

Mine Safety & Health at a Glance, 1931-2023



Year	Metal/Nonmetal				Coal				Combined			
	Total Injuries	Injury Rates	Fatalities	Fatality Rates	Total Injuries	Injury Rates	Fatalities	Fatality Rates	Total Injuries	Injury Rates	Fatalities	Fatality Rates
1931	14,800	N/A	225	N/A	79,421	N/A	1,463	N/A	94,221	N/A	1,688	N/A
1940	21,240	N/A	307	N/A	59,164	N/A	1,388	N/A	80,404	N/A	1,695	N/A
1950	13,560	N/A	164	N/A	37,907	N/A	643	N/A	51,467	N/A	807	N/A
1960	13,904	N/A	185	N/A	12,227	N/A	325	N/A	26,131	N/A	510	N/A
1970	12,513	N/A	165	N/A	11,812	N/A	260	N/A	24,325	N/A	425	N/A
1980 ^{1/}	17,729	6.46	103	0.038	22,723	10.03	133	0.059	40,452	N/A	236	N/A
1990	15,161	7.05	56	0.026	15,825	10.18	66	0.042	30,986	8.36	122	0.033
1991	13,985	6.76	53	0.026	14,668	10.18	61	0.042	28,653	8.17	114	0.032
1992	12,376	6.13	43	0.021	13,068	9.47	55	0.040	25,444	7.48	98	0.029
1993	11,898	5.96	51	0.026	11,023	8.95	47	0.038	22,921	7.10	98	0.030
1994	11,790	5.73	40	0.019	11,378	8.95	45	0.035	23,168	6.96	85	0.026
1995	11,119	5.24	53	0.025	9,702	8.22	47	0.040	20,821	6.30	100	0.030
1996	10,582	4.92	47	0.022	8,315	7.24	39	0.034	18,897	5.73	86	0.026
1997	10,333	4.75	61	0.028	7,969	6.97	30	0.026	18,302	5.52	91	0.027
1998	10,119	4.67	51	0.024	7,934	7.15	29	0.026	18,053	5.51	80	0.024
1999	9,596	4.44	55	0.025	6,621	6.44	35	0.034	16,217	5.01	90	0.028
2000	9,600	4.45	47	0.022	6,429	6.64	38	0.039	16,029	5.13	85	0.027
2001	8,449	4.10	30	0.015	6,299	6.03	42	0.040	14,748	4.75	72	0.023
2002	7,374	3.86	42	0.022	6,039	6.03	28	0.027	13,413	4.60	70	0.024
2003	6,882	3.65	26	0.014	5,168	5.38	30	0.031	12,050	4.23	56	0.020
2004	6,976	3.55	27	0.014	5,129	5.00	28	0.027	12,105	4.05	55	0.018
2005	7,260	3.54	35	0.017	5,182	4.62	23	0.020	12,442	3.92	58	0.018
2006	6,807	3.19	26	0.012	5,249	4.46	47	0.040	12,056	3.64	73	0.022
2007	6,667	3.02	33	0.015	4,881	4.21	34	0.029	11,548	3.43	67	0.020
2008	6,152	2.87	23	0.011	4,916	3.89	30	0.024	11,068	3.25	53	0.016
2009	4,402	2.54	17	0.010	4,495	3.69	18	0.015	8,897	3.01	35	0.012
2010	4,241	2.37	24	0.013	4,307	3.43	48	0.038	8,548	2.81	72	0.024
2011	4,351	2.28	16	0.008	4,555	3.43	21	0.015	8,906	2.75	36	0.011
2012	4,302	2.20	16	0.008	3,878	3.21	20	0.016	8,180	2.56	36	0.011
2013	4,164	2.14	22	0.011	3,346	3.15	20	0.018	7,510	2.50	42	0.013
2014	4,257	2.11	30	0.015	3,323	3.15	16	0.015	7,580	2.47	46	0.015
2015	4,061	2.03	17	0.008	2,635	2.93	12	0.013	6,696	2.31	29	0.010
2016	2,019	1.94	17	0.009	3,750	2.91	8	0.012	5,769	2.20	25	0.010
2017	3,491	1.79	13	0.007	2,390	3.20	15	0.020	5,881	2.18	28	0.010
2018	3,590	1.75	16	0.008	2,205	2.89	12	0.016	5,795	2.06	28	0.010
2019	3,576	1.73	15	0.007	2,199	2.94	12	0.016	5,775	2.05	27	0.010
2020	3,065	1.60	24	0.012	1,476	2.73	5	0.010	4,543	1.85	29	0.012
2021 ^{r/}	3,278	1.66	27	0.014	1,513	2.88	11	0.020	4,791	1.92	38	0.015
2022 ^{r/}	3,223	1.59	19	0.009	1,671	2.85	11	0.018	4,894	1.87	30	0.011
2023 ^{p/}	3,297	1.56	31	0.014	1,733	2.73	9	0.014	5,030	1.83	40	0.014

Metal/Nonmetal includes stone, sand & gravel. Includes contractors, office workers and prep plants,

independent shops & yards, mills N/A not available. 2022 data are preliminary. Rates per 200,000 employee-hours.

^{1/} Beginning in 1978 all injury data category was expanded to include non-disabling injuries. ^{p/} Preliminary data. ^{r/} Revised.

Source: U.S. Mine Safety & Health Administration

Updated: April 2024