Supplementary Digital Content 5 **Database Search Strategies**

Database(s): **ERIC (Ebsco)**from inception to April 14, 2023

Search Strategy:

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| **#** | **Searches** | **Results** |
| 1 | DE "Allied Health Occupations Education" OR DE "Medical Education" OR DE "Graduate Medical Education" OR DE "Nursing Education" OR DE "Pharmaceutical Education" OR DE "Veterinary Medical Education" | 22,016 |
| 2 | (DE "Nursing Students") OR (DE "Medical Students") | 6,280 |
| 3 | TI ( ((medic\* or surgic\* or nurs\* or veterinar\* or health or physiotherap\* or "physical therap\*" or "occupational therap\*" or diet\*) n2 (student\* or undergraduate\* or graduate\* or intern\* or clerk\* or fellow\* or residen\* or professional\* or clinician\* or practitioner\*) ) OR AB ( ((medic\* or surgic\* or nurs\* or veterinar\* or health or physiotherap\* or "physical therap\*" or "occupational therap\*" or diet\*) n2 (student\* or undergraduate\* or graduate\* or intern\* or clerk\* or fellow\* or residen\* or professional\* or clinician\* or practitioner\*) ) | 22,500 |
| 4 | S1 OR S2 OR S3 | 36,787 |
| 5 | DE "Simulation" OR DE "Computer Simulation" | 21,271 |
| 6 | TI ( simulat\* or "virtual reality" or "augmented reality" or "mixed reality" or CPR or resuscitation or "surg\* skill\*" or "procedur\* skill\*" or "procedur\* knowledge" ) OR AB ( simulat\* or "virtual reality" or "augmented reality" or "mixed reality" or CPR or resuscitation or "surg\* skill\*" or "procedur\* skill\*" or "procedur\* knowledge" ) | 27,549 |
| 7 | S5 OR S6 | 33,093 |
| 8 | TI ( "spaced training" or "spaced practice" or "spaced learning" or "distributed training" or "distributed practice" or "distributed learning" or "just-in-time" or "just-in-place" or refresher\* or warm?up or bolus or massed or boost\* or (skill\* n2 maint\*) ) OR AB ( "spaced training" or "spaced practice" or "spaced learning" or "distributed training" or "distributed practice" or "distributed learning" or "just-in-time" or "just-in-place" or refresher\* or warm?up or bolus or massed or boost\* or (skill\* n2 maint\*) ) | 7,157 |
| 9 | S4 AND S7 AND S8 | 13 |