

Table S1. Search strategy for Cochrane Library

1	#1	MeSH descriptor: [Nurses] this term only OR MeSH descriptor: [Students, Nursing] this term only OR (nurs* OR nursing student*):ti,ab,kw
2	#2	MeSH descriptor: [Health Education] this term only OR MeSH descriptor: [Patient Education as Topic] this term only OR (health education OR education, health OR patient education OR education, patient* OR education of patient* OR patient teaching OR patient training OR hospital education OR clinical education):ti,ab,kw OR ((educat* OR inform* OR teach* OR train* OR learn*):ti,ab,kw NEAR/2 (health OR patient* OR consumer* OR individual*):ti,ab,kw)
3	#3	MeSH descriptor: [Professional Competence] this term only OR (competenc* OR capabilit* OR capacit* OR abilit*):ti,ab,kw OR ((knowledge):ti,ab,kw NEAR/2 (skill*):ti,ab,kw)
4	#4	MeSH descriptor: [Education, Nursing] this term only OR MeSH descriptor: [Nursing Education Research] this term only OR MeSH descriptor: [Education, Nursing, Baccalaureate] this term only OR MeSH descriptor: [Education, Nursing, Continuing] this term only OR MeSH descriptor: [Curriculum] this term only OR (educat* OR teach* OR learn* OR course* OR class* OR train* OR lecture* OR intervene* OR workshop):ti,ab,kw
5	#5	#1 AND #2 AND #3 AND #4

Table S2. Search strategy for Embase

1	#1	'nurse'/mj OR 'nursing student'/mj OR nurs* :ab,ti OR 'nursing student*':ab,ti
2	#2	('health education'/mj OR 'patient education'/mj OR 'health education':ab,ti OR 'education, health':ab,ti OR 'patient education':ab,ti OR 'education, patient*':ab,ti OR 'education of patient*':ab,ti OR 'patient teaching ':ab,ti OR 'patient training':ab,ti OR 'hospital education':ab,ti OR 'clinical education':ab,ti) OR ((educat* OR inform* OR teach* OR train* OR learn*) NEXT/1 (health OR patient* OR consumer* OR individual*))
3	#3	'professional competence'/mj OR competenc* :ab,ti OR 'competence'/mj OR 'competency'/mj OR 'competencies'/mj OR capabilit* :ab,ti OR 'capacitance'/mj OR 'capacity'/mj OR abilit* :ab,ti OR (knowledge:ab,ti AND skill* :ab,ti)
4	#4	'nursing education'/mj OR educat* :ab,ti OR teach* :ab,ti OR 'curriculum'/mj OR learn* :ab,ti OR course* :ab,ti OR class* :ab,ti OR train* :ab,ti OR lecture* :ab,ti
5	#5	#1 AND #2 AND #3 AND #4

Table S3. Search strategy for Medline

1	#1	The search strategy of #1 is the same as that in Embase.
2	#2	The search strategy of #2 is the same as that in Embase.
3	#3	The search strategy of #3 is the same as that in Embase.
4	#4	The search strategy of #4 is the same as that in Embase.
5	#5	The search strategy of #5 is the same as that in Embase.

Table S4. Search strategy for CINAHL

1	#1	(MM "Nurses") OR (MM "Students, Nursing") OR AB (nurs* OR Nursing student*)
2	#2	(MM "Health Education") OR (MM " Patient Education") OR TI (health education OR education, health OR patient education OR education, patient* OR education of patient* OR patient teaching OR patient training OR hospital education OR clinical education) OR (AB (educat* OR inform* OR teach* OR train* OR learn*) N1 AB (health OR patient* OR consumer* OR individual*))
3	#3	(MM "Professional Competence") OR AB (competenc* OR capabilit* OR capacit* OR abilit*) OR AB (Knowledge N1 skill*)
4	#4	(MM "Education, Nursing") OR (MM "Curriculum") OR AB (educat* OR teach* OR learn* OR course* OR class* OR train* OR lecture* OR intervene* OR workshop)
5	#5	#1 AND #2 AND #3 AND #4

Table S5. Search strategy for ERIC

1	#1	(DE "Nurses") OR (DE "Students, Nursing") OR AB (nurs* OR Nursing student*)
2	#2	(DE "Health Education") OR (DE "Patient Education") OR AB (health education OR education, health OR patient education OR education, patient* OR education of patient* OR patient teaching OR patient training OR hospital education OR clinical education) OR (AB (educat* OR inform* OR teach* OR train* OR learn*) N1 AB (health OR patient* OR consumer* OR individual*))
3	#3	(DE "Professional Competence") OR AB (competenc* OR capabilit* OR capacit* OR abilit*) OR AB (Knowledge N1 skill*)
4	#4	(DE "Education, Nursing") OR (DE "Curriculum") OR AB (educat* OR teach* OR learn* OR course* OR class* OR train* OR lecture* OR intervene* OR workshop)
5	#5	#1 AND #2 AND #3 AND #4