

2019 Fatal Comparison Chart (based on preliminary report data, fatal alerts, & final reports) Updated: 1/17/2019

MMM Total	Fatal #'s	Coal Total	2	Fatal #'s	Total
Underground (UG)		Underground (UG)	2	1, 2	2
Surface & Sur of UG		Surface & Sur of UG			
Contractor		Contractor	1	1	1
Powered Haulage		Powered Haulage	1	2	1
Non-Powered Haulage		Non-Powered Haulage			
Machinery		Machinery	1	1	1
Roof, Rib, Highwall Fall		Roof, Rib, Highwall Fall			
Electrical		Electrical			
Slip & Fall of Persons		Slip & Fall of Person			
Fall & Sliding Materials		Fall & Sliding Materials			
Ignition/Exploding Gas		Ignition/Explosion/Fire			
Hoisting		Hoisting			
Inundation		Inundation			
Exploding Vessel		Exploding Vessel			
Explosive/Breaking Agent		Explosive/Breaking Agent			
Maintenance/Repair Involved		Maintenance/Repair Involved			
Examiner, Supervisor, Owner		Examiner, Supervisor, Owner			
Other		Other			
Age 0-19		Age 0-19			
Age 20-29		Age 20-29			
Age 30-39		Age 30-39			
Age 40-49		Age 40-49			
Age 50-59		Age 50-59	1	1	1
Age 60+		Age 60+			
Experience		Experience			
Less than 1 year		Less than 1 year			
1-9 years		1-9 years			
10-19 years		10-19			
20+		20+	1	1	1
Mine Site Experience		Mine Site Experience			
Less than 1 year		Less than 1 year	1	1	1
1-9 years		1-9 years			
10-19		10-19			
20+		20+			
Job/Task Experience		Job/Task Experience			
0-7 days		0-7 days	1	1	1
Less than 1 year		Less than 1 year			
1-9 years		1-9 years			
10-19		10-19			
20+		20+			
Shift Time (occurred)		Shift Time			
1 st Shift (7am-3pm)		1 st Shift (7am-3pm)			
2 nd Shift (3pm-11pm)		2 nd Shift (3pm-11pm)			
3 rd Shift (11pm –7am)		3 rd Shift (11pm –7am)	1	1	1
Day of the Week:		Day of the Week:			
Sunday		Sunday			
Monday		Monday	1	2	1
Tuesday		Tuesday			
Wednesday		Wednesday			
Thursday		Thursday			
Friday		Friday			
Saturday		Saturday	1	1	1

Focus on your safety goal with purpose!

2019 - Month	MNM	Coal	Totals	Difference	Totals	2018 - Month	MNM	Coal
January	0	2	2	+1	1	January	1	0
February					2	February	0	2
March					3	March	1	2
April					1	April	1	0
May					1	May	1	0
June					3	June	2	1
July					1	July	1	0
August					1	August	1	0
September					2	September	0	2
October					6	October	5	1
November					2	November	2	0
December					4	December	0	4
2019 Total:	0	2	2	+1	27	2018 Total:	15	12

Product	Fatal #'s For 2019	2019 Total product	2018 Total product	2017 Total product
Alumina				0
Cement				2
Clay				
Coal	1-2	2	12	15
Copper			1	1
Diatomaceous Earth				1
Dimension Stone			1	
Gold Ore			2	2
Granite			1	1
Gypsum				
Kaolin				
Lead Ore			1	
Lime			1	
Limestone			1	2
Magnesite				
Phosphate				
Potash				
Sand & Gravel			6	3
Sandstone				
Shale				
Silver Ore				
Stone				1
Titanium				
Traprock			1	

State (2019)	Total	MNM	Coal	Fatal #
Alabama				
Illinois	1	0	1	C1
Indiana				
Iowa				
Kentucky	1	0	1	C2
Michigan				
Montana				
Nevada				
New Mexico				
New York				
North Dakota				
Pennsylvania				
Texas				
Virginia				
Washington				
West Virginia				

Part 48 = 2	Part 46 = 0
All Coal = 2	Non Metal SUR#
Metal: UG = 0 SUR = 0	

Month	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	TOTAL	AVG
January	2	1	2	3	5	1	3	2	1	4	3	25	2.5
February		2	3	1	1	5	5	3	3	0	4	27	2.7
March		3	3	3	5	2	3	5	2	1	2	29	2.9
April		1	0	2	0	6	3	2	2	33	4	53	5.3
May		1	2	2	4	6	1	5	1	6	3	31	3.1
June		3	3	4	3	6	3	2	4	6	5	39	3.9
July		1	4	2	2	2	4	4	2	3	2	26	2.6
August		2	2	1	4	3	3	2	3	4	1	25	2.5
September		1	3	3	2	3	3	5	4	1	4	29	2.9
October		6	4	1	0	3	5	1	6	6	3	35	3.5
November		2	0	0	0	6	5	4	4	3	2	26	2.6
December		4	2	3	3	3	4	1	4	5	2	31	3.1
Total:	2	27	28	25	29	46	42	36	36	72	35	376	3.13/mo
										UBB			

Average over past 10 years (2009-2018) = 38 per year

Average over past 5 years (2014-2018) = 31 per year

Focus on your safety goal with purpose!

2019 - MNM Fatal

Fatal #1 – N/A

Preliminary:

Cited Regulation:

Root Cause:

Best Practices:

<i>Use the following links to view additional information:</i>		
Preliminary Report	Fatal Alert	Final Report

2019 - Coal Fatal

Fatal #1 – Machinery – UG

Illinois

Preliminary: On Saturday, January 5, 2019, at approximately 3:00 am, a 55-year-old miner with 28 years mining experience was performing outby laborer work when he received fatal injuries. He was pinned between a pneumatically powered air lock equipment door and the concrete rib barrier located near the shaft bottom. (Experience: 5 weeks at mine site and 1 day performing the activity)

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices: Fatal Alert is not currently available.

<i>Use the following links to view additional information:</i>		
Preliminary Report	Fatal Alert	Final Report

Fatal #2 – Powered Haulage – UG

Kentucky

Preliminary: On Monday, January 14, 2019, a fatal accident occurred involving a shuttle car.

Cited Regulation: Final Report is not currently available.

Root Cause: Final Report is not currently available.

Best Practices: Fatal Alert is not currently available.

<i>Use the following links to view additional information:</i>		
Preliminary Report	Fatal Alert	Final Report

2019 - Coal Fatal

MSHA investigates all deaths on mine property; however, some deaths are unrelated to mining activity and are not counted in the statistics MSHA uses to assess the safety performance of the mining industry. These deaths are termed "[non-chargeable](#)" and include homicides, suicides, deaths due to natural causes, and deaths involving trespassers.

MSHA uses a formal Fatality Review Committee to determine whether a questionable death is chargeable. There are two (2) **2019 combined (Coal and MNM) mining accidents that are pending chargeability determination.**