

Amputations at work: What do we know about it?

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What did we know about it?

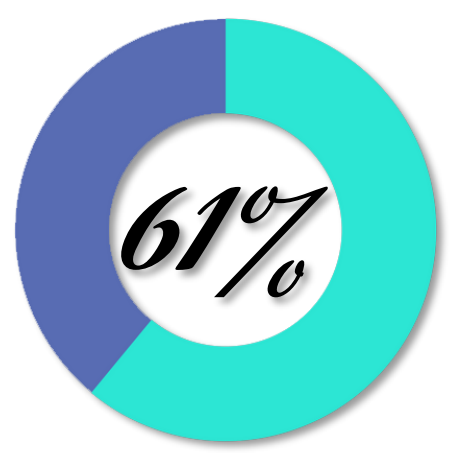


Major injuries resulting in amputations is a cause for concern at the workplace:

- an average of **132 cases per year** from 2012 to 2016, or **one incident every three days**.



Amputation is the **second highest type of major injury**, after crushing, fracture and dislocation.



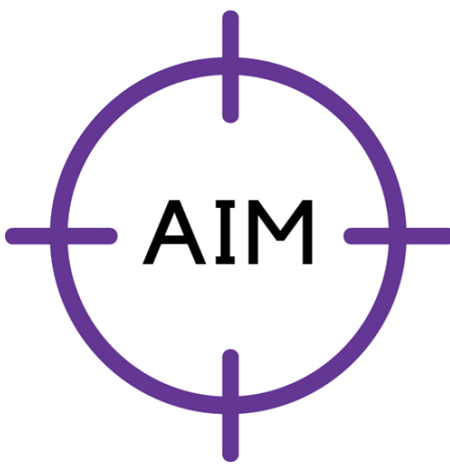
61% of amputation injuries

happened in the following sectors

1. Construction (31%)
2. Metalworking (15%)
3. Marine (8%)
4. Food Manufacturing (7%)

What did we want to achieve?

Research Question

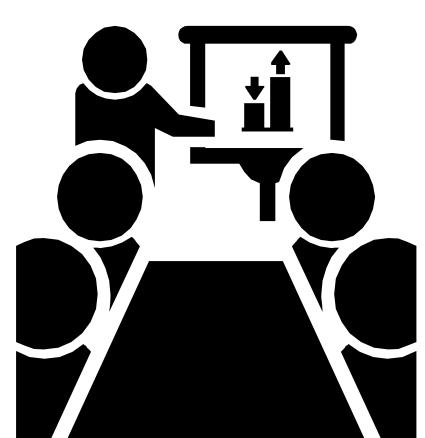


Why are amputations more prevalent in the four sectors mentioned above?

1. What caused amputations accidents?
2. How do we prevent them?

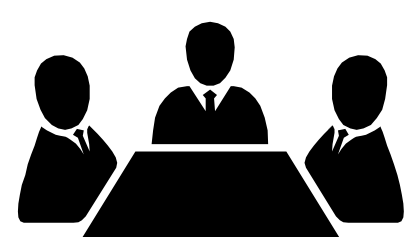
How did we do it?

Method



A qualitative study was conducted through focus group discussions (FGDs).

Participants' Profile



25 participants
18 organisations

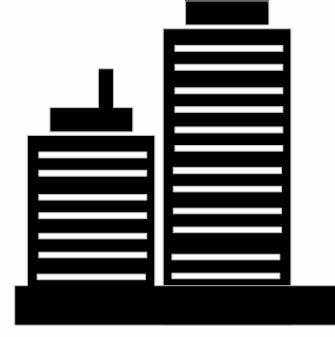




Represented by

1. Management
2. WSH professionals
3. Union members
4. WSH course trainers from the four sectors
5. Members of the WSH Council (Metalworking & Manufacturing) Committee and WSH Council National Crane Safety Taskforce

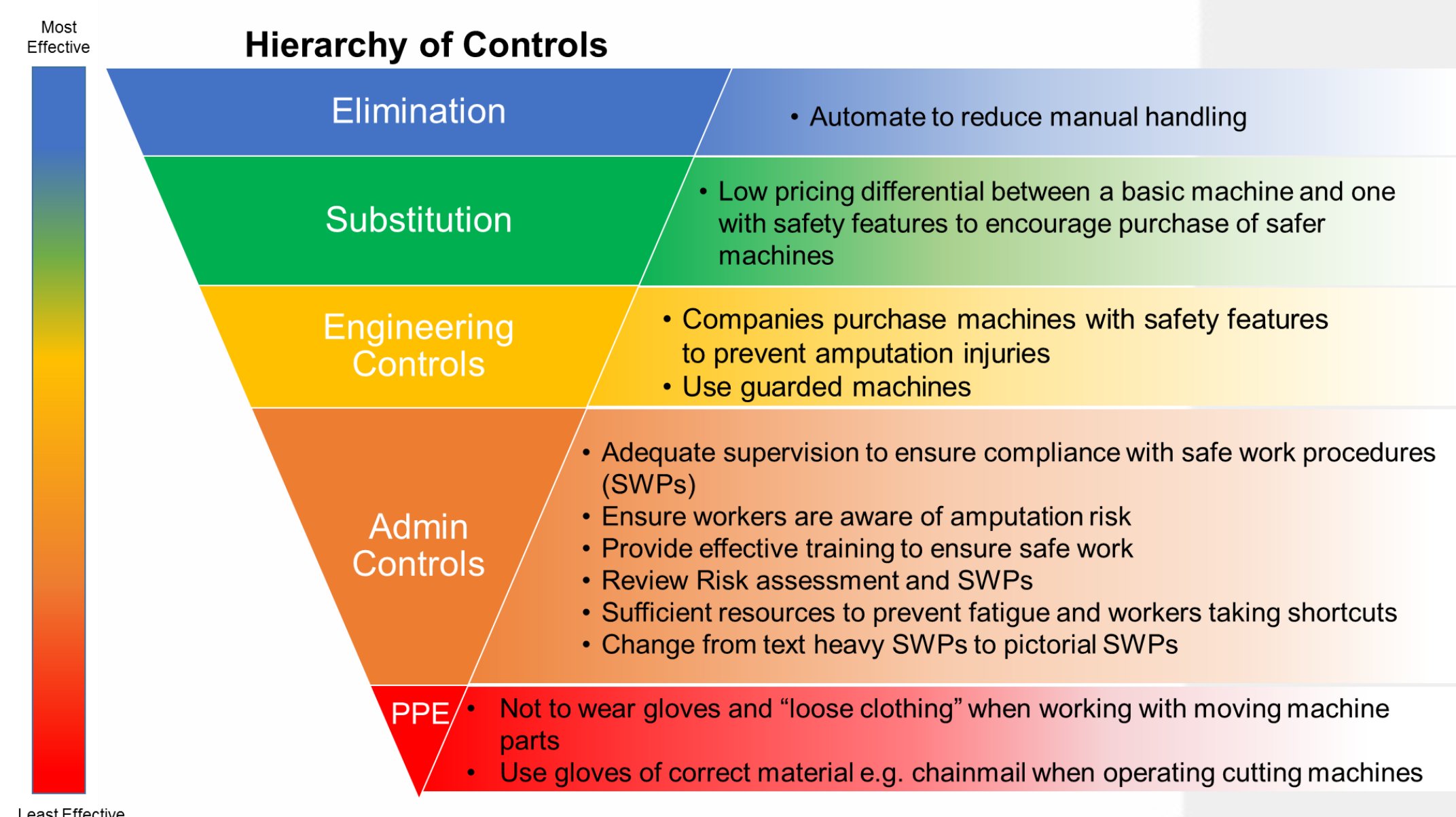
References

- 1) Workplace Safety and Health Statistics Report. 2017. [Online] Available at <http://www.mom.gov.sg/~media/mom/documents/safety-health/reports-stats/wsh-national-statistics/wsh-national-stats-2017.pdf?la=en>
- 2) List of control measures, in priority order, to eliminate or minimise exposure to the hazard. Accessed on 19 Oct 2017 at http://www.saunions.org.au/ohs/hierarchy_of_controls.htm

Why did amputation accidents happen?

Management	Weak risk management
	Prioritise business targets over safety
	Lack of communication on amputation risk
	Poor supervision
Man	Unsafe behaviour
	Ineffective training
	Distractions and carelessness
Machine	Unguarded machine
	Poor machine maintenance
	Lack of consideration on man-machine compatibility
Method	Inappropriate material handling
	Inappropriate use of PPE
	Wrong tool
Material	Slippery to handle
	Irregular surface or size
	Poor grip

How could we solve it?



Acknowledgements



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