**Table S1**: Search strategy for each database

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| ***Pubmed*** | (((((((((critical) AND care)) OR (((critical) AND care) AND unit)) OR (((critical) AND care) AND units)) OR (((intensive) AND care) AND unit)) OR (((acute) AND care) AND unit)) OR ((acute) AND care)) OR ((intensive) AND care))) AND ((((((((((((((((nonphysician) AND provider)) OR ((nonphysician) AND providers)) OR ((nurse) AND practitioner)) OR ((nurse) AND practitioners)) OR ((physician) AND assistant)) OR ((((acute) AND care) AND nurse) AND practitioner)) OR ((((acute) AND care) AND nurse) AND practitioners)) OR ((nonphysician) AND staffing)) OR ((midlevel) AND practitioner)) OR ((midlevel) AND practitioners)) OR (((clinical) AND nurse) AND specialist)) OR (((clinical) AND nurse) AND specialists)) OR ((nonphysician) AND staff)) OR ((physician) AND assistants)) |
| **The Cochrane Library** | #1- MeSH descriptor: [Critical Care] explode all trees#2 - acute care ti,ab,kw (Word variations have been searched)#3 - nonphysician provider:ti,ab,kw (Word variations have been searched)#4 - MeSH descriptor: [Nurse Practitioners] explode all trees#5 - MeSH descriptor: [Physician Assistants] explode all trees#6 - acute care nurse practitioner ti,ab,kw (Word variations have been searched)#7 - acute care nurse practitioners ti,ab,kw (Word variations have been searched)#8 - nonphysician staff:ti,ab,kw (Word variations have been searched)#9 - nonphysician staffing ti,ab,kw (Word variations have been searched)#10 - midlevel practitioner:ti,ab,kw (Word variations have been searched)#11 - clinical nurse specialist ti,ab,kw (Word variations have been searched)#12 - clinical nurse specialists ti,ab,kw (Word variations have been searched)#13 - #1 or #2#14 - #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12#15 - #13 and #14 |
| **Embase** | #1 critical care.mp. or intensive care#2 acute care.mp. or emergency care#3 intensive care unit.mp. or intensive care/ or intensive care unit/#4 nurse practitioner.mp. or nurse practitioner/#5 physician assistant.mp. or physician assistant/#6 acute care nurse practitioner.mp. or acute care nurse practitioner/#7 nonphysician staff.mp.#8 nonphysician staffing.mp.#9 midlevel practitioner.mp#10 clinical nurse specialist.mp. or clinical nurse specialist/#11 1 or 2 or 3#12 4 or 5 or 6 or 7 or 8 or 9 or 10#13 11 and 12 |
| **CINAHL** | S14 (S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11) AND (S12 AND S13)S13 S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11S12 S1 OR S2 OR S3S11 clinical AND nurse AND specialistS10 nonphysician AND provider S9 midlevel AND providerS8 nonphysician AND staffingS7 nonphysician AND staff S6 acute AND care AND nurse AND practitionerS5 nurse AND practitionerS4 physician AND assistant S3 acute AND careS2 critical AND careS1 intensive AND care  |