Supplementary Digital Content 2 **Database Search Strategies**

Database(s): **Embase**1974 to 2023 April 12
Search Strategy:

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| **#** | **Searches** | **Results** |
| 1 | exp continuing education/ or in service training/ or exp medical education/ or exp paramedical education/ | 491634 |
| 2 | exp health student/ | 138460 |
| 3 | ((medic\* or surgic\* or nurs\* or veterinar\* or health or physiotherap\* or "physical therap\*" or "occupational therap\*" or diet\*) adj2 (student\* or undergraduate\* or graduate\* or intern\* or clerk\* or fellow\* or residen\* or professional\* or clinician\* or practitioner\*)).kf,tw. | 456913 |
| 4 | (education or learning or training or skill\* or CE or CME or CPD or "professional development" or course\*).kf,tw. | 2927616 |
| 5 | 1 or 2 or 3 or 4 | 3407137 |
| 6 | exp simulation/ or exp computer simulation/ or exp simulation training/ | 453173 |
| 7 | (simulat\* or "virtual reality" or "augmented reality" or "mixed reality" or CPR or resuscitation or "surg\* skill\*" or "procedur\* skill\*" or "procedur\* knowledge").kf,tw. | 869621 |
| 8 | 6 or 7 | 983576 |
| 9 | ("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\* adj2 maint\*)).kf,tw. | 210110 |
| 10 | 5 and 8 and 9 | 3306 |