

MSHA AT A GLANCE (FY 1978-2022)

All Mine Safety and Health	2016	2017	2018	2019	2020	2021	2022
Number of Mines	13,267	13,190	13,164	13,104	12,916	12,682	12,647
Number of Miners*	327,257	322,321	332,550	336,389	305,976	298,644	312,362
Fatalities*	24	26	22	34	23	38	32
Fatal Injury Rate ^{1*}	.0089	.0097	.0078	.0119	.0090	.0152	.0120
All Injury Rate ^{1*}	2.17	2.19	2.08	2.06	1.90	1.90	1.86
Total Mining Area Inspection Hours/Mine ²	52	53	50	48	42	39	40
Citations and Orders Issued ^{3, 4}	96,528	103,425	99,597	99,542	82,783	77,014	85,965
S&S Citations and Orders (%)	22%	21%	20%	20%	18%	19%	20%
Dollar Amount Assessed (Millions) ⁴	53.7	54.7	55.6	55.0	42.2	41.0	53.3

All Mine Safety and Health	2009	2010	2011	2012	2013	2014	2015
Number of Mines	14,832	14,493	14,370	14,273	14,006	13,768	13,510
Number of Miners*	371,658	358,826	380,022	393,966	378,652	372,716	359,565
Fatalities*	43	65	36	44	34	48	38
Fatal Injury Rate ^{1*}	.0140	.0219	.0112	.0133	.0106	.0154	.0126
All Injury Rate ^{1*}	3.06	2.86	2.77	2.65	2.48	2.46	2.39
Total Mining Area Inspection Hours/Mine ²	55	59	59	59	56	56	54
Citations and Orders Issued ^{3, 4}	173,725	172,088	157,627	144,934	121,979	119,839	112,342
S&S Citations and Orders (%)	28%	32%	29%	27%	25%	25%	24%
Dollar Amount Assessed (Millions) ⁴	136.9	159.7	149.6	143.6	96.0	99.0	71.6

All Mine Safety and Health	2002	2003	2004	2005	2006	2007	2008
Number of Mines	14,690	14,552	14,556	14,693	14,974	14,934	15,057
Number of Miners*	338,791	323,375	331,199	346,596	363,930	379,404	393,649
Fatalities*	72	65	50	57	74	67	52
Fatal Injury Rate ^{1*}	.0242	.0229	.0169	.0182	.0225	.0200	.0152
All Injury Rate ^{1*}	4.63	4.17	3.98	3.93	3.72	3.50	3.27
Total Mining Area Inspection Hours/Mine ²	47	47	49	45	41	40	51
Citations and Orders Issued ^{3, 4}	113,285	104,622	119,716	124,756	139,758	136,865	171,842
S&S Citations and Orders (%)	32%	31%	33%	32%	32%	30%	27%
Dollar Amount Assessed (Millions) ⁴	22.7	20.9	24.6	26.6	39.1	98.8	154.3

All Mine Safety and Health	1995	1996	1997	1998	1999	2000	2001
Number of Mines	14,059	13,714	13,749	13,946	14,189	14,527	14,685
Number of Miners*	365,375	359,270	363,809	362,420	357,016	353,422	350,575
Fatalities*	87	95	100	80	82	88	71
Fatal Injury Rate ^{1*}	.0262	.0289	.0302	.0244	.0255	.0279	.0229
All Injury Rate ^{1*}	6.46	5.83	5.57	5.57	5.17	5.07	4.86
Total Mining Area Inspection Hours/Mine ²	54	54	51	48	50	50	49
Citations and Orders Issued ^{3, 4}	127,637	108,489	113,883	119,006	113,611	118,966	124,250
S&S Citations and Orders (%)	41%	37%	36%	37%	36%	36%	34%
Dollar Amount Assessed (Millions) ⁴	22.9	17.8	19.3	25.7	26.6	25.5	22.5

All Mine Safety and Health	1988	1989	1990	1991	1992	1993	1994
Number of Mines	16,699	16,348	16,258	15,891	15,181	14,797	14,442
Number of Miners*	395,436	400,537	406,198	395,900	383,617	368,323	369,736
Fatalities*	104	119	120	104	101	98	98
Fatal Injury Rate ^{1*}	.0288	.0326	.0323	.0292	.0295	.0301	.0296
All Injury Rate ^{1*}	8.93	9.11	8.52	8.20	7.66	7.17	6.97
Total Mining Area Inspection Hours/Mine ²	55	53	53	52	55	54	55
Citations and Orders Issued ^{3, 4}	162,293	158,543	159,222	157,882	148,385	138,127	136,841
S&S Citations and Orders (%)	59%	58%	57%	54%	50%	47%	45%
Dollar Amount Assessed (Millions) ⁴	N/A	N/A	N/A	N/A	N/A	N/A	N/A

All Mine Safety and Health	1981	1982	1983	1984	1985	1986	1987
Number of Mines	N/A	N/A	N/A	17,187	17,277	16,889	16,675
Number of Miners*	N/A	N/A	N/A	432,928	422,542	403,445	390,708
Fatalities*	N/A	N/A	N/A	164	173	140	126
Fatal Injury Rate ^{1*}	N/A	N/A	N/A	.0422	.0462	.0386	.0358
All Injury Rate ^{1*}	N/A	N/A	N/A	5.72	5.47	5.86	7.56
Total Mining Area Inspection Hours/Mine ²	N/A	N/A	N/A	56	56	55	55
Citations and Orders Issued ^{3, 4}	N/A	N/A	N/A	129,539	132,908	133,701	146,622
S&S Citations and Orders (%)	N/A	N/A	N/A	43%	55%	60%	58%
Dollar Amount Assessed (Millions) ⁴	N/A	N/A	N/A	N/A	N/A	N/A	N/A

All Mine Safety and Health	N/A	N/A	N/A	N/A	1978	1979	1980
Number of Mines	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Number of Miners*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fatalities*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fatal Injury Rate ^{1*}	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Injury Rate ^{1*}	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Mining Area Inspection Hours/Mine ²	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Citations and Orders Issued ^{3, 4}	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S&S Citations and Orders (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dollar Amount Assessed (Millions) ⁴	N/A	N/A	N/A	N/A	N/A	N/A	N/A

NOTE:

Data for Fiscal Years 1978-1983 data not available in MSIS
 Assessment Data for Fiscal Years 1978-1994 not available in MSIS

*Values are all inclusive of operator and contractor employees.

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.

COAL Only (At A Glance Data FY 1978-2022)

Coal Mine Safety and Health	2016	2017	2018	2019	2020	2021	2022
Number of Coal Mines	1,328	1,225	1,188	1,160	1,057	964	988
Number of Miners*	85,656	83,478	83,023	83,281	68,367	60,716	65,590
Fatalities*	8	14	9	15	3	11	12
Fatal Injury Rate ¹	.0110	.0189	.0118	.0194	.0051	.0207	.0202
All Injury Rate ¹	2.80	3.12	2.96	2.94	2.81	2.84	2.77
States with Coal Mining	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Coal Production (Millions of Tons)	736	780	757	734	567	565	596
Total Mining Area Inspection Hours/Mine ²	244	250	244	241	208	204	215
FY Inspection Completion Rate (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Citations and Orders Issued ^{3, 4}	40,259	46,745	46,170	45,637	31,178	29,041	34,656
S&S Citations and Orders (%)	21%	21%	20%	20%	17%	18%	20%
Dollar Amount Assessed (Millions) ⁴	27	27.3	30.3	29.8	18.7	16.4	23.9

Coal Mine Safety and Health	2009	2010	2011	2012	2013	2014	2015
Number of Coal Mines	2,103	1,974	1,996	1,933	1,750	1,652	1,515
Number of Miners*	138,664	133,793	143,553	143,646	126,388	118,294	108,679
Fatalities*	20	50	16	24	18	18	15
Fatal Injury Rate ¹	.0159	.0412	.0120	.0183	.0156	.0166	.0154
All Injury Rate ¹	3.75	3.49	3.46	3.29	3.11	3.12	3.05
States with Coal Mining	26	26	26	26	26	26	26
Coal Production (Millions of Tons)	1,114	1,070	1,089	1,051	994	986	943
Total Mining Area Inspection Hours/Mine ²	236	257	258	250	249	246	247
FY Inspection Completion Rate (%)	100	100	100	100	100	100	100
Citations and Orders Issued ^{3, 4}	105,439	97,573	93,033	83,680	65,388	62,225	53,280
S&S Citations and Orders (%)	30%	31%	31%	28%	26%	25%	24%
Dollar Amount Assessed (Millions) ⁴	99.6	107.3	108.4	107.5	67.4	64.3	43.5

Coal Mine Safety and Health	2002	2003	2004	2005	2006	2007	2008
Number of Coal Mines	2,105	1,996	2,009	2,053	2,108	2,065	2,100
Number of Miners*	114,745	106,971	108,057	115,021	122,906	125,589	130,628
Fatalities*	33	32	24	23	45	35	30
Fatal Injury Rate ¹	.0321	.0332	.0240	.0209	.0384	.0300	.0245
All Injury Rate ¹	6.00	5.39	4.95	4.62	4.55	4.29	3.96
States with Coal Mining	26	26	26	26	26	26	26
Coal Production (Millions of Tons)	1,104	1,074	1,101	1,132	1,153	1,149	1,162
Total Mining Area Inspection Hours/Mine ²	175	170	172	163	162	154	219
FY Inspection Completion Rate (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Citations and Orders Issued ^{3, 4}	61,706	55,277	62,560	67,633	76,984	78,330	104,134
S&S Citations and Orders (%)	38%	38%	41%	39%	39%	36%	32%
Dollar Amount Assessed (Millions) ⁴	14.0	12.8	15.3	16.2	26.7	73.2	120.6

Coal Mine Safety and Health	1995	1996	1997	1998	1999	2000	2001
Number of Coal Mines	3,051	2,782	2,618	2,542	2,366	2,190	2,148
Number of Miners*	135,751	127,350	127,769	124,212	117,548	110,186	112,683
Fatalities*	43	39	38	28	37	34	41
Fatal Injury Rate ¹	.0356	.0340	.0331	.0250	.0352	.0348	.0405
All Injury Rate ¹	8.33	7.49	7.03	7.15	6.57	6.60	6.14
States with Coal Mining	26	26	26	26	26	26	26
Coal Production (Millions of Tons)	1,029	1,054	1,086	1,109	1,106	1,085	1,112
Total Mining Area Inspection Hours/Mine ²	151	155	160	153	161	167	171
FY Inspection Completion Rate (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Citations and Orders Issued ^{3, 4}	84,821	72,980	68,279	63,481	58,159	56,782	66,499
S&S Citations and Orders (%)	49%	42%	39%	41%	41%	41%	41%
Dollar Amount Assessed (Millions) ⁴	17	12.6	11.2	12.9	14.1	11.5	12.5

Coal Mine Safety and Health	1988	1989	1990	1991	1992	1993	1994
Number of Coal Mines	4,808	4,493	4,344	4,124	3,785	3,529	3,309
Number of Miners*	169,130	165,953	168,958	162,142	156,314	146,038	143,795
Fatalities*	55	69	68	56	52	50	52
Fatal Injury Rate ¹	.0358	.0459	.0436	.0381	.0373	.0395	.0411
All Injury Rate ¹	11.05	10.67	10.31	10.14	9.63	9.13	8.90
States with Coal Mining	26	26	26	29	26	26	26
Coal Production (Millions of Tons)	936	959	1,017	989	988	946	1,011
Total Mining Area Inspection Hours/Mine ²	129	128	128	130	141	145	155
FY Inspection Completion Rate (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Citations and Orders Issued ^{3, 4}	116,646	108,093	109,873	111,230	95,240	91,711	89,515
S&S Citations and Orders (%)	69%	69%	68%	62%	60%	56%	54%
Dollar Amount Assessed (Millions) ⁴	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Coal Mine Safety and Health	1981	1982	1983	1984	1985	1986	1987
Number of Coal Mines	N/A	N/A	N/A	5,612	5,352	5,212	4,993
Number of Miners*	N/A	N/A	N/A	210,856	201,462	190,777	175,947
Fatalities*	N/A	N/A	N/A	90	103	89	61
Fatal Injury Rate ¹	N/A	N/A	N/A	.0472	.0577	.0519	.0386
All Injury Rate ¹	N/A	N/A	N/A	6.89	6.58	7.05	9.61
States with Coal Mining	N/A	N/A	N/A	26	26	26	26
Coal Production (Millions of Tons)	N/A	N/A	N/A	876	843	866	878
Total Mining Area Inspection Hours/Mine ²	N/A	N/A	N/A	114	120	126	129
FY Inspection Completion Rate (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Citations and Orders Issued ^{3, 4}	N/A	N/A	N/A	109,664	108,873	104,542	110,220
S&S Citations and Orders (%)	N/A	N/A	N/A	46%	59%	66%	65%
Dollar Amount Assessed (Millions) ⁴	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Coal Mine Safety and Health	N/A	N/A	N/A	N/A	1978	1979	1980
Number of Coal Mines	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Number of Miners*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fatalities*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fatal Injury Rate ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Injury Rate ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A
States with Coal Mining	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Coal Production (Millions of Tons)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Mining Area Inspection Hours/Mine ²	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FY Inspection Completion Rate (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Citations and Orders Issued ^{3, 4}	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S&S Citations and Orders (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dollar Amount Assessed (Millions) ⁴	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Assessment Data for Fiscal Years 1978-1994 not available in MSIS

*Values are all inclusive of operator and contractor employees.

1-Reported injuries per 200,000 hours worked.

2-Total Mining Area Time includes: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.

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METAL/NONMETAL Only (At A Glance Data FY 1978-2022)

Metal and Nonmetal Mine Safety and Health	2016	2017	2018	2019	2020	2021	2022
Number of Metal/Nonmetal Mines	11,939	11,965	11,976	11,944	11,859	11,718	11,659
Number of Miners*	241,601	238,843	249,527	253,108	237,609	237,928	246,772
Fatalities*	16	12	13	19	20	27	20
Fatal Injury Rate ¹	.0082	.0062	.0063	.0091	.0102	.0138	.0097
All Injury Rate ¹	1.94	1.83	1.75	1.74	1.63	1.65	1.60
States with M/NM Mining	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Mining Area Inspection Hours/Mine ²	21	22	22	22	21	20	20
FY Inspection Completion Rate (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Citations and Orders Issued ^{3,4}	56,269	56,680	53,427	53,905	51,605	47,973	51,309
S&S Citations and Orders (%)	23%	22%	21%	20%	18%	19%	19%
Dollar Amount Assessed (Millions) ⁴	26.7	27.5	25.4	25.2	23.4	24.6	29.4

Metal and Nonmetal Mine Safety and Health	2009	2010	2011	2012	2013	2014	2015
Number of Metal/Nonmetal Mines	12,729	12,519	12,374	12,340	12,256	12,116	11,995
Number of Miners*	232,994	225,033	236,469	250,320	252,264	254,422	250,886
Fatalities*	23	15	20	20	16	30	23
Fatal Injury Rate ¹	.0127	.0085	.0106	.0100	.0078	.0147	.0113
All Injury Rate ¹	2.58	2.43	2.29	2.23	2.13	2.11	2.07
States with M/NM Mining	50	50	50	50	50	50	50
Total Mining Area Inspection Hours/Mine ²	21	22	21	22	21	22	22
FY Inspection Completion Rate (%)	100	100	100	100	100	100	100
Citations and Orders Issued ^{3,4}	68,286	74,515	64,594	61,254	56,591	57,614	59,062
S&S Citations and Orders (%)	26%	32%	27%	25%	24%	24%	24%
Dollar Amount Assessed (Millions) ⁴	37.3	52.4	41.2	36.1	28.6	34.7	28.1

Metal and Nonmetal Mine Safety and Health	2002	2003	2004	2005	2006	2007	2008
Number of Metal/Nonmetal Mines	12,585	12,556	12,547	12,640	12,866	12,869	12,957
Number of Miners*	224,046	216,404	223,142	231,575	241,024	253,815	263,021
Fatalities*	39	33	26	34	29	32	22
Fatal Injury Rate ¹	.0201	.0176	.0133	.0167	.0137	.0146	.0100
All Injury Rate ¹	3.91	3.54	3.47	3.55	3.26	3.07	2.89
States with M/NM Mining	50	50	50	50	50	50	50
Total Mining Area Inspection Hours/Mine ²	21	23	25	21	18	17	20
FY Inspection Completion Rate (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Citations and Orders Issued ^{3,4}	51,579	49,345	57,156	57,123	62,774	58,535	67,708
S&S Citations and Orders (%)	25%	24%	24%	23%	23%	22%	21%
Dollar Amount Assessed (Millions) ⁴	8.7	8.1	9.4	10.4	12.4	25.6	33.7

Metal and Nonmetal Mine Safety and Health	1995	1996	1997	1998	1999	2000	2001
Number of Metal/Nonmetal Mines	11,008	10,932	11,131	11,404	11,823	12,337	12,537
Number of Miners*	229,624	231,920	236,040	238,208	239,468	243,236	237,892
Fatalities*	44	56	62	52	45	54	30
Fatal Injury Rate ¹	.0208	.0261	.0286	.0240	.0208	.0248	.0144
All Injury Rate ¹	5.39	4.94	4.79	4.75	4.48	4.38	4.23
States with M/NM Mining	50	50	50	50	50	50	50
Total Mining Area Inspection Hours/Mine ²	23	23	20	22	24	24	23
FY Inspection Completion Rate (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Citations and Orders Issued ^{3,4}	42,816	35,509	45,604	55,525	55,452	62,184	57,751
S&S Citations and Orders (%)	27%	27%	31%	32%	30%	30%	27%
Dollar Amount Assessed (Millions) ⁴	5.9	5.2	8.0	12.8	12.5	14.0	10.0

Metal and Nonmetal Mine Safety and Health	1988	1989	1990	1991	1992	1993	1994
Number of Metal/Nonmetal Mines	11,891	11,855	11,914	11,767	11,396	11,268	11,133
Number of Miners*	226,306	234,584	237,240	233,758	227,303	222,285	225,941
Fatalities*	49	50	52	48	49	48	46
Fatal Injury Rate ¹	.0237	.0233	.0241	.0230	.0242	.0241	.0225
All Injury Rate ¹	7.36	8.01	7.23	6.83	6.3	5.93	5.78
States with M/NM Mining	50	50	50	50	50	50	50
Total Mining Area Inspection Hours/Mine ²	22	22	23	23	24	23	23
FY Inspection Completion Rate (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Citations and Orders Issued ^{3,4}	45,647	50,450	49,349	46,652	53,145	46,416	47,326
S&S Citations and Orders (%)	35%	34%	33%	35%	32%	30%	27%
Dollar Amount Assessed (Millions) ⁴	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Metal and Nonmetal Mine Safety and Health	1981	1982	1983	1984	1985	1986	1987
Number of Metal/Nonmetal Mines	N/A	N/A	N/A	11,575	11,925	11,677	11,682
Number of Miners*	N/A	N/A	N/A	222,072	221,080	212,668	214,761
Fatalities*	N/A	N/A	N/A	74	70	51	65
Fatal Injury Rate ¹	N/A	N/A	N/A	.0374	.0357	.0266	.0336
All Injury Rate ¹	N/A	N/A	N/A	4.59	4.46	4.79	5.89
States with M/NM Mining	N/A	N/A	N/A	50	50	50	50
Total Mining Area Inspection Hours/Mine ²	N/A	N/A	N/A	19	19	20	21
FY Inspection Completion Rate (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Citations and Orders Issued ^{3,4}	N/A	N/A	N/A	19,875	24,035	29,159	36,402
S&S Citations and Orders (%)	N/A	N/A	N/A	26%	35%	38%	35%
Dollar Amount Assessed (Millions) ⁴	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Metal and Nonmetal Mine Safety and Health	N/A	N/A	N/A	N/A	1978	1979	1980
Number of Metal/Nonmetal Mines	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Number of Miners*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fatalities*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fatal Injury Rate ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Injury Rate ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A
States with M/NM Mining	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Mining Area Inspection Hours/Mine ²	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FY Inspection Completion Rate (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Citations and Orders Issued ^{3,4}	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S&S Citations and Orders (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dollar Amount Assessed (Millions) ⁴	N/A	N/A	N/A	N/A	N/A	N/A	N/A

NOTE:
 Data for Fiscal Years 1978-1983 data not available in MSIS
 Assessment Data for Fiscal Years 1978-1994 not available in MSIS
 *Values are all inclusive of operator and contractor employees.
 1-Reported injuries per 200,000 hours worked.
 2-Total Mining Area Time includes: On-site Inspection Time (M/NM), 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 conferred 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.

CONTRACTORS (At A Glance Data FY 1978-2022)

Mine Contractors	2016	2017	2018	2019	2020	2021	2022
Coal Fatalities ²	0	1	0	3	0	2	3
MNM Fatalities ²	5	2	0	7	4	5	4
Total Fatalities ²	5	3	0	10	4	7	7
Coal Fatal Injury Rate ¹	.0000	.0070	.0000	.0194	.0000	.0200	.0274
MNM Fatal Injury Rate ¹	.0145	.0060	.0000	.0186	.0120	.0144	.0101
Total Fatal Injury Rate ¹	.0103	.0063	.0000	.0188	.0090	.0156	.0139

Mine Contractors	2009	2010	2011	2012	2013	2014	2015
Coal Fatalities ²	8	6	5	4	2	2	3
MNM Fatalities ²	7	6	6	4	2	6	9
Total Fatalities ²	15	12	11	8	4	8	12
Coal Fatal Injury Rate ¹	.0315	.0249	.0182	.0148	.0086	.0094	.0152
MNM Fatal Injury Rate ¹	.0227	.0204	.0168	.0096	.0046	.0145	.0232
Total Fatal Injury Rate ¹	.0267	.0224	.0174	.0117	.0060	.0127	.0205

Mine Contractors	2002	2003	2004	2005	2006	2007	2008
Coal Fatalities ²	7	8	5	5	7	5	10
MNM Fatalities ²	9	5	5	5	6	10	8
Total Fatalities ²	16	13	10	10	13	15	18
Coal Fatal Injury Rate ¹	.0364	.0458	.0266	.0238	.0304	.0219	.0394
MNM Fatal Injury Rate ¹	.0443	.0253	.0219	.0192	.0197	.0274	.0195
Total Fatal Injury Rate ¹	.0404	.0349	.0241	.0212	.0243	.0253	.0271

Mine Contractors	1995	1996	1997	1998	1999	2000	2001
Coal Fatalities ²	9	4	6	5	4	10	7
MNM Fatalities ²	12	11	24	15	17	13	9
Total Fatalities ²	21	15	30	20	21	23	16
Coal Fatal Injury Rate ¹	.0579	.0251	.0345	.0272	.0224	.0558	.0361
MNM Fatal Injury Rate ¹	.0616	.0546	.1130	.0704	.0744	.0475	.0352
Total Fatal Injury Rate ¹	.0600	.0416	.0777	.0504	.0516	.0508	.0356

Mine Contractors	1988	1989	1990	1991	1992	1993	1994
Coal Fatalities ²	8	5	9	4	12	13	9
MNM Fatalities ²	15	12	10	10	15	10	10
Total Fatalities ²	23	17	19	14	27	23	19
Coal Fatal Injury Rate ¹	.0993	.0493	.0798	.0325	.0852	.0857	.0553
MNM Fatal Injury Rate ¹	.1198	.0770	.0703	.0630	.1001	.0723	.0599
Total Fatal Injury Rate ¹	.1118	.0661	.0745	.0497	.0929	.0793	.0577

Mine Contractors	1981	1982	1983	1984	1985	1986	1987
Coal Fatalities ²	N/A	N/A	N/A	6	6	3	5
MNM Fatalities ²	N/A	N/A	N/A	12	9	7	11
Total Fatalities ²	N/A	N/A	N/A	18	15	10	16
Coal Fatal Injury Rate ¹	N/A	N/A	N/A	.0861	.0780	.0397	.0685
MNM Fatal Injury Rate ¹	N/A	N/A	N/A	.1754	.1120	.0815	.1138
Total Fatal Injury Rate ¹	N/A	N/A	N/A	.1304	.0954	.0619	.0943

Mine Contractors	N/A	N/A	N/A	N/A	1978	1979	1980
Coal Fatalities ²	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MNM Fatalities ²	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Fatalities ²	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Coal Fatal Injury Rate ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MNM Fatal Injury Rate ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Fatal Injury Rate ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A

NOTE: Fiscal Year 1978-1983 data not available in MSIS

1-Reported injuries per 200,000 hours worked.

2-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.