81	16	7	5	32	5	16	-	9	222	3,781
Wyoming-----	-	-	-	-	-	-	-	-	1	-	-	1	8
Total bituminous-----	23	88	185	35	13	7	80	12	43	1	30	517	8,654
Pennsylvania (anthracite)--	-	-	-	-	-	-	-	-	-	-	-	-	33
All coal-----	23	88	185	35	13	7	80	12	43	1	30	517	8,687

TABLE 37. - Number of nonfatal disabling injuries at coal mines in the United States, by State, general work location, and principal cause of injury, 1975 - Continued

State	Strip														
	Falls of face or side	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Stepping or kneeling on sharp or loose objects	Striking or bumping against objects	Haulage	Explosions of gas or dust	Explosives	Electricity	Machinery	Fires or suffocation from fires	Miscellaneous causes	Total, strip
Alabama-----	-	4	42	27	16	2	-	21	-	-	2	46	-	18	178
Alaska-----	1	1	1	2	1	-	-	3	-	-	-	1	-	2	11
Arizona-----	-	-	5	3	3	1	-	-	-	1	1	11	-	2	27
Arkansas-----	1	-	-	1	-	-	-	-	-	-	-	1	-	-	3
Colorado-----	-	-	3	3	1	-	-	-	-	-	-	2	-	4	13
Illinois-----	2	7	34	37	15	2	-	17	-	1	2	30	-	11	158
Indiana-----	-	2	8	19	3	1	2	2	1	-	3	14	1	3	59
Iowa-----	-	-	-	-	-	-	-	-	-	-	-	3	-	-	3
Kansas-----	-	-	1	5	-	-	-	2	-	-	-	1	-	-	9
Kentucky-----	4	8	76	85	35	1	6	31	-	3	3	74	1	30	357
Maryland-----	1	2	4	5	2	-	-	-	-	-	-	-	-	-	14
Missouri-----	-	1	6	12	2	1	-	1	-	-	-	7	-	4	34
Montana-----	-	-	7	3	2	-	-	3	-	-	-	2	-	1	18
New Mexico-----	-	2	4	3	3	-	-	1	2	-	-	8	-	2	25
North Dakota-----	-	-	7	4	-	-	-	3	-	-	-	1	-	2	17
Ohio-----	-	2	24	16	10	4	-	4	-	-	2	14	1	5	82
Oklahoma-----	-	1	1	5	3	-	-	2	-	-	1	5	-	1	19
Pennsylvania (bituminous)---	3	3	61	43	16	4	-	16	2	1	-	37	6	12	204
Tennessee-----	-	2	9	2	5	1	1	3	-	1	-	8	-	4	36
Texas-----	-	-	3	4	2	-	-	1	-	-	-	-	-	-	10
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	1	1	13	14	5	1	-	8	-	-	1	10	-	4	58
Washington-----	1	-	10	10	-	-	-	2	-	-	-	7	-	2	32
West Virginia-----	2	7	39	41	14	3	2	52	-	-	1	15	1	19	196
Wyoming-----	-	-	21	6	4	-	-	4	-	-	-	10	-	5	50
Total bituminous-----	15	43	379	350	142	21	11	176	5	7	16	307	10	131	1,613
Pennsylvania (anthracite)---	-	4	43	22	7	3	2	6	-	-	-	8	-	6	101
All coal-----	15	47	422	372	149	24	13	182	5	7	16	315	10	137	1,714

TABLE 37. - Number of nonfatal disabling injuries at coal mines in the United States, by State, general work location, and principal cause of injury, 1975 - Continued

State	Other surface mining ^{1/}										Total, surface	Total, mining
	Falls of face or side	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Stepping or kneeling on sharp or loose objects	Haulage	Machinery	Miscellaneous causes	Total, other surface mining		
Alabama-----	-	-	-	-	-	-	-	-	-	-	178	400
Alaska-----	-	-	-	-	-	-	-	-	-	-	11	11
Arizona-----	-	-	-	-	-	-	-	-	-	-	27	27
Arkansas-----	-	-	-	-	-	-	-	-	-	-	3	3
Colorado-----	-	-	-	-	-	-	-	-	-	-	13	61
Illinois-----	-	-	-	-	-	-	-	-	-	-	158	698
Indiana-----	-	-	-	-	-	-	-	-	-	-	59	64
Iowa-----	-	-	-	-	-	-	-	-	-	-	3	6
Kansas-----	-	-	-	-	-	-	-	-	-	-	9	9
Kentucky-----	1	2	7	4	-	1	-	4	-	19	376	1,684
Maryland-----	-	-	-	-	-	-	-	-	-	-	14	18
Missouri-----	-	-	-	-	-	-	-	-	-	-	34	34
Montana-----	-	-	-	-	-	-	-	-	-	-	18	18
New Mexico-----	-	-	-	-	-	-	-	-	-	-	25	33
North Dakota-----	-	-	-	-	-	-	-	-	-	-	17	17
Ohio-----	1	-	1	-	1	-	-	2	-	5	87	548
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	19	19
Pennsylvania (bituminous)---	-	-	1	-	-	-	-	1	-	2	206	1,528
Tennessee-----	-	-	-	-	-	-	-	-	1	1	37	89
Texas-----	-	-	-	-	-	-	-	-	-	-	10	10
Utah-----	-	-	-	-	-	-	-	-	-	-	-	159
Virginia-----	-	-	2	1	1	-	-	-	-	4	62	795
Washington-----	-	-	-	-	-	-	-	-	-	-	32	32
West Virginia-----	-	-	4	1	-	-	-	-	1	6	202	3,983
Wyoming-----	-	-	-	-	-	-	-	-	-	-	50	58
Total bituminous-----	2	2	15	6	2	1	-	7	2	37	1,650	10,304
Pennsylvania (anthracite)---	-	-	2	2	-	-	2	3	-	9	110	143
All coal-----	2	2	17	8	2	1	2	10	2	46	1,760	10,447

See footnote at end of table.

TABLE 37. - Number of nonfatal disabling injuries at coal mines in the United States, by State, general work location, and principal cause of injury, 1975 - Continued

State	Independent shops and yards									
	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Striking or bumping against objects	Haulage	Electricity	Machinery	Miscellaneous causes	Total, independent shops and yards
Illinois-----	-	-	2	-	-	2	-	1	-	5
Indiana-----	-	-	5	1	-	1	-	1	1	9
Kentucky-----	-	2	3	-	1	-	-	-	-	6
Ohio-----	-	-	2	-	-	1	-	3	-	6
Pennsylvania (bituminous)-----	1	1	2	-	-	1	-	-	-	5
Virginia-----	-	1	5	1	-	-	1	-	2	10
West Virginia-----	-	5	16	2	-	7	1	4	3	38
Total bituminous-----	1	9	35	4	1	12	2	9	6	79
Pennsylvania (anthracite)-----	1	2	1	-	-	2	1	2	1	10
All coal-----	2	11	36	4	1	14	3	11	7	89

TABLE 37. - Number of nonfatal disabling injuries at coal mines in the United States, by State, general work location, and principal cause of injury, 1975 - Continued

State	Mechanical cleaning plants														Grand total	
	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Stepping or kneeling on sharp or loose objects	Striking or bumping against objects	Haulage	Explosions of gas or dust	Explosives	Electricity	Machinery	Suffocation (no flame or smoldering)	Fires or suffocation from fires	Miscellaneous causes		Total, mechanical cleaning plants
Alabama-----	-	3	5	2	-	-	1	1	-	-	-	-	-	12	412	
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
Colorado-----	-	2	2	1	-	-	-	-	-	-	-	-	-	-	68	
Illinois-----	-	6	6	1	2	-	-	-	-	-	-	-	-	-	725	
Indiana-----	-	1	3	-	-	-	-	-	-	-	-	-	-	-	79	
Iowa-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
Kentucky-----	4	24	26	9	2	1	6	1	-	16	-	-	13	102	1,792	
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	
New Mexico-----	-	7	1	-	-	-	-	-	-	2	-	-	-	3	36	
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	
Ohio-----	-	4	4	1	-	1	1	-	-	4	-	-	2	17	571	
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	
Pennsylvania (bituminous)-	2	17	15	5	1	2	7	-	-	2	-	-	2	53	1,586	
Tennessee-----	-	2	2	1	-	1	-	-	-	3	-	-	-	9	98	
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
Utah-----	-	-	-	-	-	-	-	-	1	-	-	-	-	1	160	
Virginia-----	1	3	6	1	-	-	5	-	1	5	-	-	1	23	828	
Washington-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	
West Virginia-----	6	36	84	20	2	2	26	1	1	6	12	1	1	19	217	4,238
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	
Total bituminous-----	13	98	154	41	7	10	46	3	1	9	50	1	1	39	473	10,856
Pennsylvania (anthracite)-	-	28	32	9	3	2	11	-	-	1	6	-	-	6	98	251
All coal-----	13	126	186	50	10	12	57	3	1	10	56	1	1	45	571	11,107

^{1/} Includes bituminous coal auger mines and anthracite culm banks and dredges.

TABLE 38. - Number of nondisabling injuries at coal mines in the United States, by State, general work location, and principal cause of injury, 1975

State	Underground																	
	Falls of roof or back	Falls of face or rib	Pressure bumps or bursts	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Stepping or kneeling on sharp or loose objects	Striking or bumping against objects	Haulage	Explosions of gas or dust	Explosives	Electricity	Machinery	Suffocation (no flame or smoldering)	Fires or suffocation from fires	Miscellaneous causes	Total, underground
Alabama-----	15	1	-	3	6	38	18	2	2	18	-	-	1	33	-	-	5	142
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas-----	-	2	-	1	1	11	3	-	1	6	-	-	1	4	-	-	-	40
Colorado-----	10	3	-	3	3	28	18	1	2	21	-	-	5	22	-	-	10	130
Illinois-----	14	-	-	-	-	2	-	-	-	-	-	-	1	1	-	-	-	4
Indiana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iowa-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky-----	77	14	-	19	52	190	100	15	26	78	1	12	26	118	-	5	23	756
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico-----	-	-	-	-	-	-	1	-	-	1	-	-	-	1	-	-	-	3
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio-----	25	3	-	2	14	45	42	4	10	17	-	-	-	30	-	-	-	192
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania (bituminous)-	133	39	1	38	148	399	146	67	43	218	-	1	37	174	-	1	40	1,485
Tennessee-----	6	4	-	-	1	5	9	-	-	-	-	-	2	2	-	-	1	30
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utah-----	7	11	-	4	10	36	5	10	2	22	-	-	2	18	-	-	1	128
Virginia-----	18	7	-	8	17	71	25	5	3	27	-	-	10	51	-	-	5	247
Washington-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia-----	282	62	3	61	205	913	416	101	78	461	2	4	130	450	-	9	100	3,277
Wyoming-----	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total bituminous-----	589	146	4	139	457	1,738	783	205	167	869	3	17	215	904	-	15	185	6,436
Pennsylvania (anthracite)-	-	-	-	-	1	3	-	-	-	-	-	-	-	1	-	-	-	5
All coal-----	589	146	4	139	458	1,741	783	205	167	869	3	17	215	905	-	15	185	6,441

TABLE 38. - Number of nondisabling injuries at coal mines in the United States, by State, general work location, and principal cause of injury, 1975 - Continued

State	Surface at underground														Total, surface at underground	Total, underground mines
	Falls of face or rib	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Stepping or kneeling on sharp or loose objects	Striking or bumping against objects	Haulage	Explosions of gas or dust	Explosives	Electricity	Machinery	Fires or suffocation from fires	Miscellaneous causes		
Alabama-----	-	-	2	5	4	-	-	-	-	-	-	3	-	16	30	172
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	-	-	2	3	3	-	-	-	-	-	-	-	-	-	-	-
Illinois-----	1	3	2	4	11	-	-	3	-	-	-	3	-	5	14	54
Indiana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	158
Iowa-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky-----	-	1	18	42	8	5	-	8	-	-	1	5	1	10	99	855
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico-----	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6
Ohio-----	-	-	2	9	5	1	-	4	-	-	1	2	3	-	-	-
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	221
Pennsylvania (bituminous)-----	-	4	28	50	12	3	-	10	-	-	1	-	-	-	-	-
Tennessee-----	-	-	1	1	-	3	-	1	-	1	2	14	-	13	142	1,627
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	34
Utah-----	-	-	6	5	1	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	1	2	5	4	2	-	2	-	-	-	-	-	2	17	145
Washington-----	-	-	-	-	-	-	-	1	-	-	-	1	-	3	19	266
West Virginia-----	-	12	50	113	45	13	-	37	-	2	3	-	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-	-	37	345	3,622
-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
Total bituminous-----	1	21	113	238	95	25	11	66	2	5	16	49	1	87	730	7,166
Pennsylvania (anthracite)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
All coal-----	1	21	113	238	95	25	11	66	2	5	16	49	1	87	730	7,171

TABLE 38. - Number of nondisabling injuries at coal mines in the United States, by State, general work location, and principal cause of injury, 1975 - Continued

State	Strip													
	Falls of face or side	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Stepping or kneeling on sharp or loose objects	Striking or bumping against objects	Haulage	Explosives	Electricity	Machinery	Fires or suffocation from fires	Miscellaneous causes	Total, strip
Alabama-----	-	3	31	57	35	1	1	14	3	1	46	-	28	220
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	2	3	3	-	-	-	-	-	2	-	-	10
Arkansas-----	-	1	1	1	-	-	-	-	-	-	1	-	-	3
Colorado-----	-	1	2	6	1	1	-	-	-	-	5	-	3	19
Illinois-----	-	1	5	8	11	-	1	3	-	-	7	-	6	42
Indiana-----	1	2	6	20	12	2	-	1	-	-	9	-	11	64
Iowa-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kansas-----	-	-	-	4	-	1	-	2	-	-	-	-	-	9
Kentucky-----	1	1	25	52	43	3	-	26	2	-	42	2	24	221
Maryland-----	-	-	1	1	2	-	-	-	-	-	-	-	-	4
Missouri-----	-	-	2	4	1	-	1	2	-	-	4	-	2	16
Montana-----	-	1	4	4	5	1	-	-	-	-	3	1	3	22
New Mexico-----	-	-	1	1	-	-	-	-	-	-	-	-	-	3
North Dakota-----	-	-	1	3	3	-	-	-	-	-	2	-	1	10
Ohio-----	-	3	24	54	26	1	5	14	1	-	25	-	11	164
Oklahoma-----	-	-	3	1	1	-	2	-	-	-	1	-	1	8
Pennsylvania (bituminous)---	6	1	31	34	20	1	2	12	-	-	15	-	15	137
Tennessee-----	-	-	10	8	5	2	-	2	-	-	7	1	2	37
Texas-----	-	2	4	7	2	-	1	3	-	-	2	-	7	28
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	-	5	6	8	1	1	3	-	-	4	-	3	31
Washington-----	-	-	-	1	-	-	-	-	-	-	-	-	-	1
West Virginia-----	1	3	25	56	33	7	2	28	-	1	33	-	29	218
Wyoming-----	-	2	11	24	9	-	4	2	-	-	5	-	13	70
Total bituminous-----	9	21	193	355	221	21	19	112	6	2	215	4	159	1,337
Pennsylvania (anthracite)---	-	2	41	43	34	8	5	21	-	-	28	-	34	216
All coal-----	9	23	234	398	255	29	24	133	6	2	243	4	193 ^v	1,553

TABLE 38. - Number of nondisabling injuries at coal mines in the United States, by State, general work location, and principal cause of injury, 1975 - Continued

State	Other surface mining ^{1/}							Total, surface	Total, mining
	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Striking or bumping against objects	Haulage	Machinery		
Alabama-----	-	-	-	-	-	-	-	220	392
Alaska-----	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	-	-	-	-	-	10	10
Arkansas-----	-	-	-	-	-	-	-	3	3
Colorado-----	-	-	-	-	-	-	-	19	73
Illinois-----	-	-	-	-	-	-	-	42	200
Indiana-----	-	-	-	-	-	-	-	64	68
Iowa-----	-	-	-	-	-	-	-	-	-
Kansas-----	-	-	-	-	-	-	-	9	9
Kentucky-----	-	2	2	4	-	-	2	10	231
Maryland-----	-	-	-	-	-	-	-	4	4
Missouri-----	-	-	-	-	-	-	-	16	16
Montana-----	-	-	-	-	-	-	-	22	22
New Mexico-----	-	-	-	-	-	-	-	3	9
North Dakota-----	-	-	-	-	-	-	-	10	10
Ohio-----	-	-	2	-	-	-	-	2	166
Oklahoma-----	-	-	-	-	-	-	-	8	8
Pennsylvania (bituminous)-----	-	-	1	-	-	1	2	139	1,766
Tennessee-----	-	-	1	-	-	-	1	38	72
Texas-----	-	-	-	-	-	-	-	28	28
Utah-----	-	-	-	-	-	-	-	-	145
Virginia-----	1	-	1	-	-	-	2	33	299
Washington-----	-	-	-	-	-	-	-	1	1
West Virginia-----	-	1	-	1	1	1	4	222	3,844
Wyoming-----	-	-	-	-	-	-	-	70	72
Total bituminous-----	1	3	7	5	1	4	21	1,358	8,524
Pennsylvania (anthracite)-----	-	2	8	1	-	1	12	228	233
All coal-----	1	5	15	6	1	1	4	1,586	8,757

See footnote at end of table.

TABLE 38. - Number of nondisabling injuries at coal mines in the United States, by State, general work location, and principal cause of injury, 1975 - Continued

State	Independent shops and yards									
	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Stepping or kneeling on sharp or loose objects	Striking or bumping against objects	Haulage	Machinery	Miscellaneous causes	Total, independent shops and yards
Illinois-----	-	1	1	-	-	-	-	-	-	2
Indiana-----	-	-	-	-	-	-	-	-	1	1
Kentucky-----	-	3	4	-	-	-	-	-	-	7
Ohio-----	1	-	7	-	1	-	-	6	1	21
Pennsylvania (bituminous)-----	-	2	5	-	-	-	-	1	-	8
Virginia-----	-	-	-	3	-	1	-	1	1	6
West Virginia-----	1	3	13	8	1	1	2	4	6	39
Total bituminous-----	2	9	30	15	2	3	2	12	9	84
Pennsylvania (anthracite)-----	1	6	12	8	1	-	-	1	13	42
All coal-----	3	15	42	23	3	3	2	13	22	126

TABLE 38. - Number of nondisabling injuries at coal mines in the United States, by State, general work location, and principal cause of injury, 1975 - Continued

State	Mechanical cleaning plants												Grand total
	Falls of face or side	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Stepping or kneeling on sharp or loose objects	Striking or bumping against objects	Haulage	Electricity	Machinery	Miscellaneous causes	Total, mechanical cleaning plants	
Alabama-----	-	2	4	15	4	1	-	-	1	3	6	36	428
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-	10
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	-	3
Colorado-----	-	-	1	5	-	1	-	-	-	4	2	13	86
Illinois-----	-	-	1	4	2	-	-	-	-	1	1	9	211
Indiana-----	-	-	3	1	-	-	-	-	-	-	2	6	75
Iowa-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Kansas-----	-	-	1	-	-	-	-	-	-	-	-	1	10
Kentucky-----	-	4	11	36	17	5	6	7	1	8	16	111	1,204
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-	4
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	16
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-	22
New Mexico-----	-	1	-	3	-	-	-	-	-	-	-	4	13
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-	10
Ohio-----	-	-	1	3	1	-	1	-	-	-	-	6	414
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	8
Pennsylvania (bituminous)---	-	3	26	32	14	-	2	13	2	7	12	111	1,885
Tennessee-----	-	-	-	2	-	-	-	-	-	1	-	3	75
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-	28
Utah-----	-	-	-	1	1	-	-	1	-	-	-	3	148
Virginia-----	-	-	1	3	1	-	-	1	-	3	-	9	314
Washington-----	-	-	-	-	-	-	-	-	-	-	-	-	1
West Virginia-----	-	10	39	84	31	7	5	31	2	22	31	262	4,145
Wyoming-----	-	-	-	1	2	-	-	-	-	-	-	3	75
Total bituminous-----	-	20	88	190	73	14	14	53	6	49	70	577	9,185
Pennsylvania (anthracite)---	-	7	28	59	32	-	2	17	3	5	28	181	456
All coal-----	-	27	116	249	105	14	16	70	9	54	98	758	9,641

1/ Includes bituminous coal auger mines and anthracite culm banks and dredges.

TABLE 39. - Number of injuries by degree, percentage distribution, and injury-frequency rates at coal mines in the United States, by general work location and State, 1975

State	Number of injuries								Distribution of all disabling injuries, percent	Frequency rates								
	Fatal	Nonfatal			All disabling injuries	Non-disabling injuries	All injuries	Per million man-hours				Per million tons						
		Permanent		Temporary total				Total non-fatal disabling		Fatal	Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Non-disabling	
		Total	Partial															
Underground mines:																		
Underground:																		
Alabama-----	2	1	4	187	192	194	142	336	2.4	0.27	25.72	25.99	19.03	0.26	25.41	25.68	18.80	
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	5	-	2	39	41	46	40	86	.6	2.14	17.51	19.65	17.09	1.46	11.96	13.42	11.67	
Illinois-----	6	-	8	494	502	508	130	638	6.2	.38	31.79	32.17	8.23	.19	15.70	15.89	4.07	
Indiana-----	-	-	-	5	5	5	4	9	.1	-	66.69	66.69	53.35	-	27.33	27.33	21.86	
Iowa-----	1	-	-	3	3	4	-	4	(L/)	9.13	27.38	36.51	-	2.75	8.26	11.02	-	
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky-----	30	5	21	1,211	1,237	1,267	756	2,023	15.4	.83	34.08	34.91	20.83	.52	21.30	21.81	13.02	
Maryland-----	-	-	-	4	4	4	-	4	(L/)	-	49.42	49.42	-	-	46.83	46.83	-	
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico-----	-	-	-	8	8	8	3	11	.1	-	17.86	17.86	6.70	-	10.48	10.48	3.93	
North Dakota--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio-----	4	1	6	428	435	439	192	631	5.3	.30	32.75	33.05	14.45	.26	28.54	28.80	12.60	
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania																		
(bituminous)--	10	1	19	1,253	1,273	1,283	1,485	2,768	15.6	.27	34.01	34.27	39.67	.22	28.56	28.79	33.32	
Tennessee-----	3	-	1	46	47	50	30	80	.6	1.32	20.66	21.98	13.19	1.05	16.40	17.45	10.47	
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utah-----	3	-	1	146	147	150	128	278	1.8	.88	43.22	44.11	37.64	.43	21.20	21.63	18.46	
Virginia-----	8	1	7	669	677	685	247	932	8.3	.44	37.21	37.65	13.58	.43	36.01	36.43	13.14	
Washington-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia--	27	1	49	3,509	3,559	3,586	3,277	6,863	43.5	.37	49.31	49.69	45.41	.31	41.02	41.33	37.77	
Wyoming-----	-	-	-	7	7	7	2	9	.1	-	15.87	15.87	4.53	-	13.62	13.62	3.89	
Total or average, bituminous--	99	10	118	8,009	8,137	8,236	6,436	14,672	-	.47	38.78	39.25	30.68	.36	29.26	29.61	23.14	
Pennsylvania (anthracite)--	-	-	-	33	33	33	5	38	-	-	49.54	49.54	7.51	-	63.91	63.91	9.68	
Total or average, underground-	99	10	118	8,042	8,170	8,269	6,441	14,710	-	.47	38.82	39.29	30.60	.36	29.32	29.68	23.12	

See footnote at end of table.

TABLE 39. - Number of injuries by degree, percentage distribution, and injury-frequency rates at coal mines in the United States, by general work location and State, 1975 - Continued

State	Number of injuries							Distrib- ution of all disabling injuries, percent	Frequency rates								
	Fatal	Nonfatal			All dis- abling inju- ries	Non- dis- abling inju- ries	All inju- ries		Per million man-hours				Per million tons				
		Permanent		Tempo- rary total					Total non- fatal dis- abling	Fatal	Non- fatal dis- abling	All dis- abling	Non- dis- abling	Fatal	Non- fatal dis- abling	All dis- abling	Non- dis- abling
		Total	Par- tial														
Underground mines:																	
Surface:																	
Alabama-----	-	-	-	30	30	30	30	60	5.7	-	18.70	18.70	18.70	-	-	-	-
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	-	-	-	7	7	7	14	21	1.3	-	15.79	15.79	31.59	-	-	-	-
Illinois-----	-	-	-	38	38	38	28	66	7.2	-	18.54	18.54	13.66	-	-	-	-
Indiana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iowa-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky-----	5	-	1	70	71	76	99	175	14.4	1.18	16.83	18.01	23.46	-	-	-	-
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	25.85	-
North Dakota--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio-----	-	-	-	26	26	26	29	55	4.9	-	27.80	27.80	31.01	-	-	-	-
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania																	
(bituminous)--	1	-	2	47	49	50	142	192	9.5	.20	9.61	9.80	27.84	-	-	-	-
Tennessee-----	1	-	-	5	5	6	4	10	1.1	5.66	28.29	33.95	22.63	-	-	-	-
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utah-----	1	1	-	11	12	13	17	30	2.5	1.58	18.99	20.57	26.90	-	-	-	-
Virginia-----	2	-	-	56	56	58	19	77	11.0	1.85	51.69	53.54	17.54	-	-	-	-
Washington----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia--	2	-	4	218	222	224	345	569	42.3	.30	32.86	33.15	51.06	-	-	-	-
Wyoming-----	-	-	-	1	1	1	1	1	.2	-	4.49	4.49	-	-	-	-	-
Total or average, bituminous--	12	1	7	509	517	529	730	1,259	-	.51	22.11	22.62	31.22	-	-	-	-
Pennsylvania (anthracite)--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total or average, surface-----	12	1	7	509	517	529	730	1,259	-	.51	22.00	22.51	31.07	-	-	-	-

TABLE 39. - Number of injuries by degree, percentage distribution, and injury-frequency rates at coal mines in the United States, by general work location and State, 1975 - Continued

State	Number of injuries								Distribution of all disabling injuries, percent	Frequency rates									
	Fatal	Nonfatal				All disabling injuries	Non-disabling injuries	All injuries		Per million man-hours				Per million tons					
		Permanent		Temporary total	Total non-fatal disabling					Fatal	Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Non-disabling		
		Total	Partial																
Strip mines:																			
Alabama-----	2	-	4	174	178	180	220	400	10.9	0.33	29.60	29.93	36.58	0.15	13.54	13.69	16.73		
Alaska-----	1	-	-	11	11	12	-	12	.7	6.77	74.47	81.24	-	1.29	14.24	15.53	-		
Arizona-----	-	-	-	27	27	27	10	37	1.6	-	36.36	36.36	13.47	-	4.06	4.06	1.50		
Arkansas-----	-	-	-	3	3	3	3	6	.2	-	7.21	7.21	7.21	-	6.12	6.12	6.12		
Colorado-----	1	-	-	13	13	14	19	33	.9	1.36	17.65	19.00	25.79	.21	2.78	2.99	4.06		
Illinois-----	2	-	-	158	158	160	42	202	9.7	.28	22.08	22.36	5.87	.07	5.72	5.79	1.52		
Indiana-----	3	-	1	58	59	62	64	126	3.8	.46	9.10	9.56	9.87	.12	2.37	2.49	2.57		
Iowa-----	-	-	1	2	3	3	-	3	.2	-	26.75	26.75	-	-	12.13	12.13	-		
Kansas-----	-	-	-	9	9	9	9	18	.5	-	26.72	26.72	26.72	-	12.07	12.07	12.07		
Kentucky-----	7	-	12	345	357	364	221	585	22.1	.38	19.20	19.58	11.89	.12	6.26	6.38	3.87		
Maryland-----	1	-	-	14	14	15	4	19	.9	1.22	17.05	18.27	4.87	.51	7.16	7.68	2.05		
Missouri-----	2	-	-	34	34	36	16	52	2.2	1.13	19.20	20.33	9.04	.34	5.83	6.17	2.74		
Montana-----	-	-	-	18	18	18	22	40	1.1	-	13.41	13.41	16.39	-	.81	.81	.99		
New Mexico-----	1	1	2	22	25	26	3	29	1.6	1.02	25.59	26.61	3.07	.12	3.10	3.23	.37		
North Dakota-----	-	-	-	17	17	17	10	27	1.0	-	26.40	26.40	15.53	-	1.99	1.99	1.17		
Ohio-----	1	-	2	80	82	83	164	247	5.0	.10	7.95	8.05	15.90	.03	2.61	2.64	5.22		
Oklahoma-----	-	-	1	18	19	19	8	27	1.2	-	12.62	12.62	5.31	-	6.77	6.77	2.85		
Pennsylvania (bituminous)----	6	1	5	198	204	210	137	347	12.8	.41	14.04	14.45	9.43	.16	5.57	5.74	3.74		
Tennessee-----	-	-	1	35	36	36	37	73	2.2	-	18.91	18.91	19.43	-	10.96	10.96	11.26		
Texas-----	-	-	-	10	10	10	28	38	.6	-	7.92	7.92	22.17	-	.91	.91	2.54		
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Virginia-----	1	-	1	57	58	59	31	90	3.6	.26	15.19	15.45	8.12	.11	6.09	6.20	3.26		
Washington-----	-	-	-	32	32	32	1	33	1.9	-	37.43	37.43	1.17	-	8.60	8.60	.27		
West Virginia-----	3	-	5	191	196	199	218	417	12.1	.32	20.99	21.31	23.34	.16	10.34	10.50	11.50		
Wyoming-----	-	-	1	49	50	50	70	120	3.0	-	10.44	10.44	14.61	-	2.26	2.26	3.17		
Total or average, bituminous-----	31	2	36	1,575	1,613	1,644	1,337	2,981	-	.33	17.05	17.38	14.13	.10	5.01	5.10	4.15		
Pennsylvania (anthracite)-----	1	-	-	101	101	102	216	318	-	.49	49.92	50.42	106.76	.45	45.34	45.79	96.96		
Total or average strip mines----	32	2	36	1,676	1,714	1,746	1,553	3,299	-	.33	17.74	18.07	16.07	.10	5.28	5.38	4.79		

TABLE 39. - Number of injuries by degree, percentage distribution, and injury-frequency rates at coal mines in the United States, by general work location and State, 1975 - Continued

State	Number of injuries							Distribution of all disabling injuries, percent	Frequency rates								
	Fatal	Nonfatal			All disabling injuries	Non-disabling injuries	All injuries		Per million man-hours				Per million tons				
		Total	Partial	Temporary total					Total non-fatal disabling	Fatal	Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Non-disabling
Total mining:	4	1	8	391	400	404	392	796	3.9	0.27	26.52	26.78	25.99	0.19	19.31	19.50	18.92
Alabama-----	1	-	-	11	11	12	-	12	.1	6.77	74.47	81.24	-	1.29	14.24	15.53	-
Arizona-----	-	-	-	27	27	27	10	37	.3	-	36.36	36.36	13.47	-	4.06	4.06	1.50
Arkansas-----	-	-	-	3	3	3	3	6	(1/)	-	7.13	7.13	7.13	-	6.12	6.12	6.12
Colorado-----	6	-	2	59	61	67	73	140	.6	1.70	17.32	19.03	20.73	.74	7.52	8.26	9.00
Illinois-----	8	-	8	690	698	706	200	906	6.8	.32	27.92	28.24	8.00	.13	11.71	11.85	3.36
Indiana-----	3	-	1	63	64	67	68	135	.6	.46	9.73	10.19	10.34	.12	2.55	2.67	2.71
Iowa-----	1	-	1	5	6	7	-	7	.1	3.98	23.86	27.84	-	1.64	9.83	11.47	-
Kansas-----	-	-	-	9	9	9	9	18	.1	-	26.69	26.69	26.69	-	12.07	12.07	12.07
Kentucky-----	45	5	35	1,644	1,684	1,729	1,086	2,815	16.5	.75	28.12	28.87	18.13	.38	14.36	14.75	9.26
Maryland-----	1	-	-	18	18	19	4	23	.2	1.07	19.35	20.42	4.30	.47	8.53	9.01	1.90
Missouri-----	2	-	-	34	34	36	16	52	.3	1.13	19.20	20.33	9.04	.34	5.83	6.17	2.74
Montana-----	-	-	-	18	18	18	22	40	.2	-	13.41	13.41	16.39	-	.81	.81	.99
New Mexico-----	1	1	2	30	33	34	9	43	.3	.65	21.42	22.07	5.84	.11	3.74	3.86	1.02
North Dakota-----	-	-	-	17	17	17	10	27	.2	-	26.40	26.40	15.53	-	1.99	1.99	1.17
Ohio-----	5	1	8	539	548	553	387	940	5.3	.20	22.22	22.43	15.70	.11	11.58	11.69	8.18
Oklahoma-----	-	-	1	18	19	19	8	27	.2	-	12.62	12.62	5.31	-	6.77	6.77	2.85
Pennsylvania (bituminous)---	17	2	26	1,500	1,528	1,545	1,766	3,311	14.8	.30	26.67	26.97	30.82	.21	18.54	18.74	21.43
Tennessee-----	4	-	2	87	89	93	72	165	.9	.91	20.17	21.07	16.31	.64	14.24	14.88	11.52
Texas-----	-	-	-	10	10	10	28	38	.1	-	7.92	7.92	22.17	-	.91	.91	2.54
Utah-----	4	1	1	157	159	163	145	308	1.6	.99	39.43	40.42	35.95	.58	22.93	23.50	20.91
Virginia-----	11	1	8	786	795	806	299	1,105	7.7	.47	34.12	34.60	12.83	.38	27.56	27.94	10.36
Washington-----	-	-	-	32	32	32	1	33	.3	-	37.43	37.43	1.17	-	8.60	8.60	.27
West Virginia-----	32	1	58	3,924	3,983	4,015	3,844	7,859	38.4	.36	45.00	45.36	43.43	.30	37.36	37.66	36.05
Wyoming-----	-	-	1	57	58	58	72	130	.6	-	10.63	10.63	13.20	-	2.57	2.57	3.19
Total or average, bituminous-----	145	13	162	10,129	10,304	10,449	8,524	18,973	-	.44	31.27	31.71	25.87	.24	17.00	17.24	14.07
Pennsylvania (anthracite)---	1	-	-	143	143	144	233	377	-	.33	46.77	47.10	76.21	.20	27.91	28.11	45.48
Total or average, mining-----	146	13	162	10,272	10,447	10,593	8,757	19,350	-	.44	31.42	31.86	26.33	.24	17.09	17.33	14.33

See footnotes at end of table.

TABLE 39. - Number of injuries by degree, percentage distribution, and injury-frequency rates at coal mines in the United States, by general work location and State, 1975 - Continued

State	Number of injuries								Distribution of all disabling injuries, percent	Frequency rates										
	Fatal	Nonfatal			All disabling injuries	Non-disabling injuries	All injuries	Per million man-hours				Per million tons								
		Permanent		Temporary total				Total non-fatal disabling		Fatal	Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Non-disabling			
		Total	Partial																	
Independent shops and yards:																				
Illinois-----	-	-	-	5	5	5	2	7	6.3	-	6.07	6.07	2.43	-	-	-	-	-	-	-
Indiana-----	-	-	-	9	9	9	1	10	11.4	-	20.26	20.26	2.25	-	-	-	-	-	-	-
Kentucky-----	-	-	-	6	6	6	7	13	7.6	-	16.14	16.14	18.83	-	-	-	-	-	-	-
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio-----	-	-	-	6	6	6	21	27	7.6	-	6.60	6.60	23.11	-	-	-	-	-	-	-
Pennsylvania (bituminous)----	-	-	-	5	5	5	8	13	6.3	-	8.70	8.70	13.92	-	-	-	-	-	-	-
Virginia-----	-	-	-	10	10	10	6	16	12.7	-	13.04	13.04	7.83	-	-	-	-	-	-	-
West Virginia----	-	-	-	38	38	38	39	77	48.1	-	16.08	16.08	16.50	-	-	-	-	-	-	-
Total or average, bituminous-----	-	-	-	79	79	79	84	163	-	-	12.39	12.39	13.18	-	-	-	-	-	-	-
Pennsylvania (anthracite)-----	-	-	-	10	10	10	42	52	-	-	63.37	63.37	266.17	-	-	-	-	-	-	-
Total or average, independent shops and yards-----	-	-	-	89	89	89	126	215	-	-	13.62	13.62	19.29	-	-	-	-	-	-	-

TABLE 40. - Number of injuries by degree, injury-severity rates and average severity at coal mines in the United States, by general work location and State, 1975

State	Number of injuries							Severity rates						Average severity			
	Fatal	Nonfatal			All dis-abling inju-ries	Non-dis-abling inju-ries	All inju-ries	Per million man-hours			Per million tons			Perma-nent par-tial	Tempo-rary total	All dis-abling	
		Permanent	Tempo-rary total	Total non-fatal dis-abling				Fatal	Non-fatal dis-abling	All dis-abling	Fatal	Non-fatal dis-abling	All dis-abling				
																	Total
Underground mines:																	
Underground:																	
Alabama-----	2	1	4	187	192	194	142	336	1,608	2,123	3,731	1,588	2,097	3,686	194	49	144
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	5	-	2	39	41	46	40	86	12,814	1,363	14,178	8,750	931	9,681	250	69	722
Illinois-----	6	-	8	494	502	508	130	638	2,280	1,695	3,974	1,126	837	1,963	564	45	124
Indiana-----	-	-	-	5	5	5	4	9	-	5,148	5,148	-	2,110	2,110	-	77	77
Iowa-----	1	-	-	3	3	4	-	4	54,767	2,309	57,076	16,527	697	17,223	-	84	1,563
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky-----	30	5	21	1,211	1,237	1,267	756	2,023	4,959	2,488	7,447	3,099	1,554	4,653	444	42	213
Maryland-----	-	-	-	4	4	4	-	4	-	3,126	3,126	-	2,962	2,962	-	63	63
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico-----	-	-	-	8	8	8	3	11	-	634	634	-	372	372	-	36	36
North Dakota--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio-----	4	1	6	428	435	439	192	631	1,807	1,923	3,729	1,575	1,676	3,250	814	34	113
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania																	
(bituminous)--	10	1	19	1,253	1,273	1,283	1,485	2,768	1,603	2,500	4,103	1,346	2,100	3,446	771	58	120
Tennessee-----	3	-	1	46	47	50	30	80	7,913	1,336	9,248	6,282	1,060	7,343	60	65	421
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utah-----	3	-	1	146	147	150	128	278	5,293	1,532	6,824	2,595	751	3,346	50	35	155
Virginia-----	8	1	7	669	677	685	247	932	2,638	2,134	4,773	2,553	2,065	4,618	541	43	127
Washington-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia--	27	1	49	3,509	3,559	3,586	3,277	6,863	2,245	2,633	4,877	1,867	2,190	4,057	534	45	98
Wyoming-----	-	-	-	7	7	7	2	9	-	424	424	-	364	364	-	27	27
Total or average, bituminous--	99	10	118	8,009	8,137	8,236	6,436	14,672	2,831	2,353	5,184	2,136	1,775	3,911	548	46	132
Pennsylvania (anthracite)--	-	-	-	33	33	33	5	38	-	1,761	1,761	-	2,272	2,272	-	36	36
Total or average, underground-	99	10	118	8,042	8,170	8,269	6,441	14,710	2,822	2,351	5,173	2,132	1,776	3,907	548	46	132

TABLE 40. - Number of injuries by degree, injury-severity rates and average severity at coal mines in the United States, by general work location and State, 1975 - Continued

State	Number of injuries							Severity rates						Average severity			
	Fatal	Nonfatal			All dis-abling inju-ries	Non-dis-abling inju-ries	All inju-ries	Per million man-hours			Per million tons			Perman-ent par-tial	Tempo-rary total	All dis-abling	
		Permanent		Tempo-rary total				Total non-fatal dis-abling	Fatal	Non-fatal dis-abling	All dis-abling	Fatal	Non-fatal dis-abling				All dis-abling
		Total	Par-tial														
Underground mines:																	
Surface:																	
Alabama-----	-	-	-	30	30	30	30	60	-	368	368	-	-	-	20	20	
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Colorado-----	-	-	-	7	7	7	14	21	-	541	541	-	-	-	34	34	
Illinois-----	-	-	-	38	38	38	28	66	-	760	760	-	-	-	41	41	
Indiana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Iowa-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kentucky-----	5	-	1	70	71	76	99	175	7,110	603	7,713	-	-	100	35	428	
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Montana-----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	
New Mexico-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ohio-----	-	-	-	26	26	26	29	55	-	803	803	-	-	-	29	29	
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pennsylvania																	
(bituminous)--	1	-	2	47	49	50	142	192	1,176	733	1,909	-	-	312	66	195	
Tennessee-----	1	-	-	5	5	6	4	10	33,950	849	34,798	-	-	-	30	1,025	
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Utah-----	1	1	-	11	12	13	17	30	9,494	10,496	19,991	-	-	-	58	972	
Virginia-----	2	-	-	56	56	58	19	77	11,077	1,755	12,832	-	-	-	34	240	
Washington-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Virginia-----	2	-	4	218	222	224	345	569	1,776	1,783	3,559	-	-	354	49	107	
Wyoming-----	-	-	-	1	1	1	-	1	-	13	13	-	-	-	3	3	
Total or average, bituminous--	12	1	7	509	517	529	730	1,259	3,079	1,290	4,368	-	-	306	43	193	
Pennsylvania (anthracite)--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total or average, surface-----	12	1	7	509	517	529	730	1,259	3,064	1,283	4,347	-	-	306	43	193	

TABLE 40. - Number of injuries by degree, injury-severity rates and average severity at coal mines in the United States, by general work location and State, 1975 - Continued

State	Number of injuries							Severity rates						Average severity			
	Fatal	Nonfatal			All dis-abling inju-ries	Non-dis-abling inju-ries	All inju-ries	Per million man-hours			Per million tons			Perma-nent par-tial	Tempo-rary total	All dis-abling	
		Permanent		Tempo-rary total				Total non-fatal dis-abling	Fatal	Non-fatal dis-abling	All dis-abling	Fatal	Non-fatal dis-abling				All dis-abling
		Total	Par-tial														
Underground mines:																	
Deep mines:																	
Alabama-----	2	1	4	217	222	224	172	396	1,323	1,813	3,136	1,588	2,176	3,764	194	45	127
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	5	-	2	46	48	53	54	107	10,775	1,233	12,007	8,750	1,001	9,751	250	64	631
Illinois-----	6	-	8	532	540	546	158	704	2,018	1,587	3,605	1,126	886	2,012	564	45	118
Indiana-----	-	-	-	5	5	5	4	9	4,227	4,227	-	-	2,110	2,110	-	77	77
Iowa-----	1	-	-	3	3	4	-	4	43,085	1,817	44,902	16,527	697	17,223	-	84	1,563
Kansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky-----	35	5	22	1,281	1,308	1,343	855	2,198	5,183	2,291	7,475	3,615	1,598	5,213	428	42	225
Maryland-----	-	-	-	4	4	4	-	4	3,126	3,126	-	-	2,962	2,962	-	63	63
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico-----	-	-	-	8	8	8	6	14	-	504	504	-	-	372	-	36	36
North Dakota--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio-----	4	1	6	454	461	465	221	686	1,688	1,849	3,537	1,575	1,725	3,300	814	34	108
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania																	
(bituminous)--	11	1	21	1,300	1,322	1,333	1,627	2,960	1,552	2,288	3,840	1,481	2,184	3,665	727	58	123
Tennessee-----	4	-	1	51	52	56	34	90	9,790	1,300	11,090	8,377	1,113	9,489	60	61	486
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utah-----	4	1	1	157	159	163	145	308	5,951	2,936	8,888	3,461	1,707	5,168	50	37	220
Virginia-----	10	1	7	725	733	743	266	1,009	3,113	2,113	5,225	3,191	2,166	5,358	541	43	136
Washington-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia--	29	1	53	3,727	3,781	3,810	3,622	7,432	2,205	2,560	4,764	2,005	2,328	4,334	521	45	99
Wyoming-----	-	-	-	8	8	8	2	10	-	286	286	-	370	370	-	24	24
Total or average, bituminous--	111	11	125	8,518	8,654	8,765	7,166	15,931	2,856	2,246	5,102	2,395	1,883	4,278	535	46	136
Pennsylvania (anthracite)--	-	-	-	33	33	33	5	38	-	1,506	1,506	-	2,272	2,272	-	36	36
Total or average, deep mines--	111	11	125	8,551	8,687	8,798	7,171	15,969	2,846	2,244	5,090	2,390	1,884	4,274	535	46	135

TABLE 40. - Number of injuries by degree, injury-severity rates and average severity at coal mines in the United States, by general work location and State, 1975 - Continued

State	Number of injuries							Severity rates						Average severity			
	Fatal	Nonfatal			All dis-abling inju-ries	Non-dis-abling inju-ries	All inju-ries	Per million man-hours			Per million tons			Perma-nent par-tial	Tempo-rary total	All dis-abling	
		Permanent		Tempo-rary total				Fatal	Non-fatal dis-abling	All dis-abling	Fatal	Non-fatal dis-abling	All dis-abling				
		Total	Par-tial														
Strip mines:																	
Alabama-----	2	-	4	174	178	180	220	400	1,995	1,745	3,741	913	798	1,711	1,794	19	125
Alaska-----	1	-	-	11	11	12	-	12	40,619	372	40,991	7,765	71	7,837	-	5	505
Arizona-----	-	-	-	27	27	27	10	37	-	921	921	-	103	103	-	25	25
Arkansas-----	-	-	-	3	3	3	3	6	-	82	82	-	69	69	-	11	11
Colorado-----	1	-	-	13	13	14	19	33	8,144	160	8,304	1,282	25	1,307	-	9	437
Illinois-----	2	-	-	158	158	160	42	202	1,677	682	2,359	434	177	611	-	31	105
Indiana-----	3	-	1	58	59	62	64	126	2,776	541	3,317	723	141	864	900	45	347
Iowa-----	-	-	1	2	3	3	-	3	-	27,114	27,114	-	12,294	12,294	3,000	20	1,014
Kansas-----	-	-	-	9	9	9	9	18	-	175	175	-	79	79	-	7	7
Kentucky-----	7	-	12	345	357	364	221	585	2,259	838	3,097	736	273	1,010	228	37	158
Maryland-----	1	-	-	14	14	15	4	19	7,306	877	8,183	3,070	368	3,439	-	51	448
Missouri-----	2	-	-	34	34	36	16	52	6,778	416	7,193	2,058	126	2,184	-	22	354
Montana-----	-	-	-	18	18	18	22	40	-	202	202	-	12	12	-	15	15
New Mexico-----	1	1	2	22	25	26	3	29	6,142	7,562	13,704	745	917	1,662	200	45	515
North Dakota-----	-	-	-	17	17	17	10	27	-	411	411	-	31	31	-	16	16
Ohio-----	1	-	2	80	82	83	164	247	582	347	929	191	114	305	400	35	115
Oklahoma-----	-	-	1	18	19	19	8	27	-	385	385	-	207	207	100	27	31
Pennsylvania (bituminous)----	6	1	5	198	204	210	137	347	2,478	959	3,437	984	381	1,364	147	36	238
Tennessee-----	-	-	1	35	36	36	37	73	-	663	663	-	384	384	400	25	35
Texas-----	-	-	-	10	10	10	28	38	-	261	261	-	30	30	-	33	33
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	1	-	1	57	58	59	31	90	1,571	491	2,062	630	197	828	100	31	133
Washington-----	-	-	-	32	32	32	1	33	-	384	384	-	88	88	-	10	10
West Virginia-----	3	-	5	191	196	199	218	417	1,927	1,559	3,487	950	768	1,718	1,678	32	164
Wyoming-----	-	-	-	49	50	50	70	120	-	426	426	-	92	92	400	33	41
Total or average, bituminous----	31	2	36	1,575	1,613	1,644	1,337	2,981	1,966	912	2,878	577	268	845	698	31	166
Pennsylvania (anthracite)----	1	-	-	101	101	102	216	318	2,966	2,063	5,028	2,693	1,873	4,566	-	41	100
Total or average, strip mines----	32	2	36	1,676	1,714	1,746	1,553	3,299	1,987	936	2,923	592	279	871	698	32	162

TABLE 40. - Number of injuries by degree, injury-severity rates and average severity at coal mines in the United States, by general work location and State, 1975 - Continued

State	Number of injuries							Severity rates						Average severity			
	Fatal	Nonfatal			All dis-abling inju-ries	Non-dis-abling inju-ries	All inju-ries	Per million man-hours			Per million tons			Perma-nent par-tial	Tempo-rary total	All dis-abling	
		Permanent		Tempo-rary total				Total non-fatal dis-abling	Fatal	Non-fatal dis-abling	All dis-abling	Fatal	Non-fatal dis-abling				All dis-abling
		Total	Par-tial														
Other surface mining: 1/																	
Kentucky-----	3	-	1	18	19	22	10	32	22,911	956	23,867	8,431	352	8,782	60	38	852
Ohio-----	-	-	-	5	5	5	2	7	-	404	404	-	76	76	-	10	10
Pennsylvania (bituminous)----	-	-	-	2	2	2	2	4	-	22	22	-	4	4	-	2	2
Tennessee-----	-	-	-	1	1	1	1	2	-	35	35	-	21	21	-	2	2
Virginia-----	-	-	-	4	4	4	2	6	-	153	153	-	58	58	-	8	8
West Virginia----	-	-	-	6	6	6	4	10	-	108	108	-	29	29	-	4	4
Total or average, bituminous----	3	-	1	36	37	40	21	61	10,785	518	11,304	3,181	153	3,334	60	22	472
Pennsylvania (anthracite)----	-	-	-	9	9	9	12	21	-	2,197	2,197	-	236	236	-	62	62
Total or average, other surface mining-----	3	-	1	45	46	49	33	82	9,354	741	10,095	2,240	177	2,417	60	30	396

See footnote at end of table.

TABLE 40. - Number of injuries by degree, injury-severity rates and average severity at coal mines in the United States, by general work location and State, 1975 - Continued

State	Number of injuries							Severity rates						Average severity			
	Fatal	Nonfatal			All dis-abling injuries	Non-dis-abling injuries	All injuries	Per million man-hours			Per million tons			Perma-nent partial	Tempo-rary total	All dis-abling	
		Permanent	Tempo-rary total	Total non-fatal dis-abling				Fatal	Non-fatal dis-abling	All dis-abling	Fatal	Non-fatal dis-abling	All dis-abling				
																	Total
Total surface mines:																	
Alabama-----	2	-	4	174	178	180	220	400	1,994	1,745	3,739	912	798	1,710	1,794	19	125
Alaska-----	1	-	-	11	11	12	-	12	40,619	372	40,991	7,765	71	7,837	-	5	505
Arizona-----	-	-	-	27	27	27	10	37	-	921	921	-	103	103	-	25	25
Arkansas-----	-	-	-	3	3	3	3	6	-	82	82	-	69	69	-	11	11
Colorado-----	1	-	-	13	13	14	19	33	8,144	160	8,304	1,282	25	1,307	-	9	437
Illinois-----	2	-	-	158	158	160	42	202	1,677	682	2,359	434	177	611	-	31	105
Indiana-----	3	-	1	58	59	62	64	126	2,776	541	3,317	723	141	864	900	45	347
Iowa-----	-	-	1	2	3	3	-	3	-	27,114	27,114	-	12,294	12,294	3,000	20	1,014
Kansas-----	-	-	-	9	9	9	9	18	-	175	175	-	79	79	-	7	7
Kentucky-----	10	-	13	363	376	386	231	617	3,096	843	3,939	1,014	276	1,290	215	37	198
Maryland-----	1	-	-	14	14	15	4	19	7,064	848	7,912	2,964	356	3,320	-	51	448
Missouri-----	2	-	-	34	34	36	16	52	6,778	416	7,193	2,058	126	2,184	-	22	354
Montana-----	-	-	-	18	18	18	22	40	-	202	202	-	12	12	-	15	15
New Mexico-----	1	1	2	22	25	26	3	29	6,142	7,562	13,704	745	917	1,662	200	45	515
North Dakota-----	-	-	-	17	17	17	10	27	-	411	411	-	31	31	-	16	16
Ohio-----	1	-	2	85	87	88	166	254	575	348	923	187	113	300	400	33	109
Oklahoma-----	-	-	1	18	19	19	8	27	-	385	385	-	207	207	100	27	31
Pennsylvania (bituminous)---	6	1	5	200	206	212	139	351	2,440	945	3,384	951	368	1,319	147	36	236
Tennessee-----	-	-	1	36	37	37	38	75	-	644	644	-	374	374	400	24	34
Texas-----	-	-	-	10	10	10	28	38	-	261	261	-	30	30	-	33	33
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	1	-	1	61	62	63	33	96	1,492	474	1,966	597	190	787	100	30	126
Washington-----	-	-	-	32	32	32	1	33	-	384	384	-	88	88	-	10	10
West Virginia-----	3	-	5	197	202	205	222	427	1,879	1,523	3,402	907	735	1,641	1,678	31	159
Wyoming-----	-	-	1	49	50	50	70	120	-	426	426	-	92	92	400	33	41
Total or average, bituminous---	34	2	37	1,611	1,650	1,684	1,358	3,042	2,119	906	3,024	622	266	888	681	31	173
Pennsylvania (anthracite)---	1	-	-	110	110	111	228	339	2,633	2,078	4,711	1,302	1,028	2,330	-	43	97
Total or average, surface mining-----	35	2	37	1,721	1,760	1,795	1,586	3,381	2,131	933	3,063	632	276	908	681	32	168

TABLE 40. - Number of injuries by degree, injury-severity rates and average severity at coal mines in the United States, by general work location and State, 1975 - Continued

State	Number of injuries							Severity rates						Average severity			
	Fatal	Nonfatal			All dis-abling inju-ries	Non-dis-abling inju-ries	All inju-ries	Per million man-hours			Per million tons			Perma-nent par-tial	Tempo-rary total	All dis-abling	
		Permanent	Tempo-rary total	Total non-fatal dis-abling				Fatal	Non-fatal dis-abling	All dis-abling	Fatal	Non-fatal dis-abling	All dis-abling				
																	Total
Total mining:	4	1	8	391	400	404	392	796	1,591	1,785	3,376	1,159	1,300	2,459	994	33	126
Alabama-----	1	-	-	11	11	12	-	12	40,619	372	40,991	7,765	71	7,837	-	5	505
Alaska-----	-	-	-	27	27	27	10	37	-	921	921	-	103	103	-	25	25
Arizona-----	-	-	-	3	3	3	3	6	-	81	81	-	69	69	-	11	11
Arkansas-----	6	-	2	59	61	67	73	140	10,224	1,008	11,232	4,440	438	4,878	250	52	590
Colorado-----	8	-	8	690	698	706	200	906	1,920	1,328	3,248	805	557	1,362	564	42	115
Illinois-----	3	-	1	63	64	67	68	135	2,738	592	3,330	718	155	873	900	47	327
Indiana-----	1	-	1	5	6	7	-	7	23,865	13,102	36,966	9,829	5,396	15,226	3,000	59	1,328
Iowa-----	-	-	-	9	9	9	9	18	-	175	175	-	79	79	-	7	7
Kansas-----	45	5	35	1,644	1,684	1,729	1,086	2,815	4,508	1,823	6,331	2,303	931	3,234	349	41	219
Kentucky-----	1	-	-	18	18	19	4	23	6,450	1,046	7,496	2,844	461	3,305	-	54	367
Maryland-----	2	-	-	34	34	36	16	52	6,778	416	7,193	2,058	126	2,184	-	22	354
Missouri-----	-	-	-	18	18	18	22	40	-	202	202	-	12	12	-	15	15
Montana-----	1	1	2	30	33	34	9	43	3,894	4,979	8,873	680	870	1,551	200	42	402
New Mexico-----	-	-	-	17	17	17	10	27	-	411	411	-	31	31	-	16	16
North Dakota-----	5	1	8	539	548	553	387	940	1,217	1,214	2,430	634	632	1,266	711	34	108
Ohio-----	-	-	1	18	19	19	8	27	-	385	385	-	207	207	100	27	31
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania	17	2	26	1,500	1,528	1,545	1,766	3,311	1,780	1,942	3,722	1,238	1,350	2,587	616	56	138
(bituminous)----	4	-	2	87	89	93	72	165	5,438	1,009	6,447	3,841	713	4,554	230	46	306
Tennessee-----	-	-	-	10	10	10	28	38	-	261	261	-	30	30	-	33	33
Texas-----	4	1	1	157	159	163	145	308	5,951	2,936	8,888	3,461	1,707	5,168	50	37	220
Utah-----	11	1	8	786	795	806	299	1,105	2,833	1,830	4,663	2,288	1,478	3,766	486	42	135
Virginia-----	-	-	-	32	32	32	1	33	-	384	384	-	88	88	-	10	10
Washington-----	32	1	58	3,924	3,983	4,015	3,844	7,859	2,169	2,448	4,617	1,801	2,032	3,832	620	45	102
West Virginia-----	-	-	1	57	58	58	72	130	-	409	409	-	99	99	400	32	38
Wyoming-----																	
Total or average, bituminous-----	145	13	162	10,129	10,304	10,449	8,524	18,973	2,641	1,854	4,495	1,436	1,008	2,444	568	44	142
Pennsylvania (anthracite)----	1	-	-	143	143	144	233	377	1,962	1,932	3,895	1,171	1,153	2,324	-	41	83
Total or average, mining-----	146	13	162	10,272	10,447	10,593	8,757	19,350	2,634	1,855	4,489	1,433	1,009	2,443	568	44	141

TABLE 40. - Number of injuries by degree, injury-severity rates and average severity at coal mines
in the United States, by general work location and State, 1975 - Continued

State	Number of injuries							Severity rates						Average severity			
	Fatal	Nonfatal			All dis-abling inju-ries	Non-dis-abling inju-ries	All inju-ries	Per million man-hours			Per million tons			Perma-nent par-tial	Tempo-rary total	All dis-abling	
		Permanent		Tempo-rary total				Total non-fatal dis-abling	Fatal	Non-fatal dis-abling	All dis-abling	Fatal	Non-fatal dis-abling				All dis-abling
		Total	Par-tial														
Independent shops and yards:																	
Illinois-----	-	-	-	5	5	5	2	7	-	161	161	-	-	-	-	27	27
Indiana-----	-	-	-	9	9	9	1	10	-	655	655	-	-	-	-	32	32
Kentucky-----	-	-	-	6	6	6	7	13	-	358	358	-	-	-	-	22	22
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio-----	-	-	-	6	6	6	21	27	-	343	343	-	-	-	-	52	52
Pennsylvania (bituminous)----	-	-	-	5	5	5	8	13	-	748	748	-	-	-	-	86	86
Virginia-----	-	-	-	10	10	10	6	16	-	648	648	-	-	-	-	50	50
West Virginia----	-	-	-	38	38	38	39	77	-	1,191	1,191	-	-	-	-	74	74
Total or average, bituminous----	-	-	-	79	79	79	84	163	-	723	723	-	-	-	-	58	58
Pennsylvania (anthracite)----	-	-	-	10	10	10	42	52	-	2,193	2,193	-	-	-	-	35	35
Total or average, independent shops and yards-----	-	-	-	89	89	89	126	215	-	759	759	-	-	-	-	56	56

TABLE 40. - Number of injuries by degree, injury-severity rates and average severity at coal mines in the United States, by general work location and State, 1975 - Continued

State	Number of injuries							Severity rates						Average severity				
	Fatal	Nonfatal			All dis-abling inju-ries	Non-dis-abling inju-ries	All inju-ries	Per million man-hours			Per million tons			Perma-nent par-tial	Tempo-rary total	All dis-abling		
		Permanent	Tempo-rary total	Total non-fatal dis-abling				Fatal	Non-fatal dis-abling	All dis-abling	Fatal	Non-fatal dis-abling	All dis-abling					
																	Total	Par-tial
Mechanical cleaning plants:																		
Alabama-----	-	-	-	12	12	36	48	-	288	288	-	-	-	-	24	24	-	
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arizona-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Colorado-----	-	-	7	7	7	13	20	-	61	61	-	-	-	-	6	6	-	
Illinois-----	-	-	22	22	22	9	31	-	642	642	-	-	-	-	60	60	-	
Indiana-----	-	-	6	6	6	6	12	-	246	246	-	-	-	-	22	22	-	
Iowa-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kansas-----	-	-	1	1	1	1	2	-	226	226	-	-	-	-	12	12	-	
Kentucky-----	3	1	2	99	102	111	216	3,416	1,876	5,292	-	-	258	34	266	-	-	
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
New Mexico-----	-	-	3	3	3	4	7	-	687	687	-	-	-	-	38	38	-	
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ohio-----	1	-	17	17	18	6	24	3,818	480	4,297	-	-	-	44	375	-	-	
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pennsylvania (bituminous)-----	-	-	1	52	53	111	164	-	541	541	-	-	235	42	46	-	-	
Tennessee-----	1	1	-	8	9	10	3	13	24,260	25,045	49,305	-	-	24	1,219	-	-	
Texas-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Utah-----	-	-	1	1	1	3	4	-	109	109	-	-	-	27	27	-	-	
Virginia-----	-	-	1	22	23	9	32	-	848	848	-	-	100	51	53	-	-	
Washington-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Virginia-----	3	-	1	216	217	220	262	1,951	867	2,818	-	-	300	36	118	-	-	
Wyoming-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-	
Total or average, bituminous-----	8	2	5	466	473	481	577	1,058	1,752	1,110	2,862	-	-	230	37	163	-	-
Pennsylvania (anthracite)-----	1	-	1	97	98	99	181	280	3,465	1,479	4,944	-	-	75	26	86	-	-
Total or average, mechanical cleaning plants-----	9	2	6	563	571	580	758	1,338	1,854	1,132	2,986	-	-	204	35	150	-	-

TABLE 40. - Number of injuries by degree, injury-severity rates and average severity at coal mines in the United States, by general work location and State, 1975 - Continued

State	Number of injuries							Severity rates						Average severity			
	Fatal	Nonfatal				All dis-abling inju-ries	Non-dis-abling inju-ries	All inju-ries	Per million man-hours			Per million tons			Perma-nent par-tial	Tempo-rary total	All dis-abling
		Total	Par-tial	Tempo-rary total	Total non-fatal dis-abling				Fatal	Non-fatal dis-abling	All dis-abling	Fatal	Non-fatal dis-abling	All dis-abling			
Grand total:	4	1	8	403	412	416	428	844	1,493	1,693	3,186	1,159	1,314	2,473	994	33	123
Alabama-----	1	-	-	11	11	12	-	12	36,862	338	37,200	7,765	71	7,837	-	5	505
Alaska-----	-	-	-	27	27	27	10	37	-	849	849	-	103	103	-	25	25
Arizona-----	-	-	-	3	3	3	3	6	-	78	78	-	69	69	-	11	11
Arkansas-----	6	-	2	66	68	74	86	160	8,596	857	9,453	4,440	443	4,883	250	47	535
Colorado-----	8	-	8	717	725	733	211	944	1,722	1,243	2,966	805	581	1,387	564	42	113
Illinois-----	3	-	1	78	79	82	75	157	2,381	571	2,952	718	172	890	900	44	272
Indiana-----	1	-	1	5	6	7	-	7	23,526	12,916	36,442	9,829	5,396	15,226	3,000	59	1,328
Iowa-----	-	-	-	10	10	10	10	20	-	182	182	-	95	95	-	7	7
Kansas-----	48	6	37	1,749	1,792	1,840	1,204	3,044	4,395	1,819	6,213	2,456	1,016	3,473	344	40	221
Kentucky-----	1	-	-	18	18	19	4	23	6,254	1,014	7,268	2,844	461	3,305	-	54	367
Maryland-----	2	-	-	34	34	36	16	52	6,058	372	6,430	2,058	126	2,184	-	22	354
Missouri-----	-	-	-	18	18	18	22	40	-	202	202	-	12	12	-	15	15
Montana-----	1	1	2	33	36	37	13	50	3,518	4,565	8,083	680	883	1,563	200	42	373
New Mexico-----	-	-	-	17	17	17	10	27	-	407	407	-	31	31	-	16	16
North Dakota-----	6	1	8	562	571	577	414	991	1,327	1,142	2,468	761	655	1,415	711	34	116
Ohio-----	-	-	1	18	19	19	8	27	-	374	374	-	207	207	100	27	31
Oklahoma-----	17	2	27	1,557	1,586	1,603	1,885	3,488	1,636	1,831	3,467	1,238	1,384	2,622	602	55	135
Pennsylvania (bituminous)-----	5	1	2	95	98	103	75	178	6,437	2,284	8,721	4,801	1,704	6,505	230	44	395
Tennessee-----	-	-	-	10	10	10	28	38	-	261	261	-	30	30	-	33	33
Texas-----	4	1	1	158	160	164	148	312	5,607	2,773	8,379	3,461	1,711	5,172	50	37	219
Utah-----	11	1	9	818	828	839	314	1,153	2,587	1,739	4,326	2,288	1,538	3,825	443	42	132
Virginia-----	-	-	-	32	32	32	1	33	-	358	358	-	88	88	-	10	10
Washington-----	35	1	59	4,178	4,238	4,273	4,145	8,418	2,098	2,272	4,370	1,970	2,133	4,103	615	44	102
West Virginia-----	-	-	-	57	58	58	75	133	-	399	399	-	99	99	400	32	38
Wyoming-----																	
Total or average, bituminous-----	153	15	167	10,674	10,856	11,009	9,185	20,194	2,527	1,778	4,306	1,515	1,066	2,581	558	43	142
Pennsylvania (anthracite)-----	2	-	1	250	251	253	456	709	2,426	1,782	4,208	2,342	1,720	4,063	75	35	82
Total or average-----	155	15	168	10,924	11,107	11,262	9,641	20,903	2,526	1,778	4,304	1,522	1,071	2,593	555	43	141

1/ Includes bituminous coal auger mines and anthracite culm banks and dredges.

TABLE 41. - Single accidents in which five or more fatalities occurred at coal mines in the United States, 1966-75

Date	Mine	Location of mine	Cause	Number killed
1966: June 1-----	Dora No. 2-----	Dora, Pa.-----	Suffocation-----	5
July 23-----	Siltex-----	Mt. Hope, W. Va.-----	Explosion-----	7
1967: No occurrence				-
1968: Aug. 7-----	River Queen No. 1-----	Greenville, Ky.-----	Explosion-----	9
Nov. 20-----	Consol. No. 9-----	Farmington, W. Va.-----	do-----	78
1969: No occurrence				-
1970: Dec. 30-----	Nos. 15 and 16-----	Hyden, Ky.-----	Explosion-----	38
1971: No occurrence				-
1972: July 22-----	Blacksville No. 1-----	Blacksville, W. Va.-----	Mine fire-----	9
Dec. 16-----	Itmann No. 3-----	Itmann, W. Va.-----	Explosion-----	5
1973: No occurrence				-
1974: No occurrence				-
1975: No occurrence				-

TABLE 42. - Injury experience and worktime data on officeworkers at coal mines in the United States, by State, 1975

State	Injuries				Frequency rates per million man-hours				Severity rates per million man-hours			Average men working daily	Man-hours worked
	Fatal	Nonfatal disabling	All disabling	Non-disabling	Fatal	Nonfatal disabling	All disabling	Non-disabling	Fatal	Nonfatal disabling	All disabling		
Alabama -----	-	-	-	2	-	-	-	3.46	-	-	-	288	577,925
Alaska -----	-	1	1	-	-	93.64	93.64	-	-	94	94	8	10,679
Arizona -----	-	-	-	-	-	-	-	-	-	-	-	6	14,890
Arkansas -----	-	-	-	-	-	-	-	-	-	-	-	7	12,050
Colorado -----	-	2	2	-	-	8.08	8.08	-	-	20	20	288	247,527
Illinois -----	-	-	-	1	-	-	-	1.13	-	-	-	418	883,926
Indiana -----	-	-	-	-	-	-	-	-	-	-	-	102	208,406
Iowa -----	-	-	-	-	-	-	-	-	-	-	-	8	8,935
Kansas -----	-	-	-	-	-	-	-	-	-	-	-	5	8,415
Kentucky -----	-	2	2	-	-	1.08	1.08	-	-	26	26	965	1,845,663
Maryland -----	-	-	-	-	-	-	-	-	-	-	-	12	19,925
Missouri -----	-	1	1	-	-	7.62	7.62	-	-	572	572	57	131,199
Montana -----	-	-	-	-	-	-	-	-	-	-	-	79	189,217
New Mexico -----	-	-	-	-	-	-	-	-	-	-	-	127	261,389
North Dakota -----	-	-	-	-	-	-	-	-	-	-	-	70	151,126
Ohio -----	-	-	-	-	-	-	-	-	-	-	-	625	1,305,499
Oklahoma -----	-	-	-	-	-	-	-	-	-	-	-	22	32,334
Pennsylvania (bituminous) -----	-	-	-	2	-	-	-	1.56	-	-	-	602	1,280,190
Tennessee -----	-	-	-	-	-	-	-	-	-	-	-	74	124,228
Texas -----	-	-	-	-	-	-	-	-	-	-	-	79	185,125
Utah -----	-	-	-	-	-	-	-	-	-	-	-	88	173,077
Virginia -----	-	-	-	-	-	-	-	-	-	-	-	198	316,222
Washington -----	-	-	-	-	-	-	-	-	-	-	-	82	161,828
West Virginia -----	-	4	4	5	-	1.50	1.50	1.87	-	81	81	1,603	2,670,689
Wyoming -----	-	-	-	1	-	-	-	4.11	-	-	-	355	243,377
Total or average bituminous --	-	10	10	11	-	.90	.90	99	-	31	31	6,168	11,063,841
Pennsylvania (anthracite) -----	-	2	2	-	-	12.74	12.74	-	-	64	64	82	156,948
Total or average, all mines --	-	12	12	11	-	1.07	1.07	.98	-	32	32	6,250	11,220,789

TABLE 43. - Injuries, distribution, average severity by degree, and injury rates for officeworkers at bituminous coal mines in the United States, by part of body injured and nature of injury, 1975

Part of body injured	Number of injuries								Distribution of all disabling injuries, percent	Frequency rates per million man-hours				Severity rates per million man-hours			Average severity		
	Fatal	Nonfatal disabling			All disabling injuries	Non-disabling injuries	All injuries	Fatal		Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Permanent partial	Temporary total	All disabling	
		Permanent		Temporary total															All non-fatal disabling
		Total	Partial																
Head, face, neck (excl. eye)-----	-	-	-	2	2	2	1	3	20.0	-	0.18	0.18	0.09	-	2	2	-	12	12
Eye-----	-	-	-	-	-	-	3	3	-	-	-	.27	-	-	-	-	-	-	-
Trunk-----	-	-	-	3	3	3	1	4	30.0	-	.27	.27	.09	-	20	20	-	75	75
Arm (above wrist)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wrist, hand, fingers-----	-	-	-	1	1	1	4	5	10.0	-	.09	.09	.36	-	(1/)	(1/)	-	1	1
Leg (above ankle)-----	-	-	-	1	1	1	-	1	10.0	-	.09	.09	-	-	7	7	-	75	75
Ankle, foot, toes-----	-	-	-	2	2	2	2	4	20.0	-	.18	.18	.18	-	(1/)	(1/)	-	2	2
Multiple-----	-	-	-	1	1	1	-	1	10.0	-	.09	.09	-	-	1	1	-	16	16
Unclassified (no data)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total or average, office-----	-	-	-	10	10	10	11	21	-	-	.90	.90	.99	-	31	31	-	35	35
Nature of injury																			
Burn, scald (except chemical)-----	-	-	-	1	1	1	-	1	10.0	-	.09	.09	-	-	(1/)	(1/)	-	1	1
Crushing, contusion-----	-	-	-	-	-	-	2	2	-	-	-	-	.18	-	-	-	-	-	-
Cut, laceration-----	-	-	-	1	1	1	4	5	10.0	-	.09	.09	.36	-	(1/)	(1/)	-	1	1
Fracture-----	-	-	-	1	1	1	1	2	10.0	-	.09	.09	.09	-	2	2	-	24	24
Strain, sprain-----	-	-	-	4	4	4	1	5	40.0	-	.36	.36	.09	-	7	7	-	20	20
Multiple-----	-	-	-	1	1	1	-	1	10.0	-	.09	.09	-	-	1	1	-	16	16
Other, not elsewhere classified-----	-	-	-	1	1	1	2	3	10.0	-	.09	.09	.18	-	2	2	-	24	24
Unclassified (no data)-----	-	-	-	1	1	1	1	2	10.0	-	.09	.09	.09	-	18	18	-	199	199
Total or average, office-----	-	-	-	10	10	10	11	21	-	-	.90	.90	.99	-	31	31	-	35	35

1/ Less than 0.5.

TABLE 44. - Injuries, distribution, average severity by degree, and injury rates for officeworkers at Pennsylvania anthracite mines in the United States, by part of body injured and nature of injury, 1975

Part of body injured	Number of injuries								Distribution of all disabling injuries, percent	Frequency rates per million man-hours				Severity rates per million man-hours			Average severity		
	Fatal	Nonfatal disabling			All disabling injuries	Non-disabling injuries	All injuries	Fatal		Non-fatal disabling	All disabling	Non-disabling	Fatal	Non-fatal disabling	All disabling	Permanent partial	Temporary total	All disabling	
		Permanent		Temporary total															All non-fatal disabling
		Total	Partial																
Head, face, neck (excl. eye)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Eye-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Trunk-----	-	-	-	1	1	1	-	1	50.0	-	6.37	6.37	-	-	45	45	7		
Arm (above wrist)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Wrist, hand, fingers-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Leg (above ankle)-----	-	-	-	1	1	1	-	1	50.0	-	6.37	6.37	-	-	19	19	3		
Ankle, foot, toes-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Multiple-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Unclassified (no data)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total or average, office-----	-	-	-	2	2	2	-	2	-	-	12.74	12.74	-	-	64	64	5		
Nature of injury																			
Crushing, contusion-----	-	-	-	1	1	1	-	1	50.0	-	6.37	6.37	-	-	45	45	7		
Strain, sprain-----	-	-	-	1	1	1	-	1	50.0	-	6.37	6.37	-	-	19	19	3		
Total or average, office-----	-	-	-	2	2	2	-	2	-	-	12.74	12.74	-	-	64	64	5		

TABLE 45. - Injuries by principal cause for officeworkers at coal mines in the United States, by State, 1975

State	Nonfatal disabling										Nondisabling										Grand total		
	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Stepping or kneeling on sharp or loose objects	Haulage	Electricity	Machinery	Fires or suffocation from fires	Miscellaneous causes	Total	Sliding or falling material or objects	Slips or falls of persons	Handling material	Handtools	Stepping or kneeling on sharp or loose objects	Haulage	Electricity	Machinery	Miscellaneous causes		Total	
Alabama-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
Alaska-----	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Colorado-----	-	2	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2
Illinois-----	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Kentucky-----	-	-	1	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2
Missouri-----	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Pennsylvania (bituminous)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
West Virginia-----	-	1	1	-	-	-	-	1	1	4	-	1	1	1	1	-	-	-	1	1	-	5	9
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1
Total bituminous-----	-	4	2	1	-	-	1	-	1	10	1	1	3	2	1	1	-	-	1	1	-	11	21
Pennsylvania (anthracite)-----	-	2	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2
Total-----	-	6	2	1	-	-	1	-	1	12	1	1	3	2	1	1	-	-	1	1	-	11	23

TABLE 46. - Number and average severity of injuries by degree for officeworkers at bituminous coal mines in the United States, by principal cause of injury, 1975

Officeworkers only, principal cause of injury	Injuries								Average severity		
	Fatal	Nonfatal disabling				All disabling	Non- disabling	All injuries	Permanent partial	Temporary total	All disabling
		Permanent		Temporary total	All nonfatal disabling						
		Total	Partial								
Sliding or falling material or objects-----	-	-	-	-	-	1	1	-	-	-	
Slips or falls of persons-----	-	-	-	4	4	1	5	-	70	70	
Handling material-----	-	-	-	2	2	2	3	-	12	12	
Handtools-----	-	-	-	1	1	1	2	-	1	1	
Stepping or kneeling on sharp or loose objects--	-	-	-	-	-	-	1	-	-	-	
Haulage-----	-	-	-	-	-	-	1	-	-	-	
Electricity-----	-	-	-	1	1	1	1	-	24	24	
Machinery-----	-	-	-	-	-	-	1	-	-	-	
Fires or suffocation from fires-----	-	-	-	1	1	1	-	-	1	1	
Miscellaneous causes-----	-	-	-	1	1	1	1	-	1	1	
Total or average-----	-	-	-	10	10	10	11	21	-	35	35

TABLE 47. - Number and average severity of injuries by degree for officeworkers at Pennsylvania anthracite mines in the United States, by principal cause of injury, 1975

Officeworkers only, principal cause of injury	Injuries								Average severity		
	Fatal	Nonfatal disabling			All disabling	Non- disabling	All injuries	Permanent partial	Temporary total	All disabling	
		Permanent		Temporary total							All nonfatal disabling
		Total	Partial								
Sliding or falling material or objects-----	-	-	-	-	-	-	-	-	-	-	
Slips or falls of persons-----	-	-	-	2	2	2	-	2	-	5	
Handling material-----	-	-	-	-	-	-	-	-	-	-	
Handtools-----	-	-	-	-	-	-	-	-	-	-	
Stepping or kneeling on sharp or loose objects--	-	-	-	-	-	-	-	-	-	-	
Haulage-----	-	-	-	-	-	-	-	-	-	-	
Electricity-----	-	-	-	-	-	-	-	-	-	-	
Machinery-----	-	-	-	-	-	-	-	-	-	-	
Fires or suffocation from fires-----	-	-	-	-	-	-	-	-	-	-	
Miscellaneous causes-----	-	-	-	-	-	-	-	-	-	-	
Total or average-----	-	-	-	2	2	2	-	2	-	5	

TABLE 48. - Injury experience and worktime data for all work locations combined (includes officeworkers) at coal mines in the United States, by State, 1975

State	Injuries				Frequency rates per million man-hours				Severity rates per million man-hours			Average men working daily	Man-hours worked
	Fatal	Nonfatal disabling	All disabling	Non-disabling	Fatal	Nonfatal disabling	All disabling	Non-disabling	Fatal	Nonfatal disabling	All disabling		
Alabama-----	4	412	416	430	0.24	24.74	24.98	25.82	1,441	1,634	3,075	10,878	16,655,918
Alaska-----	1	12	13	-	5.77	69.18	74.95	-	34,592	323	34,915	75	173,449
Arizona-----	-	27	27	10	-	32.89	32.89	12.18	-	833	833	388	820,996
Arkansas-----	-	3	3	3	-	6.73	6.73	6.73	-	76	76	218	445,839
Colorado-----	6	70	76	86	1.35	15.78	17.13	19.39	8,116	811	8,927	3,197	4,435,703
Illinois-----	8	725	733	212	.28	25.21	25.49	7.37	1,669	1,205	2,874	14,196	28,754,015
Indiana-----	3	79	82	75	.39	10.17	10.56	9.66	2,317	556	2,873	3,500	7,767,753
Iowa-----	1	6	7	-	3.79	22.73	26.52	-	22,730	12,479	35,209	310	263,968
Kansas-----	-	10	10	10	-	25.08	25.08	25.08	-	178	178	206	398,736
Kentucky-----	48	1,794	1,842	1,204	.71	26.62	27.34	17.87	4,274	1,770	6,044	42,918	67,381,096
Maryland-----	1	18	19	4	1.02	18.38	19.40	4.08	6,127	994	7,120	494	979,326
Missouri-----	2	35	37	16	.95	16.57	17.52	7.58	5,682	384	6,066	940	2,112,012
Montana-----	-	18	18	22	-	11.76	11.76	14.37	-	177	177	731	1,531,136
New Mexico-----	1	36	37	13	.51	18.30	18.81	6.61	3,051	3,958	7,009	1,062	1,966,824
North Dakota-----	-	17	17	10	-	21.18	21.18	12.46	-	330	330	432	802,643
Ohio-----	6	571	577	414	.21	20.08	20.29	14.56	1,266	1,089	2,355	15,808	28,442,993
Oklahoma-----	-	19	19	8	-	12.01	12.01	5.05	-	366	366	1,055	1,582,668
Pennsylvania (bituminous)-----	17	1,586	1,603	1,887	.27	24.93	25.20	29.66	1,603	1,794	3,397	32,795	63,612,166
Tennessee-----	5	98	103	75	1.04	20.48	21.53	15.67	6,270	2,225	8,495	3,866	4,784,907
Texas-----	-	10	10	28	-	6.91	6.91	19.34	-	227	227	612	1,447,840
Utah-----	4	160	164	148	.90	35.93	36.82	33.23	5,389	2,665	8,054	2,854	4,453,671
Virginia-----	11	828	839	314	.43	32.06	32.49	12.16	2,555	1,718	4,273	16,519	25,827,182
Washington-----	-	32	32	1	-	29.67	29.67	.93	-	304	304	503	1,078,695
West Virginia-----	35	4,242	4,277	4,150	.34	41.28	41.62	40.38	2,043	2,215	4,259	62,952	102,767,199
Wyoming-----	-	58	58	76	-	9.95	9.95	13.04	-	383	383	4,663	5,827,099
Total or average, bituminous-----	153	10,866	11,019	9,196	.41	29.03	29.44	24.57	2,452	1,727	4,179	221,172	374,313,834
Pennsylvania (anthracite)-----	2	253	255	456	.39	49.57	49.97	89.35	2,351	1,729	4,080	3,240	5,103,542
Grand total-----	155	11,119	11,274	9,652	.41	29.31	29.71	25.44	2,451	1,727	4,178	224,412	379,417,376

TABLE 49. - Injury, worktime, production, and productivity data at bituminous coal mines in the United States, 1930-75

Year	Number of injuries			Frequency rates						Severity rates per million man-hours		Average severity, all disabling injuries	Average men working daily	Average days active	Man-days worked (thousands)	Man-hours worked (thousands) ^{1/}	Production, short tons (thousands)
				Per million man-hours			Per million tons										
	Fatal	Non-fatal disabling	Non-disabling	Fatal	Non-fatal disabling	Non-disabling	Fatal	Non-fatal disabling	Non-disabling	Fatal	Non-fatal disabling						
1930-----	1,619	71,217	NA	1.90	83.75	NA	3.46	152.33	NA	NA	NA	NA	493,202	187	92,326	850,359	467,526
1931-----	1,080	53,975	NA	1.60	79.98	NA	2.83	141.26	NA	NA	NA	NA	450,274	163	73,349	674,871	382,106
1932-----	958	39,352	NA	1.77	72.58	NA	3.09	127.06	NA	NA	NA	NA	406,380	146	59,260	542,181	309,710
1933-----	833	43,946	NA	1.31	68.87	NA	2.50	131.72	NA	NA	NA	NA	418,752	167	69,882	638,124	333,631
1934-----	958	46,982	NA	1.41	69.39	NA	2.67	130.74	NA	NA	NA	NA	458,044	178	81,648	677,115	359,368
1935-----	968	47,529	NA	1.46	71.47	NA	2.60	127.64	NA	NA	NA	NA	462,354	178	82,292	665,047	372,369
1936-----	1,098	50,514	NA	1.43	65.62	NA	2.52	115.73	NA	NA	NA	NA	482,500	197	93,262	769,819	436,468
1937-----	1,198	52,847	NA	1.54	68.05	NA	2.68	118.21	NA	NA	NA	NA	490,771	196	96,130	776,581	447,047
1938-----	880	36,794	NA	1.52	63.47	NA	2.52	105.26	NA	NA	NA	NA	445,246	161	71,747	579,747	349,548
1939-----	867	38,544	NA	1.36	60.52	NA	2.19	97.18	NA	NA	NA	NA	445,044	177	78,966	636,828	396,631
1940-----	1,204	43,994	NA	1.68	61.28	NA	2.61	95.37	NA	NA	NA	NA	440,847	201	88,771	717,969	461,319
1941-----	1,072	46,637	NA	1.35	58.93	NA	2.08	90.42	NA	NA	NA	NA	457,744	214	98,000	791,429	515,769
1942-----	1,245	53,193	NA	1.41	60.21	NA	2.14	91.44	NA	NA	NA	NA	448,797	244	109,491	883,518	581,705
1943-----	1,225	51,067	NA	1.39	57.79	NA	2.06	86.05	NA	NA	NA	NA	407,135	263	106,912	883,709	593,471
1944-----	1,124	51,253	NA	1.23	56.02	NA	1.81	82.49	NA	7,371	2,198	7.67	376,203	278	104,695	914,925	621,358
1945-----	925	46,194	NA	1.13	56.52	NA	1.60	80.12	NA	6,791	2,497	1.61	364,997	257	93,854	817,316	576,525
1946-----	795	42,817	NA	1.09	58.81	NA	1.49	80.25	NA	6,552	2,552	1.52	385,142	215	82,850	727,995	533,520
1947-----	985	46,025	NA	1.23	57.32	NA	1.57	73.28	NA	7,360	2,689	1.72	411,845	236	97,105	803,016	628,034
1948-----	862	42,078	NA	1.15	56.28	NA	1.45	70.97	NA	6,917	2,687	1.67	429,378	220	94,575	747,686	592,923
1949-----	494	27,548	NA	.93	51.67	NA	1.13	63.22	NA	5,559	3,231	1.67	409,431	163	67,552	533,166	435,719
1950-----	550	28,390	NA	.92	47.73	NA	1.06	54.82	NA	5,548	2,876	1.73	408,623	185	75,510	594,836	517,879
1951-----	684	28,081	NA	1.16	47.56	NA	1.28	52.67	NA	6,951	3,097	2.06	372,138	201	74,898	590,406	533,132
1952-----	449	23,719	NA	.90	47.64	NA	.96	50.53	NA	5,411	2,998	1.73	338,719	186	63,028	497,914	469,373
1953-----	397	20,112	NA	.89	45.26	NA	.87	44.12	NA	5,361	2,681	1.74	295,425	191	56,294	444,319	455,885
1954-----	334	14,746	NA	.99	43.66	NA	.85	37.62	NA	5,934	2,566	1.90	241,919	177	42,765	337,727	391,952
1955-----	360	15,966	NA	.96	42.76	NA	.78	34.52	NA	5,785	2,398	1.87	225,539	210	47,306	373,384	462,519
1956-----	392	16,486	NA	1.02	42.99	NA	.79	33.22	NA	6,134	2,196	1.89	227,778	212	48,392	383,442	496,231
1957-----	427	15,915	NA	1.17	43.74	NA	.87	32.53	NA	7,040	2,197	2.06	223,900	206	46,020	363,896	489,175
1958-----	326	12,036	NA	1.14	41.97	NA	.79	29.29	NA	6,821	2,825	2.24	198,350	183	36,260	286,758	410,936
1959-----	246	10,440	NA	.92	39.15	NA	.60	25.33	NA	5,535	2,446	1.99	180,303	187	33,738	266,660	412,078
1960-----	290	10,501	NA	1.13	40.85	NA	.70	25.24	NA	6,768	2,502	2.21	170,628	190	32,417	257,075	416,098
1961-----	275	9,902	NA	1.18	42.52	NA	.68	24.56	NA	7,085	2,692	2.24	151,776	194	29,453	232,871	403,222
1962-----	263	9,783	NA	1.15	42.86	NA	.62	23.14	NA	6,913	2,799	2.21	147,276	196	28,863	228,267	422,838
1963-----	252	9,838	NA	1.09	42.38	NA	.55	21.37	NA	6,513	2,321	2.03	143,628	204	29,289	232,136	460,285
1964-----	218	9,728	NA	.94	41.92	NA	.45	19.93	NA	5,637	2,675	1.94	137,617	212	29,200	232,037	488,086
1965-----	251	10,071	NA	1.08	43.30	NA	.49	19.63	NA	6,474	2,769	2.08	137,602	213	29,242	232,613	513,083
1966-----	227	9,617	NA	.99	41.80	NA	.43	18.06	NA	5,919	1,981	1.85	135,952	213	28,928	230,087	532,559
1967-----	213	9,506	NA	.93	41.44	NA	.39	17.33	NA	5,571	2,247	1.85	131,562	220	28,910	229,415	548,503
1968-----	307	9,135	NA	1.37	40.89	NA	.57	16.86	NA	8,245	2,580	2.56	127,535	221	28,144	233,406	541,849
1969-----	190	9,425	NA	.84	41.44	NA	.34	16.86	NA	5,013	2,269	1.72	127,375	225	28,677	227,411	558,931
1970-----	255	11,049	NA	1.02	44.21	NA	.43	18.42	NA	6,121	2,339	1.87	138,542	227	31,423	249,945	599,918
1971-----	176	11,363	NA	.72	46.41	NA	.32	20.51	NA	4,313	1,157	1.16	137,080	225	30,839	244,820	553,993
1972-----	153	12,012	15,700	.59	45.96	60.08	.29	22.75	29.73	3,513	1,892	1.16	157,285	NA	NA	261,338	528,093
1973-----	131	10,880	13,999	.48	40.06	51.55	.24	19.73	25.38	2,894	1,966	1.20	143,886	NA	NA	271,575	551,482
1974-----	131	8,298	6,895	.45	28.45	23.64	.23	14.80	12.29	2,695	1,946	1.61	173,588	NA	NA	291,672	560,840
1975-----	153	10,856	9,185	.42	29.89	25.29	.25	17.91	15.16	2,527	1,778	1.42	215,004	NA	NA	363,250	606,007

1/ Man-hours of exposure were reported by coal producers for the first time in 1930; from 1930 through 1944, these hours represented worktime or face-time only for underground employees. Since portal-to-portal hours were reported from 1945 on, the face-time hours reported from 1930 through 1944 were converted to portal-to-portal hours--See Bulletin 509, "Injury Experience in Coal Mining, 1948," page 5, for method used. NA Not available.

TABLE 50. - Injury, worktime, production, and productivity data at Pennsylvania anthracite mines, 1930-75

Year	Number of injuries			Frequency rates						Severity rates per million man-hours		Average severity, all disabling injuries	Average men working daily	Average days active	Man-days worked (thousands)	Man-hours worked (thousands)	Production, short tons (thousands)
				Per million man-hours			Per million tons			Fatal	Non-fatal disabling						
	Fatal	Non-fatal disabling	Non-disabling	Fatal	Non-fatal disabling	Non-disabling	Fatal	Non-fatal disabling									
1930-----	444	28,764	NA	1.76	113.90	NA	6.40	414.56	NA	NA	NA	NA	150,804	209	31,568	252,543	69,385
1931-----	383	23,983	NA	1.84	115.07	NA	6.42	402.09	NA	NA	NA	NA	139,431	186	25,915	208,415	59,646
1932-----	249	16,931	NA	1.59	107.88	NA	4.99	339.60	NA	NA	NA	NA	121,243	161	19,486	156,944	49,855
1933-----	231	15,183	NA	1.49	98.13	NA	4.66	306.47	NA	NA	NA	NA	104,430	185	19,344	154,723	49,541
1934-----	268	18,577	NA	1.50	104.15	NA	4.69	324.95	NA	NA	NA	NA	108,382	206	22,292	178,372	57,168
1935-----	274	15,897	NA	1.78	103.16	NA	5.24	304.17	NA	NA	NA	NA	102,848	187	19,280	154,096	52,263
1936-----	244	17,026	NA	1.56	108.80	NA	4.46	311.43	NA	NA	NA	NA	102,082	192	19,630	156,486	54,670
1937-----	215	13,412	NA	1.58	98.72	NA	4.15	259.19	NA	NA	NA	NA	99,085	189	18,741	135,854	51,745
1938-----	225	12,842	NA	1.94	110.85	NA	4.88	278.27	NA	NA	NA	NA	96,282	172	16,528	115,852	46,149
1939-----	211	13,229	NA	1.71	107.37	NA	4.11	257.65	NA	NA	NA	NA	94,331	186	17,524	123,211	51,346
1940-----	184	13,782	NA	1.50	112.55	NA	3.57	267.67	NA	NA	NA	NA	92,420	189	17,468	122,447	51,489
1941-----	194	14,420	NA	1.49	110.83	NA	3.58	266.47	NA	NA	NA	NA	88,948	207	18,444	130,107	54,115
1942-----	226	13,581	NA	1.64	98.73	NA	3.88	232.89	NA	NA	NA	NA	82,064	239	19,644	137,560	58,316
1943-----	226	13,527	NA	1.50	89.68	NA	3.80	227.32	NA	NA	NA	NA	79,381	269	21,385	150,832	59,506
1944-----	174	12,438	NA	1.06	76.05	NA	2.74	195.59	NA	6,383	1,776	106	77,734	293	22,805	163,549	63,592
1945-----	143	10,923	NA	1.01	77.32	NA	2.60	198.60	NA	6,073	1,990	103	72,924	268	19,569	141,275	54,999
1946-----	173	12,533	NA	1.14	82.65	NA	2.86	207.31	NA	6,845	2,171	108	77,937	269	20,997	151,633	60,456
1947-----	173	11,635	NA	1.18	79.41	NA	3.03	203.67	NA	7,084	2,132	114	78,511	257	20,207	146,523	57,128
1948-----	137	11,394	NA	.91	75.69	NA	2.40	199.62	NA	5,460	2,685	106	77,955	263	20,508	150,545	57,080
1949-----	91	7,857	NA	.83	71.88	NA	2.11	181.87	NA	4,995	2,388	102	75,875	196	14,885	109,310	43,201
1950-----	93	8,874	NA	.80	76.14	NA	2.09	195.73	NA	4,787	2,495	95	74,616	211	15,721	116,354	44,426
1951-----	101	7,472	NA	.95	69.94	NA	2.41	178.64	NA	5,672	2,787	119	69,767	207	14,467	106,841	41,828
1952-----	99	6,355	NA	1.03	66.35	NA	2.44	156.55	NA	6,201	2,767	127	62,610	207	12,975	95,784	40,595
1953-----	64	4,146	NA	.92	59.85	NA	2.10	135.85	NA	5,543	2,064	125	55,701	169	9,275	69,275	30,518
1954-----	62	2,972	NA	1.23	59.18	NA	2.16	102.72	NA	7,407	2,664	167	41,786	164	6,832	50,223	28,933
1955-----	60	2,919	NA	1.30	63.46	NA	2.07	100.84	NA	7,827	2,423	158	34,550	182	6,285	45,995	28,948
1956-----	56	3,330	NA	1.12	66.31	NA	1.74	103.36	NA	6,691	2,818	141	32,507	212	6,893	50,220	32,216
1957-----	51	2,877	NA	1.15	64.93	NA	2.00	112.69	NA	6,906	2,420	141	30,825	196	6,057	44,311	25,530
1958-----	32	2,124	NA	.90	59.88	NA	1.51	99.90	NA	5,413	2,303	127	26,540	183	4,861	35,471	21,260
1959-----	47	1,723	NA	1.60	58.66	NA	2.29	84.07	NA	9,601	2,081	194	23,294	173	4,036	29,371	20,496
1960-----	35	1,401	NA	1.43	57.30	NA	1.85	73.98	NA	8,588	1,897	179	19,051	176	3,360	24,452	18,938
1961-----	19	1,295	NA	.85	57.75	NA	1.09	73.97	NA	5,084	2,618	131	15,792	196	3,098	22,424	17,507
1962-----	26	1,161	NA	1.26	56.14	NA	1.52	67.76	NA	7,544	1,877	164	14,010	204	2,853	20,680	17,133
1963-----	32	1,295	NA	1.52	61.53	NA	1.74	70.60	NA	9,122	3,245	196	13,498	216	2,912	21,048	18,344
1964-----	24	1,342	NA	1.18	65.89	NA	1.37	76.74	NA	7,070	2,580	144	13,144	214	2,812	20,368	17,487
1965-----	.8	1,067	NA	.49	65.16	NA	.54	71.57	NA	2,931	2,004	75	11,132	204	2,271	16,375	14,909
1966-----	6	829	NA	.44	60.64	NA	.46	64.24	NA	2,633	1,844	73	9,292	203	1,883	13,672	12,905
1967-----	9	609	NA	.73	49.27	NA	.73	49.67	NA	4,369	1,142	110	7,750	219	1,701	12,359	12,262
1968-----	4	504	NA	.36	45.77	NA	.35	43.86	NA	2,180	2,002	91	6,932	217	1,508	11,011	11,492
1969-----	13	492	NA	1.29	48.85	NA	1.27	47.99	NA	7,744	1,347	181	5,927	232	1,877	10,073	10,251
1970-----	5	503	NA	.49	49.20	NA	.51	50.88	NA	2,934	1,663	93	5,938	234	1,392	10,224	9,885
1971-----	5	553	NA	.54	59.37	NA	.57	63.36	NA	3,221	691	65	5,028	250	9,315	8,727	8,727
1972-----	3	317	390	.48	51.03	62.79	.46	48.82	60.06	2,898	2,709	109	4,922	NA	NA	6,212	6,493
1973-----	1	340	492	.17	56.26	81.38	.15	52.57	76.08	992	1,698	48	3,357	NA	NA	6,046	6,467
1974-----	2	247	372	.39	48.40	72.89	.41	50.06	75.40	2,351	1,568	80	3,409	NA	NA	5,103	4,934
1975-----	2	281	456	.40	50.74	92.18	.39	48.99	89.00	2,426	1,782	82	3,158	NA	NA	4,947	5,123

NA. Not available.

TABLE 11. - Injury, worktime, production, and productivity data at all coal mines in the United States, 1930-75

Year	Number of injuries			Frequency rates						Severity rates per million man-hours		Average severity, all disabling injuries	Average men working daily	Average days active	Man-days worked (thousands)	Man-hours worked (thousands) _{1/}	Production, short tons (thousands)
				Per million man-hours			Per million tons			Fatal	Non-fatal disabling						
	Fatal	Non-fatal disabling	Non-disabling	Fatal	Non-fatal disabling	Non-disabling	Fatal	Non-fatal disabling									
1930	2,063	99,981	NA	1.87	90.65	NA	3.84	186.22	NA	NA	NA	644,006	192	123,894	1,102,902	536,911	
1931	1,463	77,958	NA	1.66	88.26	NA	3.31	176.47	NA	NA	NA	589,705	168	99,264	883,286	441,751	
1932	1,207	56,283	NA	1.73	80.50	NA	3.36	156.53	NA	NA	NA	527,623	149	78,745	699,125	359,565	
1933	1,064	59,129	NA	1.34	74.58	NA	2.78	154.31	NA	NA	NA	523,182	171	89,226	792,847	383,172	
1934	1,226	65,559	NA	1.43	76.63	NA	2.94	157.39	NA	NA	NA	566,426	184	103,940	855,487	416,536	
1935	1,242	63,426	NA	1.52	77.43	NA	2.92	149.37	NA	NA	NA	565,202	180	101,572	819,143	424,632	
1936	1,342	67,540	NA	1.45	72.91	NA	2.73	137.52	NA	NA	NA	584,582	197	114,891	926,305	491,139	
1937	1,413	66,259	NA	1.55	72.62	NA	2.83	132.84	NA	NA	NA	589,856	195	114,871	912,435	498,793	
1938	1,105	49,636	NA	1.59	71.36	NA	2.79	125.44	NA	NA	NA	541,528	163	88,276	695,599	395,697	
1939	1,078	51,773	NA	1.42	68.12	NA	2.41	115.57	NA	NA	NA	539,375	179	96,490	760,039	447,977	
1940	1,388	57,776	NA	1.65	68.75	NA	2.71	112.67	NA	NA	NA	533,267	199	106,239	840,416	512,808	
1941	1,266	61,057	NA	1.37	66.26	NA	2.22	107.14	NA	NA	NA	546,692	213	116,464	921,536	569,884	
1942	1,471	66,774	NA	1.44	65.40	NA	2.30	104.33	NA	NA	NA	530,861	243	129,136	1,021,078	640,021	
1943	1,451	64,594	NA	1.40	62.44	NA	2.22	98.92	NA	NA	NA	486,516	264	128,297	1,034,541	652,977	
1944	1,298	63,691	NA	1.20	59.06	NA	1.90	92.99	NA	7,221	2,134	453,937	281	127,500	1,078,474	684,950	
1945	1,068	57,117	NA	1.11	59.58	NA	1.69	90.44	NA	6,685	2,422	437,921	259	113,424	958,591	631,523	
1946	968	55,350	NA	1.10	62.92	NA	1.63	93.19	NA	6,603	2,486	463,079	224	103,847	879,628	593,976	
1947	1,158	57,660	NA	1.22	60.72	NA	1.60	84.16	NA	7,317	2,603	490,356	239	117,312	949,539	685,162	
1948	999	53,472	NA	1.11	59.53	NA	1.54	82.26	NA	6,673	2,686	507,333	227	115,083	898,231	650,003	
1949	585	35,405	NA	.91	55.11	NA	1.22	73.93	NA	5,463	3,087	483,306	170	82,437	642,476	478,920	
1950	643	37,264	NA	.90	52.38	NA	1.14	66.27	NA	5,423	2,814	483,239	189	91,231	711,390	562,305	
1951	785	35,553	NA	1.13	50.99	NA	1.37	61.84	NA	6,755	3,049	441,905	202	89,365	697,247	574,960	
1952	548	30,074	NA	.92	50.66	NA	1.07	58.97	NA	5,538	2,896	401,329	189	76,003	593,698	509,967	
1953	461	24,298	NA	.90	47.23	NA	.95	49.87	NA	5,386	2,598	351,126	166	65,688	513,594	486,404	
1954	396	17,718	NA	1.02	45.67	NA	.94	42.10	NA	6,124	2,578	283,705	175	49,598	387,950	420,885	
1955	420	18,885	NA	1.00	45.03	NA	.85	38.43	NA	6,009	2,401	260,089	206	53,591	419,379	491,468	
1956	448	19,816	NA	1.03	45.69	NA	.85	37.50	NA	6,198	2,268	280,285	212	55,286	433,662	528,447	
1957	478	18,792	NA	1.17	46.04	NA	.93	36.51	NA	7,026	2,221	254,725	204	52,077	408,207	514,706	
1958	358	14,160	NA	1.11	43.94	NA	.83	32.76	NA	6,666	2,768	224,890	183	41,111	322,229	432,196	
1959	293	12,163	NA	.99	41.09	NA	.68	28.12	NA	5,939	2,409	203,597	186	37,773	296,031	432,574	
1960	325	11,902	NA	1.15	42.28	NA	.75	27.36	NA	6,926	2,449	189,679	189	35,778	281,528	435,086	
1961	294	11,197	NA	1.15	43.86	NA	.70	26.61	NA	6,910	2,686	167,568	194	32,551	255,296	420,729	
1962	289	10,944	NA	1.16	43.96	NA	.66	24.87	NA	6,965	2,722	161,286	197	31,716	248,946	439,972	
1963	284	11,133	NA	1.12	43.97	NA	.59	23.26	NA	6,730	2,398	157,126	205	32,200	253,185	478,629	
1964	242	11,070	NA	.96	43.86	NA	.48	21.90	NA	5,753	2,668	150,761	212	32,012	252,405	505,573	
1965	259	11,138	NA	1.04	44.73	NA	.49	21.09	NA	6,241	2,718	148,734	212	31,513	248,988	527,993	
1966	233	10,446	NA	.96	42.85	NA	.43	19.15	NA	5,735	1,973	145,244	212	30,811	243,759	545,464	
1967	222	10,115	NA	.92	41.84	NA	.40	18.04	NA	5,509	2,190	139,312	220	30,611	241,774	560,764	
1968	311	9,639	NA	1.33	41.12	NA	.56	17.42	NA	7,960	2,553	134,467	221	29,651	234,417	553,340	
1969	203	9,917	NA	.85	41.76	NA	.36	17.42	NA	5,129	2,230	133,302	225	30,053	237,484	569,182	
1970	260	11,552	NA	1.00	44.40	NA	.43	18.04	NA	5,996	2,312	144,480	227	32,814	260,169	609,803	
1971	181	11,916	NA	.71	46.89	NA	.32	21.18	NA	4,273	1,140	142,108	226	32,099	254,135	562,720	
1972	156	12,329	16,090	.58	46.08	60.14	.29	23.06	30.10	3,498	1,911	162,207	NA	NA	267,550	534,586	
1973	132	11,220	14,491	.48	40.41	52.20	.24	20.11	25.97	2,853	1,960	147,243	NA	NA	277,622	557,949	
1974	133	8,545	7,267	.45	28.79	24.49	.24	15.10	12.84	2,689	1,940	176,997	NA	NA	296,775	565,774	
1975	155	11,107	9,641	.42	30.17	26.18	.25	18.17	15.78	2,526	1,778	218,162	NA	NA	368,197	611,130	

1/ All man-hours are shown on a portal-to-portal basis.
NA Not available.

TABLE 52. - Coal mine fatality rates for the United States, 1870-1975 ^{1/}
(Includes underground and surface injuries)

Year	Bituminous coal mines			Anthracite mines			Total		
	Per thousand employed	Per thousand 300-day workers	Per million tons mined	Per thousand employed	Per thousand 300-day workers	Per million tons mined	Per thousand employed	Per thousand 300-day workers	Per million tons mined
1870	-	-	-	5.93	-	13.47	5.93	-	13.47
1871	-	-	-	5.60	-	10.86	5.60	-	10.86
1872	-	-	-	4.98	-	9.20	4.98	-	9.20
1873	-	-	-	5.46	-	10.06	5.46	-	10.06
1874	2.11	-	8.88	4.33	-	9.31	3.87	-	9.26
1875	1.60	-	4.93	3.37	-	10.50	3.06	-	9.51
Average	-	-	-	4.58	-	9.94	4.30	-	9.72
1876	1.00	-	4.29	3.22	-	9.96	2.83	-	9.20
1877	2.17	-	5.90	2.90	-	7.56	2.77	-	7.28
1878	1.86	-	3.17	2.92	-	8.62	2.62	-	6.38
1879	2.02	-	3.39	3.81	-	8.67	3.30	-	6.82
1880	1.43	-	2.95	2.75	-	7.05	2.21	-	5.16
Average	1.66	-	3.42	3.12	-	8.31	2.72	-	6.68
1881	1.67	-	2.75	3.59	4.87	8.55	2.93	-	6.04
1882	1.95	-	3.63	3.54	4.87	8.29	2.75	-	5.72
1883	3.09	-	4.99	3.53	4.56	8.40	3.34	-	6.58
1884	2.26	-	4.11	3.28	5.12	8.94	2.80	-	6.17
1885	1.68	-	3.48	3.58	5.26	9.36	2.58	-	5.91
Average	2.12	-	3.88	3.50	4.94	8.72	2.85	-	6.09
1886	1.85	-	3.89	2.70	4.13	7.12	2.25	-	5.23
1887	1.55	-	3.08	2.95	4.25	7.46	2.20	-	4.86
1888	2.23	-	4.38	2.98	4.10	7.81	2.55	-	5.61
1889	1.77	-	3.44	3.11	4.81	8.45	2.36	-	5.22
1890	2.15	2.85	3.56	3.00	4.50	8.13	2.52	3.50	5.01
Average	1.94	-	3.68	2.96	4.36	7.82	2.39	-	5.19
1891	2.86	3.85	4.94	3.39	5.01	8.45	3.08	4.30	6.06
1892	3.05	4.17	5.06	3.24	4.91	7.97	3.12	4.42	5.98
1893	2.26	3.32	4.07	3.42	5.21	8.43	2.70	4.03	5.39
1894	2.26	3.96	4.65	3.38	5.34	8.57	2.67	4.50	5.91
1895	3.09	4.78	5.46	2.95	4.51	7.26	3.04	4.68	6.00
Average	2.69	4.02	4.84	3.27	4.99	8.12	2.91	4.38	5.87
1896	2.51	3.92	4.45	3.36	5.79	9.22	2.85	4.62	5.85
1897	2.38	3.64	3.99	2.82	5.64	8.04	2.55	4.27	5.08
1898	2.64	3.75	4.06	2.82	5.57	7.70	2.71	4.28	4.97
1899	3.05	3.91	4.25	3.30	5.72	7.63	3.14	4.40	5.08
1900	3.74	4.79	5.32	2.85	5.15	7.16	3.44	4.87	5.72
Average	2.90	4.06	4.46	3.03	5.58	7.94	2.95	4.50	5.34
1901	3.16	4.21	4.74	3.53	5.40	7.60	3.27	4.54	5.40
1902	3.93	5.13	5.58	2.03	5.25	7.25	3.38	5.15	5.81
1903	3.47	4.63	5.07	3.44	5.01	6.94	3.46	4.72	5.47
1904	3.35	4.98	5.26	3.82	5.73	8.13	3.48	5.17	5.88
1905	3.53	5.02	5.14	3.89	5.43	8.29	3.63	5.14	5.78
Average	3.49	4.81	5.17	3.36	5.38	7.69	3.45	4.95	5.67
1906	3.38	4.76	4.72	3.43	5.28	7.81	3.39	4.87	5.27
1907	4.99	6.40	6.46	4.23	5.77	8.27	4.81	6.25	6.78
1908	3.50	5.44	5.42	3.89	5.84	8.14	3.60	5.54	5.97
1909	4.15	5.58	5.46	3.40	4.79	6.99	3.96	5.35	5.73
1910	4.00	5.53	5.32	3.55	4.65	7.11	3.89	5.30	5.62
Average	4.01	5.57	5.50	3.70	5.25	7.67	3.94	5.48	5.89
1911	3.53	5.02	4.82	4.02	4.90	7.73	3.65	4.97	5.35
1912	3.31	4.46	4.04	3.45	4.48	7.12	3.35	4.46	4.53
1913	3.79	4.90	4.53	3.52	4.10	6.75	3.73	4.70	4.89
1914	3.19	4.90	4.40	3.31	4.05	6.35	3.22	4.66	4.78
1915	3.02	4.47	3.80	3.32	4.33	6.58	3.09	4.44	4.27
Average	3.27	4.75	4.31	3.52	4.37	6.95	3.40	4.65	4.76
1916	2.98	3.88	3.33	3.47	4.11	6.34	3.09	3.93	3.77
1917	3.50	4.33	3.83	3.77	3.98	5.84	3.56	4.25	4.14
1918	3.30	3.97	3.50	3.75	3.83	5.58	3.38	3.94	3.80
1919	2.71	4.16	3.62	4.11	4.64	7.21	2.99	4.28	4.19
1920	2.78	3.79	3.13	3.38	3.74	5.48	2.90	3.78	3.45
Average	3.05	4.03	3.48	3.70	4.06	6.07	3.18	4.03	3.86
1921	2.18	4.38	3.48	3.43	3.80	6.05	2.42	4.20	3.94
1922	2.45	5.16	3.99	1.91	3.81	5.49	2.35	4.90	4.16
1923	2.77	4.65	3.46	3.23	3.62	5.45	2.85	4.39	3.74
1924	3.08	5.39	3.94	3.10	3.39	5.64	3.08	4.80	4.20
1925	3.12	4.79	3.53	2.50	4.12	6.47	2.98	4.65	3.84
Average	2.70	4.87	3.67	2.83	3.71	5.80	2.73	4.58	3.96

See footnote at end of table.

TABLE 52. - Coal mine fatality rates for the United States, 1870-1975 ^{1/} - Continued
(Includes underground and surface injuries)

Year	Bituminous coal mines			Anthracite mines			Total		
	Per thousand employed	Per thousand 300-day workers	Per million tons mined	Per thousand employed	Per thousand 300-day workers	Per million tons mined	Per thousand employed	Per thousand 300-day workers	Per million tons mined
1926	3.48	4.86	3.60	2.74	3.37	5.36	3.32	4.50	3.83
1927	2.93	4.60	3.36	2.96	3.94	6.11	2.94	4.43	3.73
1928	3.31	4.90	3.45	2.78	3.85	5.93	3.19	4.64	3.78
1929	3.39	4.63	3.19	3.18	4.24	6.53	3.34	4.54	3.59
1930	3.28	5.26	3.46	2.94	4.22	6.40	3.20	5.00	3.84
Average	3.27	4.84	3.42	2.92	3.90	6.04	3.19	4.61	3.75
1931	2.40	4.42	2.83	2.75	4.43	6.42	2.48	4.42	3.31
1932	2.36	4.85	3.09	2.05	3.83	4.99	2.29	4.60	3.36
1933	1.99	3.58	2.50	2.21	3.58	4.66	2.03	3.58	2.78
1934	2.09	3.52	2.67	2.47	3.61	4.69	2.16	3.54	2.94
1935	2.09	3.53	2.60	2.66	4.26	5.24	2.20	3.67	2.92
Average	2.18	3.93	2.73	2.44	3.96	5.23	2.24	3.93	3.06
1936	2.28	3.46	2.52	2.39	3.73	4.46	2.30	3.50	2.73
1937	2.44	3.74	2.68	2.17	3.44	4.15	2.40	3.69	2.83
1938	1.98	3.68	2.52	2.34	4.08	4.88	2.04	3.76	2.79
1939	1.95	3.29	2.19	2.24	3.61	4.11	2.00	3.35	2.41
1940	2.73	4.07	2.61	1.99	3.16	3.57	2.60	3.92	2.71
Average	2.28	3.65	2.51	2.23	3.60	4.23	2.27	3.64	2.70
1941	2.34	3.28	2.08	2.18	3.16	3.58	2.32	3.26	2.22
1942	2.77	3.41	2.14	2.75	3.45	3.88	2.77	3.42	2.30
1943	3.01	3.44	2.06	2.85	3.17	3.80	2.98	3.39	2.22
1944	2.99	3.22	1.81	2.24	2.29	2.74	2.86	3.05	1.90
1945	2.53	2.96	1.60	1.96	2.19	2.60	2.44	2.82	1.69
Average	2.72	3.27	1.94	2.41	2.84	3.32	2.67	3.20	2.06
1946	2.06	2.88	1.49	2.22	2.47	2.86	2.09	2.80	1.63
1947	2.39	3.02	1.57	2.20	2.57	3.02	2.36	2.96	1.69
1948	2.01	2.73	1.45	1.76	2.00	2.40	1.97	2.60	1.54
1949	1.21	2.19	1.13	1.20	1.83	2.11	1.21	1.13	1.22
1950	1.35	2.19	1.06	1.25	1.77	2.09	1.33	2.11	1.14
Average	1.80	2.65	1.36	1.73	2.16	2.54	1.79	2.56	1.47
1951	1.84	2.74	1.28	1.45	2.09	2.41	1.78	2.64	1.37
1952	1.33	2.14	.96	1.58	2.29	2.44	1.37	2.16	1.07
1953	1.34	2.12	.87	1.15	2.04	2.10	1.31	2.11	.95
1954	1.38	2.34	.85	1.48	2.72	2.14	1.40	2.40	.94
1955	1.60	2.28	.78	1.74	2.86	2.07	1.61	2.35	.85
Average	1.51	2.35	.96	1.46	2.32	2.26	1.50	2.34	1.05
1956	1.72	2.43	.79	1.72	2.44	1.74	1.72	2.43	.85
1957	1.91	2.78	.87	1.65	2.53	2.00	1.88	2.75	.93
1958	1.64	2.70	.79	1.21	1.97	1.51	1.59	2.61	.83
1959	1.36	2.19	.60	2.02	3.49	2.29	1.44	2.33	.68
1960	1.70	2.68	.70	1.84	3.12	1.85	1.71	2.73	.75
Average	1.68	2.56	.76	1.67	2.63	1.87	1.68	2.57	.81
1961	1.81	2.80	.68	1.20	1.84	1.09	1.75	2.71	.70
1962	1.79	2.73	.62	1.86	2.73	1.52	1.79	2.73	.66
1963	1.75	2.58	.55	2.37	3.30	1.74	1.81	2.65	.59
1964	1.58	2.24	.45	1.83	2.56	1.37	1.61	2.27	.48
1965	1.82	2.58	.49	.72	1.06	.54	1.74	2.47	.49
Average	1.75	2.59	.55	1.61	2.34	1.28	1.74	2.57	.58
1966	1.67	2.35	.43	.65	.96	.46	1.60	2.27	.43
1967	1.62	2.21	.39	1.16	1.59	.73	1.59	2.18	.40
1968	2.41	3.27	.57	.58	.80	.35	2.31	3.15	.56
1969	1.49	1.99	.34	2.19	2.83	1.27	1.52	2.03	.36
1970	1.84	2.43	.43	.84	1.08	.51	1.80	2.38	.43
Average	1.80	2.45	.43	1.03	1.41	.65	1.76	2.40	.43
1971	1.28	1.71	.32	.99	1.19	.57	1.27	1.69	.32
1972	.97	NA	.29	.61	NA	.46	.96	NA	.29
1973	.91	NA	.24	.30	NA	.15	.90	NA	.24
1974	.75	NA	.23	.59	NA	.41	.75	NA	.24
1975	.71	NA	.25	.63	NA	.39	.71	NA	.25
Average	.92	.34	.27	.62	.24	.40	.92	.34	.27

NA Not available.

^{1/} Before 1910 certain States did not maintain records of injuries. The above rates are based exclusively on tonnage and men employed in States for which injury records are available.

TABLE 53. - Bituminous coal mines: Fatalities, by principal cause of injury, 1906-75 1/

Year	Underground workings									Surface 2/	Grand total
	Falls of roof and face	Haulage	Gas or dust explosions	Explosives	Electricity	All other underground	Total underground	Shaft and slope	Total		
1906	826	192	219	115	52	27	1,431	73	1,504	77	1,581
1907	911	260	911	134	49	99	2,364	59	2,423	111	2,534
1908	829	229	320	109	53	97	1,637	53	1,690	77	1,767
1909	975	240	264	122	52	312	1,965	37	2,002	73	2,075
1910	1,061	295	477	113	76	46	2,068	60	2,128	92	2,220
Average	921	243	438	119	56	116	1,893	56	1,949	86	2,035
1911	1,007	294	331	72	92	44	1,840	31	1,871	86	1,957
1912	943	296	255	70	75	44	1,683	39	1,722	96	1,818
1913	1,007	344	464	63	79	82	2,039	32	2,071	96	2,167
1914	975	309	305	56	86	55	1,714	41	1,755	104	1,859
1915	818	269	270	76	85	35	1,553	30	1,583	100	1,683
Average	936	303	325	67	83	52	1,766	35	1,801	96	1,897
1916	850	330	183	60	81	49	1,553	34	1,587	84	1,671
1917	965	433	319	55	76	60	1,908	44	1,952	162	2,114
1918	1,052	446	103	85	77	76	1,839	41	1,880	149	2,029
1919	878	310	149	57	64	79	1,537	39	1,576	112	1,688
1920	937	342	124	82	70	72	1,627	34	1,661	120	1,781
Average	936	372	176	68	74	67	1,693	38	1,731	126	1,857
1921	782	275	62	74	76	71	1,340	25	1,365	83	1,448
1922	780	286	298	55	71	56	1,546	36	1,582	102	1,684
1923	948	347	330	66	70	64	1,825	31	1,856	97	1,953
1924	846	299	486	46	72	56	1,805	17	1,822	84	1,906
1925	910	310	302	49	80	76	1,727	30	1,757	77	1,834
Average	853	303	296	58	74	65	1,649	27	1,676	89	1,765
1926	994	384	373	46	94	62	1,953	27	1,980	85	2,065
1927	924	309	187	48	94	70	1,632	22	1,654	88	1,742
1928	825	313	347	41	82	54	1,662	13	1,675	54	1,729
1929	922	349	168	45	75	56	1,615	17	1,632	73	1,705
1930	856	285	234	31	83	68	1,537	9	1,546	73	1,619
Average	904	328	262	42	82	62	1,680	17	1,697	75	1,772
1931	624	194	68	15	62	44	1,007	19	1,026	54	1,080
1932	466	146	162	21	42	45	882	13	895	63	958
1933	458	162	27	24	46	45	762	10	772	61	833
1934	539	168	40	21	53	64	885	9	894	64	958
1935	524	198	26	31	43	70	892	13	905	63	968
Average	522	174	65	22	49	54	886	12	898	61	959
1936	624	202	41	31	44	81	1,023	11	1,034	64	1,098
1937	606	244	116	31	52	64	1,113	15	1,128	70	1,198
1938	474	142	84	23	38	53	814	9	823	57	880
1939	500	155	43	15	49	56	818	5	823	44	867
1940	520	192	292	28	30	62	1,124	12	1,136	68	1,204
Average	545	187	115	26	42	63	978	11	989	60	1,049

NOTE: Beginning with 1941, the cause classification in this historical series is changed as follows: (1) Fatalities in shafts and slopes have been included in "Underground workings" and are distributed according to the specified causes; prior to 1941 these deaths were grouped and shown as "Shaft and slope." (2) Fatalities from underground machinery accidents are grouped and shown separately; prior to 1941 such deaths were included in "All other underground." (3) Fatalities from roof or face falls caused by haulage equipment or machinery knocking out roof-support have been included in the respective haulage or machinery classifications; prior to 1941 such deaths were included in "Falls of roof and face." (4) Fatalities from pressure bumps and bursts and from inrush of water or material are included in "All other underground;" prior to 1941 such deaths were included in "Falls of roof and face."

Year	Underground workings								Surface 2/	Grand total
	Falls of roof and face	Haulage	Gas or dust explosions	Explosives	Electricity	Machinery	All other underground	Total		
1941	552	206	89	24	42	39	42	994	78	1,072
1942	579	253	148	16	51	49	47	1,143	102	1,245
1943	561	253	166	27	33	31	59	1,130	95	1,225
1944	551	239	32	21	27	49	96	1,015	109	1,124
1945	429	216	72	23	20	40	31	831	94	925
Average	534	233	102	22	35	42	55	1,023	95	1,118

See footnotes at end of table.

TABLE 53. - Bituminous coal mines: Fatalities, by principal cause of injury, 1906-75 ^{1/} - Continued

Year	Underground workings								Surface ^{2/}	Grand total
	Falls of roof and face	Haulage	Gas or dust explosions	Explosives	Electricity	Machinery	All other underground	Total		
1946	420	172	27	12	17	34	29	711	84	795
1947	434	213	154	23	20	23	27	894	91	985
1948	430	182	44	22	19	22	42	761	101	862
1949	259	108	3	14	10	21	10	425	69	494
1950	296	121	3	10	11	19	9	469	81	550
Average	368	159	46	16	15	24	24	652	85	737
1951	284	112	153	7	18	27	17	618	66	684
1952	228	109	11	5	10	15	11	389	60	449
1953	221	81	9	4	12	14	8	349	48	397
1954	168	69	17	5	11	16	5	291	43	334
1955	186	69	2	10	15	16	5	303	57	360
Average	217	88	39	6	13	18	9	390	55	445
1956	208	73	5	8	14	18	16	342	50	392
1957	198	56	63	7	11	18	22	375	52	427
1958	157	46	41	7	14	12	12	289	^{3/} 37	326
1959	135	37	10	4	7	13	4	210	36	246
1960	145	38	3	3	18	14	25	246	44	290
Average	169	50	24	6	13	15	16	293	43	336
1961	135	41	26	4	12	12	12	242	33	275
1962	105	43	52	4	6	16	-	226	37	263
1963	123	37	31	2	5	14	6	218	34	252
1964	114	42	3	1	5	17	6	188	30	218
1965	126	34	19	1	4	14	17	215	36	251
Average	121	40	26	2	6	15	8	218	34	252
1966	110	40	10	3	2	12	12	189	38	227
1967	94	29	12	2	10	14	5	166	47	213
1968	98	31	88	2	17	15	16	267	40	307
1969	77	32	-	1	7	18	7	142	48	190
1970	84	37	41	2	11	26	4	205	50	255
Average	93	34	30	2	9	17	9	194	45	239
1971	60	35	2	2	13	21	7	140	36	176
1972	49	37	5	2	2	14	12	121	32	153
1973	44	30	2	1	5	15	1	98	33	131
1974	47	15	-	-	4	17	6	89	42	131
1975	53	20	-	-	8	16	2	99	54	153
Average	51	27	2	1	6	17	6	109	39	149

^{1/} Figures for 1906-09 cover only those States that maintained complete records of fatal injuries. These represented 98 to 99 percent of the total production of coal in the United States. Figures for 1910 to date represent the entire bituminous coal industry.

^{2/} Includes fatalities that occurred at all other work locations, including the associated surface works of underground mines, strip mines, and mechanical-cleaning plants; beginning with 1955, includes fatalities in auger mines.

^{3/} Includes one surface fatality resulting from a fall of roof underground in Kentucky, 1958.

TABLE 54. - Pennsylvania anthracite mines: Fatalities, by principal cause of injury, 1906-75

Year	Underground workings									Surface 1/	Grand total
	Falls of roof and face	Haulage	Gas or dust ex- plosions	Explo- sives	Elec- tricity	All other under- ground	Total under- ground	Shaft and slopes	Total		
1906	214	67	46	82	1	27	437	19	456	101	557
1907	294	88	45	87	3	57	574	27	601	107	708
1908	299	90	55	94	1	33	572	24	596	82	678
1909	254	71	31	69	6	49	480	10	490	77	567
1910	253	93	20	82	3	38	489	20	509	92	601
Average	262	82	39	83	3	41	510	20	530	92	622
1911	252	92	34	88	2	126	594	21	615	84	699
1912	243	79	35	77	5	37	476	22	498	103	601
1913	257	85	50	75	1	55	523	30	553	65	618
1914	228	76	44	90	3	45	486	47	533	62	595
1915	261	80	34	79	4	58	516	10	526	60	586
Average	248	83	39	82	3	64	519	26	545	75	620
1916	215	64	43	86	9	57	474	15	489	66	555
1917	265	64	41	55	3	39	467	16	483	99	582
1918	242	66	26	50	11	47	442	11	453	98	551
1919	229	73	42	149	4	49	546	13	559	76	635
1920	197	66	36	49	6	40	394	22	416	75	491
Average	229	67	38	78	7	46	465	15	480	83	563
1921	243	70	64	68	4	50	499	11	510	37	547
1922	128	58	13	38	3	19	259	5	264	36	300
1923	219	73	42	49	5	45	433	15	448	61	509
1924	216	58	50	53	8	45	430	12	442	54	496
1925	170	56	43	53	4	20	346	4	350	50	400
Average	195	63	42	52	5	36	393	10	403	47	450
1926	220	52	49	50	2	39	412	8	420	33	453
1927	225	52	60	62	6	43	448	7	455	34	489
1928	243	52	29	33	6	42	405	12	417	30	447
1929	260	65	27	43	6	31	432	12	444	38	482
1930	243	40	30	47	8	34	402	2	404	40	444
Average	238	52	39	47	6	38	420	8	428	35	463
1931	234	43	20	25	3	23	348	4	352	31	383
1932	161	33	7	15	5	12	233	2	235	14	249
1933	119	32	13	10	7	17	198	6	204	27	231
1934	150	29	12	15	3	25	234	4	238	30	268
1935	140	30	23	19	2	15	229	10	239	35	274
Average	161	33	15	17	4	18	248	5	253	28	281
1936	120	26	16	20	8	26	216	6	222	22	244
1937	120	31	-	14	4	16	185	5	190	25	215
1938	128	23	20	11	2	17	201	3	204	21	225
1939	121	27	3	17	2	15	185	6	191	20	211
1940	105	36	5	8	7	8	169	3	172	12	184
Average	118	29	9	14	5	16	191	5	196	20	216

NOTE: Beginning with 1941, the cause classification in this historical series is changed as follows: (1) Fatalities in shafts and slopes have been included in "Underground workings" and are distributed according to the specified causes; prior to 1941 these deaths were grouped and shown as "Shaft and slope." (2) Fatalities from underground machinery accidents are grouped and shown separately; prior to 1941 such deaths were included in "All other underground." (3) Fatalities from roof or face falls caused by haulage equipment or machinery knocking out roof-support have been included in the respective haulage or machinery classifications; prior to 1941 such deaths were included in "Falls of roof and face." (4) Fatalities from pressure bumps and bursts and from inrush of water or material are included in "All other underground;" prior to 1941 such deaths were included in "Falls of roof and face."

Year	Underground workings								Surface 1/	Grand total
	Falls of roof and face	Haulage	Gas or dust ex- plosions	Explo- sives	Elec- tricity	Machinery	All other under- ground	Total		
1941	91	27	8	12	5	-	29	172	22	194
1942	123	38	9	13	6	1	20	210	16	226
1943	104	36	15	9	2	3	28	197	29	226
1944	68	24	4	16	3	-	36	151	23	174
1945	62	25	4	11	1	1	25	129	14	143
Average	90	30	8	12	3	1	28	172	21	193

See footnote at end of table.

TABLE 54. - Pennsylvania anthracite mines: Fatalities, by principal cause of injury, 1906-75 - Continued

Year	Underground workings								Surface 1/	Grand total
	Falls of roof and face	Haulage	Gas or dust ex- plosions	Explo- sives	Elec- tricity	Machinery	All other under- ground	Total		
1946	93	23	2	8	3	1	22	152	21	173
1947	76	17	35	7	4	-	14	153	20	173
1948	78	14	2	7	1	1	16	119	18	137
1949	52	14	5	3	-	-	9	83	8	91
1950	52	7	5	5	1	-	8	78	15	93
Average	70	15	10	6	2	(2/)	14	117	16	133
1951	43	17	9	5	1	1	13	89	12	101
1952	36	19	4	4	-	2	20	85	14	99
1953	42	2	5	1	2	-	8	60	4	64
1954	36	8	1	-	1	-	5	51	11	62
1955	31	8	2	2	-	-	6	49	11	60
Average	38	11	4	2	1	1	10	67	10	77
1956	31	6	4	1	2	-	4	48	8	56
1957	30	5	3	4	1	-	6	49	2	51
1958	19	-	1	1	-	1	4	26	6	32
1959	18	8	-	2	-	-	13	41	6	47
1960	18	4	-	1	-	-	5	28	7	35
Average	23	5	1	2	1	(2/)	6	38	6	44
1961	9	3	-	1	-	1	-	14	5	19
1962	8	2	-	-	-	-	8	18	8	26
1963	13	2	5	3	-	-	4	27	5	32
1964	9	5	3	3	-	-	2	22	2	24
1965	5	1	-	-	-	-	2	8	-	8
Average	9	3	2	1	-	(2/)	3	18	4	22
1966	5	-	-	-	-	-	-	5	1	6
1967	7	-	-	-	-	1	-	8	1	9
1968	1	-	-	-	-	-	-	1	3	4
1969	1	1	1	-	-	-	4	7	6	13
1970	-	-	-	1	-	-	-	1	4	5
Average	3	(2/)	(2/)	(2/)	-	(2/)	1	4	3	7
1971	1	-	-	-	-	-	-	1	4	5
1972	1	-	-	-	-	-	-	1	2	3
1973	1	-	-	-	-	-	-	1	-	1
1974	-	-	-	1	-	-	-	1	1	2
1975	-	-	-	-	-	-	-	-	2	2
Average	1	-	-	(2/)	-	-	-	(2/)	2	3

1/ Includes strip mines, culm banks, dredges, and mechanical-cleaning plants.

2/ Less than 0.5.

TABLE 55. - All coal mines: Fatalities, by principal cause of injury, 1906-75 ^{1/}

Year	Underground workings									Surface ^{2/}	Grand total
	Falls of roof and face	Haulage	Gas or dust explosions	Explosives	Electricity	All other underground	Total underground	Shaft and slope	Total		
1906	1,040	259	265	197	53	54	1,868	92	1,960	178	2,138
1907	1,205	348	956	221	52	156	2,938	86	3,024	218	3,242
1908	1,128	319	375	203	54	130	2,209	77	2,286	159	2,445
1909	1,229	311	295	191	58	361	2,445	47	2,492	150	2,642
1910	1,314	388	497	195	79	84	2,557	80	2,637	184	2,821
Average	1,183	325	477	202	59	157	2,403	76	2,479	178	2,657
1911	1,259	386	365	160	94	170	2,434	52	2,486	170	2,656
1912	1,186	375	290	147	80	81	2,159	61	2,220	199	2,419
1913	1,264	429	514	138	80	137	2,562	62	2,624	161	2,785
1914	1,131	385	349	146	89	100	2,200	88	2,288	166	2,454
1915	1,079	349	304	155	89	93	2,069	40	2,109	160	2,269
Average	1,184	386	364	149	86	116	2,285	61	2,346	171	2,517
1916	1,065	394	226	146	90	106	2,027	49	2,076	150	2,226
1917	1,230	497	360	110	79	99	2,375	60	2,435	261	2,696
1918	1,294	512	129	135	88	123	2,281	52	2,333	247	2,580
1919	1,107	383	191	206	68	128	2,083	52	2,135	188	2,323
1920	1,134	408	160	131	76	112	2,021	56	2,077	195	2,272
Average	1,165	439	214	146	81	113	2,158	53	2,211	209	2,420
1921	1,025	345	126	142	80	121	1,839	36	1,875	120	1,995
1922	908	344	311	93	74	75	1,805	41	1,846	138	1,984
1923	1,167	420	372	115	75	109	2,258	46	2,304	158	2,462
1924	1,062	357	536	99	80	101	2,235	29	2,264	138	2,402
1925	1,080	366	345	102	84	96	2,073	34	2,107	127	2,234
Average	1,048	366	338	110	79	101	2,042	37	2,079	136	2,215
1926	1,214	436	422	96	96	101	2,365	35	2,400	118	2,518
1927	1,149	361	247	110	100	113	2,080	29	2,109	122	2,231
1928	1,068	365	376	74	88	96	2,067	25	2,092	84	2,176
1929	1,182	414	195	88	81	87	2,047	29	2,076	111	2,187
1930	1,099	325	264	78	71	102	1,939	11	1,950	113	2,063
Average	1,142	380	301	89	88	100	2,100	25	2,125	110	2,235
1931	858	237	88	40	65	67	1,355	23	1,378	85	1,463
1932	627	179	169	36	47	57	1,115	15	1,130	77	1,207
1933	577	194	40	34	53	62	960	16	976	88	1,064
1934	689	197	52	36	56	89	1,119	13	1,132	94	1,226
1935	664	228	49	50	45	85	1,121	23	1,144	98	1,242
Average	683	207	80	39	53	72	1,134	17	1,151	89	1,240
1936	744	228	57	51	52	107	1,239	17	1,256	86	1,342
1937	726	275	116	45	56	80	1,298	20	1,318	95	1,413
1938	602	165	104	34	40	70	1,015	12	1,027	78	1,105
1939	621	182	46	32	51	71	1,003	11	1,014	64	1,078
1940	625	228	297	36	37	70	1,293	15	1,308	80	1,388
Average	663	216	124	40	47	79	1,169	16	1,185	80	1,265

NOTE: Beginning with 1941, the cause classification in this historical series is changed as follows: (1) Fatalities in shafts and slopes have been included in "Underground workings" and are distributed according to the specified causes; prior to 1941 these deaths were grouped and shown as "Shaft and slope." (2) Fatalities from underground machinery accidents are grouped and shown separately; prior to 1941 such deaths were included in "All other underground." (3) Fatalities from roof or face falls caused by haulage equipment or machinery knocking out roof-support have been included in the respective haulage or machinery classifications; prior to 1941 such deaths were included in "Falls of roof and face." (4) Fatalities from pressure bumps and bursts and from inrush of water or material are included in "All other underground;" prior to 1941 such deaths were included in "Falls of roof and face."

Year	Underground workings								Surface ^{2/}	Grand total
	Falls of roof and face	Haulage	Gas or dust explosions	Explosives	Electricity	Machinery	All other underground	Total		
1941	643	233	97	36	47	39	71	1,166	100	1,266
1942	702	291	157	29	57	50	67	1,353	118	1,471
1943	665	289	181	36	35	34	87	1,327	124	1,451
1944	619	263	36	37	30	49	132	1,166	132	1,298
1945	491	241	76	34	21	41	56	960	108	1,068
Average	624	263	110	34	38	43	83	1,195	116	1,311

See footnotes at end of table.

TABLE 55. - All coal mines: Fatalities, by principal cause of injury, 1906-75 ^{1/} - Continued

Year	Underground workings								Surface ^{2/}	Grand total
	Falls of roof and face	Haulage	Gas or dust explosions	Explosives	Electricity	Machinery	All other underground	Total		
1946-----	513	195	29	20	20	35	51	863	105	968
1947-----	510	230	189	30	24	23	41	1,047	111	1,158
1948-----	508	196	46	29	20	23	58	880	119	999
1949-----	311	122	8	17	10	21	19	508	77	585
1950-----	348	128	8	15	12	19	17	547	96	643
Average-----	438	174	56	22	17	24	38	769	101	870
1951-----	327	129	162	12	19	28	30	707	78	785
1952-----	264	128	15	9	10	17	31	474	74	548
1953-----	263	83	14	5	14	16	16	409	52	461
1954-----	204	77	18	5	12	16	10	342	54	396
1955-----	217	77	4	12	15	16	11	352	68	420
Average-----	255	99	43	8	14	19	19	457	65	522
1956-----	239	79	9	9	16	18	20	390	58	448
1957-----	228	61	66	11	12	18	28	424	54	478
1958-----	176	46	42	8	14	13	16	315	3/ 43	358
1959-----	153	45	10	6	7	13	17	251	42	293
1960-----	163	42	3	4	18	14	30	274	51	325
Average-----	192	55	25	8	14	15	22	331	49	380
1961-----	144	44	26	5	12	13	12	256	38	294
1962-----	113	45	52	4	6	16	8	244	45	289
1963-----	136	39	36	5	5	14	10	245	39	284
1964-----	123	47	6	4	5	17	8	210	32	242
1965-----	131	35	19	1	4	14	19	223	36	259
Average-----	130	43	28	3	6	15	11	236	38	274
1966-----	115	40	10	3	2	12	12	194	39	233
1967-----	101	29	12	2	10	15	5	174	48	222
1968-----	99	31	88	2	17	15	16	268	43	311
1969-----	78	33	1	1	7	18	11	149	54	203
1970-----	84	37	41	3	11	26	4	206	54	260
Average-----	96	34	30	2	9	17	10	198	48	246
1971-----	61	35	2	2	13	21	7	141	40	181
1972-----	50	37	5	2	2	14	12	122	34	156
1973-----	45	30	2	1	5	15	1	99	33	132
1974-----	47	15	-	1	4	17	6	90	43	133
1975-----	53	20	-	-	8	16	2	99	56	155
Average-----	51	27	2	1	6	17	6	110	41	151

1/ Figures for 1906-09 cover only those States that maintained complete records of fatal injuries. These represented 98 to 99 percent of the total production of coal in the United States. Figures for 1910 to date represent the entire coal industry.

2/ Includes fatalities that occurred at all other work locations, including the associated surface works of underground mines, strip mines, culm banks, dredges, and mechanical-cleaning plants; beginning with 1955, includes fatalities in auger mines.

3/ Includes one surface fatality resulting from a fall of roof underground in a bituminous coal mine in Kentucky, 1958.

TABLE 56. - Bituminous coal mines: Percentage distribution of fatalities,
by principal cause of injury, 1906-75 ^{1/}

Year	Underground workings									Surface 2/	Grand total
	Falls of roof and face	Haulage	Gas or dust ex- plosions	Explo- sives	Elec- tricity	All other under- ground	Total under- ground	Shaft and slope	Total		
1906-----	52.2	12.1	13.9	7.3	3.3	1.7	90.5	4.6	95.1	4.9	100.0
1907-----	36.0	10.3	36.0	5.2	1.9	3.9	93.3	2.3	95.6	4.4	100.0
1908-----	46.9	13.0	18.1	6.1	3.0	5.5	92.6	3.0	95.6	4.4	100.0
1909-----	47.0	11.6	12.7	5.9	2.5	15.0	96.7	1.8	96.5	3.5	100.0
1910-----	47.8	13.3	21.5	5.1	3.4	2.1	93.2	2.7	95.9	4.1	100.0
Average-----	45.3	11.9	21.5	5.8	2.8	5.7	93.0	2.8	95.8	4.2	100.0
1911-----	51.5	15.0	16.9	3.7	4.7	2.2	94.0	1.6	95.6	4.4	100.0
1912-----	51.9	16.3	14.0	3.9	4.1	2.4	92.6	2.1	94.7	5.3	100.0
1913-----	46.5	15.9	21.4	2.9	3.6	3.8	94.1	1.5	95.6	4.4	100.0
1914-----	48.6	16.6	16.4	3.0	4.6	3.0	92.2	2.2	94.4	5.6	100.0
1915-----	48.6	16.0	16.0	4.5	5.1	2.1	92.3	1.8	94.1	5.9	100.0
Average-----	49.3	16.0	17.1	3.5	4.4	2.8	93.1	1.8	94.9	5.1	100.0
1916-----	50.9	19.7	11.0	3.6	4.8	2.9	92.9	2.1	95.0	5.0	100.0
1917-----	45.7	20.5	15.1	2.6	3.6	2.8	90.3	2.0	92.3	7.7	100.0
1918-----	51.8	22.0	5.1	4.2	3.8	3.7	90.6	2.1	92.7	7.3	100.0
1919-----	52.0	18.4	8.8	3.4	3.8	4.7	91.1	2.3	93.4	6.6	100.0
1920-----	52.6	19.2	7.0	4.6	3.9	4.1	91.4	1.9	93.3	6.7	100.0
Average-----	50.4	20.0	9.5	3.7	4.0	3.6	91.2	2.0	93.2	6.8	100.0
1921-----	54.0	19.0	4.3	5.1	5.2	4.9	92.5	1.8	94.3	5.7	100.0
1922-----	46.3	17.0	17.7	3.3	4.2	3.3	91.8	2.1	93.9	6.1	100.0
1923-----	48.5	17.8	16.9	3.3	3.6	3.3	93.4	1.6	95.0	5.0	100.0
1924-----	44.4	15.7	25.5	2.4	3.8	2.9	94.7	.9	95.6	4.4	100.0
1925-----	49.6	16.9	16.5	2.7	4.4	4.1	94.2	1.6	95.8	4.2	100.0
Average-----	48.3	17.1	16.8	3.3	4.2	3.7	93.4	1.6	95.0	5.0	100.0
1926-----	48.1	18.6	18.1	2.2	4.6	3.0	94.6	1.3	95.9	4.1	100.0
1927-----	53.1	17.7	10.7	2.8	5.4	4.0	93.7	1.2	94.9	5.1	100.0
1928-----	47.7	18.1	20.1	2.4	4.7	3.1	96.1	.8	96.9	3.1	100.0
1929-----	54.1	20.5	9.9	2.6	4.4	3.2	94.7	1.0	95.7	4.3	100.0
1930-----	52.9	17.6	14.4	1.9	3.9	4.2	94.9	.6	95.5	4.5	100.0
Average-----	51.0	18.5	14.8	2.4	4.6	3.5	94.8	1.0	95.8	4.2	100.0
1931-----	57.8	18.0	6.3	1.4	5.7	4.0	93.2	1.8	95.0	5.0	100.0
1932-----	48.7	15.2	16.9	2.2	4.4	4.7	92.1	1.3	93.4	6.6	100.0
1933-----	55.0	19.4	3.3	2.9	5.5	5.4	91.5	1.2	92.7	7.3	100.0
1934-----	56.3	17.5	4.2	2.2	5.5	6.7	92.4	.9	93.3	6.7	100.0
1935-----	54.1	20.5	2.7	3.2	4.4	7.2	92.1	1.4	93.5	6.5	100.0
Average-----	54.4	18.2	6.8	2.3	5.1	5.6	92.4	1.2	93.6	6.4	100.0
1936-----	56.8	18.4	3.8	2.8	4.0	7.4	93.2	1.0	94.2	5.8	100.0
1937-----	50.6	20.4	9.7	2.6	4.3	5.3	92.9	1.3	94.2	5.8	100.0
1938-----	53.9	16.1	9.6	2.6	4.3	6.0	92.5	1.0	93.5	6.5	100.0
1939-----	57.7	17.9	4.9	1.7	5.7	6.4	94.3	.6	94.9	5.1	100.0
1940-----	43.2	15.9	24.3	2.3	2.5	5.2	93.4	1.0	94.4	5.6	100.0
Average-----	51.9	17.8	11.0	2.5	4.0	6.0	93.2	1.1	94.3	5.7	100.0

NOTE: Beginning with 1941, the cause classification in this historical series is changed as follows: (1) Fatalities in shafts and slopes have been included in "Underground workings" and are distributed according to the specified causes; prior to 1941 these deaths were grouped and shown as "Shaft and slope." (2) Fatalities from underground machinery accidents are grouped and shown separately; prior to 1941 such deaths were included in "All other underground." (3) Fatalities from roof or face falls caused by haulage equipment or machinery knocking out roof-support have been included in the respective haulage or machinery classifications; prior to 1941 such deaths were included in "Falls of roof and face." (4) Fatalities from pressure bumps and bursts and from inrush of water or material are included in "All other underground;" prior to 1941 such deaths were included in "Falls of roof and face."

Year	Underground workings								Surface 1/	Grand total
	Falls of roof and face	Haulage	Gas or dust ex- plosions	Explo- sives	Elec- tricity	Machinery	All other under- ground	Total		
1941-----	51.5	19.2	8.3	2.2	3.9	3.7	3.9	92.7	7.3	100.0
1942-----	46.5	20.3	11.9	1.3	4.1	3.9	3.8	91.8	8.2	100.0
1943-----	45.8	20.6	13.6	2.2	2.7	2.5	4.8	92.2	7.8	100.0
1944-----	49.0	21.3	2.8	1.9	2.4	4.4	8.5	90.3	9.7	100.0
1945-----	46.4	23.3	7.8	2.5	2.2	4.3	3.3	89.8	10.2	100.0
Average-----	47.8	20.8	9.1	2.0	3.1	3.8	4.9	91.5	8.5	100.0

See footnotes at end of table.

TABLE 56. - Bituminous coal mines: Percentage distribution of fatalities,
by principal cause of injury, 1906-75 ^{1/} - Continued

Year	Underground workings								Surface 2/	Grand total
	Falls of roof and face	Haulage	Gas or dust ex- plosions	Explo- sives	Elec- tricity	Machinery	All other under- ground	Total		
1946-----	52.8	21.6	3.4	1.5	2.1	4.3	3.7	89.4	10.6	100.0
1947-----	44.1	21.6	15.6	2.3	2.0	2.4	2.8	90.8	9.2	100.0
1948-----	49.9	21.1	5.1	2.6	2.2	2.5	4.9	88.3	11.7	100.0
1949-----	52.4	21.9	.6	2.8	2.0	4.3	2.0	86.0	14.0	100.0
1950-----	53.8	22.0	.6	1.8	2.0	3.5	1.6	85.3	14.7	100.0
Average-----	49.9	21.6	6.2	2.2	2.0	3.3	3.3	88.5	11.5	100.0
1951-----	41.5	16.4	22.4	1.0	2.6	4.0	2.5	90.4	9.6	100.0
1952-----	50.8	24.2	2.5	1.1	2.2	3.3	2.5	86.6	13.4	100.0
1953-----	55.7	20.4	2.3	1.0	3.0	3.5	2.0	87.9	12.1	100.0
1954-----	50.3	20.6	5.1	1.5	3.3	4.8	1.5	87.1	12.9	100.0
1955-----	51.6	19.2	.6	2.8	4.2	4.4	1.4	84.2	15.8	100.0
Average-----	48.8	19.8	8.8	1.4	2.9	4.0	2.0	87.7	12.3	100.0
1956-----	53.0	18.6	1.3	2.0	3.6	4.6	4.1	87.2	12.8	100.0
1957-----	46.4	13.1	14.8	1.6	2.6	4.2	5.1	87.8	12.2	100.0
1958-----	48.1	14.1	12.6	2.1	4.3	3.7	3.7	88.6	11.4	100.0
1959-----	54.9	15.0	4.1	1.6	2.9	5.3	1.6	85.4	14.6	100.0
1960-----	50.0	13.1	1.0	1.0	6.2	4.9	8.6	84.8	15.2	100.0
Average-----	50.3	14.9	7.1	1.8	3.9	4.5	4.7	87.2	12.8	100.0
1961-----	49.0	14.9	9.5	1.4	4.4	4.4	4.4	88.0	12.0	100.0
1962-----	39.9	16.3	19.8	1.5	2.3	6.1	-	85.9	14.1	100.0
1963-----	48.8	14.7	12.3	.8	2.0	5.5	2.4	86.5	13.5	100.0
1964-----	52.2	19.3	1.4	.5	2.3	7.8	2.7	86.2	13.8	100.0
1965-----	50.2	13.5	7.6	.4	1.6	5.6	6.8	85.7	14.3	100.0
Average-----	48.0	15.9	10.3	.8	2.4	5.9	3.2	86.5	13.5	100.0
1966-----	48.5	17.6	4.4	1.3	.9	5.3	5.3	83.3	16.7	100.0
1967-----	44.1	13.6	5.6	.9	4.7	6.6	2.4	77.9	22.1	100.0
1968-----	31.9	10.1	28.7	.7	5.5	4.9	5.2	87.0	13.0	100.0
1969-----	40.5	16.8	-	.5	3.7	9.5	3.7	74.7	25.3	100.0
1970-----	32.9	14.5	16.1	.8	4.3	10.2	1.6	80.4	19.6	100.0
Average-----	38.9	14.2	12.6	.8	3.8	7.1	3.8	81.2	18.8	100.0
1971-----	34.1	19.9	1.1	1.1	7.4	11.9	4.0	79.5	20.5	100.0
1972-----	32.0	24.2	3.3	1.3	1.3	9.2	7.8	79.1	20.9	100.0
1973-----	33.5	22.9	1.5	.8	3.8	11.5	.8	74.8	25.2	100.0
1974-----	35.8	11.5	-	-	3.1	12.9	4.6	67.9	32.1	100.0
1975-----	34.6	13.1	-	-	5.2	10.5	1.3	64.7	35.3	100.0
Average-----	34.0	18.3	1.2	.6	4.2	11.2	3.7	73.2	26.8	100.0

1/ Figures for 1906-09 cover only those States that maintained complete records of fatal injuries. These represented 98 to 99 percent of the total production of coal in the United States. Figures for 1910 to date represent the entire bituminous coal industry.

2/ Includes fatalities that occurred at all other work locations, including the associated surface works of underground mines, strip mines, and mechanical-cleaning plants; beginning with 1955, includes fatalities in auger mines.

TABLE 57. - Pennsylvania anthracite mines: Percentage distribution of fatalities,
by principal cause of injury, 1906-75

Year	Underground workings									Surface 1/	Grand total
	Falls of roof and face	Haulage	Gas or dust ex- plosions	Explo- sives	Elec- tricity	All other under- ground	Total under- ground	Shaft and slope	Total		
1906	38.4	12.0	8.3	14.7	0.2	4.9	78.5	3.4	81.9	18.1	100.0
1907	41.5	12.4	6.4	12.3	.4	8.1	81.1	3.8	84.9	15.1	100.0
1908	44.1	13.3	8.1	13.9	.1	4.9	84.4	3.5	87.9	12.1	100.0
1909	44.8	12.5	5.5	12.2	1.1	8.6	84.7	1.7	86.4	13.6	100.0
1910	42.1	15.5	3.3	13.7	.5	6.3	81.4	3.3	84.7	15.3	100.0
Average	42.1	13.2	6.3	13.3	.5	6.6	82.0	3.2	85.2	14.8	100.0
1911	36.1	13.2	4.9	12.6	.2	18.0	85.0	3.0	88.0	12.0	100.0
1912	40.4	13.2	5.8	12.8	.8	6.2	79.2	3.7	82.9	17.1	100.0
1913	41.6	13.8	8.1	12.1	.1	8.9	84.6	4.9	89.5	10.5	100.0
1914	38.3	12.8	7.4	15.1	.5	7.6	81.7	7.9	89.6	10.4	100.0
1915	44.5	13.7	5.8	13.5	.7	9.9	88.1	1.7	89.8	10.2	100.0
Average	40.0	13.4	6.3	13.2	.5	10.3	83.7	4.2	87.9	12.1	100.0
1916	38.7	11.5	7.8	15.5	1.6	10.3	85.4	2.7	88.1	11.9	100.0
1917	45.5	11.0	7.0	9.5	.5	6.7	80.2	2.8	83.0	17.0	100.0
1918	43.9	12.0	4.7	9.1	2.0	8.5	80.2	2.0	82.2	17.8	100.0
1919	36.1	11.5	6.6	23.5	.6	7.7	86.0	2.0	88.0	12.0	100.0
1920	40.1	13.5	7.3	10.0	1.2	8.1	80.2	4.5	84.7	15.3	100.0
Average	40.7	11.9	6.7	14.0	1.1	8.2	82.6	2.7	85.3	14.7	100.0
1921	44.4	12.8	11.7	12.4	.7	9.2	91.2	2.0	93.2	6.8	100.0
1922	42.7	19.3	4.3	12.7	1.0	6.3	86.3	1.7	88.0	12.0	100.0
1923	43.0	14.3	8.3	9.6	1.0	8.9	85.1	2.9	88.0	12.0	100.0
1924	43.5	11.7	10.1	10.7	1.6	9.1	86.7	2.4	89.1	10.9	100.0
1925	42.5	14.0	10.8	13.2	1.0	5.0	86.5	1.0	87.5	12.5	100.0
Average	43.3	14.0	9.3	11.6	1.1	8.0	87.3	2.3	89.6	10.4	100.0
1926	48.6	11.5	10.8	11.0	.4	8.6	90.9	1.8	92.7	7.3	100.0
1927	46.0	10.6	12.3	12.7	1.2	8.8	91.6	1.4	93.0	7.0	100.0
1928	54.4	11.6	6.5	7.4	1.3	9.4	90.6	2.7	93.3	6.7	100.0
1929	53.9	13.5	5.6	8.9	1.2	6.5	89.6	2.5	92.1	7.9	100.0
1930	54.7	9.0	6.8	10.6	1.8	7.6	90.5	.5	91.0	9.0	100.0
Average	51.4	11.2	8.4	10.2	1.3	8.2	90.7	1.7	92.4	7.6	100.0
1931	61.1	11.2	5.2	6.6	.8	6.0	90.9	1.0	91.9	8.1	100.0
1932	64.7	13.3	2.8	6.0	2.0	4.8	93.6	.8	94.4	5.6	100.0
1933	51.5	13.9	5.6	4.3	3.0	7.4	85.7	2.6	88.3	11.7	100.0
1934	56.0	10.8	4.5	5.6	1.1	9.3	87.3	1.5	88.8	11.2	100.0
1935	51.1	11.0	8.4	6.9	.7	5.5	83.6	3.6	87.2	12.8	100.0
Average	57.3	11.8	5.3	6.1	1.4	6.4	88.3	1.7	90.0	10.0	100.0
1936	49.2	10.7	6.6	8.2	3.2	10.6	88.5	2.5	91.0	9.0	100.0
1937	55.8	14.4	-	6.5	1.9	7.4	86.0	2.4	88.4	11.6	100.0
1938	56.9	10.2	8.9	4.9	.9	7.5	89.3	1.4	90.7	9.3	100.0
1939	57.3	12.8	1.4	8.1	1.0	7.1	87.7	2.8	90.5	9.5	100.0
1940	57.1	19.6	2.7	4.3	3.8	4.3	91.8	1.7	93.5	6.5	100.0
Average	54.6	13.4	4.2	6.5	2.3	7.4	88.4	2.3	90.7	9.3	100.0

NOTE: Beginning with 1941, the cause classification in this historical series is changed as follows: (1) Fatalities in shafts and slopes have been included in "Underground workings" and are distributed according to the specified causes; prior to 1941 these deaths were grouped and shown as "Shaft and slope." (2) Fatalities from underground machinery accidents are grouped and shown separately; prior to 1941 such deaths were included in "All other underground." (3) Fatalities from roof or face falls caused by haulage equipment or machinery knocking out roof-support have been included in the respective haulage or machinery classifications; prior to 1941 such deaths were included in "Falls of roof and face." (4) Fatalities from pressure bumps and bursts and from inrush of water or material are included in "All other underground;" prior to 1941 such deaths were included in "Falls of roof and face."

Year	Underground workings								Surface 1/	Grand total
	Falls of roof and face	Haulage	Gas or dust ex- plosions	Explo- sives	Elec- tricity	Machinery	All other under- ground	Total		
1941	46.9	13.9	4.1	6.2	2.6	-	15.0	88.7	11.3	100.0
1942	54.4	16.8	4.0	5.8	2.7	0.4	8.8	92.9	7.1	100.0
1943	46.0	15.9	6.6	4.0	.9	1.4	12.4	87.2	12.8	100.0
1944	39.1	13.8	2.3	9.2	1.7	-	20.7	86.8	13.2	100.0
1945	43.3	17.5	2.8	7.7	.7	-	17.5	90.2	9.8	100.0
Average	46.6	15.6	4.1	6.2	1.6	.5	14.5	89.1	10.9	100.0

See footnote at end of table.

TABLE 57. - Pennsylvania anthracite mines: Percentage distribution of fatalities,
by principal cause of injury, 1906-75 - Continued

Year	Underground workings								Surface 1/	Grand total
	Falls of roof and face	Haulage	Gas or dust ex- plosions	Explo- sives	Elec- tricity	Machinery	All other under- ground	Total		
1946	53.8	13.3	1.2	4.6	1.7	0.6	12.7	87.9	12.1	100.0
1947	43.9	9.8	20.2	4.1	2.3	-	8.1	88.4	11.6	100.0
1948	57.0	10.2	1.5	5.1	.7	.7	11.7	86.9	13.1	100.0
1949	57.1	15.4	5.5	3.3	-	-	9.9	91.2	8.8	100.0
1950	55.9	7.5	5.4	5.4	1.1	-	8.6	83.9	16.1	100.0
Average	52.7	11.3	7.5	4.5	1.5	(2/)	10.5	88.0	12.0	100.0
1951	42.6	16.8	8.9	5.0	1.0	1.0	12.8	88.1	11.9	100.0
1952	36.3	19.2	4.1	4.1	-	2.0	20.2	85.9	14.1	100.0
1953	65.7	3.1	7.8	1.6	3.1	-	12.5	93.8	6.2	100.0
1954	58.1	12.9	1.6	-	1.6	-	8.1	82.3	17.7	100.0
1955	51.7	13.4	3.3	3.3	-	-	10.0	81.7	18.3	100.0
Average	49.3	14.3	5.2	2.6	1.3	1.3	13.0	87.0	13.0	100.0
1956	55.4	10.7	7.1	1.8	3.6	-	7.1	85.7	14.3	100.0
1957	58.8	9.8	5.9	7.8	2.0	-	11.8	96.1	3.9	100.0
1958	59.4	-	3.1	3.1	-	3.1	12.5	81.2	18.8	100.0
1959	38.3	17.0	-	4.3	-	-	27.6	87.2	12.8	100.0
1960	51.4	11.5	-	2.8	-	-	14.3	80.0	20.0	100.0
Average	52.3	11.4	4.5	4.5	(2/)	(2/)	13.7	86.4	13.6	100.0
1961	47.3	15.8	-	5.3	-	5.3	-	73.7	26.3	100.0
1962	30.8	7.6	-	-	-	-	30.8	69.2	30.8	100.0
1963	40.6	6.3	15.6	9.4	-	-	12.5	84.4	15.6	100.0
1964	37.5	20.9	12.5	12.5	-	-	8.3	91.7	8.3	100.0
1965	62.5	12.5	-	-	-	-	25.0	100.0	-	100.0
Average	40.9	13.6	9.1	4.6	-	(2/)	13.6	81.8	18.2	100.0
1966	83.3	-	-	-	-	-	-	83.3	16.7	100.0
1967	77.8	-	-	-	-	11.1	-	88.9	11.1	100.0
1968	25.0	-	-	-	-	-	-	25.0	75.0	100.0
1969	7.7	7.7	-	-	-	-	30.7	53.8	46.2	100.0
1970	-	-	-	20.0	-	-	-	20.0	80.0	100.0
Average	42.8	(2/)	(2/)	(2/)	-	(2/)	14.4	57.2	42.8	100.0
1971	20.0	-	-	-	-	-	-	20.0	80.0	100.0
1972	33.3	-	-	-	-	-	-	33.3	66.7	100.0
1973	100.0	-	-	-	-	-	-	100.0	-	100.0
1974	-	-	-	50.0	-	-	-	50.0	50.0	100.0
1975	-	-	-	-	-	-	-	-	100.0	100.0
Average	30.7	-	-	10.0	-	-	-	40.7	59.3	100.0

1/ Includes strip mines, culm banks, dredges, and mechanical-cleaning plants.

2/ Less than 0.05.