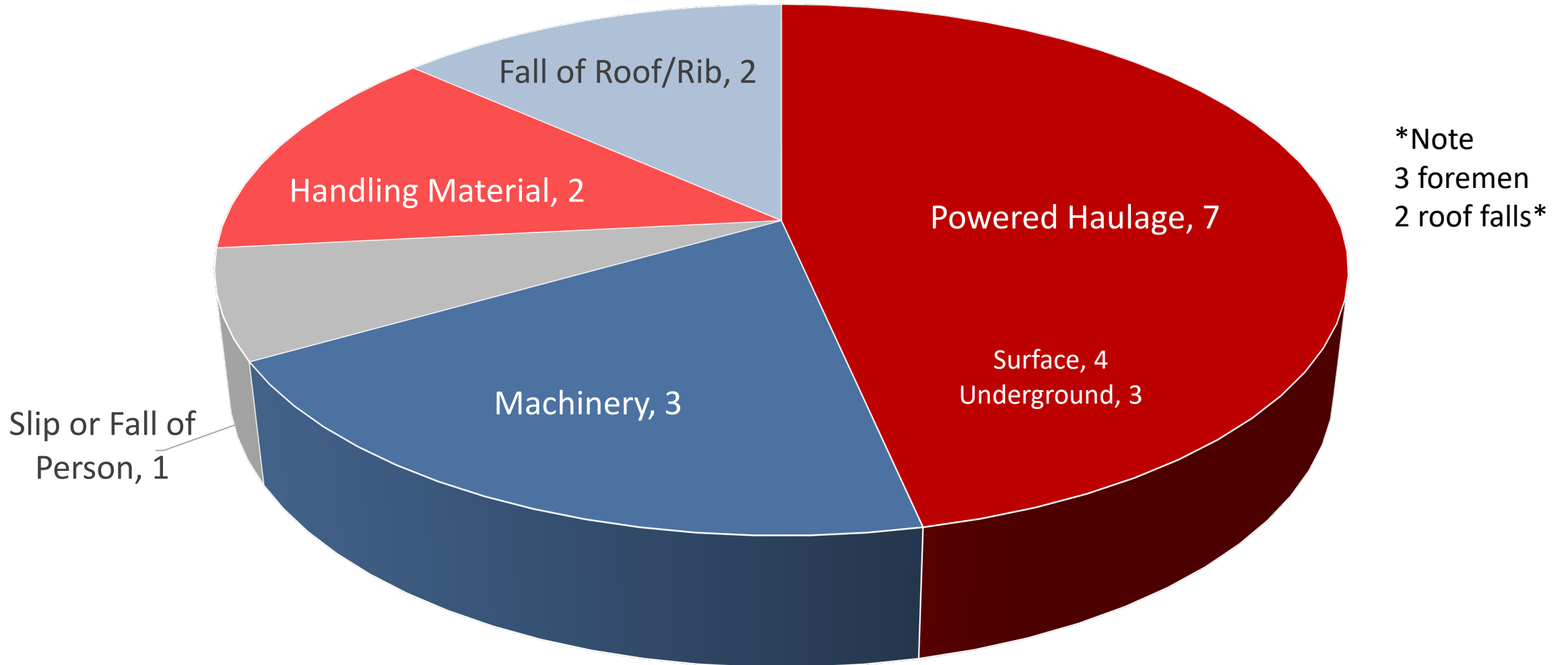


CY2021 MSHA Fatalities

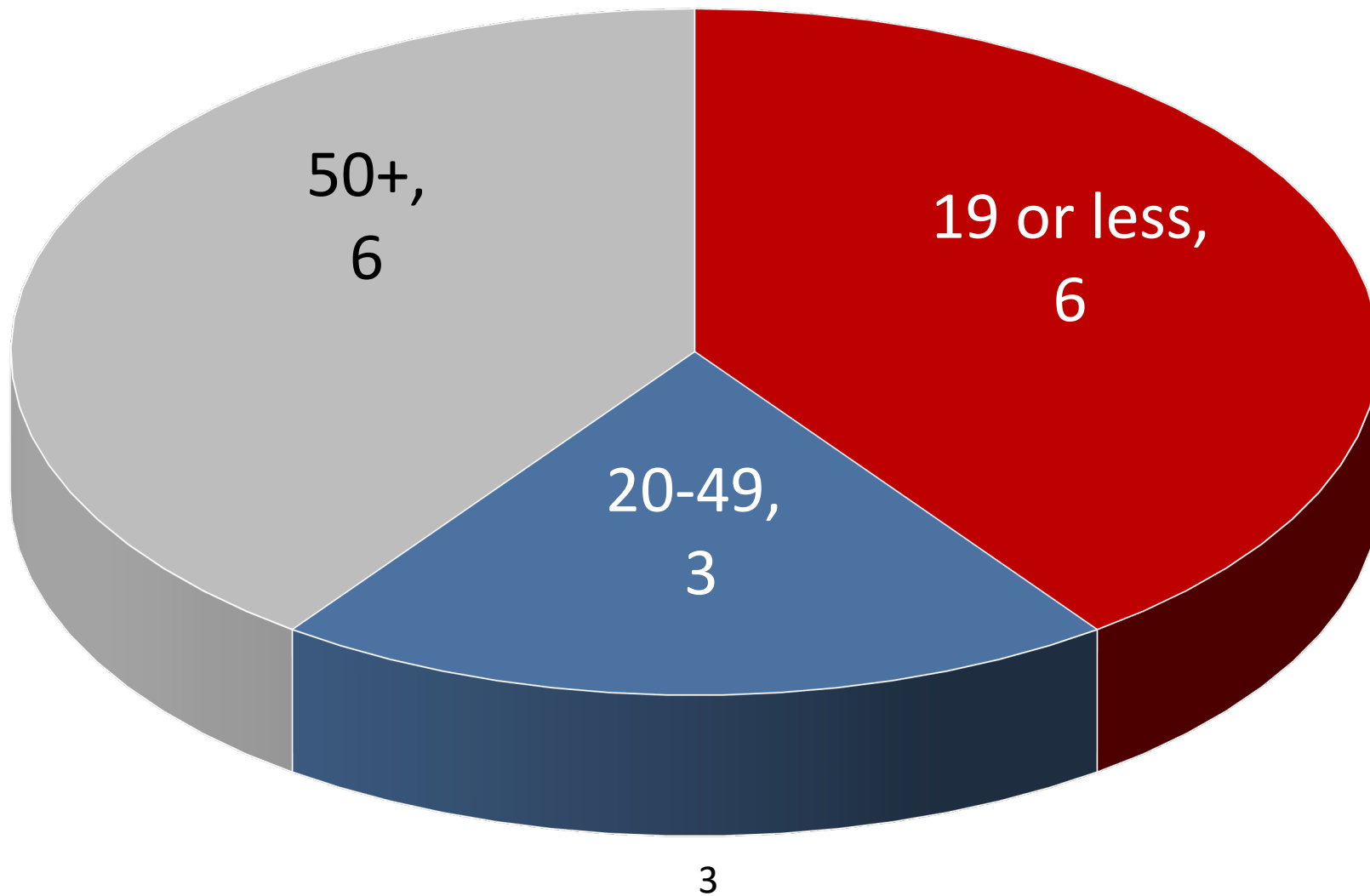
MSHA Stakeholder Meeting

June 9, 2021

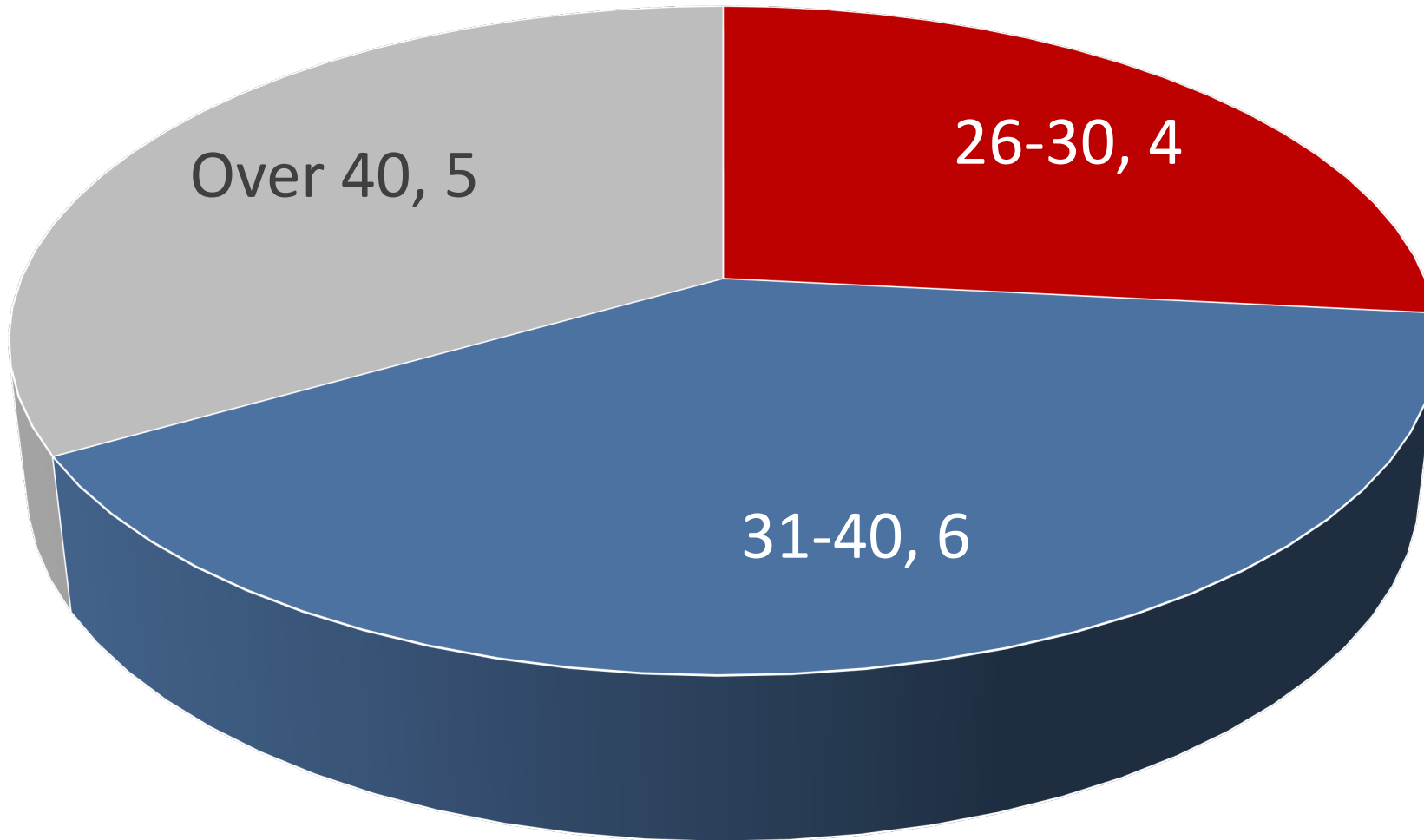
Accident Classification*



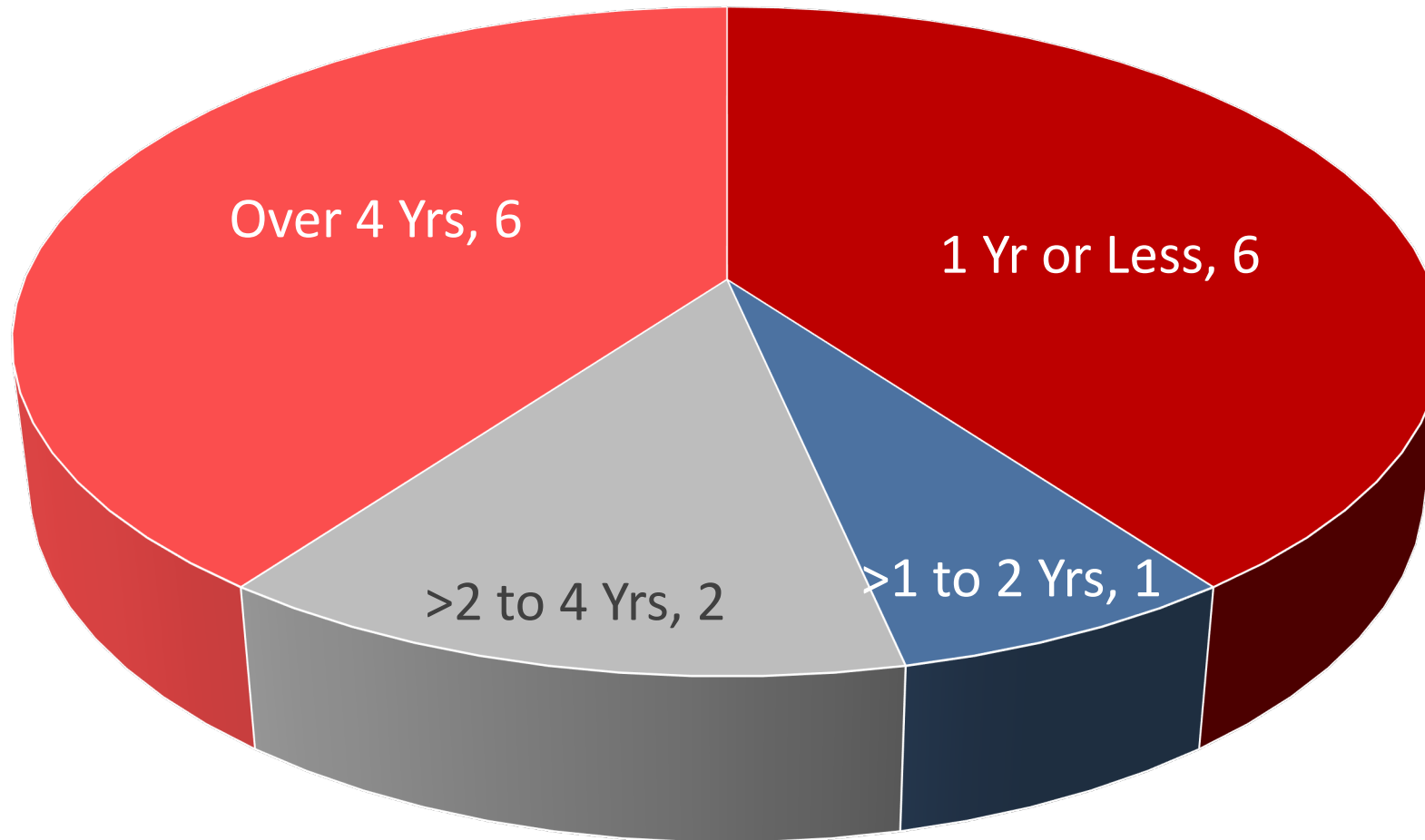
Number of Employees



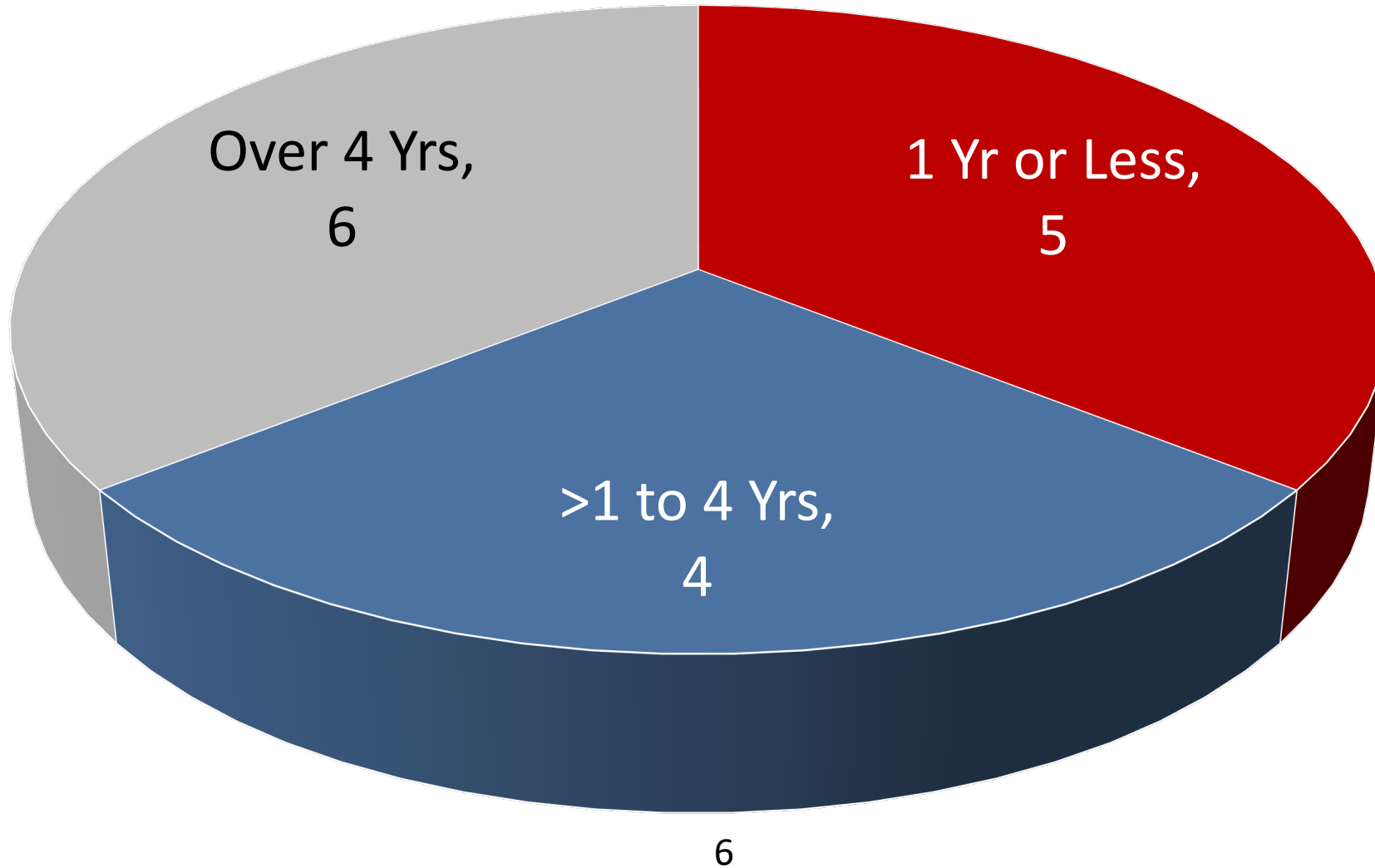
Age



Experience at the Mine



Experience at the Activity





The drill motor turned unexpectedly, pinning the driller's leg between the tool and the drill mast.



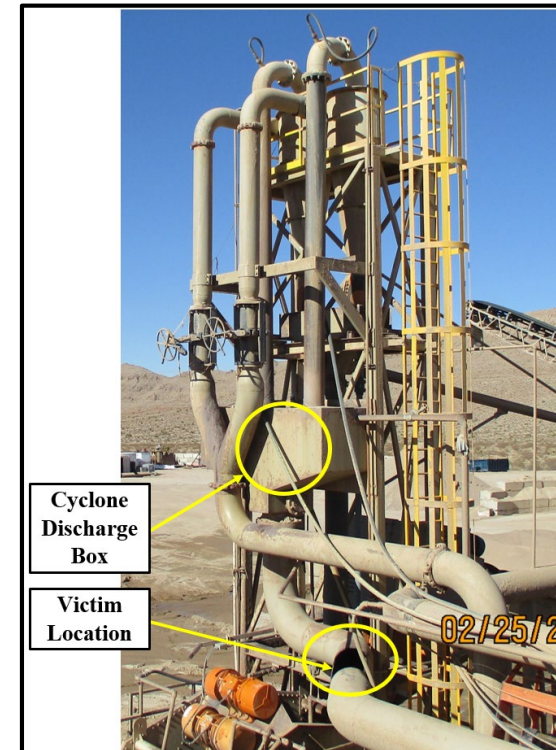
A chute puller was crushed between the deck of the locomotive and an overhead chute while riding on a rail-mounted locomotive.



The edge of the dump bank failed, causing the haul truck to travel backwards and overturn, landing on the roof of the cab.



A ground man became entangled in a fluted tail pulley while attempting to shovel under an adjacent tail pulley.



A plant operator died after entering a cyclone discharge box.



A miner drowned when the bank failed and the excavator he was operating rolled over, entering the water.



A miner was fatally injured while attempting to insert a steel pin into a spud beam.



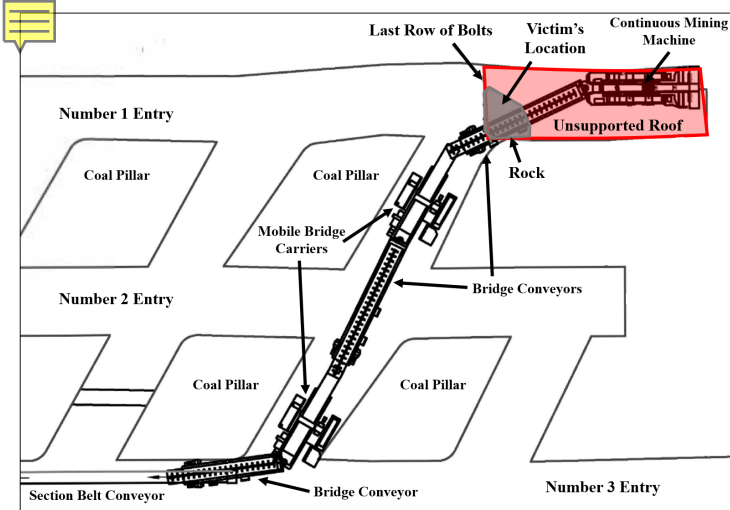
A pickup truck was going through the gate, the gate closed striking the windshield, and killing the victim.



A miner got out of his haul truck in an area with a 2-8% varying grade. The haul truck rolled forward, pinning the miner between the haul truck and his personal truck.



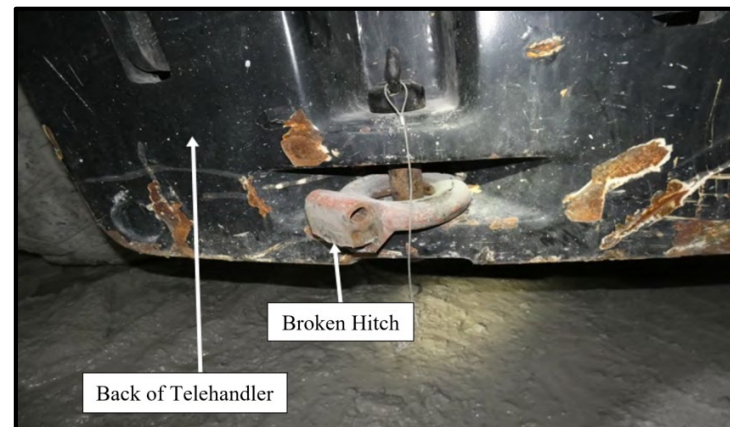
A shuttle car traveled through a flypad and struck another miner's shuttle car.



A miner was working under unsupported roof when a piece of rock fell from the roof and struck him.



A miner was installing rib bolts using a full face continuous mining machine. The foreman decided to assist, when the corner of the mine rib sheared off, pinning the foreman against the mining machine.



A telehandler was towing a trailer with a diesel pump when the tow hitch broke. The trailer rolled backward and struck a miner.



A miner was walking across the entry when a shuttle car struck him.



A miner was dislodging raw material inside of the primary hopper when he became engulfed by unconsolidated material in the hopper.

Powered Haulage Best Practices - Surface

- **Always dump material in a safe location.**
- **Always construct substantial berms** as a visual indicator to prevent over travel.
- **Establish safe traffic patterns with proper signage.**
- **Chock the wheels or turn them into a bank** when parking mobile equipment on a grade.

Powered Haulage Best Practices - Underground

- **Stop and sound an audible warning device** before tramming equipment through ventilation curtains.
- **Look in the direction of travel** and stay in the operator's compartment while operating mobile equipment.
- **Install reflective signs or warning lights** in low clearance areas.

Powered Haulage Best Practices - Conveyors

- **Design, install, and maintain guards.**
- **Lock out – Tag out:** Lock and tag conveyors before performing work.

Training

Train miners to:

- Follow established policies and procedures.
- Comply with MSHA approved plans.
- Recognize and eliminate hazards before beginning work.
- Understand safe job procedures and tasks.
- Use personal protective equipment.
- Stay out of hoppers, cyclones, and chutes.