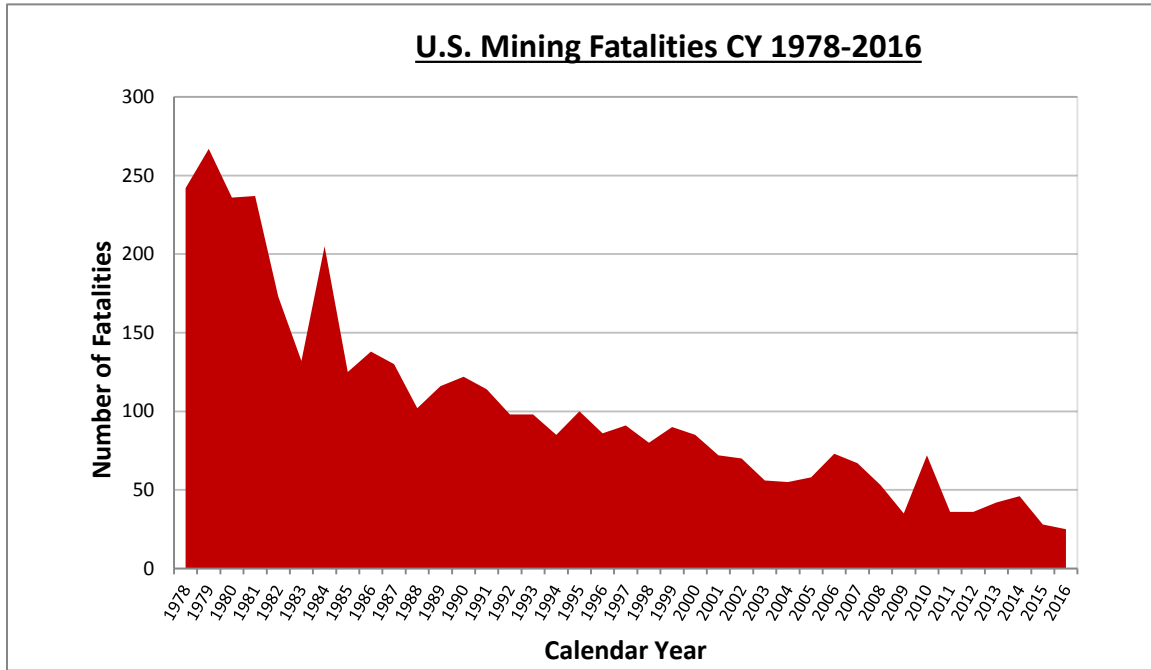


# Mine Safety and Health At a Glance

7/7/2017

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

A comparative, annualized look at the seven most recent calendar years of Coal and MNM activity, such as, employment, production, citation and assessment data. Specifically, this report covers detailed data for CY 2010-2016.



## All Mine Safety and Health

	<u>CY</u>						
	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>
Number of Mines	14,283	14,176	14,093	13,761	13,608	13,299	13,089
Number of Miners*	361,176	381,209	387,878	374,522	366,584	349,898	318,723
Fatalities*	72	36	36	42	46	29	25
Fatal Injury Rate <sup>1</sup>	.0237	.0110	.0110	.0132	.0148	.0099	.0095
All Injury Rate <sup>1</sup>	2.81	2.75	2.56	2.49	2.46	2.30	2.19
Total Mining Area Inspection Hours/Mine <sup>2</sup>	63	62	61	59	58	56	55
Citations and Orders Issued <sup>3, 4</sup>	170,064	156,360	138,934	118,140	121,120	107,790	97,255
S&S Citations and Orders (%)	32%	29%	26%	25%	24%	24%	22%
Dollar Amount Assessed (Millions) <sup>4</sup>	162.3	161.1	123.2	94.6	97.1	65.4	52.0

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

## Coal Mine Safety and Health

	<u>CY</u>						
	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>
Number of Coal Mines	1,944	1,973	1,871	1,701	1,632	1,460	1,289
Number of Miners*	135,500	143,437	137,650	123,259	116,010	102,804	81,883
Fatalities*	48	20	20	20	16	12	8
Fatal Injury Rate <sup>1*</sup>	.0384	.0148	.0159	.0176	.0150	.0131	.0115
All Injury Rate <sup>1*</sup>	3.43	3.43	3.16	3.11	3.11	2.91	2.89
States with Coal Mining	26	26	26	26	26	26	26
Coal Production (Millions of Tons)	1,086	1,095	1,018	984	1,000	897	727
Total Mining Area Inspection Hours/Mine <sup>2</sup>	259	258	250	248	252	245	246
FY Inspection Completion Rate (%)	100	100	100	100	100	100	100
Citations and Orders Issued <sup>3, 4</sup>	96,351	93,059	78,848	63,183	62,485	49,370	40,596
S&S Citations and Orders (%)	32%	31%	27%	26%	25%	23%	21%
Dollar Amount Assessed (Millions) <sup>4</sup>	110.2	119.9	89.6	65.1	63.3	37.3	25.9

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

## Metal and Nonmetal Mine Safety and Health

	<u>CY</u>						
	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>
Number of Metal/Nonmetal Mines	12,339	12,203	12,222	12,060	11,976	11,839	11,800
Number of Miners*	225,676	237,772	250,228	251,263	250,574	247,094	236,840
Fatalities*	24	16	16	22	30	17	17
Fatal Injury Rate <sup>1*</sup>	.0134	.0084	.0079	.0108	.0147	.0084	.0088
All Injury Rate <sup>1*</sup>	2.37	2.28	2.19	2.13	2.10	2.02	1.94
States with M/NM Mining	50	50	50	50	50	50	50
Total Mining Area Inspection Hours/Mine <sup>2</sup>	23	23	22	22	23	23	23
FY Inspection Completion Rate (%)	100	100	100	100	100	100	100**
Citations and Orders Issued <sup>3, 4</sup>	73,713	63,301	60,086	54,957	58,635	58,420	56,659
S&S Citations and Orders (%)	31%	26%	25%	24%	24%	24%	23%
Dollar Amount Assessed (Millions) <sup>4</sup>	52.1	41.2	33.6	29.5	33.8	28.1	26.1

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

\*\*Figure excludes regular inspections that could not be conducted because of the number of intermittent operations in MNM, where inspectors attempted but could not conduct the inspection. Therefore, MNM conducted 100% of mandatory inspections at mines available for inspection in 2016.

## Mine Contractors

	<u>CY</u>						
	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>
Coal Fatalities <sup>5</sup>	4	6	2	2	3	2	0
MNM Fatalities <sup>5</sup>	10	4	3	2	9	6	5
Total Fatalities <sup>5</sup>	14	10	5	4	12	8	5

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