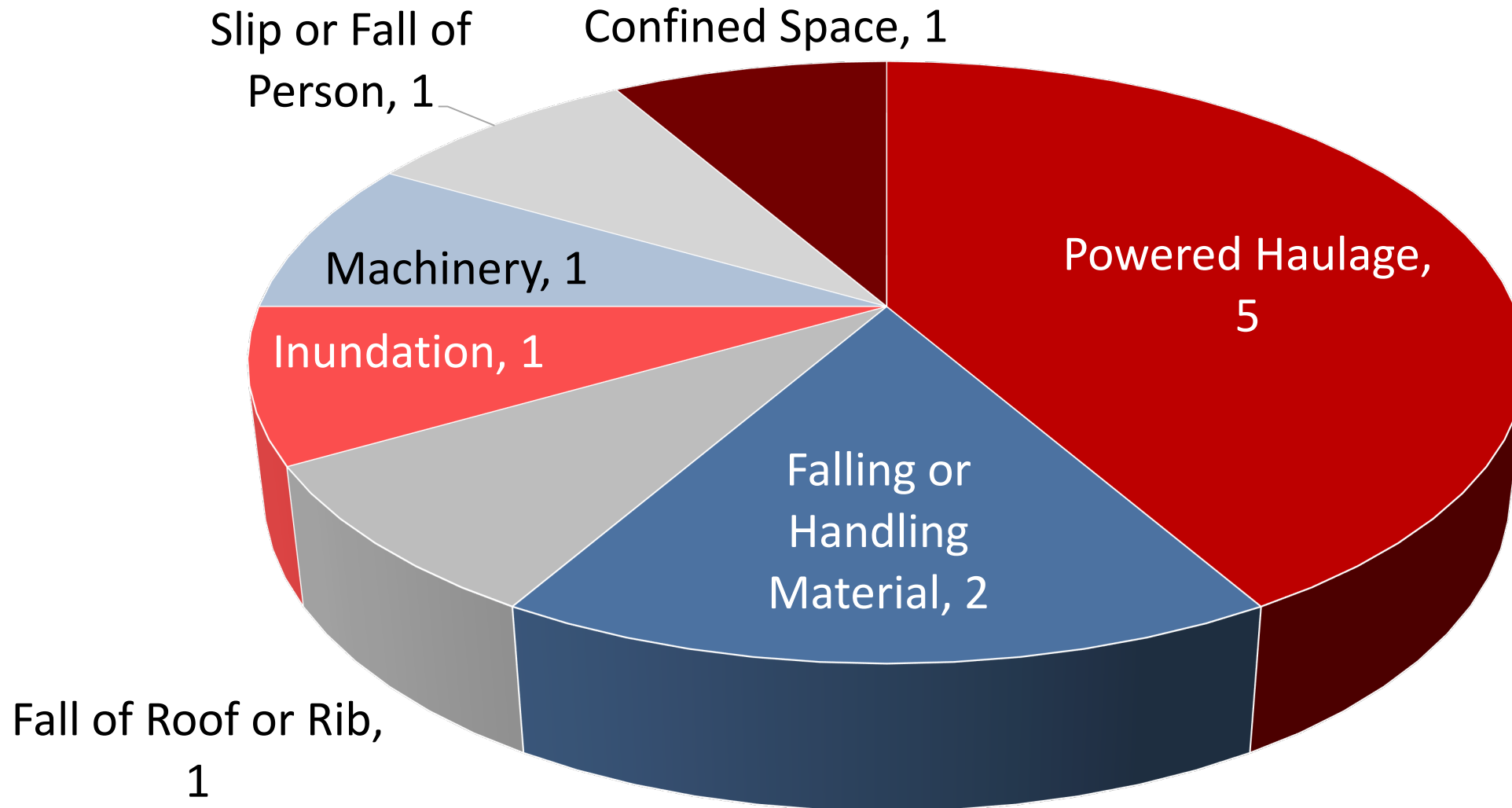


# 2021 MSHA Fatalities

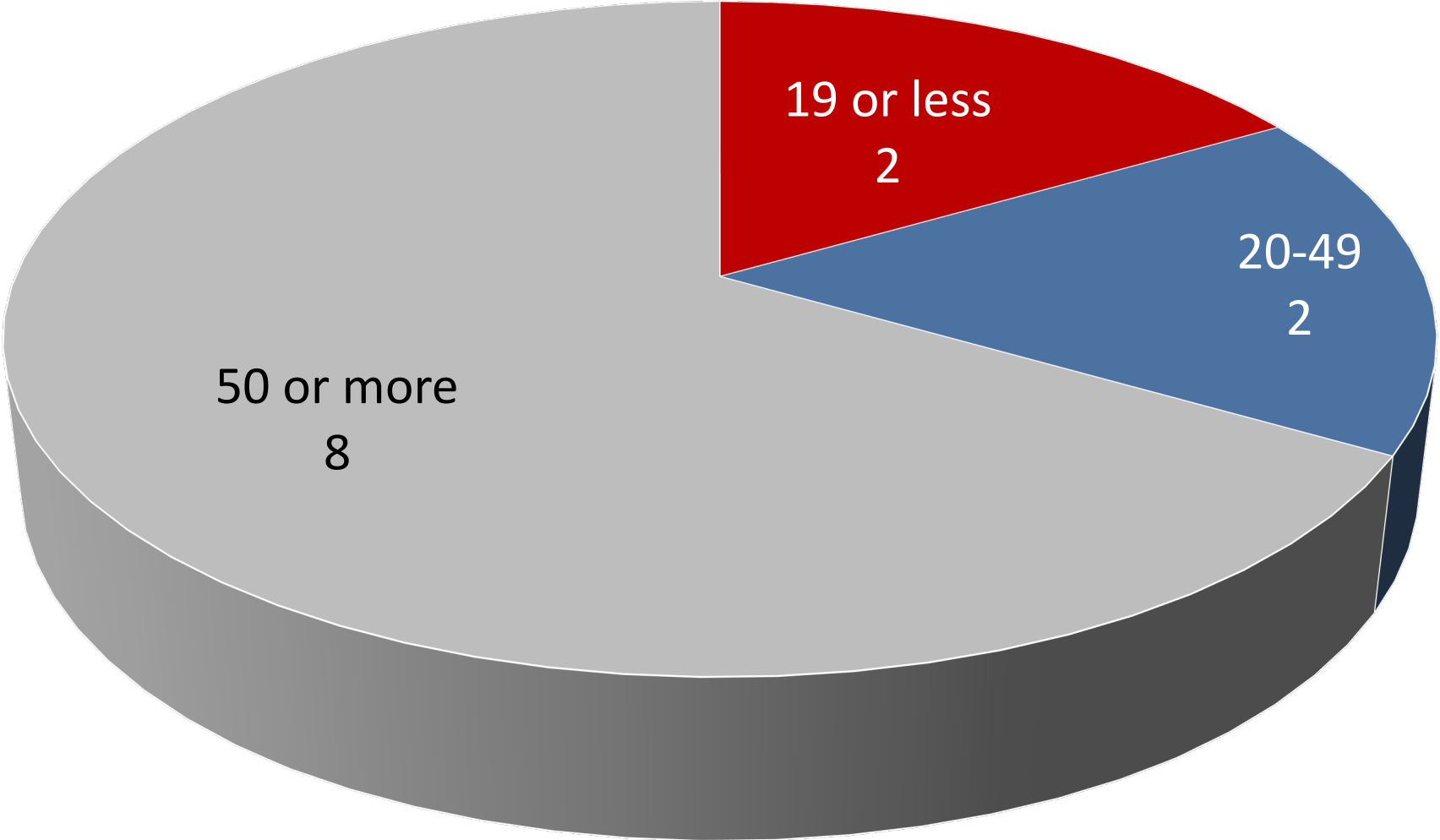
6/9/21 – 9/21/21

MSHA Stakeholder Meeting  
September 29, 2021

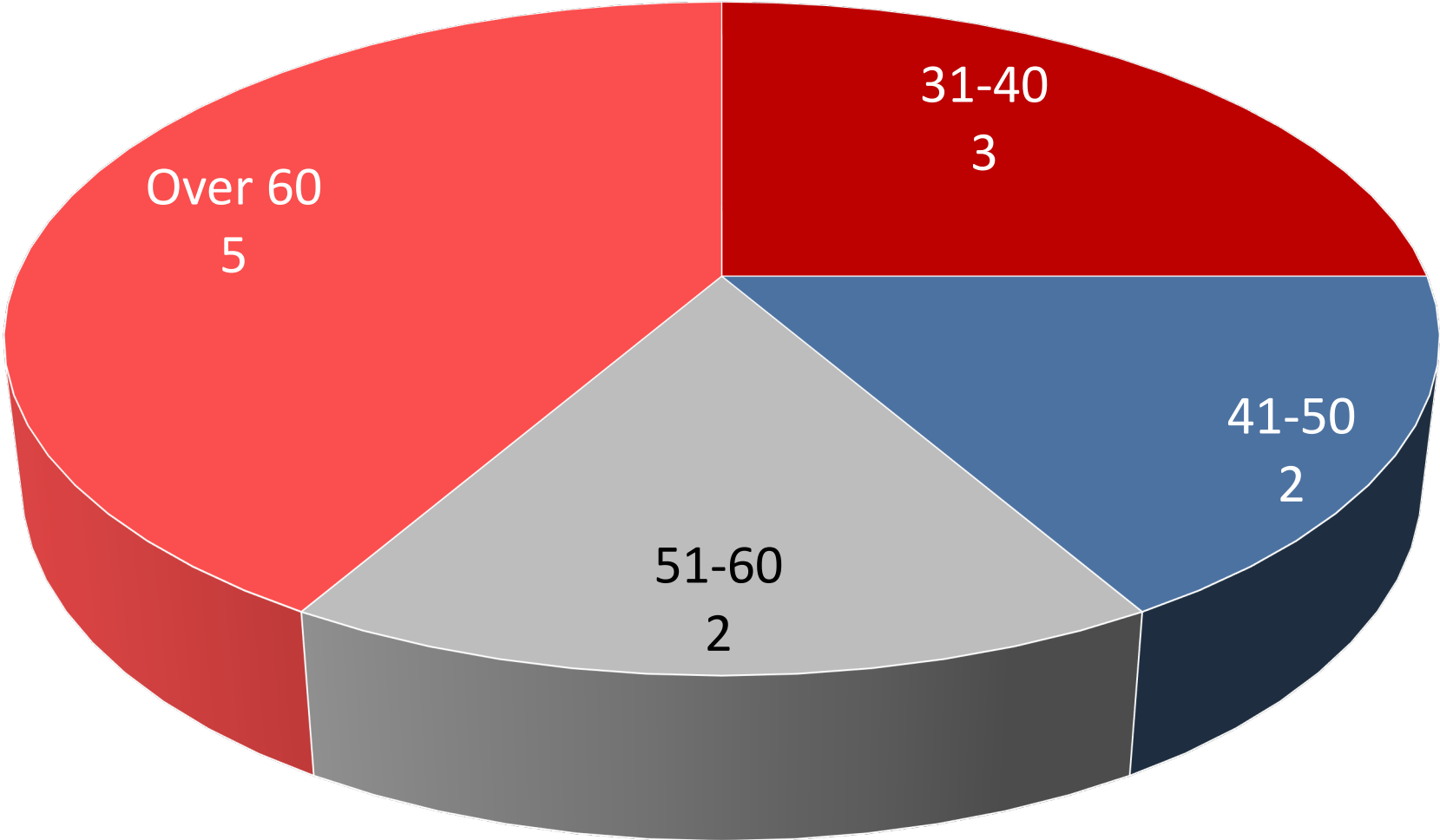
# Accident Classifications



# Number of Employees

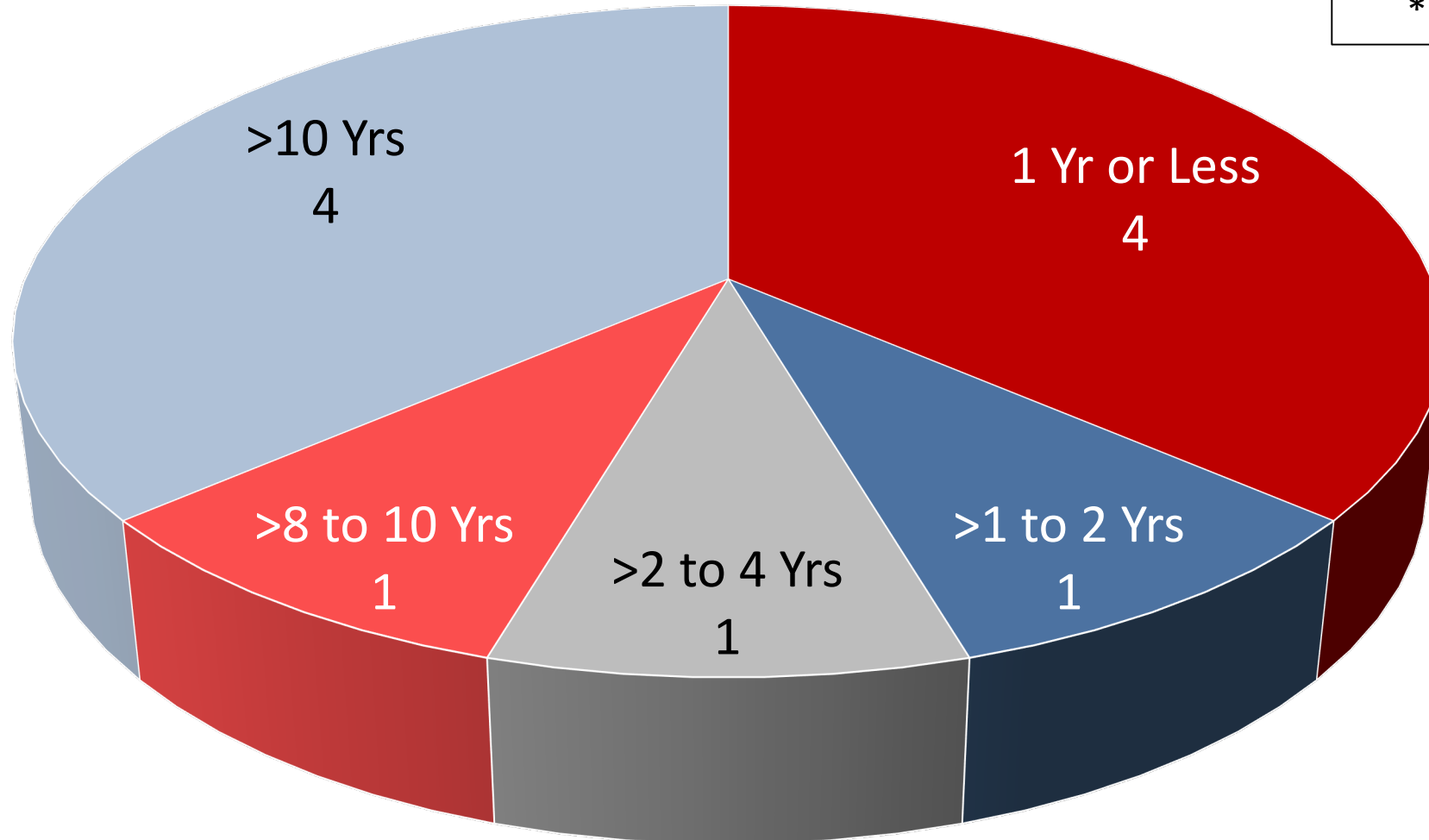


# Age

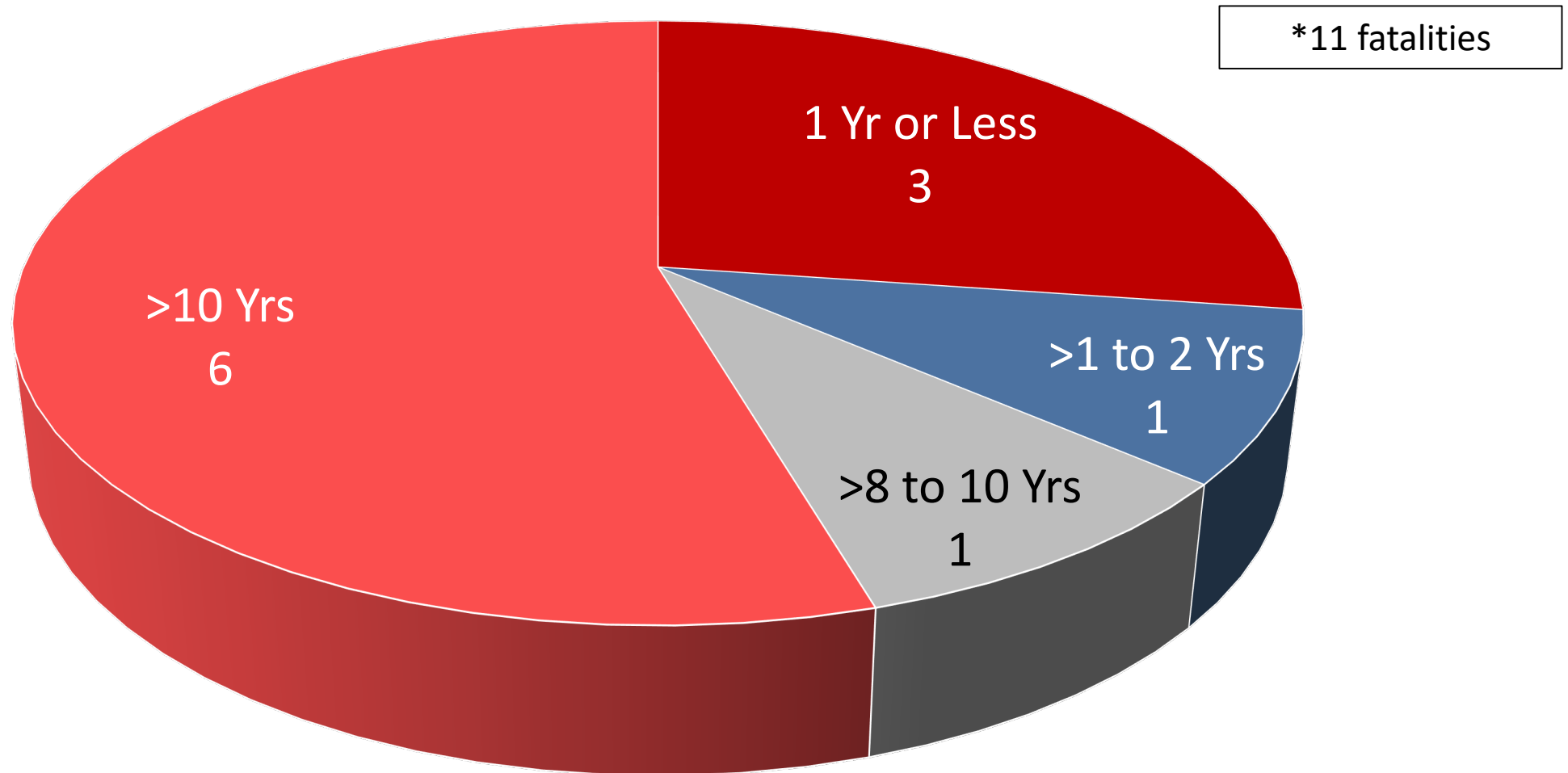


# Experience at the Mine

\*11 fatalities



# Experience at the Activity





Two miners traveling in a personnel carrier collided with a locomotive traveling in the opposite direction.



A contract employee, who was not wearing fall protection when a wooden board broke, fell 23 feet onto a concrete floor.



A rock fell from 40 feet striking a miner in a personnel lift.



A miner was standing on a rock ledge when a triangular section of the rock broke, causing him to fall approximately 47 feet.



A miner was working under a boom while removing the boom pins when he was struck by the boom.



A miner drowned during a flash flood while traveling in a personnel carrier to go to the mine portal.



A miner was run over by a customer tractor-trailer while walking to his work area.



A contract truck driver was run over when his truck rolled forward while he conducted a pre-operational examination of the truck.





A person entered a trench to search for gold when the walls of the trench collapsed on him.



A truck driver was found lying in front of his truck near the edge of the haul road. The truck was upright and in the opposite direction of the expected route of travel.



While welding a pipe joint, a welder entered the pipe to troubleshoot issues related to argon gas leakage. Coworkers found him unresponsive inside the pipe.

# Best Practices

# Powered Haulage

- Establish and maintain effective communication protocols that require identification, location, and intended route of travel.
- Make sure vehicle is in park and brake is set. Block parked mobile equipment against motion. Adequately chock wheels or turn wheels into a bank.

# Fall of Material, Machinery, Fall of Person

- Use scaling equipment, suitable for the mining height, to maintain safe ground conditions.
- Never perform work under raised machinery or equipment until it has been securely blocked and secured against motion.
- Use fall protection when a fall hazard exists. Ensure fall protection has a suitable fall arrest and secure anchorage system.

# Examinations, Inundation

- Examine working places to identify loose ground or unstable conditions before work begins, after blasting, and as changing ground conditions warrant. Ensure examiners have adequate training and experience to recognize potential hazards.
- Establish policies and procedures to provide adequate warning to all mine personnel of adverse weather conditions, e.g. flash floods, extreme winds, etc.