

Supplementary Table 1. Search Strategies by Database

Database	Search strategy (Boolean query)	Filters/limits	Last search date
PubMed	((nurs* OR "nursing student*" OR "undergraduate nursing student*") AND (education OR learning OR training) AND (simulation OR "scenario-based" OR "high-fidelity") AND (disaster* OR "disaster nursing" OR emergency OR "mass casualty" OR triage))	Clinical Trial, Randomized Controlled Trial; from 2010/1/1 - 2025/12	10-Jan-26
CINAHL	((nurs* OR "nursing student*" OR "undergraduate nursing student*") AND ((simulation OR "high-fidelity simulation" OR "simulation training")) AND (disaster OR "disaster nursing" OR "mass casualty" OR triage))	Research Article; Published between January 2010–December 2025	10-Jan-26
CENTRAL	#1 (nurs* OR nursing NEXT student); #2 (education OR training); #3 (simulation OR high NEXT fidelity); #4 (disaster NEXT nursing OR emergency OR triage); #5 #1 AND #2 AND #3 AND #4	Content type Trials; Publication year Between 2010 and 2025	12-Jan-26
Embase	((('nursing student'/exp OR nurs*:ti,ab,kw OR 'nursing student':ti,ab,kw OR 'undergraduate nursing student':ti,ab,kw) AND ('nursing education'/exp OR education:ti,ab,kw OR learning:ti,ab,kw OR training:ti,ab,kw) AND (simulation:ti,ab,kw OR 'scenario-based':ti,ab,kw OR 'high-fidelity':ti,ab,kw) AND (disaster:ti,ab,kw OR 'disaster nursing':ti,ab,kw OR emergency:ti,ab,kw OR 'mass casualty':ti,ab,kw OR triage:ti,ab,kw))	Publication years 2010–2025; Evidence-based medicine controlled clinical trial, randomized controlled trial	12-Jan-26
RISS, KISS, DBpia, KMBase	Separate searches were conducted using combinations of the following keywords: "간호학생", "간호대학생", "간호사", "시뮬레이션", "재난", "재난간호", "재난간호교육", "재난훈련", "다수사상자", "중증도분류", and "트리아지", according to the search functions of each database.	Publication year: 2010–2025	16-Jan-26

CENTRAL = Cochrane Central Register of Controlled Trials; CINAHL = Cumulative Index to Nursing and Allied Health Literature; Embase = Excerpta Medica; KISS = Korean Studies Information Service System; RISS = Research Information Sharing Service.