

Housing Health and Safety Rating System Case Study – Falls on Stairs etc. (Hazard no. 21)

Pre-1920 house - Vulnerable Age Group is all persons aged 60 years or over

Photograph	Primary	Compounding/Ameliorating factors	Notes
	Loose handrail to main staircase and absence of handrail on short, two-stair flight of stairs.	Victorian property with steep narrow stairs. Staircase generally in sound and stable condition	

The 'average' situation obtained from the Guidance

Average likelihood of an occurrence in next 12 months is 1: 218
Converted to Representative Scale Point (RPS) this is 1:180

Average range of harm outcomes is:

	Class 1	Class 2	Class 3	Class 4
Guidance	2.2	7.7	22.1	68.0
RSP	2.2	10.0	21.5	66.3

Average Score and band: 169 (F)

IN THIS CASE

Likelihood converted to representative scale point is: 1: 56

Justification for adjusting likelihood:

Greater risk than average of becoming unbalanced and falling caused by loose handrail and lack of handrail to part of staircase.

Range of harm outcomes is:

	Class 1	Class 2	Class 3	Class 4
RSP	2.2	10	21.5	66.3

Justification for adjusting range of harm outcomes:

Although there is an increased likelihood of a fall, there is nothing to suggest that the harm outcomes would be any different from the average harm outcomes

Hazard score for this case:

Class of harm	Weighting		Likelihood		Spread of Harm		
Class 1	10,000	X	1/56	x	2.2	=	392.8
Class 2	1,000	X	1/56	x	10	=	178.6
Class 3	300	X	1/56	x	21.5	=	115.2
Class 4	10	X	1/56	x	66.3	=	11.8
					Total score Band	=	698.4 D