

**MSHA (By the Numbers FY 1978-2025) - Includes Fatal and Injury Rates**

All Mine Safety and Health	2019	2020	2021	2022	2023	2024	2025
Citations and Orders Issued <sup>1, 2</sup>	99,541	82,781	76,983	85,716	94,045	94,352	87,372
Elevated Enforcement Actions	1,986	1,690	1,462	1,949	2,064	2,079	1,777
S&S Citations and Orders (%)	20%	18%	19%	19%	19%	18%	18%
Dollar Amount Assessed (Millions) <sup>2</sup>	55.0	42.2	40.9	54.6	69.4	71.1	62.4
Fatal Injury Rate <sup>3*</sup>	.0119	.0090	.0156	.0123	.0146	.0110	.0101
NFDL Rate <sup>3*</sup>	1.41	1.33	1.38	1.32	1.31	1.29	1.25
Lost-Time Rate <sup>3*</sup>	1.42	1.34	1.40	1.34	1.32	1.30	1.26
All Injury Rate <sup>3*</sup>	2.06	1.90	1.91	1.89	1.85	1.82	1.77

All Mine Safety and Health	2012	2013	2014	2015	2016	2017	2018
Citations and Orders Issued <sup>1, 2</sup>	144,934	121,979	119,839	112,342	96,528	103,425	99,597
Elevated Enforcement Actions	4,295	3,098	3,399	3,054	2,200	2,289	2,157
S&S Citations and Orders (%)	27%	25%	25%	24%	22%	21%	20%
Dollar Amount Assessed (Millions) <sup>2</sup>	143.6	95.9	99.0	71.6	53.7	54.7	55.6
Fatal Injury Rate <sup>3*</sup>	.0133	.0106	.0154	.0126	.0089	.0097	.0078
NFDL Rate <sup>3*</sup>	1.77	1.67	1.69	1.63	1.47	1.52	1.42
Lost-Time Rate <sup>3*</sup>	1.79	1.68	1.71	1.64	1.48	1.53	1.43
All Injury Rate <sup>3*</sup>	2.65	2.48	2.46	2.39	2.17	2.19	2.08

All Mine Safety and Health	2005	2006	2007	2008	2009	2010	2011
Citations and Orders Issued <sup>1, 2</sup>	124,756	139,758	136,865	171,842	173,725	172,088	157,627
Elevated Enforcement Actions	4,102	4,839	4,598	4,924	4,918	6,037	5,384
S&S Citations and Orders (%)	32%	32%	30%	27%	28%	32%	29%
Dollar Amount Assessed (Millions) <sup>2</sup>	26.6	39.1	98.8	154.3	136.9	159.7	149.6
Fatal Injury Rate <sup>3*</sup>	.0182	.0225	.0200	.0152	.0140	.0219	.0112
NFDL Rate <sup>3*</sup>	2.64	2.47	2.36	2.18	2.06	1.91	1.80
Lost-Time Rate <sup>3*</sup>	2.66	2.49	2.38	2.20	2.07	1.93	1.81
All Injury Rate <sup>3*</sup>	3.93	3.72	3.50	3.27	3.06	2.86	2.77

All Mine Safety and Health	1998	1999	2000	2001	2002	2003	2004
Citations and Orders Issued <sup>1, 2</sup>	119,006	113,611	118,966	124,250	113,285	104,622	119,716
Elevated Enforcement Actions	3,537	3,116	3,120	3,202	3,089	2,963	4,094
S&S Citations and Orders (%)	37%	36%	36%	34%	32%	31%	33%
Dollar Amount Assessed (Millions) <sup>2</sup>	25.7	26.6	25.5	22.5	22.7	20.9	24.6
Fatal Injury Rate <sup>3*</sup>	.0244	.0255	.0279	.0229	.0242	.0229	.0169
NFDL Rate <sup>3*</sup>	3.75	3.50	3.46	3.29	3.20	2.92	2.69
Lost-Time Rate <sup>3*</sup>	3.78	3.53	3.49	3.31	3.23	2.94	2.71
All Injury Rate <sup>3*</sup>	5.57	5.17	5.07	4.86	4.63	4.17	3.98

All Mine Safety and Health	1991	1992	1993	1994	1995	1996	1997
Citations and Orders Issued <sup>1, 2</sup>	157,882	148,385	138,127	136,841	127,637	108,489	113,883
Elevated Enforcement Actions	7,312	6,227	5,695	5,680	3,854	3,008	2,947
S&S Citations and Orders (%)	54%	50%	47%	45%	41%	37%	36%
Dollar Amount Assessed (Millions) <sup>2</sup>	N/A	N/A	N/A	N/A	22.9	17.8	19.3
Fatal Injury Rate <sup>3*</sup>	.0292	.0295	.0301	.0296	.0262	.0289	.0302
NFDL Rate <sup>3*</sup>	5.66	5.21	4.87	4.73	4.33	3.86	3.66
Lost-Time Rate <sup>3*</sup>	5.69	5.24	4.90	4.76	4.36	3.89	3.69
All Injury Rate <sup>3*</sup>	8.20	7.66	7.17	6.97	6.46	5.83	5.57

All Mine Safety and Health	1984	1985	1986	1987	1988	1989	1990
Citations and Orders Issued <sup>1, 2</sup>	129,539	132,908	133,701	146,622	162,293	158,543	159,222
Elevated Enforcement Actions	5,732	6,849	6,390	6,775	7,766	6,528	6,430
S&S Citations and Orders (%)	43%	55%	60%	58%	59%	58%	57%
Dollar Amount Assessed (Millions) <sup>2</sup>	N/A						
Fatal Injury Rate <sup>3*</sup>	.0422	.0462	.0386	.0358	.0288	.0326	.0323
NFDL Rate <sup>3*</sup>	4.17	3.93	4.21	5.19	5.94	5.91	5.81
Lost-Time Rate <sup>3*</sup>	4.22	3.97	4.24	5.22	5.96	5.95	5.84
All Injury Rate <sup>3*</sup>	5.72	5.47	5.86	7.56	8.93	9.11	8.52

All Mine Safety and Health		1978	1979	1980	1981	1982	1983
Citations and Orders Issued <sup>1, 2</sup>		N/A	N/A	N/A	N/A	N/A	N/A
Elevated Enforcement Actions		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
Dollar Amount Assessed (Millions) <sup>2</sup>		N/A	N/A	N/A	N/A	N/A	N/A
Fatal Injury Rate <sup>3*</sup>		N/A	N/A	N/A	N/A	N/A	N/A
NFDL Rate <sup>3*</sup>		N/A	N/A	N/A	N/A	N/A	N/A
Lost-Time Rate <sup>3*</sup>		N/A	N/A	N/A	N/A	N/A	N/A
All Injury Rate <sup>3*</sup>		N/A	N/A	N/A	N/A	N/A	N/A

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

NOTE: The following metrics - Citations and Orders Issued; Fatal Injury Rate; and, All Injury Rate - are all reported in the MSHA At A Glance Report. All other metrics reported between 1983-2024 are pulled by MSIS.

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

1-Citations and orders are those not vacated.

2-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.

3-Reported injuries per 200,000 hours worked.

**COAL Only (By the Numbers FY 1978-2025) - Includes Fatal and Injury Rates**

Coal Mine Safety and Health	2019	2020	2021	2022	2023	2024	2025
Citations and Orders Issued <sup>1,2</sup>	45,635	31,175	29,037	34,587	39,566	38,880	35,016
Elevated Enforcement Actions	619	423	396	672	561	573	426
S&S Citations and Orders (%)	20%	17%	18%	19%	19%	19%	18%
Dollar Amount Assessed (Millions) <sup>2</sup>	29.8	18.7	16.3	24.6	31.1	34.0	29.1
Fatal Injury Rate <sup>3*</sup>	.0194	.0051	.0225	.0201	.0155	.0174	.0085
NFDL Rate <sup>3*</sup>	2.00	2.04	2.15	2.07	2.01	2.05	2.01
Lost-Time Rate <sup>3*</sup>	2.02	2.04	2.17	2.09	2.02	2.07	2.02
All Injury Rate <sup>3*</sup>	2.94	2.82	2.86	2.85	2.76	2.79	2.73

Coal Mine Safety and Health	2012	2013	2014	2015	2016	2017	2018
Citations and Orders Issued <sup>1,2</sup>	83,680	65,388	62,225	53,280	40,259	46,745	46,170
Elevated Enforcement Actions	2,087	1,200	1,252	873	512	613	661
S&S Citations and Orders (%)	28%	26%	25%	24%	21%	21%	20%
Dollar Amount Assessed (Millions) <sup>2</sup>	107.5	67.4	64.3	43.5	27.0	27.3	30.3
Fatal Injury Rate <sup>3*</sup>	.0183	.0156	.0166	.0154	.0110	.0189	.0118
NFDL Rate <sup>3*</sup>	2.20	2.10	2.17	2.12	1.96	2.20	2.05
Lost-Time Rate <sup>3*</sup>	2.22	2.11	2.18	2.13	1.97	2.22	2.06
All Injury Rate <sup>3*</sup>	3.29	3.11	3.12	3.05	2.80	3.12	2.96

Coal Mine Safety and Health	2005	2006	2007	2008	2009	2010	2011
Citations and Orders Issued <sup>1,2</sup>	67,633	76,984	78,330	104,134	105,439	97,573	93,033
Elevated Enforcement Actions	1,957	2,490	2,471	2,850	2,619	2,794	2,776
S&S Citations and Orders (%)	39%	39%	36%	32%	30%	31%	31%
Dollar Amount Assessed (Millions) <sup>2</sup>	16.2	26.7	73.2	120.6	99.6	107.3	108.4
Fatal Injury Rate <sup>3*</sup>	.0209	.0384	.0300	.0245	.0159	.0412	.0120
NFDL Rate <sup>3*</sup>	3.25	3.08	3.02	2.71	2.58	2.34	2.27
Lost-Time Rate <sup>3*</sup>	3.27	3.12	3.05	2.74	2.60	2.38	2.28
All Injury Rate <sup>3*</sup>	4.62	4.55	4.29	3.96	3.75	3.49	3.46

Coal Mine Safety and Health	1998	1999	2000	2001	2002	2003	2004
Citations and Orders Issued <sup>1,2</sup>	63,481	58,159	56,782	66,499	61,706	55,277	62,560
Elevated Enforcement Actions	1,438	1,429	1,231	1,672	1,573	1,425	1,864
S&S Citations and Orders (%)	41%	41%	41%	41%	38%	38%	41%
Dollar Amount Assessed (Millions) <sup>2</sup>	12.9	14.1	11.5	12.5	14.0	12.8	15.3
Fatal Injury Rate <sup>3*</sup>	.0250	.0352	.0348	.0405	.0321	.0332	.0240
NFDL Rate <sup>3*</sup>	5.30	4.92	4.98	4.47	4.44	4.00	3.49
Lost-Time Rate <sup>3*</sup>	5.32	4.95	5.02	4.51	4.47	4.03	3.51
All Injury Rate <sup>3*</sup>	7.15	6.57	6.60	6.14	6.00	5.39	4.95

Coal Mine Safety and Health	1991	1992	1993	1994	1995	1996	1997
Citations and Orders Issued <sup>1,2</sup>	111,230	95,240	91,711	89,515	84,821	72,980	68,279
Elevated Enforcement Actions	5,766	4,593	4,405	4,397	2,751	2,090	1,626
S&S Citations and Orders (%)	62%	60%	56%	54%	49%	42%	39%
Dollar Amount Assessed (Millions) <sup>2</sup>	N/A	N/A	N/A	N/A	17.0	12.6	11.2
Fatal Injury Rate <sup>3*</sup>	.0381	.0373	.0395	.0411	.0356	.0340	.0331
NFDL Rate <sup>3*</sup>	7.85	7.41	6.99	6.78	6.32	5.56	5.12
Lost-Time Rate <sup>3*</sup>	7.89	7.44	7.03	6.82	6.35	5.60	5.15
All Injury Rate <sup>3*</sup>	10.14	9.63	9.13	8.90	8.33	7.49	7.03

Coal Mine Safety and Health	1984	1985	1986	1987	1988	1989	1990
Citations and Orders Issued <sup>1,2</sup>	109,664	108,873	104,542	110,220	116,646	108,093	109,873
Elevated Enforcement Actions	5,281	6,213	5,781	5,955	6,641	5,303	5,018
S&S Citations and Orders (%)	46%	59%	66%	65%	69%	69%	68%
Dollar Amount Assessed (Millions) <sup>2</sup>	N/A						
Fatal Injury Rate <sup>3*</sup>	.0472	.0577	.0519	.0386	.0358	.0459	.0436
NFDL Rate <sup>3*</sup>	5.47	5.12	5.46	7.19	8.22	7.96	7.94
Lost-Time Rate <sup>3*</sup>	5.52	5.18	5.52	7.23	8.26	8.01	7.98
All Injury Rate <sup>3*</sup>	6.89	6.58	7.05	9.61	11.05	10.67	10.31

Coal Mine Safety and Health		1978	1979	1980	1981	1982	1983
Citations and Orders Issued <sup>1,2</sup>		N/A	N/A	N/A	N/A	N/A	N/A
Elevated Enforcement Actions		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
Dollar Amount Assessed (Millions) <sup>2</sup>		N/A	N/A	N/A	N/A	N/A	N/A
Fatal Injury Rate <sup>3*</sup>		N/A	N/A	N/A	N/A	N/A	N/A
NFDL Rate <sup>3*</sup>		N/A	N/A	N/A	N/A	N/A	N/A
Lost-Time Rate <sup>3*</sup>		N/A	N/A	N/A	N/A	N/A	N/A
All Injury Rate <sup>3*</sup>		N/A	N/A	N/A	N/A	N/A	N/A

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3-Reported injuries per 200,000 hours worked.

**MNM Only (By the Numbers FY 1978-2025) - Includes Fatal and Injury Rates**

<b>MNM Mine Safety and Health</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>
Citations and Orders Issued <sup>1, 2</sup>	53,906	51,606	47,946	51,129	54,479	55,472	52,356
Elevated Enforcement Actions	1,367	1,267	1,066	1,277	1,503	1,506	1,351
S&S Citations and Orders (%)	20%	18%	19%	19%	19%	17%	17%
Dollar Amount Assessed (Millions) <sup>2</sup>	25.2	23.4	24.6	29.9	38.3	37.1	33.2
Fatal Injury Rate <sup>3*</sup>	.0091	.0102	.0138	.0101	.0143	.0091	.0105
NFDL Rate <sup>3*</sup>	1.19	1.12	1.17	1.11	1.10	1.08	1.05
Lost-Time Rate <sup>3*</sup>	1.20	1.13	1.19	1.12	1.11	1.09	1.06
All Injury Rate <sup>3*</sup>	1.74	1.63	1.65	1.61	1.58	1.54	1.52

<b>MNM Mine Safety and Health</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Citations and Orders Issued <sup>1, 2</sup>	61,254	56,591	57,614	59,062	56,269	56,680	53,427
Elevated Enforcement Actions	2,208	1,898	2,147	2,181	1,688	1,676	1,496
S&S Citations and Orders (%)	25%	24%	24%	25%	23%	22%	21%
Dollar Amount Assessed (Millions) <sup>2</sup>	36.1	28.5	34.7	28.1	26.7	27.5	25.4
Fatal Injury Rate <sup>3*</sup>	.0100	.0078	.0147	.0113	.0082	.0062	.0063
NFDL Rate <sup>3*</sup>	1.49	1.42	1.44	1.39	1.29	1.26	1.19
Lost-Time Rate <sup>3*</sup>	1.50	1.43	1.46	1.41	1.30	1.26	1.19
All Injury Rate <sup>3*</sup>	2.23	2.13	2.11	2.07	1.94	1.83	1.75

<b>MNM Mine Safety and Health</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
Citations and Orders Issued <sup>1, 2</sup>	57,123	62,774	58,535	67,708	68,286	74,515	64,594
Elevated Enforcement Actions	2,145	2,349	2,127	2,074	2,299	3,243	2,608
S&S Citations and Orders (%)	23%	23%	22%	21%	26%	32%	27%
Dollar Amount Assessed (Millions) <sup>2</sup>	10.4	12.4	25.6	33.7	37.3	52.4	41.2
Fatal Injury Rate <sup>3*</sup>	.0167	.0137	.0146	.0100	.0127	.0085	.0106
NFDL Rate <sup>3*</sup>	2.31	2.13	2.01	1.89	1.69	1.61	1.47
Lost-Time Rate <sup>3*</sup>	2.33	2.15	2.03	1.90	1.70	1.62	1.48
All Injury Rate <sup>3*</sup>	3.55	3.26	3.07	2.89	2.58	2.43	2.29

<b>MNM Mine Safety and Health</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
Citations and Orders Issued <sup>1, 2</sup>	55,525	55,452	62,184	57,751	51,579	49,345	57,156
Elevated Enforcement Actions	2,099	1,687	1,889	1,530	1,516	1,538	2,230
S&S Citations and Orders (%)	32%	30%	30%	27%	25%	24%	24%
Dollar Amount Assessed (Millions) <sup>2</sup>	12.8	12.5	14.0	10.0	8.7	8.1	9.4
Fatal Injury Rate <sup>3*</sup>	.0240	.0208	.0248	.0144	.0201	.0176	.0133
NFDL Rate <sup>3*</sup>	2.96	2.82	2.77	2.71	2.55	2.37	2.28
Lost-Time Rate <sup>3*</sup>	2.98	2.84	2.80	2.72	2.57	2.39	2.30
All Injury Rate <sup>3*</sup>	4.75	4.48	4.38	4.23	3.91	3.54	3.47

<b>MNM Mine Safety and Health</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>
Citations and Orders Issued <sup>1, 2</sup>	46,652	53,145	46,416	47,326	42,816	35,509	45,604
Elevated Enforcement Actions	1,546	1,634	1,290	1,283	1,103	918	1,321
S&S Citations and Orders (%)	35%	32%	30%	27%	27%	27%	31%
Dollar Amount Assessed (Millions) <sup>2</sup>	N/A	N/A	N/A	N/A	5.9	5.2	8.0
Fatal Injury Rate <sup>3*</sup>	.0230	.0242	.0241	.0225	.0208	.0261	.0286
NFDL Rate <sup>3*</sup>	4.11	3.70	3.52	3.46	3.20	2.94	2.89
Lost-Time Rate <sup>3*</sup>	4.14	3.73	3.54	3.48	3.22	2.97	2.92
All Injury Rate <sup>3*</sup>	6.83	6.30	5.93	5.78	5.39	4.94	4.79

<b>MNM Mine Safety and Health</b>	<b>1984</b>	<b>1985</b>	<b>1986</b>	<b>1987</b>	<b>1988</b>	<b>1989</b>	<b>1990</b>
Citations and Orders Issued <sup>1, 2</sup>	19,875	24,035	29,159	36,402	45,647	50,450	49,349
Elevated Enforcement Actions	451	636	609	820	1,125	1,225	1,412
S&S Citations and Orders (%)	26%	35%	38%	35%	35%	34%	33%
Dollar Amount Assessed (Millions) <sup>2</sup>	N/A						
Fatal Injury Rate <sup>3*</sup>	.0374	.0357	.0266	.0336	.0237	.0233	.0241
NFDL Rate <sup>3*</sup>	2.92	2.84	3.08	3.56	4.24	4.48	4.27
Lost-Time Rate <sup>3*</sup>	2.96	2.88	3.11	3.59	4.26	4.50	4.29
All Injury Rate <sup>3*</sup>	4.59	4.46	4.79	5.89	7.36	8.01	7.23

<b>MNM Mine Safety and Health</b>		<b>1978</b>	<b>1979</b>	<b>1980</b>	<b>1981</b>	<b>1982</b>	<b>1983</b>
Citations and Orders Issued <sup>1, 2</sup>		N/A	N/A	N/A	N/A	N/A	N/A
Elevated Enforcement Actions		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
Dollar Amount Assessed (Millions) <sup>2</sup>		N/A	N/A	N/A	N/A	N/A	N/A
Fatal Injury Rate <sup>3*</sup>		N/A	N/A	N/A	N/A	N/A	N/A
NFDL Rate <sup>3*</sup>		N/A	N/A	N/A	N/A	N/A	N/A
Lost-Time Rate <sup>3*</sup>		N/A	N/A	N/A	N/A	N/A	N/A
All Injury Rate <sup>3*</sup>		N/A	N/A	N/A	N/A	N/A	N/A

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