

Supplementary Table 2. Characteristics of Included Literature
(*N* = 24)

Variables	Categories	n (%)
Publication year	2022	6 (25.0)
	2025	4 (16.7)
	2024	4 (16.7)
	2021	4 (16.7)
	2023	1 (4.2)
	2020	1 (4.2)
	2019	1 (4.2)
	2018	1 (4.2)
	2015	1 (4.2)
	2013	1 (4.2)
Country	South Korea	8 (33.3)
	United States	7 (29.2)
	China	4 (16.7)
	Iran	2 (8.3)
	Taiwan	1 (4.2)
	Turkiye	1 (4.2)
	Indonesia	1 (4.2)
Participants	Nursing students	16 (66.7)
	Nurses	7 (29.2)
	Multidisciplinary students	1 (4.2)
Sample size	< 50	3 (12.5)
	≥ 50 to < 100	12 (50.0)
	≥ 100 to < 150	5 (20.8)
	≥ 150 to < 200	3 (12.5)
	≥ 200	1 (4.2)
Thematic areas	Earthquake disasters	8 (33.3)
	CBRNE, chemical, hazardous materials, and HAZMAT disasters	5 (20.8)
	Mass-casualty incidents	3 (12.5)
	Complex disasters	3 (12.5)
	Infectious disease disasters	2 (8.3)
	Natural disasters (e.g., storms, large-scale natural events)	2 (8.3)
	Bioterrorism-related disasters	1 (4.2)
Simulation modalities	Online simulation	13 (54.2)
	Face-to-face simulation (SP, manikin, scenario-based)	9 (37.5)
	Blended (online-offline) simulation	2 (8.3)

CBRNE = chemical, biological, radiological, nuclear, and explosive;
HAZMAT = hazardous materials; SP = standardized patient.