


Risk Assessment Template

Assessment Ref No: RA_15931	Natasha Hadgraft (55136658)	Location:  Dalton Building > 2.07 - Superlab	Validated By: Rebecca Shears (55144171)	Date of Assessment: 02/04/2025		
Activity: Summer School Activity - Blood pressure and heart rate measurement			H&S coordinator* Glenn Ferris (55039010)	Review Date  02/04/2028		
<div>Overall Risk Rating (using matrix) after Control Measures have been Implemented:</div> <div><div><input checked="" type="checkbox"/> 1 - 3</div><div><input type="checkbox"/> 4 - 6</div><div><input type="checkbox"/> 8 - 12</div><div><input type="checkbox"/> 15 - 25</div></div>						
Linked assessments						
What are the hazards?	Who might be harmed and how?	What are you already doing?	Likelihood (L)	Impact (I)	Risk Rating (L x I)	Do you need to do anything else to control this risk?
Electrical - electrical shock from analytical equipment including computers, heart rate monitors and blood pressure cuffs.	1. Individual(s) (students, academics, technical staff) operating the equipment 2. Other lab users (students, academics,	- Ensure equipment is visually inspected for any faults - Ensure equipment is maintained and serviced as appropriate and	1	3	3	No further action but ensuring control are maintained and reviewed regularly.


	<p>technical staff, visitors)</p> <p>Use of mains powered electrical equipment for heartrate / rhythm monitoring may lead to electrical shock from the exposed or damaged wiring or incorrect function / fault of equipment.</p>	<p>PAT tested where appropriate</p> <ul style="list-style-type: none"> <li>- Follow standard operating procedures for equipment</li> <li>- Ensure equipment does not receive undue exposure to moisture</li> <li>- Ensure any faults are reported promptly.</li> </ul>				
Physical - entanglement, trips, falls and impact with surroundings	<p>1. The individual(s) taking the sample</p> <p>2. Individual(s) having their sample taken</p> <p>3. Other lab users (pupils, academics, technical staff, visitors)</p> <p>Some of the heartrate and rhythm monitoring equipment may have wires / leads.</p> <p>Entanglement with wires from the testing equipment is possible.</p>	<ul style="list-style-type: none"> <li>- Cables to be placed beneath cable covers where possible while in use.</li> <li>When this is not possible cables to be put on a side and/or taped behind or strapped away to avoid risk of trips / tangles.</li> <li>- When not in use, cables to be stored effectively.</li> </ul>	1	3	3	No further action but ensuring control are maintained and reviewed regularly.
Physical - fainting, falling and impact with surroundings	<p>1. Individual(s) having their samples taken</p> <p>2. Observers</p> <p>In some protocols where blood pressure is being recorded,</p>	<ul style="list-style-type: none"> <li>- Ensure significant space around the area is clear</li> <li>- Ensure participant is physically made secure where possible to avoid</li> </ul>	1	3	3	No further action but ensure controls are maintained and reviewed

	<p>participants may feel light-headed or may faint This could lead to fainting and hitting nearby equipment or furniture.</p>	<p>the risk of falls by seating, lying down, strapping as appropriate</p>				
Physical - body aches, numbness and change in sensation	<p>1. Individual(s) having their sample taken</p> <p>Cuff wrapped around the arm, leg and/or finger for blood pressure monitoring can cause minor discomfort in the form feeling tight, muscle ache, pressure, change in sensation due to temporary ischemia.</p> <p>Blood pressure and tourniquet cuffs wrapped around the limbs for purpose of inducing temporary ischemia (one-off or brief repeated cycles) can also cause minor discomfort in the form feeling tight, muscle ache, pressure, change in sensation.</p>	<p>Ensure participant is aware these are all temporary discomforts and do go away soon after.</p> <p>- Ensure cuffs of appropriate size are used.</p>	1	2	2	No further action but ensure controls are maintained and reviewed
Pupil's pre-existing health issues and safeguarding	<p>Pupils are legally children (School year 10, age ~14-15).</p>	<p>The pupils will have their teachers with them, who should be aware of the</p>	1	2	2	No further action but ensure controls are maintained and reviewed

		pupils health conditions.				
Exercise - Injury risk	Participants (adults)	First aider will also be on call during session to administer first aid as required. Participant to always be supervised Informed consent to be obtained from all participants prior to them completing the assessments.	1	2	2	No further action but ensure controls are maintained and reviewed

Risk Grading Matrix		IMPACT				
		Insignificant (1)	Minor (2)	Moderate (3)	Major (4)	Severe (5)
Health		Minor impact requiring a short break from the work activity	Short period of ill health <7 days off work	Ill health requiring >7 days off work	RIDDOR reportable disease	Life changing or life limiting disease
Safety		Minor injury / first aid treatment	Injury requiring medical treatment <7 days off work	Injury requiring medical treatment >7 days off work	Major injury – loss of limb or broken bones	Injury requiring extensive rehabilitation or Fatality
Compliance		Observations raised through audit or inspection	Minor non-conformance raised through audit or inspection	Major non-conformance raised through audit or inspection	Breach of legislation – reported to, or visit from regulator	Punitive action from regulator e.g. improvement notice, prosecution
	Rare (1)	1	2	3	4	5
	Unlikely (2)	2	4	6	8	10
	Possible (3)	3	6	9	12	15
	Likely (4)	4	8	12	16	20
	Almost Certain (5)	5	10	15	20	25

Risk Rating	Action Required to Control the Risk
1-3	No action – no further action but ensure controls are maintained and reviewed
4-6	Monitor – look to improve at next review or if there is a significant change
8-12	Action – improve within specified timescale
15-25	Urgent action – take immediate action and stop activity, maintain existing controls rigorously

Actions Identified to Control the Risk Further	By who?	By when?	Done
			
Attachments			
Attachments			