

You have learned the two important terms, do you remember!

**Hazards?** & **Risk ?**

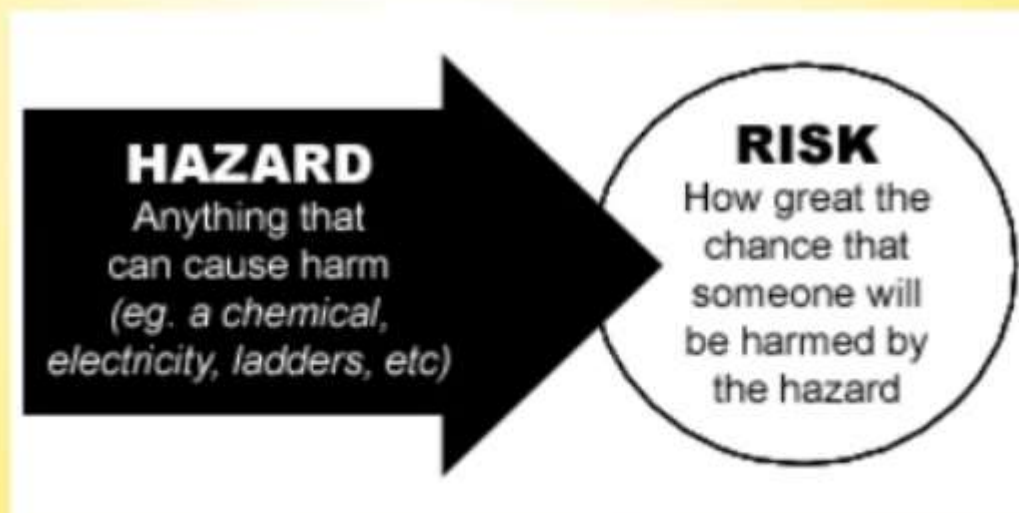
Are they different? or same?

Hazard VS risk



# Hazards ?

- A **hazard** is something that can cause harm, e.g. electricity, chemicals, working up a ladder, noise, a keyboard, a bully at work, stress, etc.
- A **risk** is the chance, high or low, that any hazard will actually cause somebody harm



There are many definitions for hazard but the most common definition when talking about workplace health and safety is:

A **hazard** is any source of **potential** damage, harm or adverse health effects on something or someone.

- A hazard is a condition, substance, behavior or practice with the potential to cause loss due to injury, illness or property damage.

**Harm** - physical injury or damage to health.

**Hazard** - a potential source of harm to a worker

[https://www.youtube.com/watch?v= GwVTdsnN1E](https://www.youtube.com/watch?v=GwVTdsnN1E)

Basically, a **hazard** is the potential for harm or an adverse effect (for example, to people as health effects, to organizations as property or equipment losses, or to the environment)

Sometimes the resulting harm is referred to as the hazard instead of the actual source of the hazard.

For example, the disease tuberculosis (TB) might be called a "hazard" by some but, in general, the TB-causing bacteria (*Mycobacterium tuberculosis*) would be considered the "hazard" or "hazardous biological agent".

[https://www.ccohs.ca/oshanswers/hsprograms/hazard\\_risk.html](https://www.ccohs.ca/oshanswers/hsprograms/hazard_risk.html)

In short; **Hazard** refers to the potential of something to cause harm.

# Hazards:



# Types of Workplace Hazards and How To Manage Them

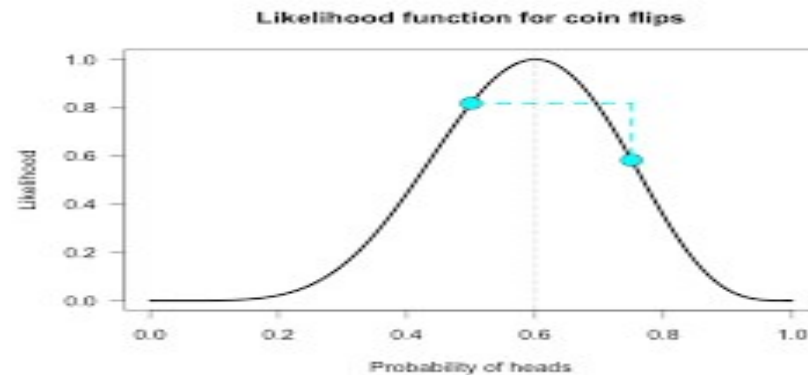
## **Occupational hazards**

## **What is risk?**

**Risk** is the chance or probability that a person will be harmed or experience an adverse health effect if exposed to a hazard. It may also apply to situations with property or equipment loss, or harmful effects on the environment

**Risk** – the combination of the likelihood of the occurrence of a harm and the severity of that harm.

**Likelihood** – the chance of something happening.  
(a probability or chance of something)







## What is Safety ?

Safety may be considered at the control of all the above elements but a more functional definition is given by Bird & Germain (1985) which is the '*control of accidental loss*'.

Bird FE & Germain GL (1985), Practical Loss Control Leadership, International Loss Control Institute, Institute Publishing, Loganville, Georgia.