

Job Hazard Analysis

Job hazard analyses are performed by employers, supervisors, workers, and committees. It is a systematic process of measuring the potential risk within a hazard before it causes injury to a worker or damage to property.

When conducting a job hazard analysis (JHA), hazards are broken down into five categories that can cause harm or have adverse health effects. They are physical, musculoskeletal, chemical/mineral, biological, and psychological. Some examples of each type of hazard include:

Physical

- slip, trip, fall,
- machinery,
- noise.

Musculoskeletal

- awkward postures,
- repetitive motion,
- frequent lifting.

Chemical/Mineral

- acetone,
- asbestos,
- pesticides.

Biological

- blood,
- mould,
- animal droppings.

Psychological

- workplace harassment,
- aggressive clients,
- shift work 24/7.

Other hazards to consider when conducting a job hazard analysis include (but not limited to the following):

- Housekeeping
- Material storage and handling
- Slip/Trip/Fall Potential
- Power lines overhead/underground
- Open excavation
- Weather
- Lighting
- Vehicle/Pedestrian traffic
- Working at heights
- Defective tools/equipment
- Awkward body positioning
- Chemical handling/storage
- Spill potential
- Working alone
- Stress/fatigue

After creating the job hazard analysis (following page), apply the Risk Assessment Table to determine the level of risk and assign a priority level to column 3 of the JHA.

		Frequency			
		Very Likely	Likely	Possible	Unlikely
Consequence Severity	Catastrophic	1	1	2	3
	Critical	1	1	2	3
	Marginal	2	2	3	4
	Negligible	3	3	4	4

Frequency/Probability Categories

Very likely: the hazard is very probable or observed daily
 Likely: the hazard is probable or observed weekly
 Possible: the hazard is possible or observed monthly
 Unlikely: the hazard is likely be observed on a yearly basis.

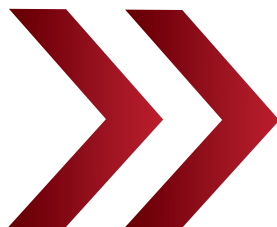
Consequence Severity:

Catastrophic: death or fatal injury
 Critical: permanent disability, severe injury or illness
 Marginal: injury or illness that requires medical attention and time loss from work
 Negligible: treatable first aid injury, no time loss from work

Priority Level:

1	High	Extremely important immediate action
2	Medium High	Receive top planning priority
3	Medium	Receive planning priority
4	Low	Receive low planning priority

Job hazard analysis and field level risk assessment are similar workplace activities. Both are performed by a group of people, breaking a job down into series of tasks in order to identify hazards and risks associated with the job.



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Sample Job Hazard Analysis

Assessor's name: Harold Hazard-Analyst
 Assessor's job title: Safety Supervisor
 Location of JHA: Sample Trucking Company
 Date: January 01, 2021

Job Name	Job Step or Task	Hazards	Priority	Eliminate or Control Measure
Strapping the load	1: throw strap over load to secure it	a: repetitive motion b: hit/struck by strap c: slip, trip, fall	2	- hard hat - steel toed boots - safe work procedure
	2: running the strap along deck rail & pulley	a: repetitive motion b: over-exertion c: d:	3	- safe work procedure - gloves
	3: tightening strap with snipebar	a: repetitive motion b: awkward body position c: struck by object d: over-exertion	1	- training - gloves - safe work procedure
	4:	a: b: c: d:		
Tarping the load	1: climb on load with tarps	a: slip, trip fall b: working at heights c: awkward body positions d: over-exertion	2	- fall protection - training - safe work procedure
	2: laying out tarps	a: awkward body positions b: slip, trip, fall c: stress/fatigue, working alone d: weather (esp strong winds)	1	- fall protection - training - safe work procedure
	3: bungee strap the load	a: repetitive motion b: struck by object c: over-exertion d:	2	- inspection of equipment - gloves - safe work procedure - training
	4:	a: b: c: d:		

Signature of Assessors: _____

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Sample Job Hazard Analysis

Assessor's name: _____

Assessor's job title: _____

Location of JHA: _____

Date: _____

Job Name	Job Step or Task	Hazards	Priority	Eliminate or Control Measure
	1:	a: b: c: d:		
	2:	a: b: c: d:		
	3:	a: b: c: d:		
	4:	a: b: c: d:		
	1:	a: b: c: d:		
	2:	a: b: c: d:		
	3:	a: b: c: d:		
	4:	a: b: c: d:		

Signature of Assessors: _____