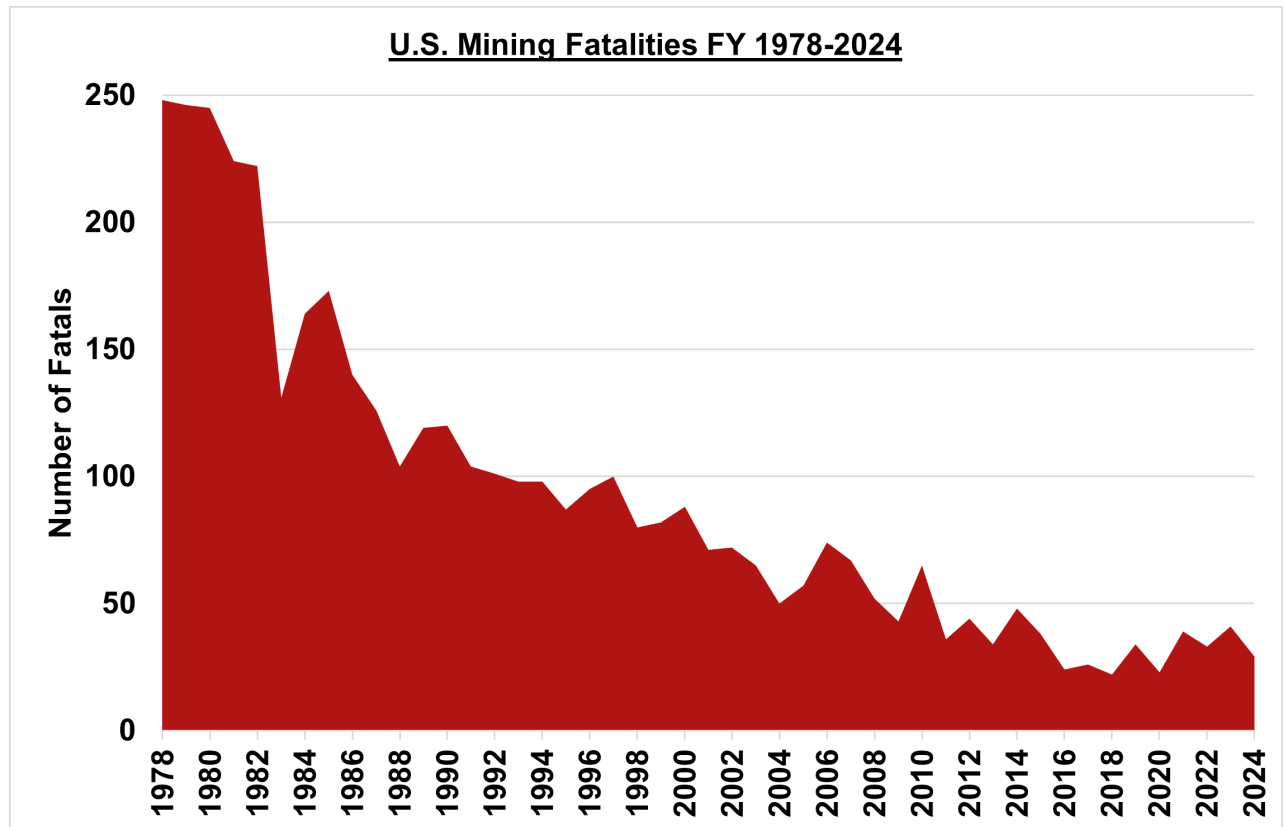


# Mine Safety and Health At a Glance

01/31/2025

U.S. Department of Labor  
Mine Safety and Health Administration

Safety and health in America's mining industry made significant strides during the 20th century and over the last 47 years in particular. In 1978, the first year the Mine Safety and Health Administration (MSHA) operated under the new Federal Mine Safety and Health Act of 1977, 242 miners died in mining accidents. MSHA continues to work to reduce injuries, illnesses and death through strong enforcement as well as active outreach, education and training, and technical support to the mining industry.



## **All Mine Safety and Health**

**FY**

	2018	2019	2020	2021	2022	2023	2024
Number of Mines	13,164	13,105	12,920	12,687	12,702	12,739	12,721
Number of Miners*	332,578	336,317	305,925	298,588	313,609	325,029	328,732
Fatalities*	22	34	23	39	33	41	31
Fatal Injury Rate <sup>1*</sup>	.0078	.0119	.0090	.0156	.0123	.0146	.0110
All Injury Rate <sup>1*</sup>	2.08	2.06	1.90	1.91	1.89	1.85	1.81
Total Mining Area Inspection Hours/Mine <sup>2</sup>	50	48	42	39	40	41	42
Citations and Orders Issued <sup>3, 4</sup>	99,597	99,541	82,781	76,993	85,719	94,079	94,622
S&S Citations and Orders (%)	20%	20%	18%	19%	19%	19%	19%
Dollar Amount Assessed (Millions) <sup>4</sup>	55.6	55.0	42.2	40.9	54.6	68.9	68.9

\*Values are all inclusive of operator and contractor employees.

## **Coal Mine Safety and Health**

**FY**

	<b><u>2018</u></b>	<b><u>2019</u></b>	<b><u>2020</u></b>	<b><u>2021</u></b>	<b><u>2022</u></b>	<b><u>2023</u></b>	<b><u>2024</u></b>
Number of Coal Mines	1,187	1,159	1,056	963	990	1,007	942
Number of Miners*	83,022	83,280	68,371	60,717	65,840	68,504	68,334
Fatalities*	9	15	3	12	12	10	11
Fatal Injury Rate <sup>1*</sup>	.0118	.0194	.0051	.0225	.0201	.0155	.0175
All Injury Rate <sup>1*</sup>	2.96	2.94	2.82	2.86	2.85	2.76	2.78
Coal Production (Millions of Tons)	757	734	567	565	596	583	525
Total Mining Area Inspection Hours/Mine <sup>2</sup>	244	241	209	204	216	221	224
Citations and Orders Issued <sup>3, 4</sup>	46,170	45,637	31,176	29,037	34,588	39,578	38,929
S&S Citations and Orders (%)	20%	20%	17%	18%	19%	19%	20%
Dollar Amount Assessed (Millions) <sup>4</sup>	30.3	29.8	18.7	16.3	24.6	31.1	33.6

\*Values are all inclusive of operator and contractor employees.

## **Metal and Nonmetal Mine Safety and Health**

**FY**

	<b><u>2018</u></b>	<b><u>2019</u></b>	<b><u>2020</u></b>	<b><u>2021</u></b>	<b><u>2022</u></b>	<b><u>2023</u></b>	<b><u>2024</u></b>
Number of Metal/Nonmetal Mines	11,977	11,946	11,864	11,724	11,712	11,732	11,779
Number of Miners*	249,556	253,037	237,554	237,871	247,769	256,525	260,398
Fatalities*	13	19	20	27	21	31	20
Fatal Injury Rate <sup>1*</sup>	.0063	.0091	.0102	.0138	.0101	.0143	.0092
All Injury Rate <sup>1*</sup>	1.75	1.74	1.63	1.65	1.61	1.58	1.53
Total Mining Area Inspection Hours/Mine <sup>2</sup>	22	22	21	20	20	20	20
Citations and Orders Issued <sup>3, 4</sup>	53,427	53,904	51,605	47,956	51,131	54,501	55,693
S&S Citations and Orders (%)	21%	20%	18%	19%	19%	19%	18%
Dollar Amount Assessed (Millions) <sup>4</sup>	25.4	25.2	23.4	24.6	29.9	37.8	35.3

\*Values are all inclusive of operator and contractor employees.

## **Mine Contractors**

**FY**

	<b><u>2018</u></b>	<b><u>2019</u></b>	<b><u>2020</u></b>	<b><u>2021</u></b>	<b><u>2022</u></b>	<b><u>2023</u></b>	<b><u>2024</u></b>
Coal Fatalities <sup>5</sup>	0	3	0	3	2	4	1
MNM Fatalities <sup>5</sup>	0	7	4	5	4	5	8
Total Fatalities <sup>5</sup>	0	10	4	8	6	9	9
Coal Fatal Injury Rate <sup>1</sup>	.0000	.0194	.0000	.0299	.0180	.0324	.0084
MNM Fatal Injury Rate <sup>1</sup>	.0000	.0186	.0120	.0144	.0099	.0115	.0188
Total Fatal Injury Rate <sup>1</sup>	.0000	.0188	.0090	.0179	.0116	.0162	.0165

1-Reported injuries per 200,000 hours worked.

2-Total Mining Area Time includes: On-site Inspection Time (M/NM), MMU Pit Time (Coal), Outby Area Time (Coal), Surface Area Time (Coal), Citation/Order writing On-Site. On-site inspection hours represent hours entered by Authorized Representatives of the Secretary (AR) for certain inspection activities and task codes.

3-Citations and orders are those not vacated.

4-Citations and Orders issued, and Dollar Amount Assessed, are based on issue date. Therefore, citation counts and dollars assessed can fluctuate, upwards or downwards, depending on the date information was pulled. For example, numbers tend to fluctuate downwards when an issued citation is either conferenced or contested and is subsequently vacated. Dollars assessed can fluctuate upwards when there is a lag time between the issuance date and the assessed date.

5-Contractor fatalities are not exclusive to those reported in the All Mine Safety and Health; Coal Mine Safety and Health; and, Metal and Nonmetal Mine Safety and Health sections of this report.

### **For more information:**

[www.msha.gov](http://www.msha.gov) - MSHA Office of Program Education and Outreach Services, (202) 693-9400