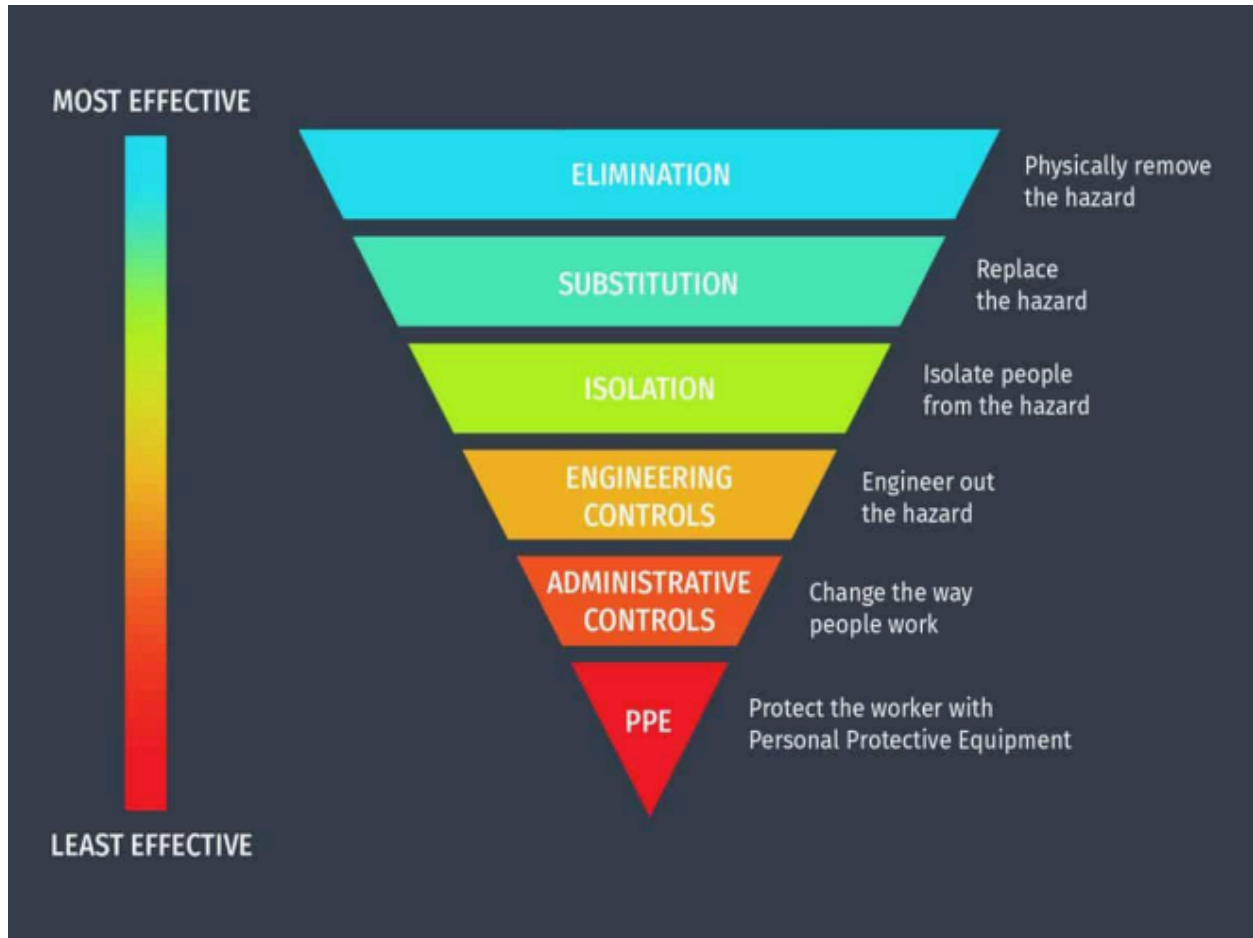














# Hierarchy of Control of WH&S Hazards

Control measures to eliminate or reduce the risk of harm from a hazard must be implemented in the order shown in the hierarchy i.e. 1 must be done before 2, 2 before 3 and so on.



Order	Hierarchy of Control Measures (plus explanation)	Construction Industry Example	Workshop Example
1.	<b>Elimination</b> <i>(removing the hazard completely)</i>	<p>Safely demolishing and removing unsafe structures, debris, waste, scrap material, sharp objects etc. from the construction site, as well as filling in holes and removing trip hazards.</p> 	<p>Taking a school bag off the floor and moving it to a designated area.</p> 
2.	<b>Substitution</b> <i>(replacing a hazard with safer equipment / procedures / systems)</i>	<p>Cutting sheet metal with shears or nibbler instead of an angle grinder to reduce noise and eliminate sparks flying out from the cut, etc.</p> 	<p>Using a cold cut off saw instead of an angle grinder to cut steel.</p> 

3.	<b>Isolation</b>  (minimising chance of danger / harm by preventing access / physical barriers etc.)	Welding of metal done in a screened off area, etc.  	All lathe work is done in machine bays.  
4.	<b>Engineering</b>  (making improvements to equipment or processes)	Quieter muffler fitted to reduce noise on a motor, etc.  	Making a better spark guard for an angle grinder.  
5.	<b>Administrative</b>  (limit risk by providing training, using warning signs, etc.)	Site-specific WH&S induction course, safety signs, specific areas for specific tasks, specific job training for specific jobs, scheduling jobs in the safest order, designated entry and exit points on site, sign in and out procedure, etc.  	Training on how to do a procedure safely and correctly.  

6.	<p><b>PPE (Personal Protective Equipment)</b></p> <p>(in addition to other measures provides extra protection where required.)</p>	<p>Safety glasses, ear protection, safety footwear, gloves, aprons, hats, sunglasses, long sleeve shirts, trousers, face shields, breathing masks, dust masks, hard hats (helmets), etc.</p> 	<p>Wearing welding gloves, safety glasses, a correctly adjusted welding mask, leather shoes, sturdy cotton-based trousers and a welding jacket.</p> 
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