

# RISK AND IMPACT ASSESSMENT

List all the hazards your tourism business might face, including their likelihood and estimated impact.

Hazard	Probability	Level of Impact	Potential Impacts

Assign a numeric value from 1 to 5, 1 being the lowest, for each of the categories under Probability and Impact.

**Probability:** Also called likelihood, the Probability (x axis) pertains to the extent of how likely it is for the risk to occur. The 5 risk rating levels under this component are as follows:

1. Rare – unlikely to happen and/or have minor or negligible consequences
2. Unlikely – possible to happen and/or to have moderate consequences
3. Moderate – likely to happen and/or to have serious consequences
4. Likely – almost sure to happen and/or to have major consequences
5. Almost certain – sure to happen and/or have major consequences

**Impact:** Also called severity or consequences, the Impact (y axis) aims to determine the level of effects that the hazard can cause to workplace health and safety. The following represent the general terms used to describe the 5 levels to determine the risk's impact:

1. Insignificant – won't cause serious injuries or illnesses
2. Minor – can cause injuries or illnesses, only to a mild extent
3. Significant – can cause injuries or illnesses that may require medical attention but limited treatment
4. Major – can cause irreversible injuries or illnesses that require constant medical attention
5. Severe – can result to fatality

### *Probability x Impact = Risk Level*

Now, use the above formula of multiplying the value of the Probability to the value of Impact to determine the Risk Level.

Hazard 1 \_\_\_\_\_ Score:  
 Hazard 2 \_\_\_\_\_ Score:  
 Hazard 3 \_\_\_\_\_ Score:  
 Hazard 4 \_\_\_\_\_ Score:  
 Hazard 5 \_\_\_\_\_ Score:

To better understand how the various levels indicate the Probability and Impact, here's a guide on the numeric values and their representation as a result of the analysis:

- 1-4: Acceptable – no further action may be needed and maintaining control measures is encouraged
- 5-9: Adequate – may be considered for further analysis
- 10-16: Tolerable – must be reviewed in a timely manner to carry out improvement strategies
- 17-25: Unacceptable – must implement cease in activities and endorse for immediate action

Finally, plot the hazards on the 5 x 5 risk matrix:

		<b>Impact</b> <i>How severe would the outcomes be if the risk occurred?</i>				
		<b>Insignificant 1</b>	<b>Minor 2</b>	<b>Significant 3</b>	<b>Major 4</b>	<b>Severe 5</b>
<b>Probability</b> <i>What is the probability the risk will happen?</i>	<b>5 Almost Certain</b>	Medium 5	High 10	Very high 15	Extreme 20	Extreme 25
	<b>4 Likely</b>	Medium 4	Medium 8	High 12	Very high 16	Extreme 20
	<b>3 Moderate</b>	Low 3	Medium 6	Medium 9	High 12	Very high 15
	<b>2 Unlikely</b>	Very low 2	Low 4	Medium 6	Medium 8	High 10
	<b>1 Rare</b>	Very low 1	Very low 2	Low 3	Medium 4	Medium 5

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