



METAL OPERATOR MINING FACTS – 2005

Mining Operations

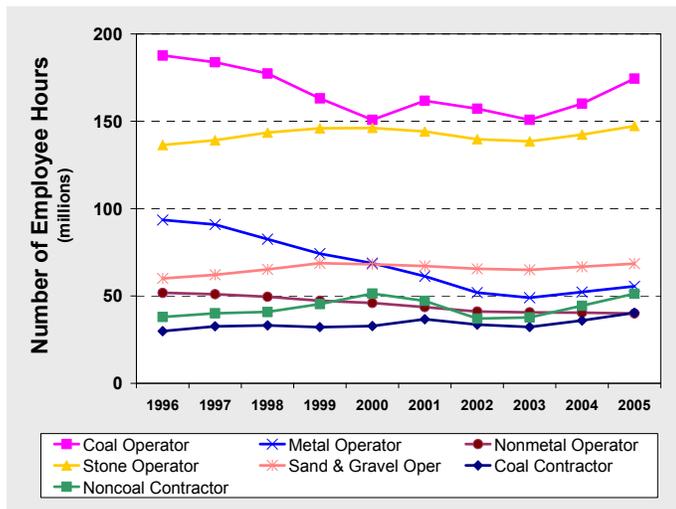
In 2005, a total of 263 metal mining operations reported employment to the Mine Safety and Health Administration (MSHA). Metal mines were the smallest mining commodity sector, comprising 1.8% of all mining operations.

- Gold mines comprised 46.0% (n=121) of all metal mining operations. Other common types of metal mines were iron ore (n=32; 12.2%), copper ore (n=31; 11.8%), and lead and/or zinc ore (n=16; 6.1%).
- Nevada had the largest number of metal mines (n=52; 19.8%), followed by Alaska (n=27; 10.3%).

Employees

A total of 26,442 employees, ¹ corresponding to 27,773 full-time equivalent (FTE) ² employees, were reported by metal mine operators.

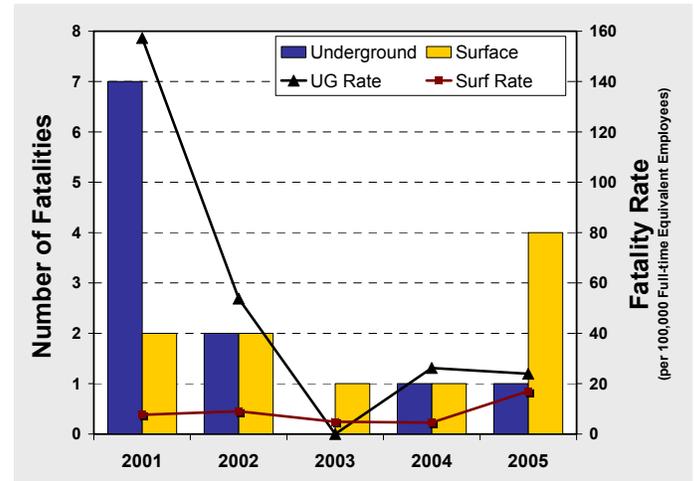
- Within the mining sectors, ³ metal mine operator employees accounted for 9.6% of all employee hours reported to MSHA.
- Metal operator employee hours were reported for both underground (15.1%) and surface (84.9%) work locations. ⁴



Fatalities

Five occupational fatalities occurred among metal mine operator employees in 2005, compared to two fatalities in 2004.

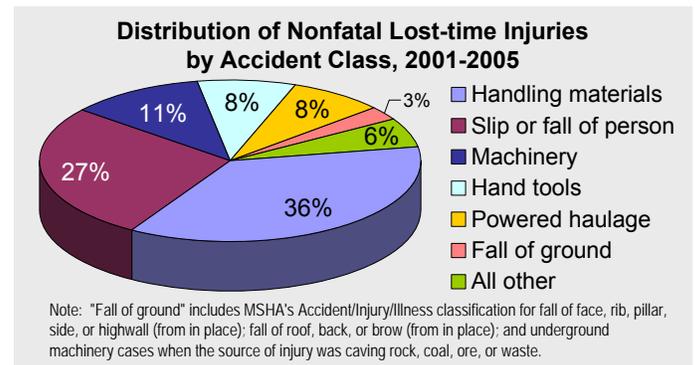
- The metal mine operator fatality rate was 18.0 fatalities per 100,000 FTE employees.



Nonfatal Lost-time Injuries

There were 678 nonfatal lost-time injuries (154 at underground and 524 at surface work locations) among metal operator employees occurring at a rate of 2.4 injuries per 100 FTE employees. A total of 25,843 days lost ⁵ from work resulted from these injuries.

- The underground nonfatal lost-time injury rate was greater than the surface injury rate (3.7 vs. 2.2 per 100 FTE workers).
- The most frequent classification of nonfatal lost-time injuries for metal operator employees involved handling materials (n=231; 34.1%).
- Sprains and strains were the most frequently reported nature of injury (n=347; 51.2%).
- The back was the most frequently reported body part injured (n=116; 17.1%) and accounted for 3,492 days lost from work.



Mining Characteristics, 2005

Commodity and Type of Employer	No. of Mines	No. of Companies	No. of Employees ¹	No. of FTE Employees ²	Fatality Rate	Nonfatal Lost-time Injury Rate
Coal Operator	2,063	--	78,281	87,184	19.5	3.5
Metal Operator	263	--	26,442	27,773	18.0	2.4
Nonmetal Operator	739	--	19,678	20,014	20.0	2.5
Stone Operator	4,490	--	69,759	73,650	20.4	3.1
Sand and Gravel Operator	7,111	--	37,705	34,258	26.3	2.5
Operator Total	14,666	--	231,865	242,879	20.6	3.0
Coal Contractor	--	2,503	32,639	20,136	24.8	2.7
Noncoal Contractor	--	4,297	46,623	25,590	7.8	1.6
Contractor Total	--	6,800	79,262	45,726	15.3	2.1
TOTAL			311,127	288,605	19.8	2.9

Fatality rates were computed per 100,000 FTE employees. Nonfatal lost-time injury rates were computed per 100 FTE employees.

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

Notes: All analyses exclude office employees, except for the total number of mining operations. Analyses of fatalities exclude all individuals under 17 years of age and all individuals who were not classified as employees of a mining operator or mining contractor. Further statistical methodology is available on the NIOSH Internet [<http://www.cdc.gov/niosh/mining/statistics/method.htm>].

¹Number of employees is the average number of persons working at individual establishments during calendar quarters of active operations.

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

³Mining sectors: coal operators, metal operators, nonmetal operators, stone operators, sand and gravel operators, coal contractors, and noncoal contractors.

⁴Surface work locations include surface operations at underground mines (surface shops and yards, tipples physically located at the mine site), surface operations (strip or open pit mines including associated shops and yards), dredge (mining operations conducted from a platform floating on water), other surface operations (brine pumping, etc.), independent shops and yards not associated with a specific mine, and mill or preparation plant.

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.

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