**Supplemental Table 1, Full Search Strategy for Ovid MEDLINE Searched on 4/6/22**

|  |  |
| --- | --- |
| #1 | (post OR after OR following OR postsimulation).ti,ab,kw |
| #2 | (feedback OR reflexivity OR reflection OR rapid cycle deliberate practice$ OR RCDP).ti,ab,kw OR exp Formative Feedback/ |
| #3 | 1 and 2 |
| #4 | (post OR after OR following OR postsimulation).ti,ab,kw adj3 (action review$ OR event review$).ti,ab,kw |
| #5 | debrief\*.ti,ab,kw |
| #6 | 3 OR 4 OR 5 |
| #7 | (train\* OR education OR student$).ti,ab,kw. OR exp Inservice Training/ OR exp Education, Medical/ OR exp Students, Medical/ OR exp Education, Professional/ OR exp Education, Continuing/ OR ed.fs |
| #8 | simulat\*.ti,ab,kw OR exp Simulation Training/ OR exp Computer Simulation/ |
| #9 | (comparison OR comparable OR compare OR compared OR comparing OR versus).ti,ab,kw |
| #10 | (team$ OR group$).ti,ab,kw  |
| #11 | (improve$ OR improvement$ OR increase\* OR effective\*).ti,ab,kw |
| #12 | 6 AND 7 AND 8 AND 9 AND 10 AND 11 |

**Supplemental Table 2, Full Search Strategy for Embase.com Searched on 4/6/22**

|  |  |
| --- | --- |
| #1 | (post OR after OR following OR postsimulation):ab,ti,kw OR 'post event processing'/exp |
| #2 | (feedback OR reflexivity OR reflection OR 'rapid cycle deliberate practice$' OR RCDP):ab,ti,kw OR 'Constructive Feedback'/exp OR 'Reflection'/exp  |
| #3 | 1 and 2 |
| #4 | ((post OR after OR following OR postsimulation) NEAR/3 ('action review$' OR 'event review$')):ab,ti,kw |
| #5 | debrief\*:ab,ti,kw OR 'Debriefing'/exp |
| #6 | 3 OR 4 OR 5 |
| #7 | (train\* OR education OR student$):ab,ti,kw OR 'In service training'/exp OR 'medical student'/exp OR 'health student'/exp OR 'medical education'/de OR 'clinical education'/de OR 'residency education'/exp OR 'teaching round'/exp OR 'continuing education'/exp OR 'education program'/exp OR 'interprofessional education'/exp  |
| #8 | simulat\*:ab,ti,kw OR 'simulation based medical education'/exp OR 'simulation based mastery learning'/exp OR 'simulation training'/exp OR 'computer simulation'/exp OR 'simulation'/de OR 'high-fidelity simulation'/exp OR 'patient simulation'/exp OR 'virtual learning environment'/exp OR 'disease simulation'/exp OR 'predictive model'/exp OR 'vignette'/exp |
| #9 | (comparison OR comparable OR compare OR compared OR comparing OR versus):ab,ti,kw OR 'comparative effectiveness'/exp |
| #10 | (team$ OR group$):ab,ti,kw OR 'Teamwork'/exp OR 'Group'/exp |
| #11 | (improve$ OR improvement$ OR increase\* OR effective\*):ab,ti,kw |
| #12 | 6 AND 7 AND 8 AND 9 AND 10 AND 11 |

**Supplemental Table 3, Full Search Strategy for Cochrane CENTRAL Searched on 4/6/22**

|  |  |
| --- | --- |
| 1. #1
 | (post OR after OR following OR postsimulation).ti,ab,kw |
| #2 | (feedback OR reflexivity OR reflection OR rapid cycle deliberate practice$ OR RCDP).ti,ab,kw OR exp Formative Feedback/ |
| #3 | 1 and 2 |
| #4 | (post OR after OR following OR postsimulation).ti,ab,kw adj3 (action review$ OR event review$).ti,ab,kw |
| #5 | debrief\*.ti,ab,kw |
| #6 | 3 OR 4 OR 5 |
| #7 | (train\* OR education OR student$).ti,ab,kw. OR exp Inservice Training/ OR exp Education, Medical/ OR exp Students, Medical/ OR exp Education, Professional/ OR exp Education, Continuing/ OR ed.fs |
| #8 | simulat\*.ti,ab,kw OR exp Simulation Training/ OR exp Computer Simulation/ |
| #9 | (comparison OR comparable OR compare OR compared OR comparing OR versus).ti,ab,kw |
| #10 | (team$ OR group$).ti,ab,kw  |
| #11 | (improve$ OR improvement$ OR increase\* OR effective\*).ti,ab,kw |
| #12 | 6 AND 7 AND 8 AND 9 AND 10 AND 11 |

**Supplemental Table 4, Full Search Strategy for Web of Science Searched on 4/6/22**

|  |  |
| --- | --- |
| #1 | TS=(post OR after OR following OR postsimulation) |
| #2 | TS=(feedback OR reflexivity OR reflection OR "rapid cycle deliberate practice$" OR RCDP) |
| #3 | #1 AND #2 |
| #4 | TS=((post OR after OR following OR postsimulation) NEAR/3 ("action review$" OR "event review$")) |
| #5 | TS=(debrief\*) |
| #6 | #3 OR #4 OR #5 |
| #7 | TS=(train\* OR education OR student$) |
| #8 | TS=(simulat\*) |
| #9 | TS=(comparison OR comparable OR compare OR compared OR comparing OR versus) |
| #10 | TS=(team$ OR group$) |
| #11 | TS=(improve$ OR improvement$ OR increase\* OR effective\*)  |
| #12 | #6 AND #7 AND #8 AND #9 AND #10 AND #11 |

**Supplemental Table 5, Full Search Strategy for ClinicalTrials.gov Searched on 4/6/22**

|  |  |
| --- | --- |
| Other terms: | simulation OR simulated OR simulates OR simulated OR simulations  |
| Intervention/treatment: | debrief OR debriefing OR debriefs OR debriefed OR action review OR action reviews OR event review OR event reviews OR feedback OR reflexivity OR reflection OR rapid cycle deliberate practice OR RCDP |
| Title/acronym: | post OR after OR following OR postsimulation |

**Supplemental Table 6, Full Search Strategy for ERIC Searched on 4/6/22**

|  |  |
| --- | --- |
| #1 | (TI post OR AB post) OR (TI after OR AB after) OR (TI following OR AB following) OR (TI postsimulation OR AB postsimulation)  |
| #2 | (TI feedback OR AB feedback) OR (TI reflexivity OR AB reflexivity) OR (TI reflection OR AB reflection) OR (TI "rapid cycle deliberate practice?" OR AB "rapid cycle deliberate practice?") OR (TI RCDP OR AB RCDP) |
| #3 | #1 and #2 |
| #4 | (TI post OR AB post) OR (TI after OR AB after) OR (TI following OR AB following) OR (TI postsimulation OR AB postsimulation) N3 (TI "action review?" OR AB "action review?") OR (TI "event review?" OR AB "event review?")  |
| #5 | (TI debrief\* OR AB debrief\*)  |
| #6 | #3 OR #4 OR #5 |
| #7 | (TI train\* OR AB train\*) OR (TI education OR AB education) OR (TI student? OR AB student?)  |
| #8 | (TI simulat\* OR AB simulat\*)  |
| #9 | (TI comparison OR AB comparison) OR (TI comparable OR AB comparable) OR (TI compare OR AB compare) OR (TI compared OR AB compared) OR (TI comparing OR AB comparing) OR (TI versus OR AB versus) |
| #10 | (TI team? OR AB team?) OR (TI group? OR AB group?)  |
| #11 | (TI improve? OR AB improve?) OR (TI improvement? OR AB improvement?) OR (TI increase\* OR AB increase\*) OR (TI effective\* OR AB effective\*) |
| #12 | #6 AND #7 AND #8 AND #9 AND #10 AND #11 |

**Supplemental Table 7, Full Search Strategy for** **ProQuest ABI/INFORM Collection Searched on 4/5/22**

|  |  |  |
| --- | --- | --- |
| #1 | (post OR after OR following OR postsimulation) | in Anywhere except full text - NOFT |
| #2 | (feedback OR reflexivity OR reflection OR "rapid cycle deliberate practice\*" OR RCDP OR "action review?" OR "event review?" OR debrief\* )  | in Anywhere except full text - NOFT |
| #3 | (train\* OR education OR student?)  | in Anywhere except full text - NOFT |
| #4 | simulat\* | in Anywhere except full text - NOFT |
| #5 | (comparison OR comparable OR compare OR compared OR comparing OR versus) | in Anywhere except full text - NOFT |
| #6 | (improve? OR improvement? OR increase\* OR effective\*) | in Anywhere except full text - NOFT |
| #7 | (team? OR group?) | in Anywhere except full text - NOFT |