

## Characteristics of multi-institutional health sciences education research: a systematic review

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### APPENDIX

#### Complete search strategies for each database

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Multi-institutional medical education studies  
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#### PubMed search strategy

Search terms	Preliminary search results
#1 ("Multi-Institutional Systems"[Mesh] OR "Hospital Shared Services"[Mesh] OR (multi[tiab] AND institutional[tiab]) OR (multi[tiab] AND institution[tiab]) OR "multi institution"[tiab] OR "multi-institution"[tiab] OR "multi hospital systems"[tiab] OR "multihospital system"[tiab] OR "multicenter"[tiab])	68,862
#2 ("education, medical"[MeSH Terms] OR "medical education"[tiab] OR "medical students"[tiab] OR "medical student"[tiab] OR "Students, Health Occupations"[Mesh] OR "Internship and Residency"[tiab] OR "clinical clerkship"[mesh] OR "residents"[tiab] OR "clerkship"[tiab] OR "clerkships"[tiab])	217,572
#3 ("Teaching"[Mesh] OR "teaching rounds"[tiab] OR "Clinical Competence"[Mesh] OR "clinical competence"[tiab] OR "competency-based education"[mesh] OR "education, distance"[mesh] OR "distance education"[tiab] OR "distance learning"[tiab] OR "educational measurement"[mesh] OR "problem-based learning"[mesh] OR "problem-based learning"[tiab] OR "Curriculum"[Mesh] OR "curriculum"[tiab] OR "educational models"[tiab] OR simulation lab[tiab] OR simulation laboratories[tiab] OR simulation laboratory[tiab] OR simulation labs[tiab] OR "simulation learning"[tiab] OR "education"[tiab] OR "USMLE"[tiab] OR "United States Medical Licensing Exam"[tiab])	423,056
#4 case reports[pt] OR letter[pt] OR comment[pt] OR editorial[pt] OR practice guideline[pt] OR historical article[pt] OR review[pt] OR news[pt] OR newspaper article[pt] OR legal cases[pt] OR meta-analysis[pt]	4,882,333
#5 1 AND #2 AND #3 NOT #4	301
#6 #5 AND English[la]	283

Key: [mh] Medical Subject Heading; [tiab] title/abstract word; [la] language; [pt] publication type.

**Education Resources Information Center (ERIC) search strategies (Proquest platform) September 20, 2013**

Search terms	Preliminary search results
#1 SU.EXACT("Educational Cooperation") OR SU.EXACT("Cooperative Planning") OR SU.EXACT("Consortia") OR SU.EXACT("International Cooperation") OR SU.EXACT("Agency Cooperation") OR SU.EXACT("Shared Resources and Services") OR SU.EXACT("Institutional Cooperation") OR SU.EXACT("Cooperative Programs") OR "interagency" OR "multi-institutional" OR "multiinstitutional"	30,185
#2 (SU.EXACT("Medical Education") OR SU.EXACT("Graduate Medical Education") OR SU.EXACT("Nursing Students") OR SU.EXACT("Allied Health Occupations") OR SU.EXACT("Medical Students") OR "residents" OR "residency" OR "clerkship" OR "clerkships" OR "medical student" OR "medical students" OR "graduate medical students" OR "medical education")	22,087
#3 (SU.EXACT("Internship Programs") OR SU.EXACT("Experiential Learning") OR SU.EXACT("Problem Based Learning") OR SU.EXACT("Field Experience Programs") OR SU.EXACT("Clinical Teaching (Health Professions)") OR SU.EXACT("Simulation") OR SU.EXACT("Classroom Techniques") OR SU.EXACT("Teaching Models") OR SU.EXACT("Clinical Experience") OR "clinical training" OR SU.EXACT("Instruction") OR SU.EXACT("Learning Strategies") OR SU.EXACT("Practicums") OR SU.EXACT("Teaching Methods") OR "simulations" OR SU.EXACT("Course Content") OR SU.EXACT("Curriculum Evaluation") OR SU.EXACT("Integrated Activities") OR SU.EXACT("Technology Integration") OR SU.EXACT("Online Courses") OR SU.EXACT("Models") OR SU.EXACT("Instructional Innovation") OR SU.EXACT("Program Development") OR SU.EXACT("Educational Strategies") OR SU.EXACT("Distance Education") OR SU.EXACT("Blended Learning") OR SU.EXACT("Electronic Learning") OR SU.EXACT("Curriculum Enrichment") OR SU.EXACT("Curriculum Development") OR SU.EXACT("Experimental Teaching") OR SU.EXACT("Curriculum Design") OR SU.EXACT("Educational Development"))	376,237
#4 #1 AND #2 AND #3	195
#5 #4 AND Scholarly journals	53

**EMBASE search strategies September 20, 2013**

Search terms	Preliminary search results
#1 exp multihospital system/	6,302
#2 exp medical education/	239,024
#3 #1 AND #2	39
#4 #1 AND #2 AND "journal articles"	31

**CINAHL search strategies September 24, 2013**

<b>Search terms</b>	<b>Preliminary search results</b>
#1 (MH "Multiinstitutional Systems") OR "multihospital" OR "multiinstitutional" OR "multicenter"	17,524
#2 (MH "Education, Medical+") OR (MH "Education, Health Sciences+") OR "Medical Education" OR "graduate medical education" OR "residency" OR "clerkship" OR "medical students"	169,827
#3 (MH "Teaching+") OR (MH "Education, Clinical+") OR (MH "Curriculum+")	132,671
#4 #1 AND #2 AND #3	102

Total of 469 references.

Used Endnote to delete duplicate records (32 duplicates).

453 references.