

Demolition Safety Awareness by Shereen Montero

Malaysian OSH Standards & Safe Work Practices 2026

Training Objectives

This program provides essential safety knowledge for knowledge for demolition operations in line with updated Malaysian OSH legislation and technical technical standards.

By the end of this session, participants will:

- Identify critical hazards in demolition work.
- Understand OSHA 2022 and CWDM 2024 duties.
- Master MS 2318:2010 compliance steps.
- Implement effective risk mitigation controls.

Malaysian Construction Safety Landscape

88

Fatalities (2023)

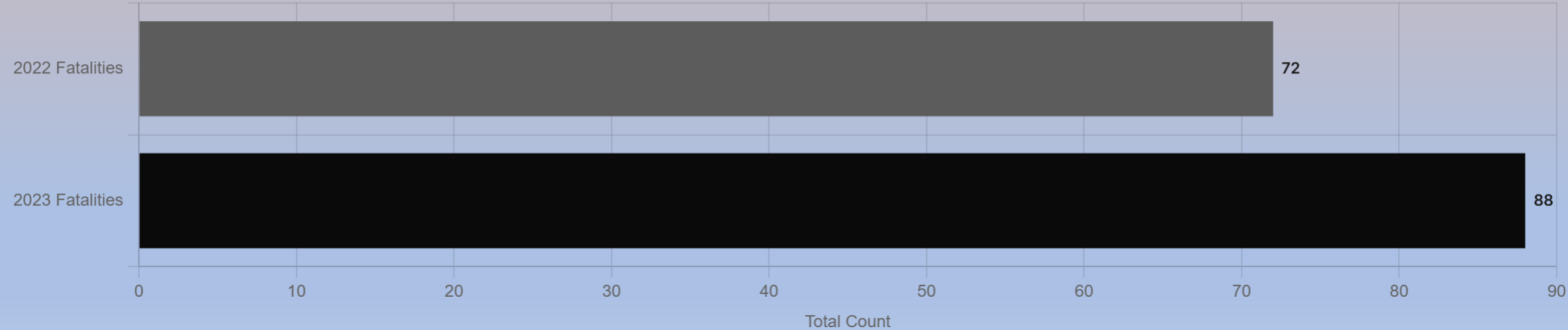
5,379

Injuries Reported

6.30

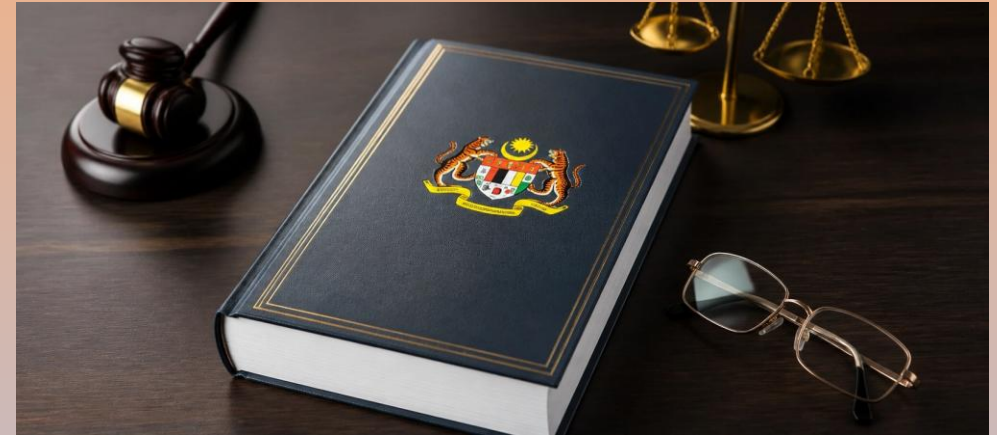
Rate per 100k Workers

Construction Fatality Trend (DOSM 2024)



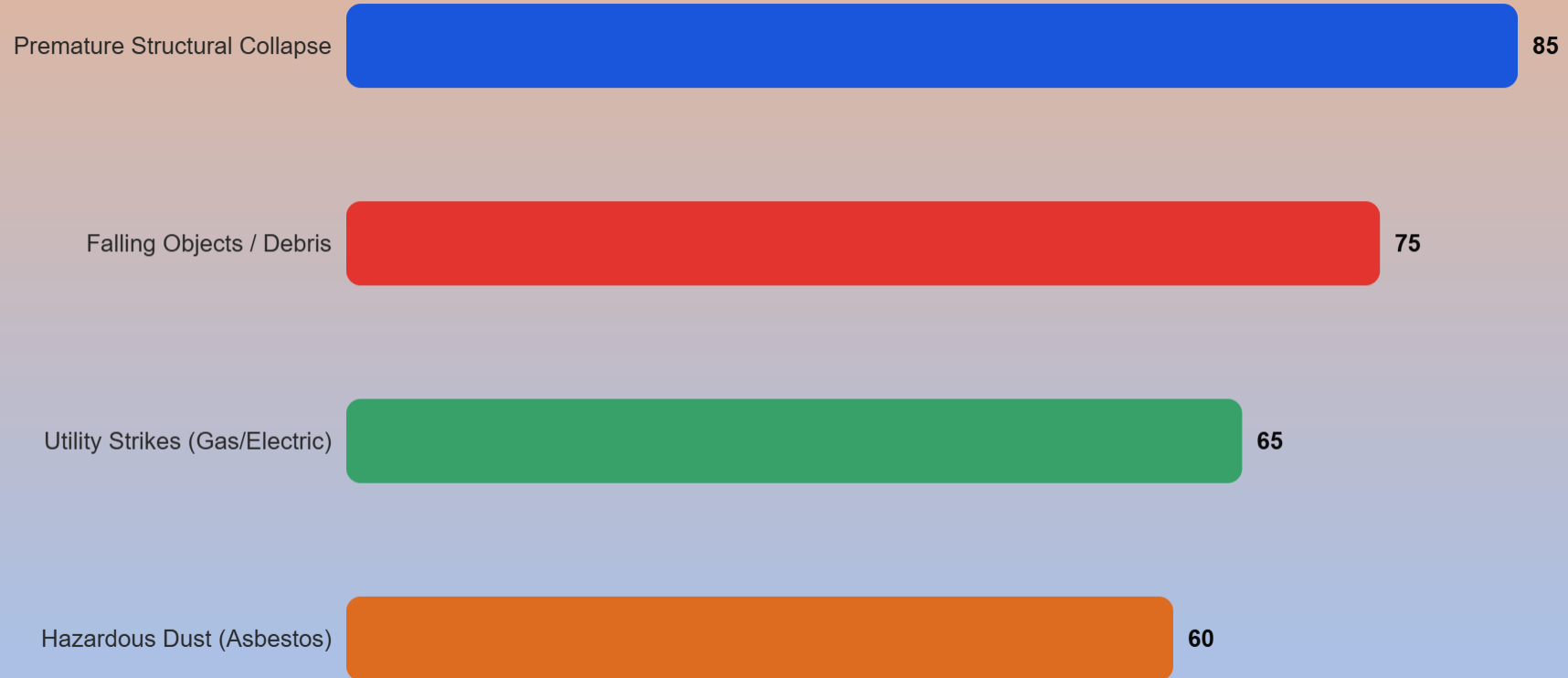
Regulatory Framework 2024

Malaysia has enforced strict new OSH regulations since June 1, 2024, placing higher accountability on clients and principals in demolition projects.



Regulation 11, CWDM 2024:
Mandatory duty for designers to eliminate risks during design, specifically including the demolition phase requirements.

Key Hazards in Demolition



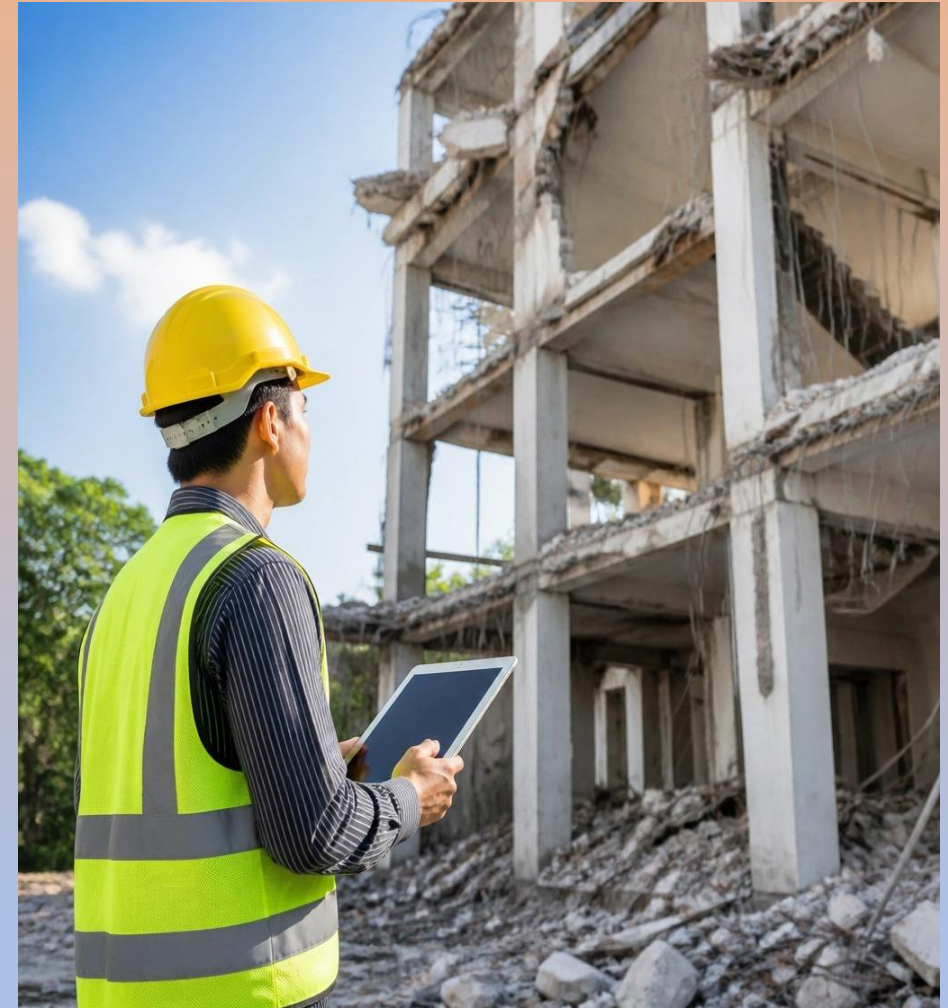
Relative risk levels based on construction injury reports in Malaysia.

Pre-Construction & PCI

Under OSHA Section 18B (2024), mandatory risk assessments must be documented. Regulation 5 of CWDM 2024 requires clients to provide Pre-Construction Information (PCI) before any physical work starts.

Mandatory OSH Coordinator:

Required for all employers with 5 or more employees (OSHA Amendment 2022). They must supervise the demolition safety plan.



Technical Reference: MS 2318:2010

MS 2318:2010 is the core Malaysian Standard for Building Demolition. It outlines the specific sequence and methodology for safe dismantling.

Core Code Requirements:

1. Structural Survey – Assess integrity.
2. Service Disconnection – Cut gas/water.
3. Sequence – Top-down demolition.
4. Debris Management – Controlled chutes.
5. Protection – Scaffold/Netting.

On-Site Safety Protocols

1. Exclusion Zones

Establish physical barricades to prevent unauthorized entry during mechanical demolition.

2. Dust & Vibration Control

Utilize water misting systems and low-vibration equipment to protect workers and public.

3. Advanced PPE

Mandatory high-impact helmets, respiratory protection for dust, and cut-resistant gloves.

Compliance & Penalties

Non-compliance with CWDM 2024 and OSHA amendments carries heavy legal weight. Principals are now responsible for the entire subcontractor chain.

Imprisonment

Offenders may face up to 1 year of imprisonment in addition to or in place of monetary fines.

RM 500,000

Maximum fine for non-compliance by clients or principals.

The 2030 Safety Vision

The Construction Action Plan 2030 (CAP30) targets a significant significant reduction in workplace fatalities through technology-led technology-led monitoring and enhanced training protocols. protocols.

CAP30 Milestone

By Jan 1, 2027, full enforcement of CWDM Parts II & III will be mandatory across all Malaysian states.



Summary & Key Takeaways

Legislation First

Compliance with OSHA 2022 and CWDM 2024 is non-negotiable for all Malaysian demolition sites.

Structured Process

Adhere strictly to MS 2318:2010 sequences: Structural Survey → Isolation → Controlled Demolition.

Accountability Matters

Clients, designers, and principals share equal legal liability for worker safety on site.

Safety First. Always.
THANK YOU