

**Housing Health and Safety Rating System
Case Study – 2– Collision & Entrapment (hazard no. 26)**

Pre-1920 house – Vulnerable Group – generally the most vulnerable group is all persons under 5 years.

Photograph	Primary	Compounding/Ameliorating factors	Notes
	<p>Disrepair of the majority of double hung sash windows, particularly broken/missing sash cords.</p> <p>Small size of loft hatch.</p> <p>Location of cooker behind door.</p>	Step down into kitchen area adjacent to cooker.	None.

The 'average' situation obtained from the Guidance

Average likelihood of an occurrence in next 12 months is 1: 40

Converted to Representative Scale Point (RSP) this is 1:32

Average range of harm outcomes is:

	Class 1	Class 2	Class 3	Class 4
Guidance	0.0	0.1	4.3	95.6
RSP	0.0	0.1	4.6	95.3

Average score and Band 57 (band G)

IN THIS CASE

Likelihood converted to representative scale point is: 1:10

Justification for adjusting likelihood:

The most vulnerable group is children under 5. The disrepair to the majority of the double hung sash windows, particularly to the sash cords, means that there is an increased likelihood of entrapment and injury

Range of harm outcomes is:

	Class 1	Class 2	Class 3	Class 4
RSP	0.0	0.22	21.5	95.3

Justification for adjusting range of harm outcomes:

The spread of harm will not change as class 3 and 4 harm outcomes include the likely effects of entrapment.

Hazard score for this case:

Class of Harm	Weighting	Likelihood	Spread of Harm		
Class 1	10,000 X	1/ 10 x	0.00	=	0.0
Class 2	1,000 X	1/ 10 x	0.22	=	22.0
Class 3	300 X	1/ 10 x	21.50	=	645.0
Class 4	10 X	1/ 10 x	78.28	=	78.3
			Total score	=	745.3
			Band	=	D