

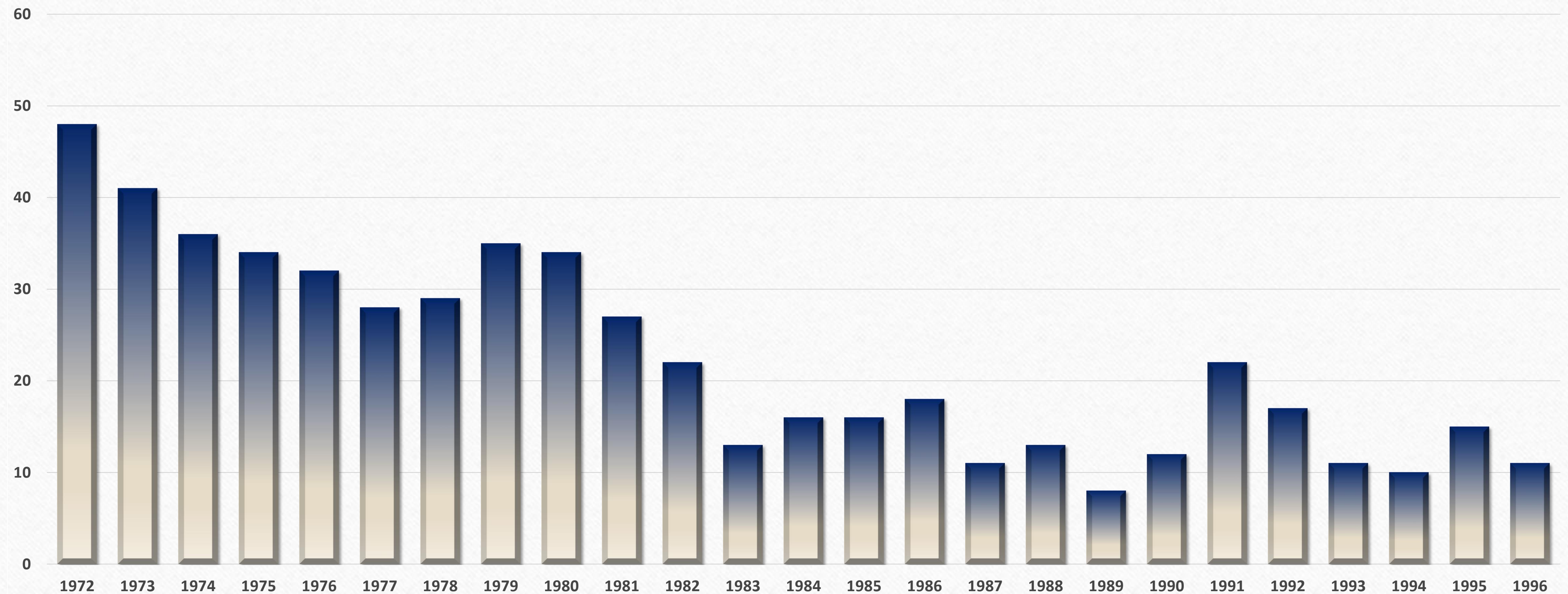
West Virginia Fatal Summary Report 1997-2019

INTRODUCTION

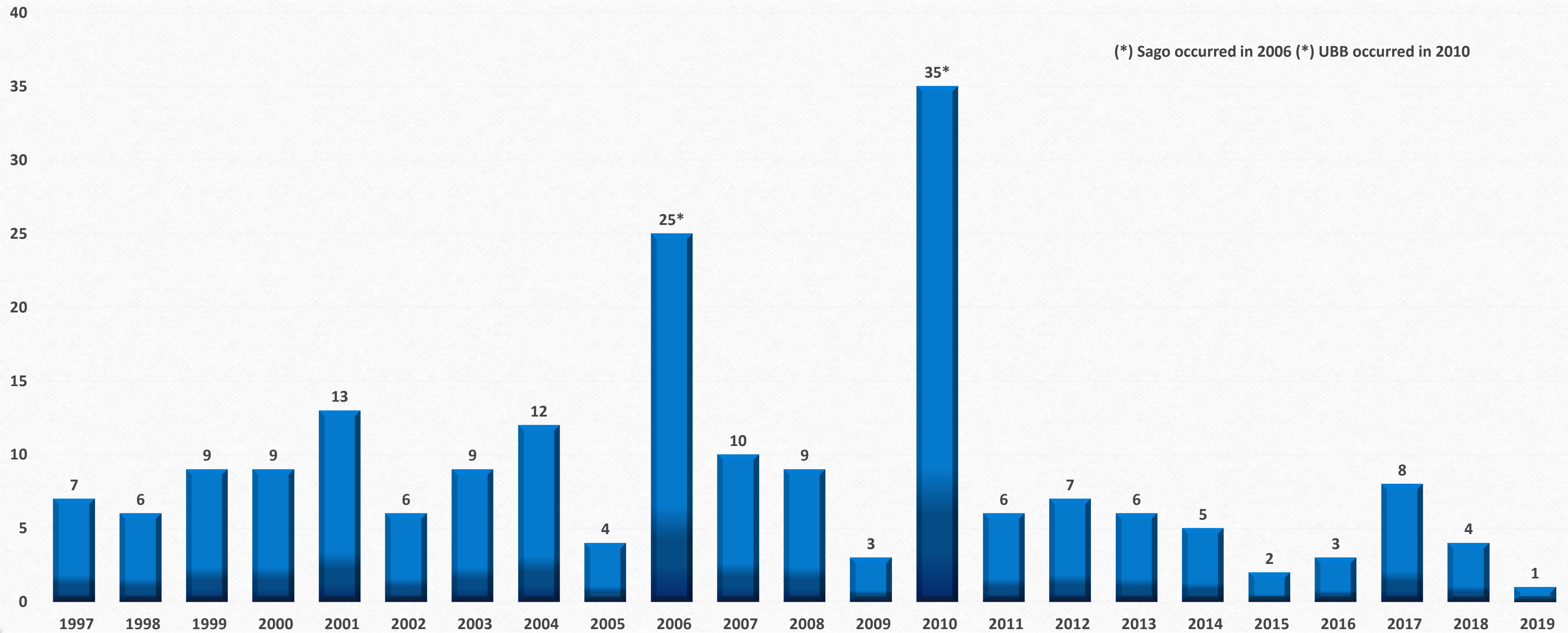
This study is being conducted on all fatal incidents that have occurred in West Virginia between 1997 and 2019.

The results concluded that 199 fatalities occurred with a total of 3,209 years of mining experience lost.

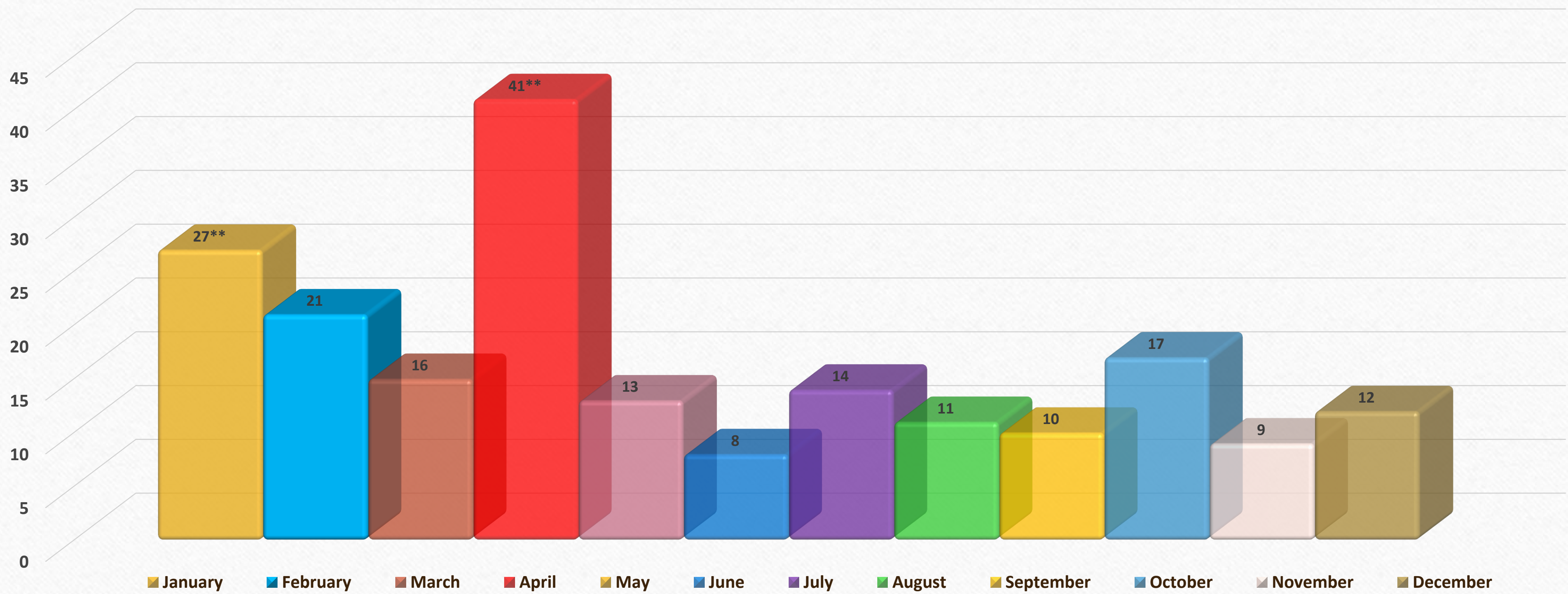
FATALITIES PER YEAR (1972-1996)



FATALITIES PER YEAR (1997-2019)

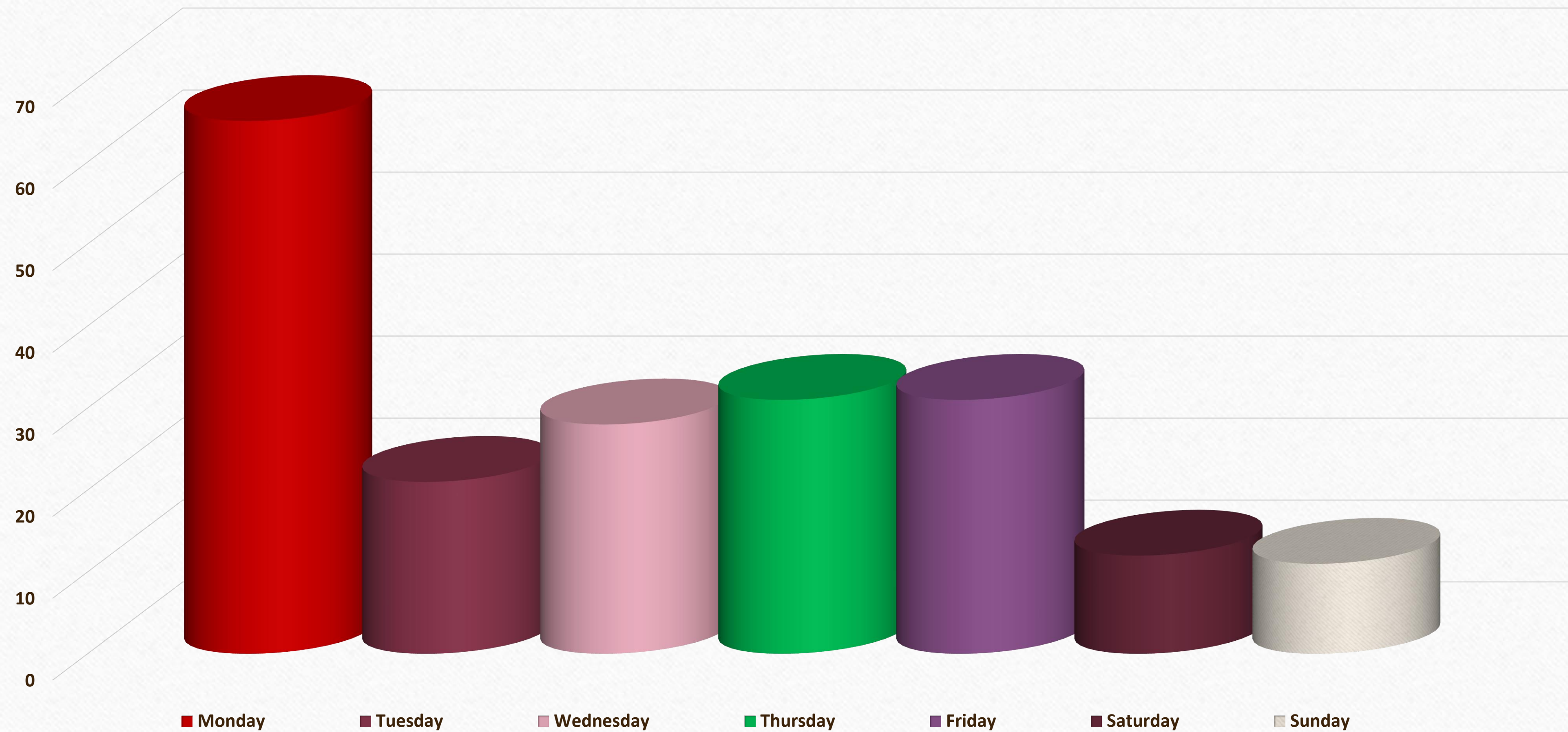


FATALITIES PER MONTH



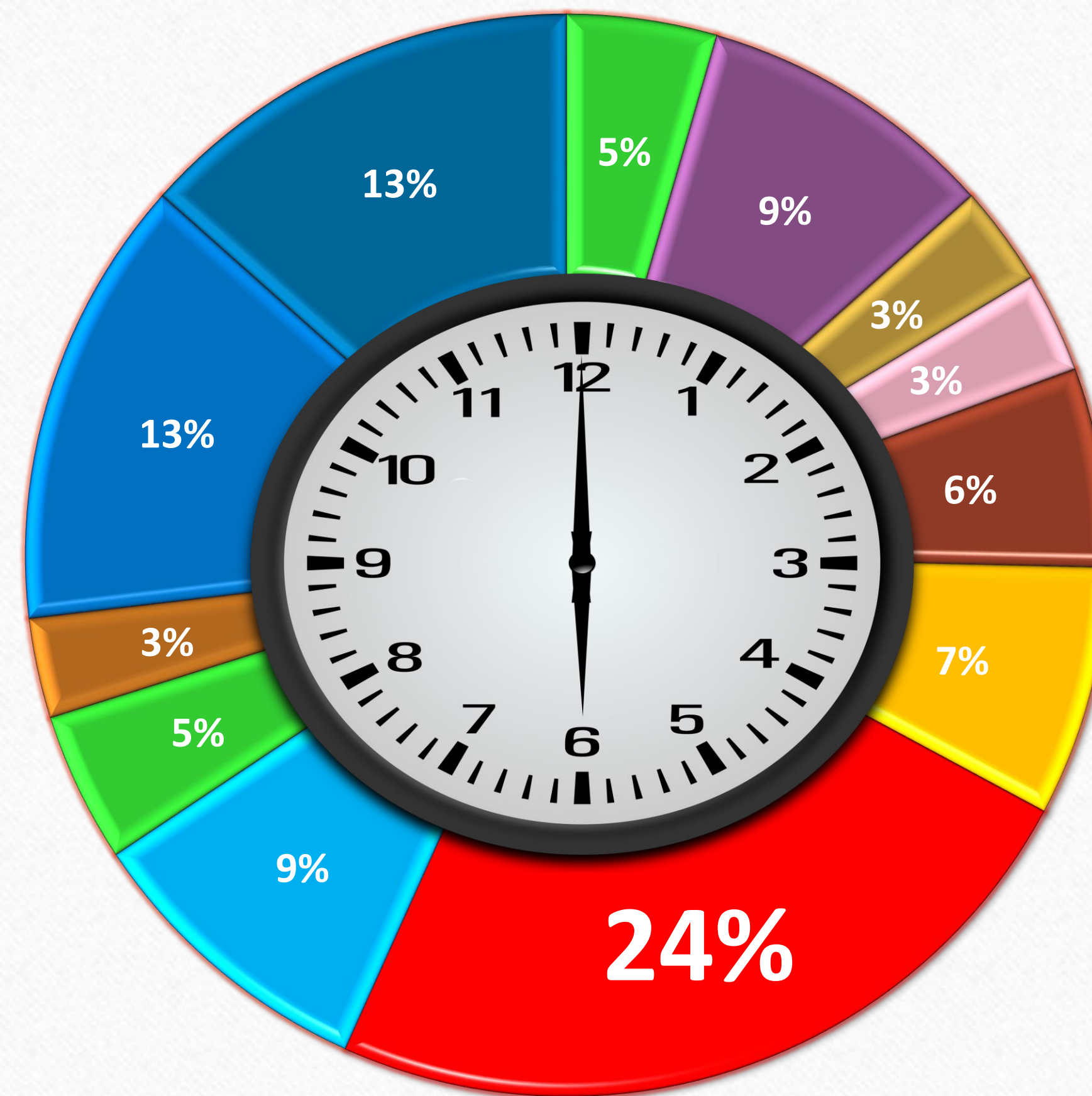
(*) Sago occurred in January (**) UBB occurred in April

FATALITIES PER DAY OF WEEK

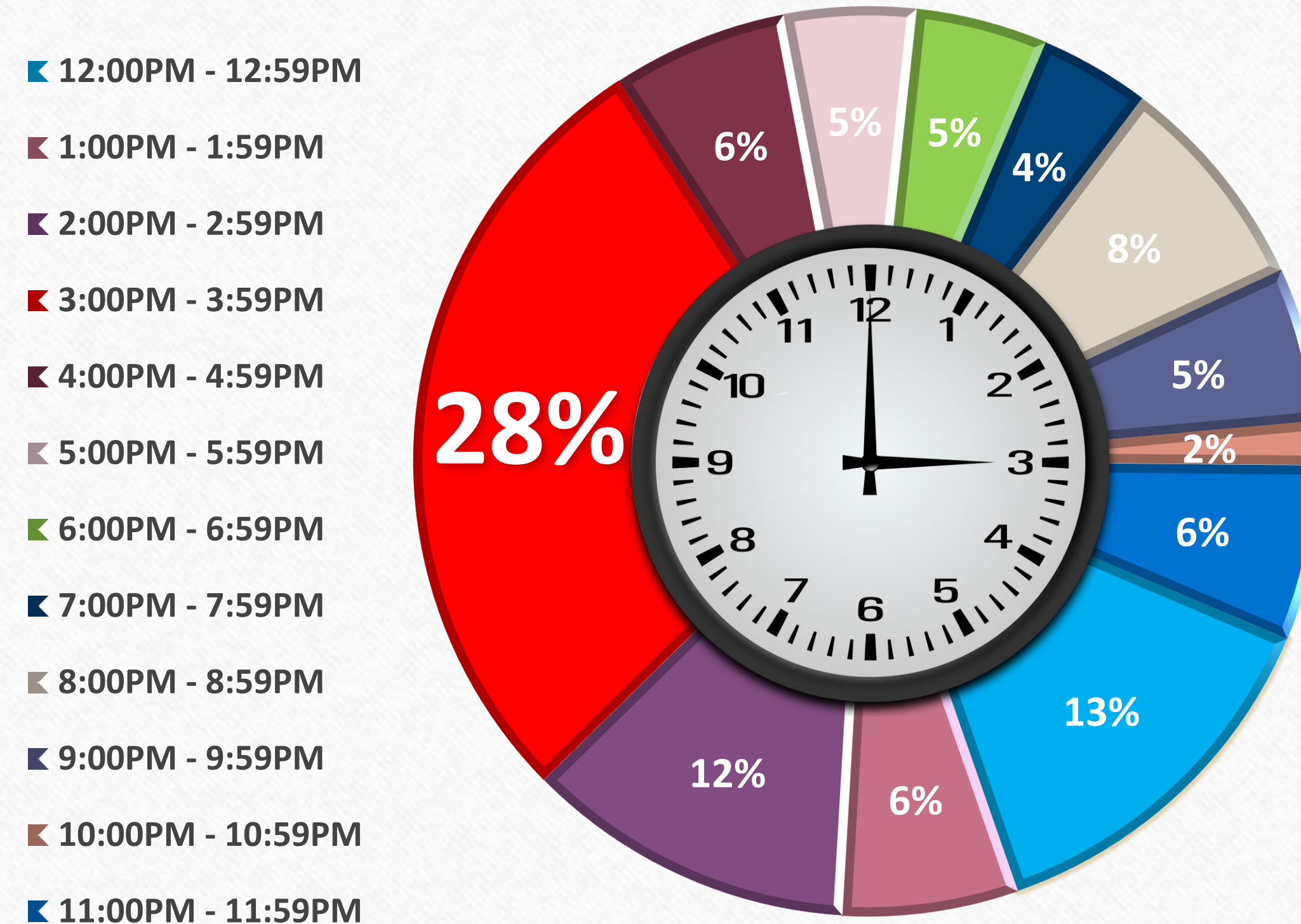


24% OF A.M. FATALITIES OCCURRED BETWEEN 6AM AND 7AM

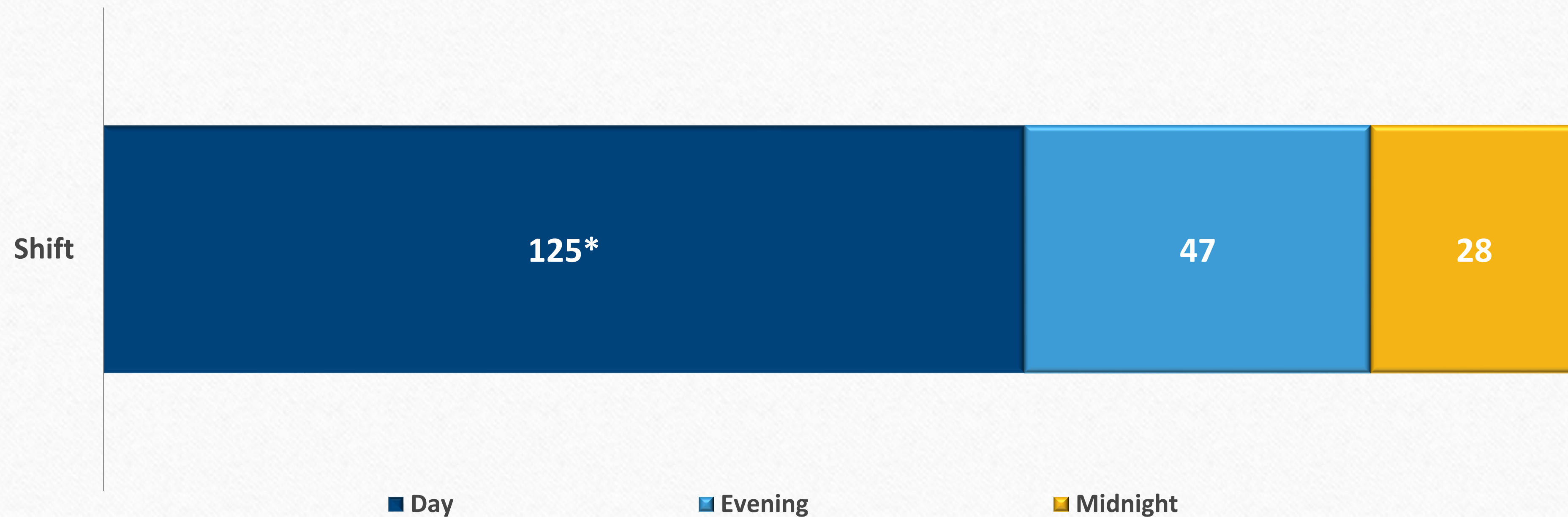
- 12:00AM-12:59AM
- 1:00AM - 1:59AM
- 2:00AM - 2:59AM
- 3:00AM - 3:59AM
- 4:00AM - 4:59AM
- 5:00AM - 5:59AM
- 6:00AM - 6:59AM
- 7:00AM - 7:59AM
- 8:00AM - 8:59AM
- 9:00AM - 9:59AM
- 10:00AM - 10:59AM
- 11:00AM -11:59AM



28% OF P.M. FATALITIES OCCURRED BETWEEN 3PM AND 4PM

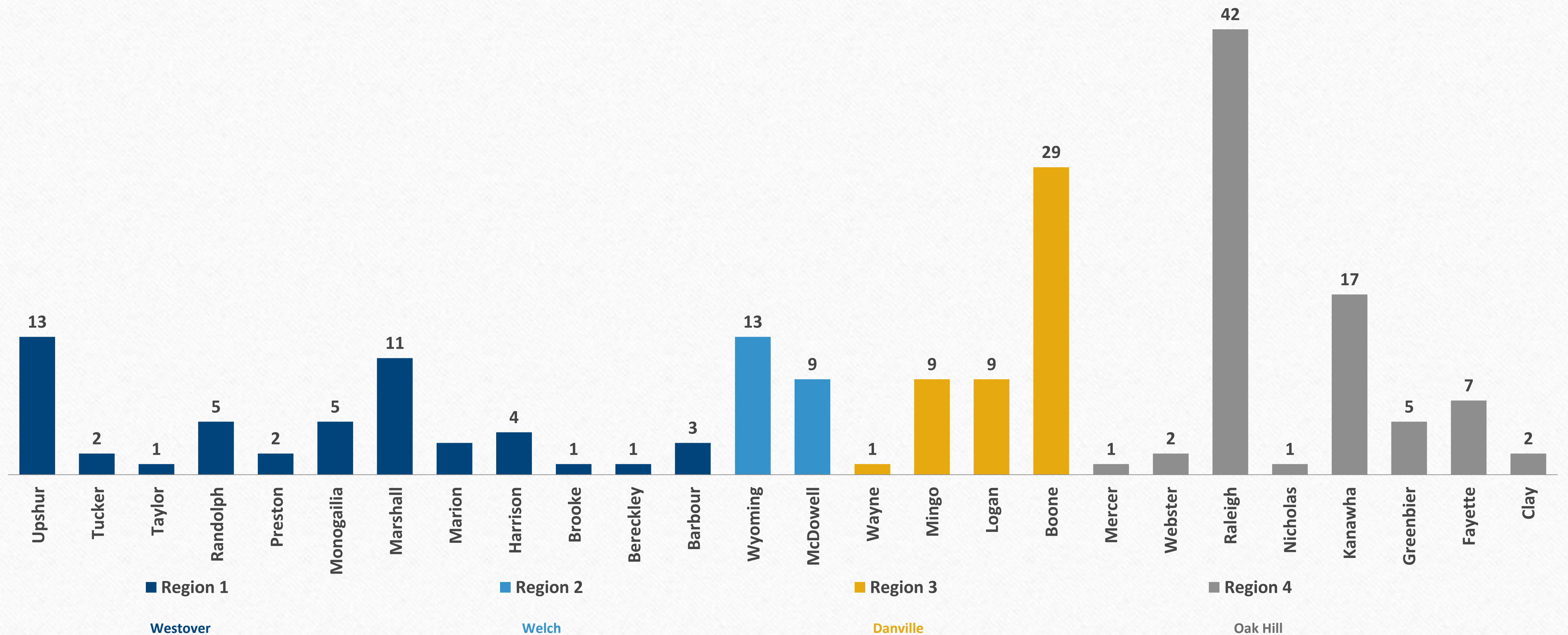


FATALITIES PER SHIFT



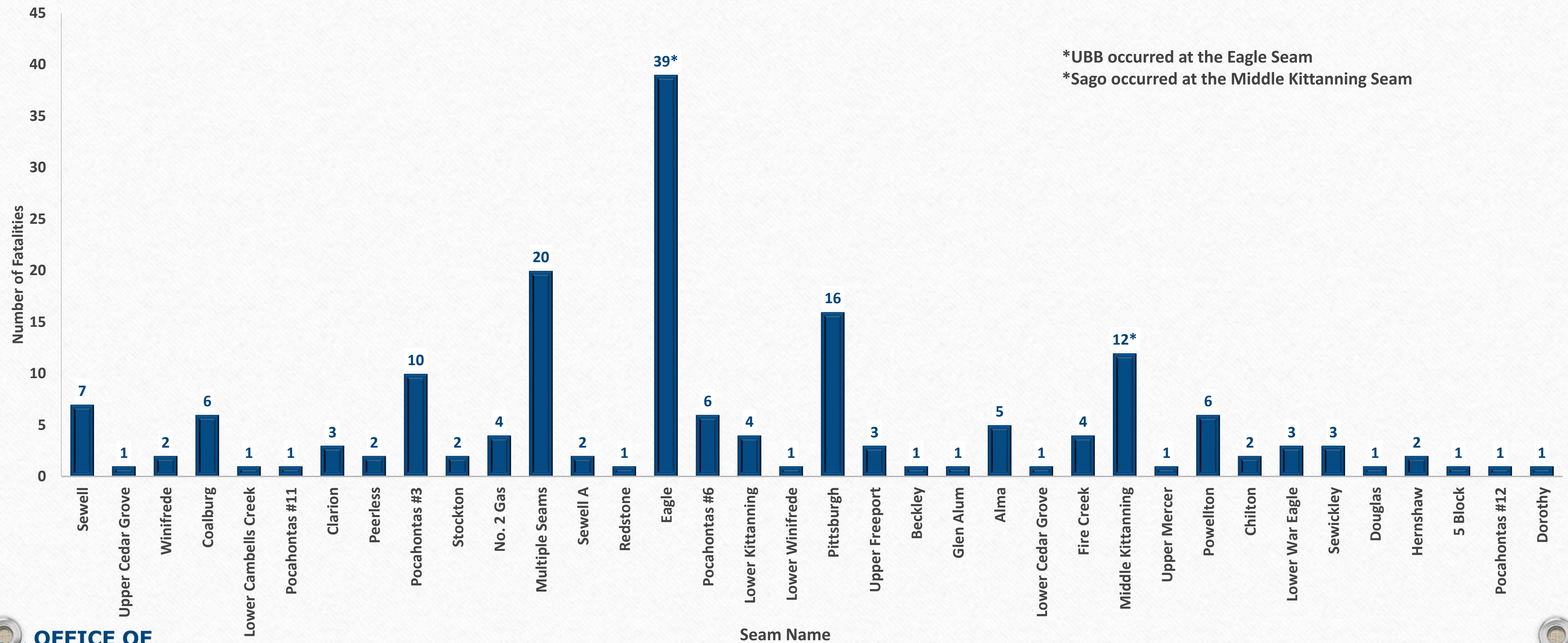
Day 8am-4pm | Evening 4pm-12am | Midnight 12am-8am

FATALITIES PER REGION AND COUNTY



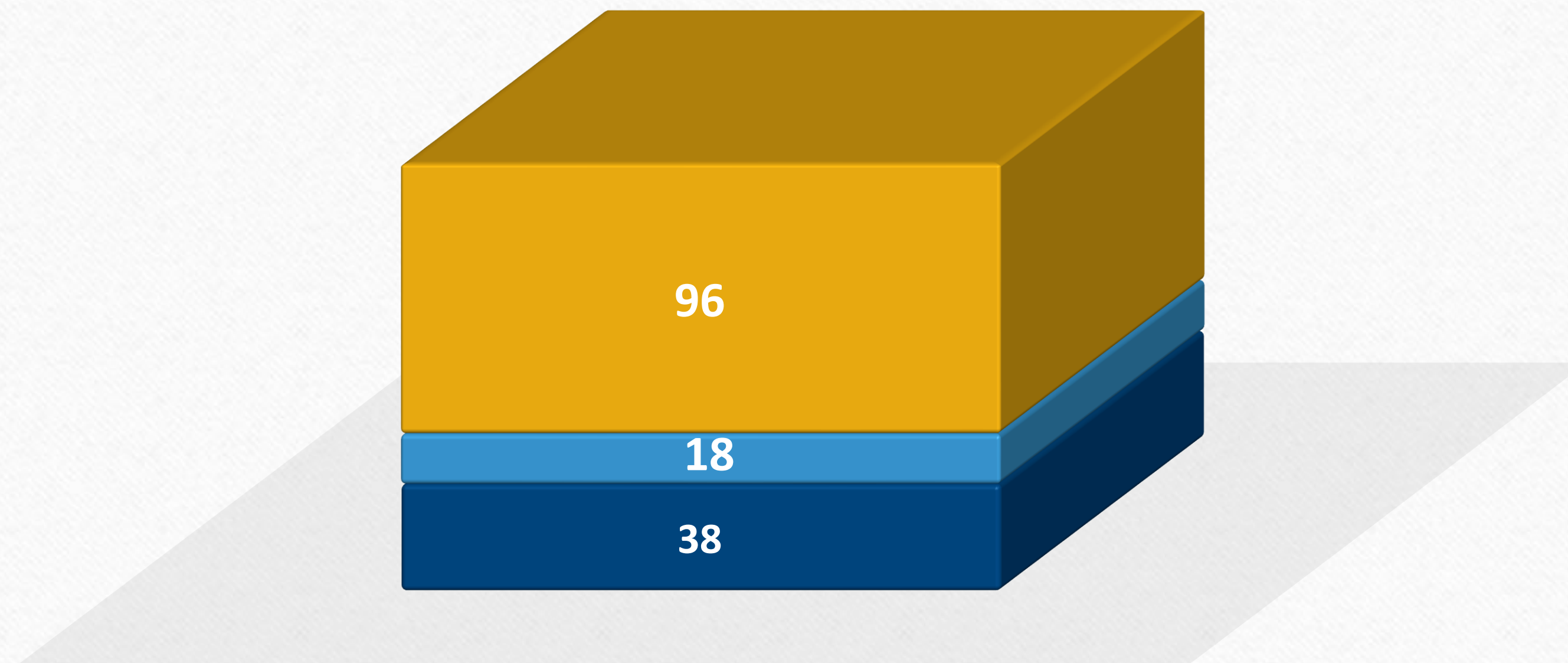
(*) Sago occurred in Upshur (**) UBB occurred in Raleigh

FATALITIES PER COAL SEAM

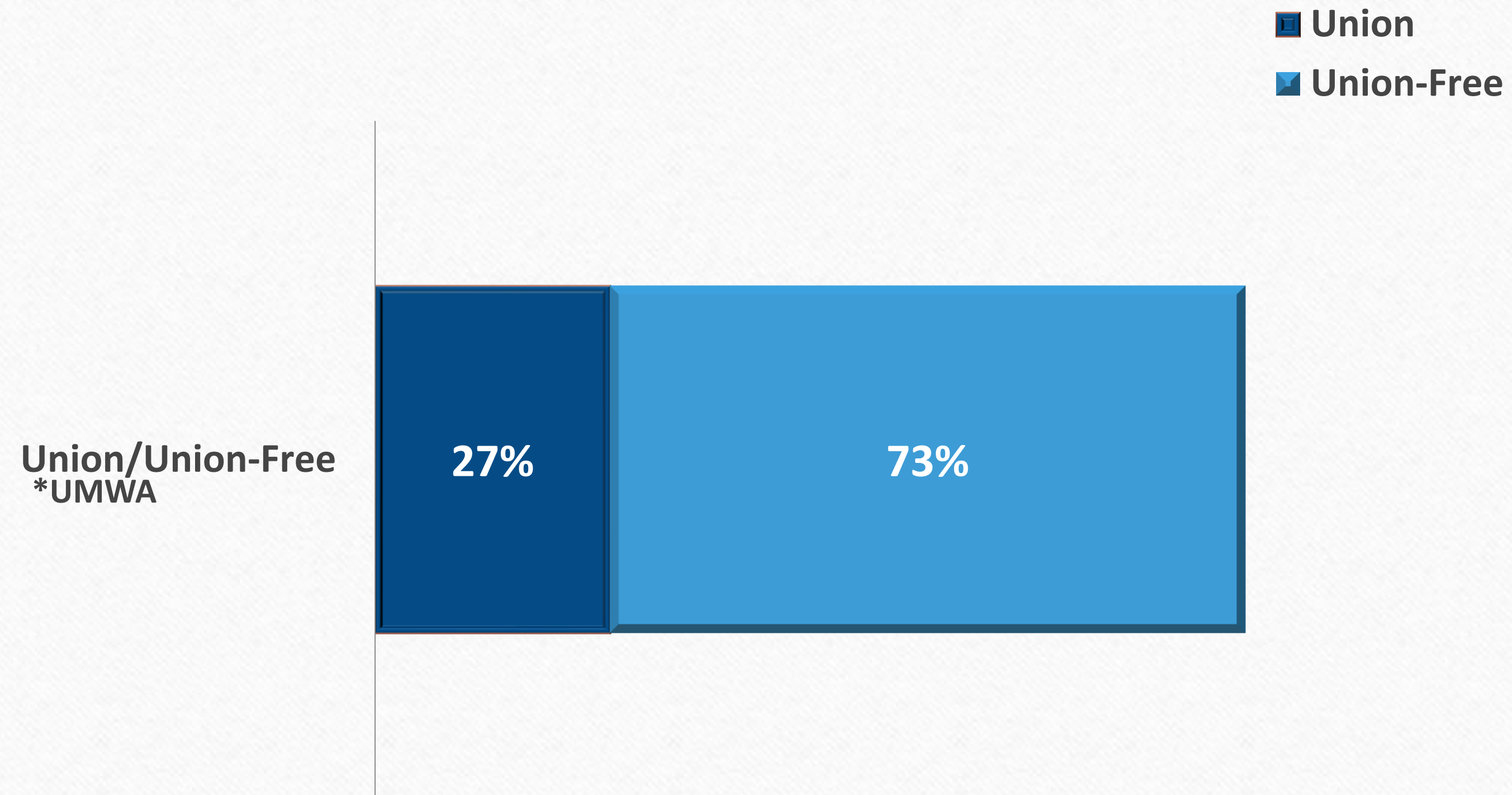


FATALITIES PER SEAM HEIGHT

■ 48" & Under ■ Both ■ 49" & Up

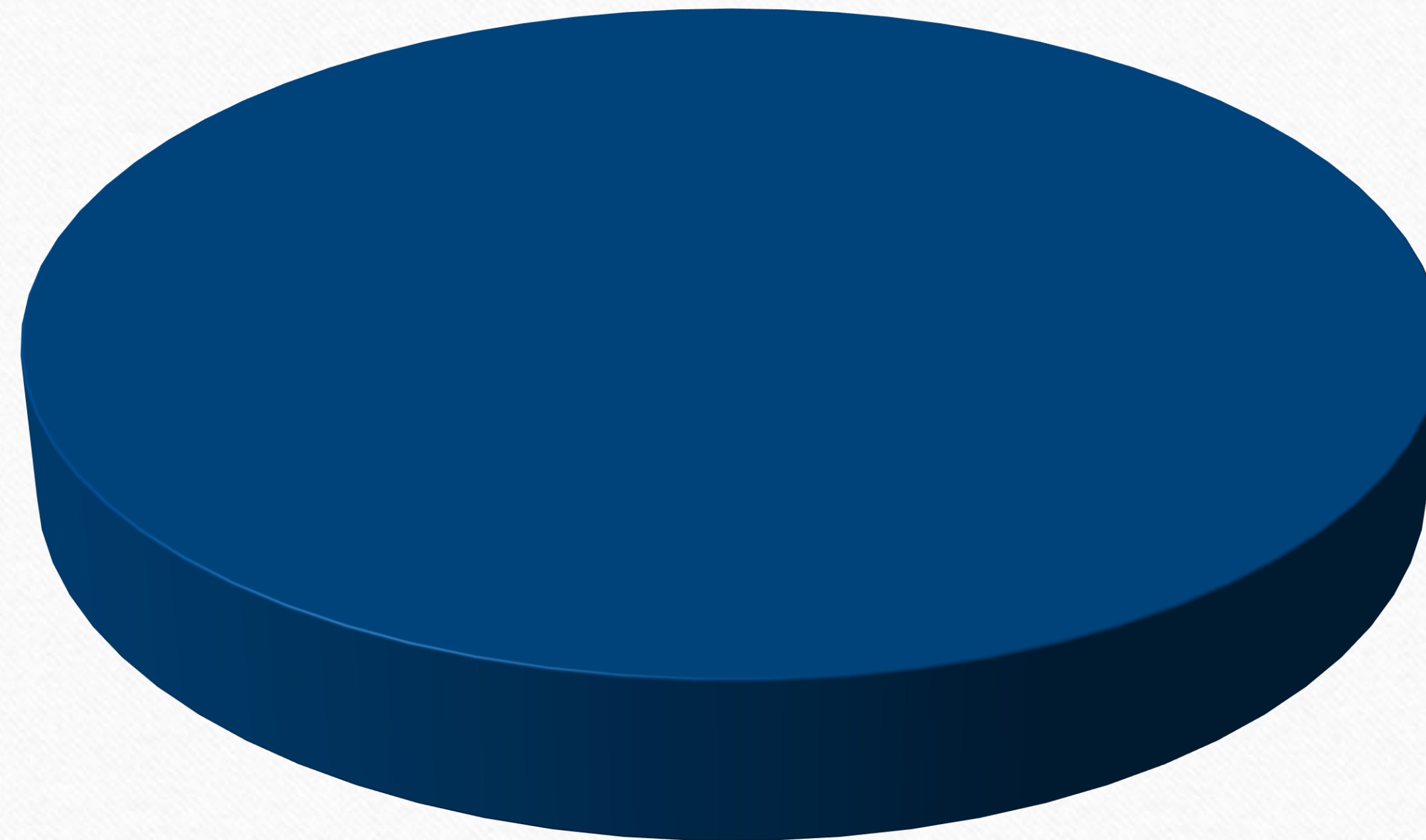


WORKER FATALITIES



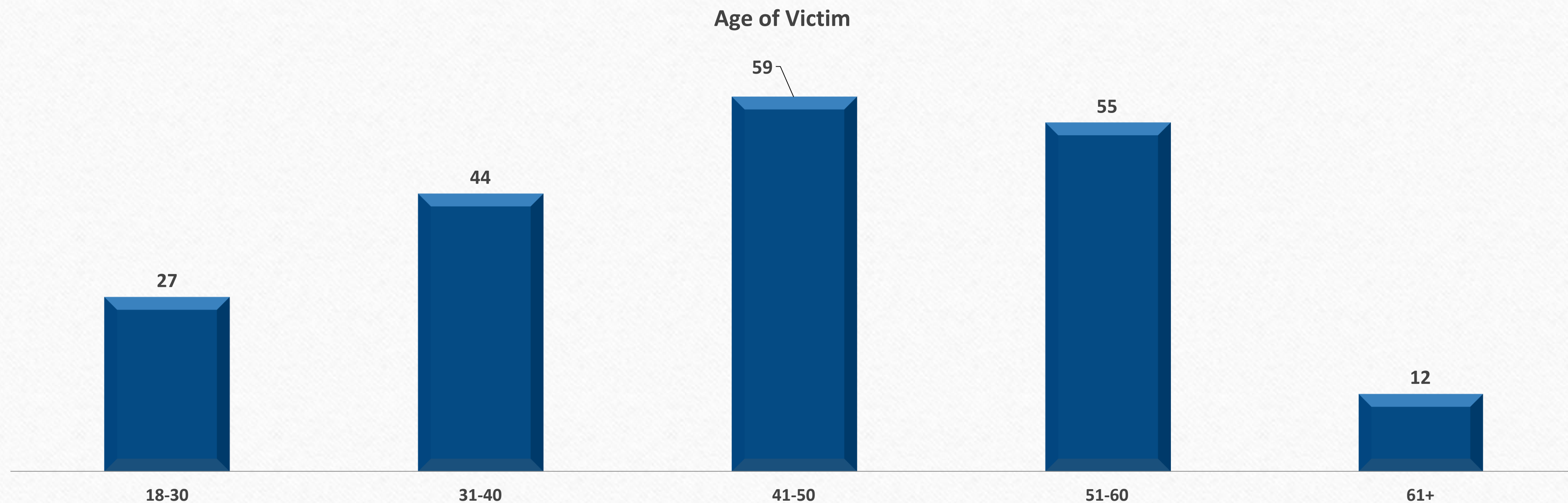
FATALITIES PER GENDER

100% are Male



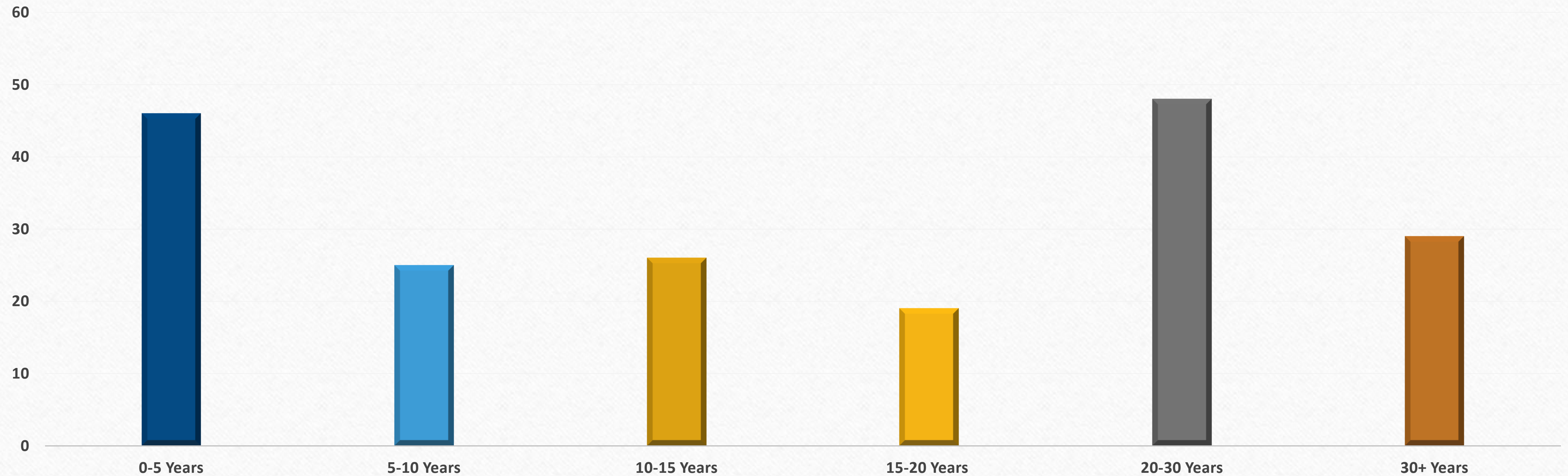
■ Male ■ Female

54% OF MINE FATALITY VICTIMS ARE BETWEEN THE AGES OF 41 AND 50

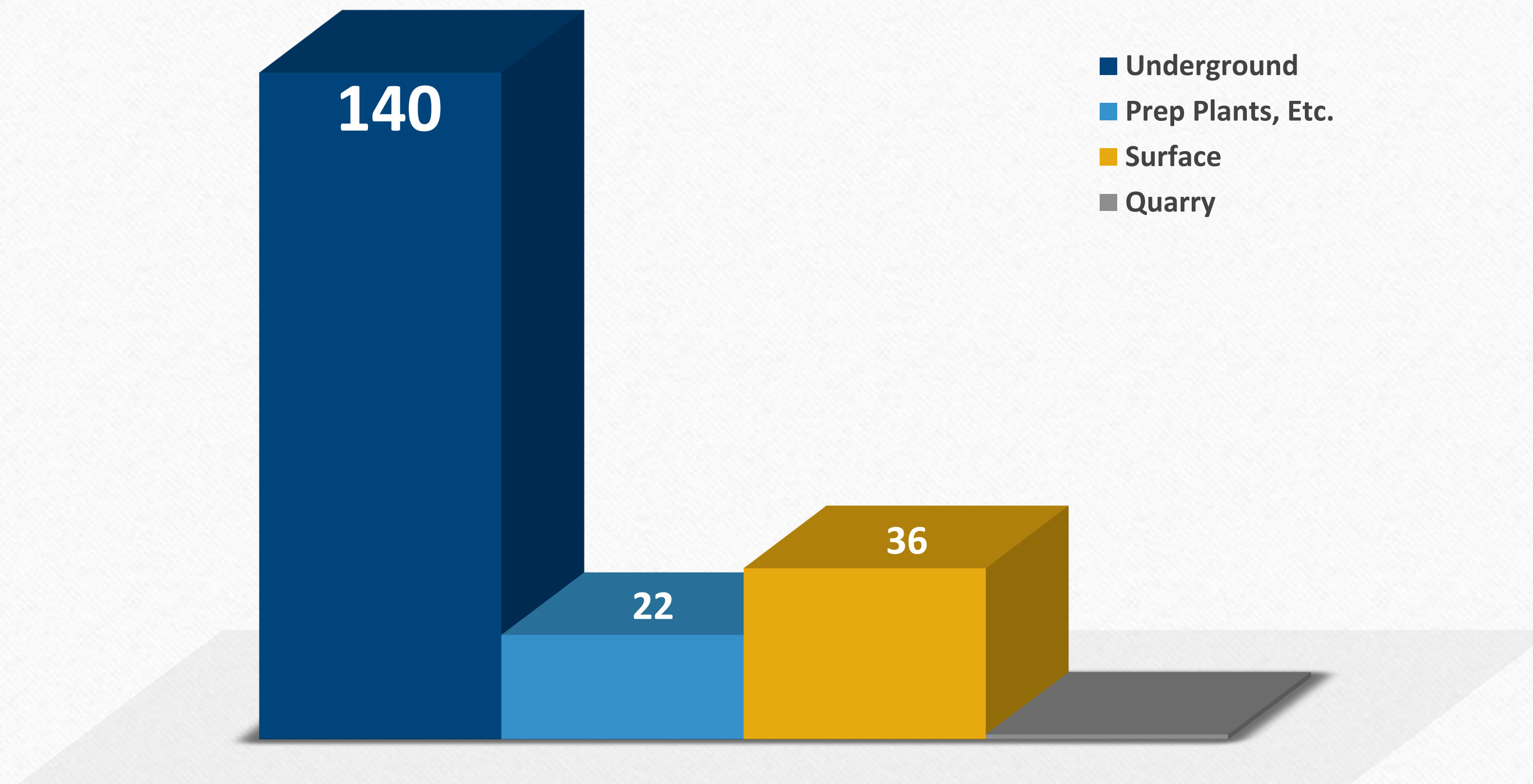


FATALITIES PER MINE EXPERIENCE

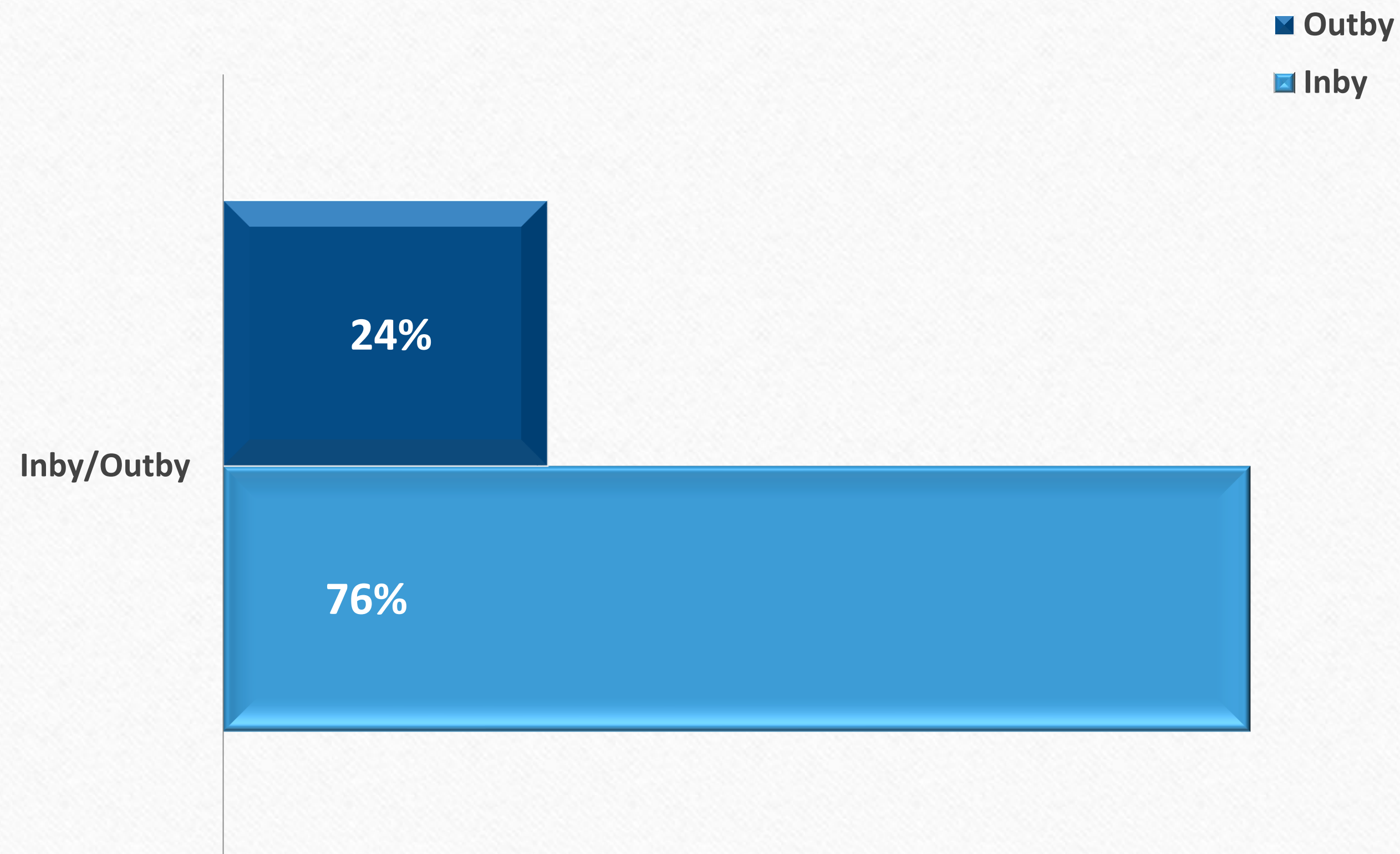
FATALITIES DO NOT DISCRIMINATE



THE MAJORITY OF MINE FATALITIES OCCUR UNDERGROUND

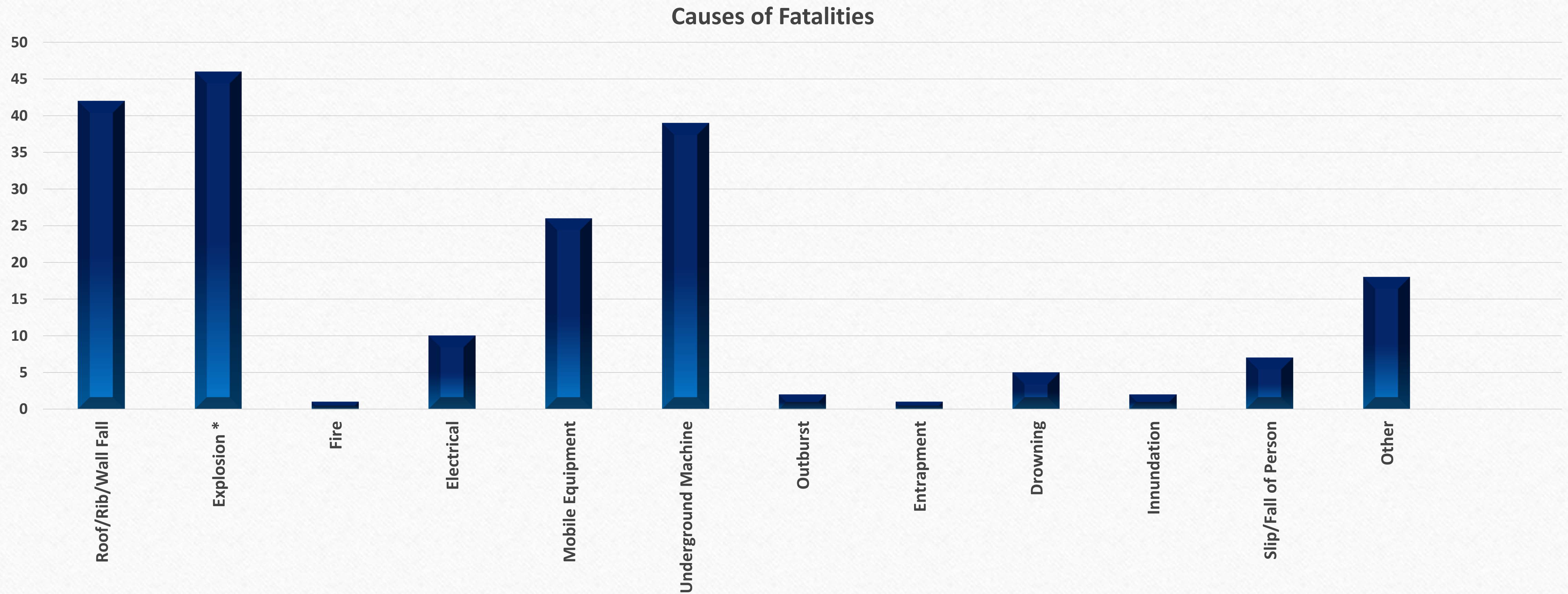


SEVENTY-SIX PERCENT OF UNDERGROUND MINE FATALITIES ARE LOCATED INBY.



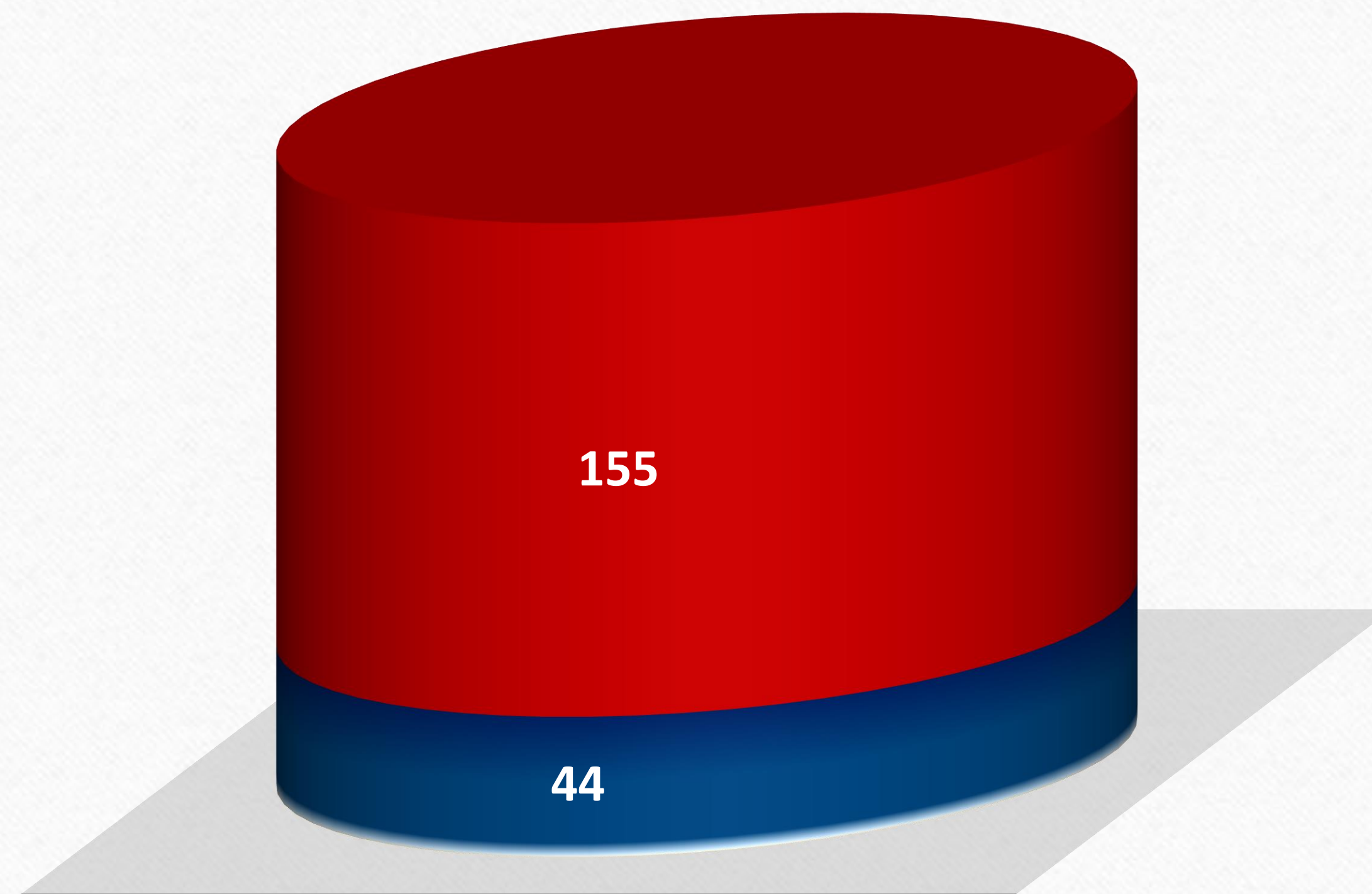
Outby – Dumping point to outside
Inby – Dumping point to face

LEADING CAUSE OF MINING FATALITIES



* 29 miners died from the explosion at UBB
* 12 miners died from the explosion at Sago

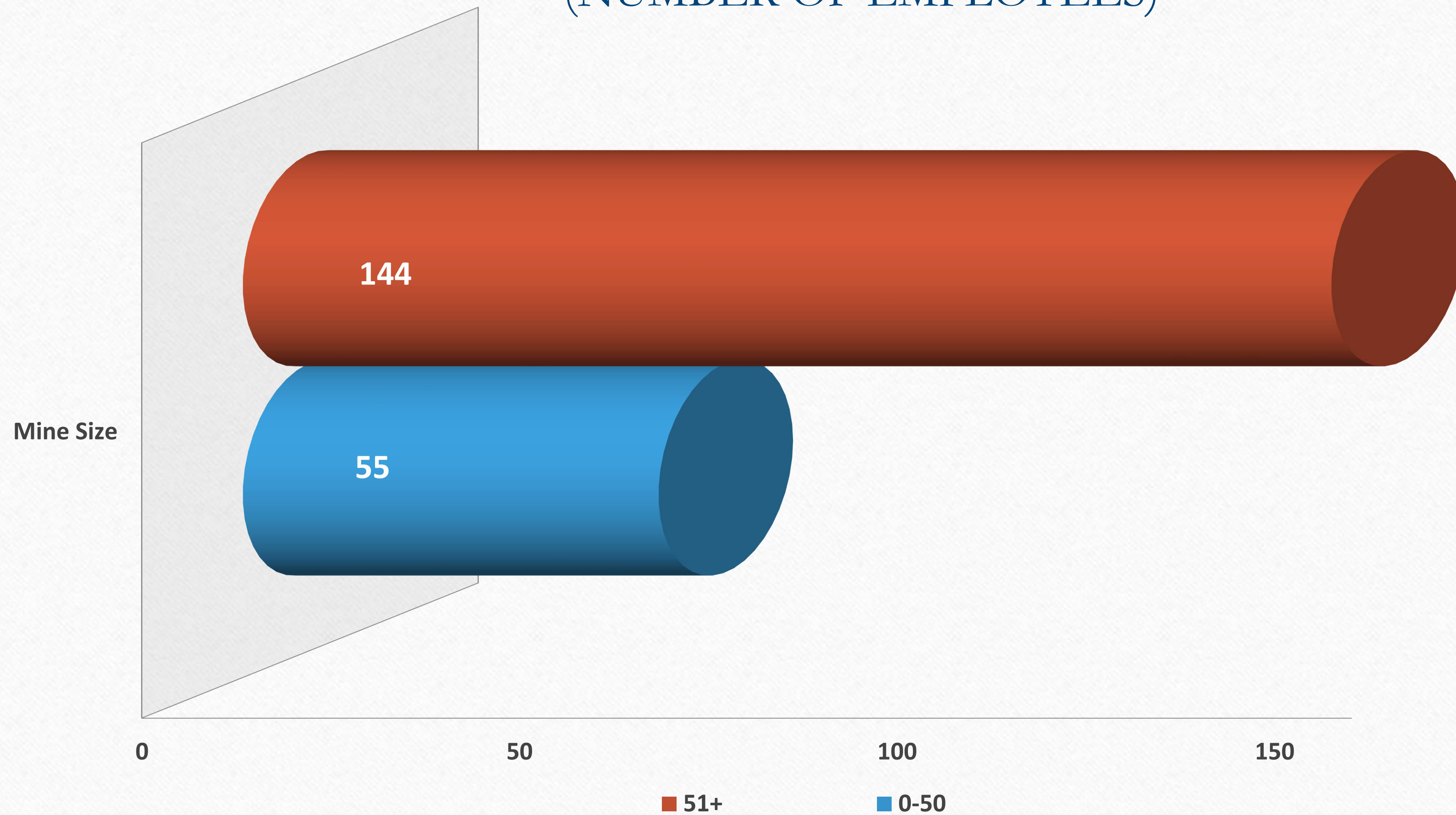
ROOF, WALL OR RIB FALL FATALITIES



■ Roof, Wall or Rib Falls ■ Other Factors

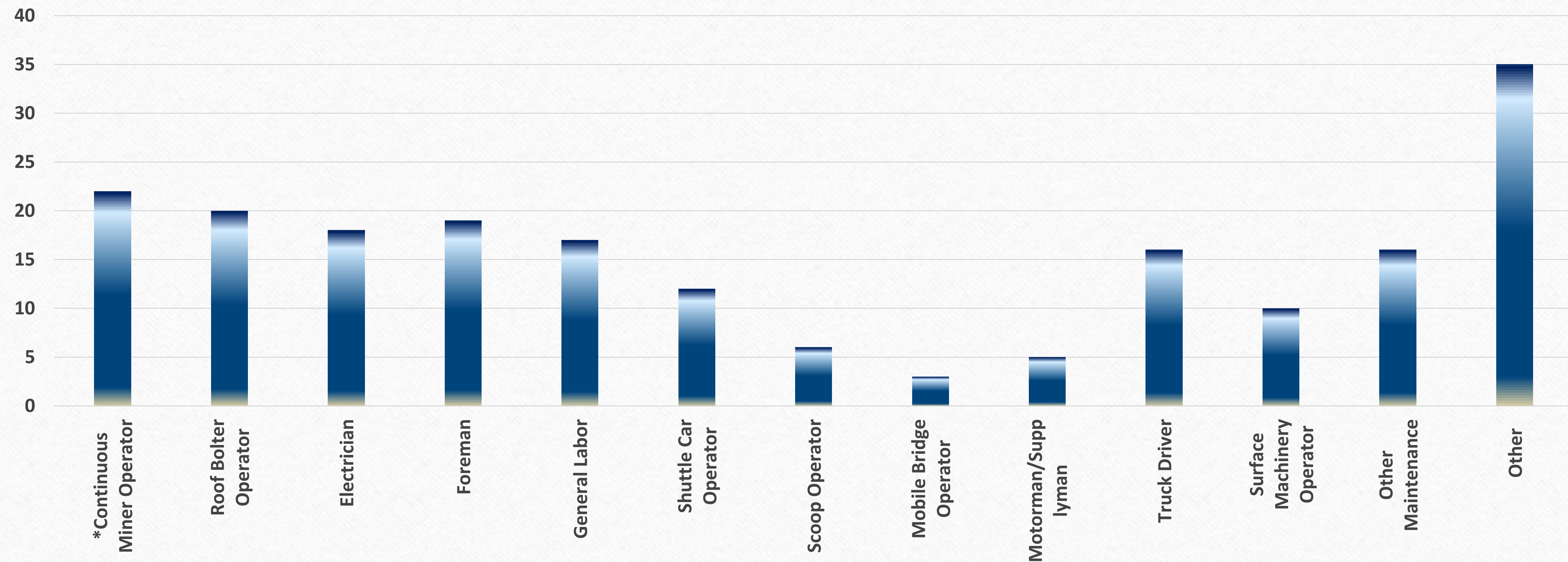
FATALITIES PER MINE SIZE

(NUMBER OF EMPLOYEES)

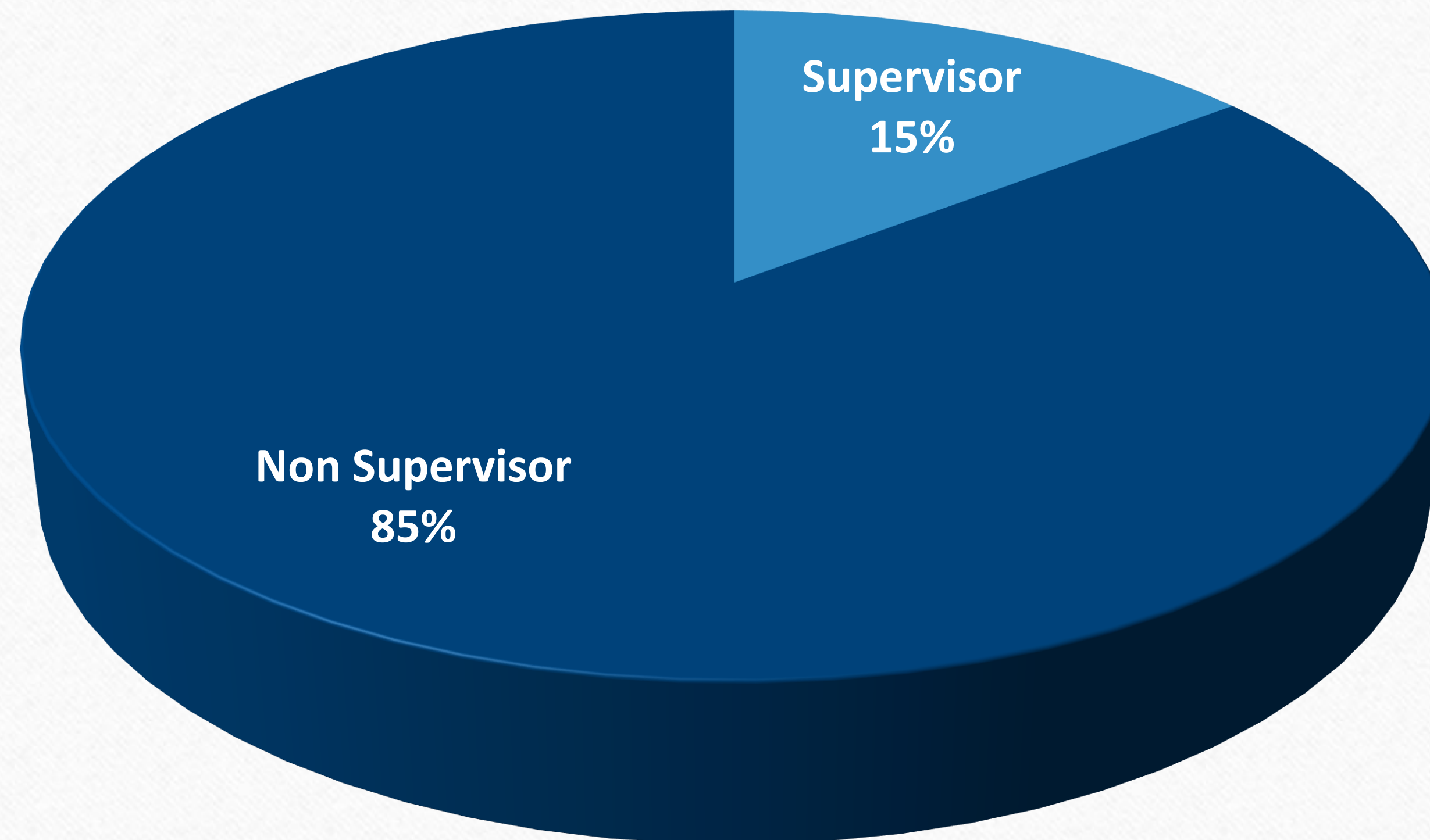


FATALITIES PER OCCUPATION

*CONTINUOUS MINER OPERATOR IS THE LEADING OCCUPATION FOR FATALITIES



FOURTEEN PERCENT OF FATALITIES ARE SUPERVISORS



INDEPENDENT CONTRACTORS ACCOUNT FOR 20% OF FATALITIES

