

Event	Location	Structure type	Damage level	No. of structures inspected	μ	σ	μ'	σ'	R^2
Chile (2010)	Dichato – Chile	Wood, masonry, mixed	Not destroyed/ destroyed	915			0.092	1.272	0.86
Japan (2011)	Okushiri – Japan	Wood	Not destroyed/ destroyed	523			0.216	0.736	0.82
Indian Ocean (2004)	Banda Aceh – Indonesia	Wood, R.C.	Not destroyed/ destroyed	48 910			2.985	1.117	0.99
Japan (2011)	Ishinomaki and Sendai plains	Mixed	Not destroyed/ destroyed	3541			0.747	0.984	0.88
Samoa (2009)	American Samoa	Wood, brick and R.C.	Not destroyed/ destroyed				1.17	0.69	0.89
Japan (2011)	Hokkaido, Aomori, Iwate, Miyagi, Fukushima, Ibaraki, Chiba	Wood	Level 1	251 000 (total)			−2.1216	1.2261	0.98
			Level 2				−0.9338	0.9144	0.98
			Level 3				−0.040	0.7276	0.98
			Level 4				0.6721	0.4985	0.98
			Level 5				0.7825	0.5559	0.98
			Level 6				1.2094	0.5247	0.97
Japan (2011)	Hokkaido, Aomori, Iwate, Miyagi, Fukushima, Ibaraki, Chiba	Mixed	Level 1	251 000 (total)			−2.4562	1.4874	0.99
			Level 2				−1.1373	1.115	0.96
			Level 3				−0.0756	0.8277	0.97
			Level 4				0.5316	0.6235	0.91
			Level 5				0.8336	0.6077	0.97
			Level 6				1.2244	0.5723	0.98
Japan (2011)	Ishinomaki and Sendai plains	Wood	Minor	150			2.4409	0.6409	0.95
			Moderate				2.9028	0.6777	0.94
			Major				3.8458	0.8516	0.95
			Complete				4.2243	1.0159	0.80
Japan (2011)	Ishinomaki and Sendai plains	Mixed	Minor	189			2.4954	0.8249	0.81
			Moderate				3.2550	1.0647	0.80
			Major				4.4355	1.3068	0.83
			Complete				5.0620	1.4872	0.84