

MINING FACTS — 2006

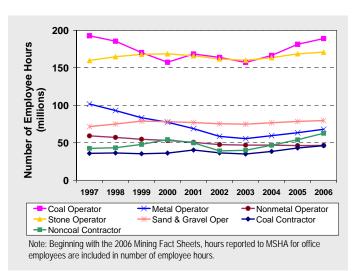
Mining Operations

In 2006, 14,885 mining operations reported employment data to the Mine Safety and Health Administration (MSHA).¹ Almost half (48.2%) were sand and gravel mines, followed by stone mines (30.7%), coal mines (14.2%), nonmetal mines (5.0%), and metal mines (1.9%).

Employees

There were 270,270 mine operator employees,² or 276,886 full-time equivalent (FTE)³ workers. For mine operators, 18.7% of the employee hours were for underground work locations, while 81.3% of the employee hours were for surface work locations.⁴

Of the 93,227 independent contractor employees (or 54,372 FTE workers), 40.0% were coal contractor employees and 60.0% were noncoal contractor employees.

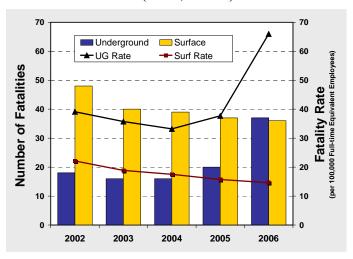


Fatalities

In 2006, there were 73 occupational mining fatalities, compared to 57 in 2005. The overall fatality rate was 24.2 per 100,000 FTE workers.

- The fatality rate for mine operator employees was 24.4 per 100,000 FTE workers (n=61; 83.6%), while the rate for contractor employees was 23.2 (n=12; 16.4%).
- Coal operators had the highest fatality rate (46.2), followed by noncoal contractors (23.6), coal contractors (22.7), and sand and gravel operators (17.2) per 100,000 FTE workers.

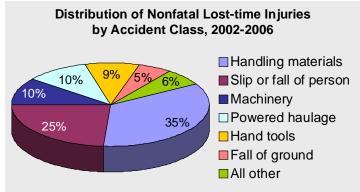
• The fatality rate at underground work locations was 66.0 per 100,000 FTE workers (n=37; 50.7%) compared to the lower rate at surface locations of 14.6 (n=36; 49.3%).



Nonfatal Lost-time Injuries

There were 7,988 nonfatal lost-time injuries reported to MSHA in 2006 (2,739 at underground and 5,249 at surface work locations). These injuries occurred at a rate of 2.6 per 100 FTE workers and resulted in a total of 439,742 days lost from work.⁵

- The underground nonfatal lost-time injury rate was greater than the surface injury rate (4.9 vs. 2.1 per 100 FTE workers).
- The back continued to be the most frequently reported body part injured, accounting for 1,484 nonfatal lost-time injuries, 83,719 days lost from work, and 19.0% of all days lost.
- Sprains and strains were the most frequently reported nature of injury (n=3,435; 43.0%).



Note: "Fall of ground" includes MSHA's Accident/Injury/Illness classification for fall of face, rib, pillar, side, or highwall (from in place); fall of roof, back, or brow (from in place); and underground machinery cases when the source of injury was caving rock, coal, ore, or waste.





Mine and Employment Characteristics, 2006 Number of Employees² Number of Mining Operations¹ Number of FTE Employees³ Commodity and Underground Surface Underground Surface Total Underground Surface Type of Employer Total Coal Operator 47,440 675 1,438 2,113 38,253 85.693 42,598 51,897 94,495 Metal Operator 92 188 280 4,539 28,335 32,874 4,575 29,397 33,972 Nonmetal Operator 695 741 2,374 20,677 23,051 2,415 20,806 23,221 46 Stone Operator 4,573 1,877 80,706 82,583 2,154 83,247 85,402 122 4,451 7,178 Sand and Gravel Operator NA 7,178 NA 46.069 46.069 NA 39.796 39.796 **Operator Total** 935 13,950 14,885 47,043 223,227 270,270 51,742 225,144 276,886 **Number of Companies** Coal Contractor NA 2,724 37,282 2,903 23,078 NA 4,762 32,520 20,175 4.686 54,130 55.945 1.401 29.893 31.294 Noncoal Contractor NA NA 1,815

Mining Occupational Fatalities and Injuries, 2006

6,577

53.620

86.650

309,877

93,227

363,497

4,304

56.046

50,068

275,212

54,372

331,258

	Occupational Fatalities (per 100,000 FTE employees)						Nonfatal Lost-time Injuries (per 100 FTE employees)					
Commodity and Type of Employer	Underground		Surface		Total		Underground		Surface		Total	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Coal Operator	36	84.5	6	12.4	42	46.2	2,218	5.2	803	1.7	3,021	3.3
Metal Operator	0	0.0	3	11.9	3	10.1	141	3.1	524	2.1	665	2.2
Nonmetal Operator	0	0.0	0	0.0	0	0.0	73	3.0	344	2.0	417	2.1
Stone Operator	0	0.0	10	13.8	10	13.4	43	2.0	2,038	2.8	2,081	2.8
Sand and Gravel Operator	NA	NA	6	17.2	6	17.2	NA	NA	795	2.3	795	2.3
Operator Total	36	69.6	25	12.6	61	24.4	2,475	4.8	4,504	2.3	6,979	2.8
Coal Contractor	1	34.4	4	20.9	5	22.7	215	7.4	342	1.8	557	2.5
Noncoal Contractor	0	0.0	7	24.8	7	23.6	49	3.5	403	1.4	452	1.5
Contractor Total	1	23.2	11	23.2	12	23.2	264	6.1	745	1.6	1,009	2.0
TOTAL	37	66.0	36	14.6	73	24.2	2,739	4.9	5,249	2.1	7,988	2.6

NA Not applicable.

Contractor Total

TOTAL

NA

NA

7,410

Data source: Publicly released data files of employment and accident/injury/illness collected by MSHA under 30 CFR 50.

Notes: All analyses of accident data exclude office employees. Occupational fatalities exclude all cases under 17 years of age. Further statistical methodology is available on the NIOSH Internet [http://www.cdc.gov/niosh/mining/statistics/method.htm].

To receive NIOSH documents or for more information about occupational safety and health topics, contact NIOSH at

1–800–CDC–INFO (1–800–232–4636)

1-888-232-6348 (TTY) e-mail: cdcinfo@cdc.gov

or visit the NIOSH Web site at http://www.cdc.gov/niosh

¹Mines at which only independent contractors were working did not show any employment and were not counted.

²Number of employees is the average number of employees working at individual mines during calendar quarters of active operations.

³Full-time equivalent employees computed using reported employee hours (2,000 hours = 1 FTE).

⁴Surface work locations include surface operations at underground mines, surface operations (strip or open pit), auger, culm banks, dredge, other surface operations, independent shops and yards, and mills or preparation plants.

⁵Includes actual days away from work and/or days of restricted work activity. For permanently disabling injuries only, statutory days charged by MSHA were used if they exceeded the total lost workdays.