



Risk Assessment

Equipment / activity: Archery
Date: 05/01/2023

Hazard	Who is at risk?	Possible effects/harm	Likelihood (high, medium, low)	Evaluation & Control Measures	Revised risk rating (high, medium, low)	Are there adequate control measures in place?
General	Participants, instructor, spectators	Varoius injuries	Medium	<p>Code of practice applies.</p> <p>Only trained JM Entertainment staff to instruct/supervise.</p> <p>All accidents, near misses and incidents to be recorded and appropriate action taken.</p>	Low	Yes
Adverse weather conditions	Participants, instructor, spectators	Sunburn, hyperthermia, hypothermia	Low	<p>Weather conditions to be checked prior to event and monitored.</p> <p>Remind participants about sun protection and suitable clothing.</p>	Low	Yes
Inadequate management of range	Others in the area	Struck by moving object (arrow)	Medium	<p>Safety barriers and warning signs to be displayed.</p> <p>Appropriate distances used, depending if indoors or outdoors.</p>	Low	Yes

Equipment failure	Participants, instructor, spectators	Varoius injuries	Low	<p>All equipment to be checked prior to use.</p> <p>Regular checks and maintenance performed.</p> <p>All broken arrows/bows to be removed for disposal or repair.</p>	Low	Yes
Bow string breaks at full draw	Participant	Injury to face, head or arms	Medium	<p>Regular checks on strings for wear.</p> <p>Regular checks for broken end servings and bows.</p>	Low	Yes
Bow limb or riser fails while at full draw	Participant	Parts of bow limb may strike archers head or arms resulting in injury and in extreme cases damage to or loss of an eye. Also possible risk of maxilo-facial fractures.	Low	<p>Regular checks of equipment before use.</p> <p>Discard and replace any limbs thought to be dangerous.</p> <p>Do not fit Fast Flight or similar string to wooden bows.</p> <p>Do not shoot lightweight carbon arrows from wooden bows.</p>	Low	Yes

Worn or damaged arrowhead	Participant	Varoius injuries	Low	<p>Regular checks of equipment before use.</p> <p>Replace any loose or damaged nocks or piles.</p> <p>Discard any arrowheads showing signs of damage. DO NOT attempt to repair.</p>	Low	Yes
Release aid rope or other mechanical release failure	Participant	Facial injuries	Low	<p>Regular checks of equipment before use.</p> <p>Instruct archers on proper use.</p>	Low	Yes
Arrow shot towards others in group or nearby	Participants, instructor, spectators	Serious injury	Medium	<p>Clearly defined area for use.</p> <p>Limit number of people at shooting line.</p> <p>Clear briefing form instructor</p>	Low	Yes
Running into arrow	Participants, spectators	Puncture wound	Low	Briefed on importance of walking, not running.	Low	Yes
Bow string getting entangled in long hair ,clothin g or jewellery	Participant	Injury/ bruising	Medium	Instructor to ensure that all long hair or loose clothing and jewellery is tied away from bow.	Low	Yes

Removal of arrows from archery butt	Other participants	Injury to other person	Low	Instruction on how to correctly remove. Archers monitored during process.	Low	Yes
Rebounding arrows	Participants, instructor, spectators	Various injuries	Medium	Shooting line to be appropriate distance from target.	Low	Yes
Holding of arrows unsafely	Participant	Falling on to arrows, puncture wounds	Medium	Instruction on how to correctly carry arrows and walk back after retrieval.	Low	Yes
Non participants walking onto field	Participants, instructor, spectators	Being shot	Medium	Back stop net. Instructor awareness of other activities taking place.	Low	Yes

Risk rating

High

For example:

- fatality possible to one or more individuals however infrequent
- major injury to few individuals occurring frequently
- likelihood of long term muscular-skeletal problems affecting significant numbers of staff
Immediate action required

Medium

For example:

- major injury to one/few individuals occurring infrequently
- likelihood of long term muscular-skeletal problems affecting some staff. Requires attention as soon as possible

Low

For example:

- minor injury occurring infrequently to few staff.
Not a priority, may need attention if not as low as reasonably practicable.