**Supplementary Material Online: Appendix 1**

**Search Strategies for Systematic Review = Published Literature:**

**PubMed:**

|  |  |  |
| --- | --- | --- |
| **#** | **Searches** | **Results** |
| 12345678910111213141516171819202122232 | medical student\*"Students, Medical"[Mesh]nursing student\*"Students, Nursing"[Mesh](((medical student\*) OR "Students, Medical"[Mesh]) OR nursing student\*) OR "Students, Nursing"[Mesh]elective\*rotation\*clerkship\*"Clinical Clerkship"[Mesh](((elective\*) OR rotation\*) OR clerkship\*) OR "Clinical Clerkship"[Mesh]ethic\*"Ethics"[Mesh] OR "Ethics, Nursing"[Mesh] OR "Ethics, Professional"[Mesh] OR "Principle-Based Ethics"[Mesh]professionalism((ethic\*) OR ("Ethics"[Mesh] OR "Ethics, Nursing"[Mesh] OR "Ethics, Professional"[Mesh] OR "Principle-Based Ethics"[Mesh])) OR professionalismteaching"Teaching"[Mesh]trainingpreparationeducation"Education"[Mesh] OR "Education, Public Health Professional"[Mesh]intervention\*((((((teaching) OR "Teaching"[Mesh]) OR training) OR preparation) OR education) OR ("Education"[Mesh] AND "Education, Public Health Professional"[Mesh])) OR intervention\*(((((((medical student\*) OR "Students, Medical"[Mesh]) OR nursing student\*) OR "Students, Nursing"[Mesh])) AND ((((elective\*) OR rotation\*) OR clerkship\*) OR "Clinical Clerkship"[Mesh])) AND (((ethic\*) OR ("Ethics"[Mesh] OR "Ethics, Nursing"[Mesh] OR "Ethics, Professional"[Mesh] OR "Principle-Based Ethics"[Mesh])) OR professionalism)) AND (((((((teaching) OR "Teaching"[Mesh]) OR training) OR preparation) OR education) OR ("Education"[Mesh] OR "Education, Public Health Professional"[Mesh])) OR intervention\*) | 37583225142149517496585326123810841152953812173546168343125836515119879490934768221115575625995410054706299306503942025373342 |

**OVID Medline:**

|  |  |  |
| --- | --- | --- |
| **#** | **Searches** | **Results** |
| 123456789101112131415161718192021222324 | Students, Medical/medical student\*.mpStudents, Nursing/nursing student\*.mp#1 OR #2 OR #3 OR #4elective\*.mpRotation/Rotation\*.mpClinical Clerkship/Clerkship\*.mp#6 OR #7 OR #8 OR #9 OR #10Ethics/ or Ethics, Medical/ethic\*.mpprofessionalism.mp#12 OR #13 OR #14 Teaching/teaching.mptraining.mppreparation.mpEducation/ or Education, Medical, Undergraduate/ education.mpintervention\*.mp. #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 #5 AND #11 AND #15 AND #23 | 22545 26572 1774793135758060347 207081050973822 5229169304 52426 135348 495013909942803 142453 28496225335737017 584054 620815 1618352**238** |

**EMBase:**

|  |  |  |
| --- | --- | --- |
| **#** | **Searches** | **Results** |
| 12345678910111213141516171819202122232425 | Medical student/medical student\*.mpnursing student/nursing student\*.mp#1 OR #2 OR #3 OR #4elective\*.mprotation/rotation\*.mpclerkship\*.mp#6 OR #7 OR #8 OR #9ethics/ or medical ethics/ethic\*.mpprofessionalism/professionalism.mp#11 OR #12 OR #13 OR #14 teaching/teaching.mptraining/training.mppreparation.mpeducation/ or medical education/education.mpintervention\*.mp. #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23#5 AND #10 AND #15 AND #24 | 446185372417792 21149 7411983558194311076853889193529 142941205499 47148847 21224468972 169198 63165382632298502 458933882626 821953 2175216**321** |
|  |  |  |

**Global Health:**

|  |  |  |
| --- | --- | --- |
| **#** | **Searches** | **Results** |
| 1234567891011121314151617181920212223242526 | medical student/medical student\*.mpnursing student/nursing student\*.mp#1 OR #2 OR #3 OR #4elective\*.mprotation/rotation\*.mpclerkship\*.mp#6 OR #7 OR #8 OR #9ethics/ or medical ethics/ethic\*.mpprofessionalism/professionalism.mp#11 OR #12 OR #13 OR #14 teaching/teaching.mptraining/training.mppreparation.mpmedical education/ or education/education.mpintervention/intervention\*.mp. #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24#5 AND #10 AND #15 AND #25 | 2186316404913565302542289560594539128038942828273151815577756634273342381839684837112667462**205689****4** |

**SCOPUS: Results 451**

|  |  |  |
| --- | --- | --- |
| **#** | **Searches**((((TITLE-ABS-KEY(**medical** **student\***)) OR (TITLE-ABS-KEY(**nursing** **student\***)))) AND (((TITLE-ABS-KEY(**elective\***)) OR (TITLE-ABS-KEY(**rotation\***)) OR (TITLE-ABS-KEY(**clerkship\***)))) AND (((TITLE-ABS-KEY(**ethic\***)) OR (TITLE-ABS-KEY(**professionalism**)))) AND (((TITLE-ABS-KEY(**teaching**)) OR (TITLE-ABS-KEY(**training**)) OR (TITLE-ABS-KEY(**preparation**)) OR (TITLE-ABS-KEY(**intervention\***)) OR (TITLE-ABS-KEY(**education**))))) |  |

**Web of Science Results: 250**

|  |  |  |
| --- | --- | --- |
| **#** | **Searches**TS=(**medical** **student\*** OR **nursing** **student\*)** AND TS=(**elective\*** OR **rotation\*** OR **clerkship\***) AND TS=(**ethic\*** OR **professionalism**) AND TS=(**teaching** OR **training** OR **preparation** OR **intervention\*** OR **education**). Doc Type=All document types; Languages=All languages. |  |

**ProQuest ASSIA: Results: 19**

|  |  |  |
| --- | --- | --- |
| **#** | **Searches**((medical student\*) OR SU.exact("MEDICAL STUDENTS") OR (nursing student\*) OR ((SU.exact("STUDENTS") OR SU.exact("STUDENTS 04208")) AND (SU.exact("NURSING") OR SU.exact("HEALTH SCIENCES NURSING")))) AND (elective\* OR rotation\* OR SU.exact("ROTATION") OR clerkship\*) AND (SU.exact("ETHICS") OR professionalism OR SU.exact("PROFESSIONALISM")) AND (teaching OR SU.exact("TEACHING") OR training OR (SU.exact("TRAINING") OR SU.exact("TRAINING 04559")) OR preparation OR SU.exact("PREPARATION") OR education OR (SU.exact("EDUCATION") OR SU.exact("EDUCATION 04561")) OR intervention\* OR (SU.exact("INTERVENTION") OR SU.exact("INTERVENTION 04938"))) |  |

**ProQuest Sociological Abstracts: Results: 4**

|  |  |  |
| --- | --- | --- |
| **#** | **Searches**((medical student\*) OR SU.exact("MEDICAL STUDENTS") OR (nursing student\*) OR (SU.exact("NURSING") OR SU.exact("HEALTH SCIENCES NURSING"))) AND (elective\* OR rotation\* OR SU.exact("ROTATION") OR clerkship\*) AND (ethic\* OR SU.exact("ETHICS") OR professionalism OR SU.exact("PROFESSIONALISM")) AND (teaching OR SU.exact("TEACHING") OR training OR (SU.exact("TRAINING") OR SU.exact("TRAINING 04559")) OR preparation OR education OR (SU.exact("EDUCATION") OR SU.exact("EDUCATION 04561")) OR intervention\* OR (SU.exact("INTERVENTION") OR SU.exact("INTERVENTION 04938"))) |  |

**ProQuest ERIC: Results: 14**

|  |  |  |
| --- | --- | --- |
| **#** | **Searches**((medical student\*) OR SU.exact("MEDICAL STUDENTS") OR (nursing student\*) OR SU.exact("NURSING STUDENTS")) AND (elective\* OR rotation\* OR clerkship\*) AND (ethic\* OR SU.exact("ETHICS") OR professionalism) AND (teaching OR SU.exact("TEACHING") OR training OR (SU.exact("TRAINING") OR SU.exact("TRAINING 04559")) OR preparation OR education OR (SU.exact("EDUCATION") OR SU.exact("EDUCATION 04561")) OR intervention\* OR (SU.exact("INTERVENTION") OR SU.exact("INTERVENTION 04938"))) |  |

**Grey Literature:**

|  |  |  |
| --- | --- | --- |
| **#****1****2****3****4****5** | **Searches (Google)**ethical electives trainingethical electives teachingethical electives preparationethical electives educationethical electives intervention**Recommendations from Expert Advisors**  | **Results****6****2****4****3****2****5** |

**Supplementary Material Online: Appendix 2**

**Assessment of Methodological Quality:**

**Levels of Evidence**

|  |  |
| --- | --- |
| **Level Of Evidence** | **Description** |
| Level I | Based on randomized, controlled trials (or meta-analysis of such trials) of adequate size to ensure a low risk of incorporating false-positive or false-negative results |
| Level II | Based on randomized, controlled trials that are too small to provide Level I evidence. These may show either positive trends that are not statistically significant or no trends and are associated with a high risk of false-negative results |
| Level III | Based on non-randomized, controlled or cohort studies, case series, case controlled studies, or cross-sectional studies |
| Level IV | Based on the opinion of respected authorities or that of an expert committee as indicated in published consensus conferences or guidelines |
| Level Va | Based on the opinion of those individuals who have knowledge in one particular field and are applying that knowledge to another field; or summarizes the collective wisdom or experiences of others in the field |
| Level Vb | Based on the opinion of those individuals who have written and reviewed the guidelines, based on their experience, knowledge of the relevant literature, and discussion with their peers |
| Ungraded  (VI) | Does not meet the above Criteria |

**Source taken from Benzies, K. M., Premji, S., Hayden, K. A. and Serrett, K. (2006), State-of-the-Evidence Reviews: Advantages and Challenges of Including Grey Literature. Worldviews on Evidence-Based Nursing; 3: 55–61**