

## **Search Strategy Pubmed**

### **#1 Domain: ICU patients**

*Synonym/search string:*

"intensive care"[title/abstract] OR "ICU"[title/abstract] OR "IC"[title/abstract] OR "critical illness"[title/abstract] OR "critical ill"[title/abstract] OR "critically ill"[title/abstract] OR "critical care"[title/abstract] OR "intensive care"[MeSH Terms] OR "intensive care units"[MeSH Terms]

### **#2 Determinant: Delirium**

*Synonym/search string:*

"Delirium"[MeSH Terms] OR "delirium"[title/abstract] OR "agitation"[title/abstract] OR "confusion"[MeSH Terms] OR "confusion"[title/abstract] OR "inattentiveness"[title/abstract] OR "Disorientation"[title/abstract] OR "illusion"[title/abstract] OR "illusions"[title/abstract] OR "hallucinations"[MeSH Terms] OR "hallucination"[title/abstract] OR "hallucinations"[title/abstract] OR "Psychotic Disorders"[MeSH Terms] OR "psychotic disorder"[title/abstract] OR "psychotic disorders"[title/abstract]

### **#3 Outcome: Risk factors**

*Synonyms/search string:*

"risk factor" [Title/Abstract] OR "risk factors" [Title/Abstract] OR "influence" [Title/Abstract] OR "characteristics" [Title/Abstract] OR "predisposing factor" [Title/Abstract] OR "predisposing factors" [Title/Abstract] OR "precipitating factor" [Title/Abstract] OR "precipitating factors" [Title/Abstract] OR "precipitates" [Title/Abstract] OR "associated" [Title/Abstract] OR "related" [Title/Abstract] OR "cause" [Title/Abstract] OR "causes" [Title/Abstract] OR "factor" [Title/Abstract] OR "factors" [Title/Abstract] OR "predict" [Title/Abstract] OR "prediction" [Title/Abstract] OR risk factor[MeSH Terms] OR risk factors[MeSH Terms] OR factor, predisposing[MeSH Terms] OR factors, predisposing[MeSH Terms] OR factor, precipitating[MeSH Terms] OR factors, precipitating[MeSH Terms] OR prediction rule, clinical[MeSH Terms] OR clinical prediction rules[MeSH Terms]

**#1 & #2 & #3 & ("2000/01/01"[Date - Publication] : "3000"[Date - Publication])**

## **Search Strategy EMBASE**

### **#1 Domain: ICU patients**

*Synonym/search string:*

('intensive care':ti,ab OR 'ICU':ti,ab OR 'IC':ti,ab OR 'critical illness':ti,ab OR 'critical ill':ti,ab OR 'critically ill':ti,ab OR 'critical care':ti,ab) AND [embase]/lim

### **#2 Determinant: Delirium**

*Synonym/search string:*

('delirium':ti,ab OR 'agitation':ti,ab OR 'confusion':ti,ab OR 'inattentiveness':ti,ab OR 'Disorientation':ti,ab OR 'illusion':ti,ab OR 'illusions':ti,ab OR 'hallucination':ti,ab OR 'hallucinations':ti,ab OR 'psychotic disorder':ti,ab OR 'psychotic disorders':ti,ab) AND [embase]/lim

### **#3 Outcome: Risk factors**

*Synonyms/search string:*

('risk factor' :ti,ab OR 'risk factors' :ti,ab OR 'influence' :ti,ab OR 'characteristics' :ti,ab OR 'predisposing factor' :ti,ab OR 'predisposing factors' :ti,ab OR 'precipitating factor' :ti,ab OR 'precipitating factors' :ti,ab OR 'precipitates' :ti,ab OR 'associated' :ti,ab OR 'related' :ti,ab OR 'cause' :ti,ab OR 'causes' :ti,ab OR 'factor' :ti,ab OR 'factors' :ti,ab OR 'predict' :ti,ab OR 'prediction' :ti,ab) AND [embase]/lim

### **#1 & #2 & #3 & [2000-2013]/py**

## **Search Strategy Cochrane**

### **#1 Domain: ICU patients**

*Synonym/search string:*

"intensive care":ti,ab,kw OR "ICU":ti,ab,kw OR "IC":ti,ab,kw OR "critical illness":ti,ab,kw OR "critical ill":ti,ab,kw OR "critically ill":ti,ab,kw OR "critical care":ti,ab,kw

### **#2 Determinant: Delirium**

*Synonym/search string:*

"delirium":ti,ab,kw OR "agitation":ti,ab,kw OR "confusion":ti,ab,kw OR "inattentiveness":ti,ab,kw OR "Disorientation":ti,ab,kw OR "illusion":ti,ab,kw OR "illusions":ti,ab,kw OR "hallucination":ti,ab,kw OR "hallucinations":ti,ab,kw OR "psychotic disorder":ti,ab,kw OR "psychotic disorders":ti,ab,kw

### **#3 Outcome: Risk factors**

*Synonyms/search string:*

"risk factor" :ti,ab,kw OR "risk factors" :ti,ab,kw OR "influence" :ti,ab,kw OR "characteristics" :ti,ab,kw OR "predisposing factor" :ti,ab,kw OR "predisposing factors" :ti,ab,kw OR "precipitating factor" :ti,ab,kw OR "precipitating factors" :ti,ab,kw OR "precipitates" :ti,ab,kw OR "associated" :ti,ab,kw OR "related" :ti,ab,kw OR "cause" :ti,ab,kw OR "causes" :ti,ab,kw OR "factor" :ti,ab,kw OR "factors" :ti,ab,kw OR "predict" :ti,ab,kw OR "prediction" :ti,ab,kw

### **#1 & #2 & #3 & [2000-2013]**

## **Search Strategy CINAHL**

### **#1 Domain: ICU patients**

*Synonym/search string:*

TI "intensive care" OR AB "intensive care" OR TI "ICU" OR AB "ICU" OR TI "IC" OR AB "IC" OR TI "critical illness" OR AB "critical illness" OR TI "critical ill" OR AB "critical ill" OR TI "critically ill" OR AB "critically ill" OR TI "critical care" OR AB "critical care" & exclude MEDLINE & 2000-2013

### **#2 Determinant: Delirium**

*Synonym/search string:*

TI "delirium" OR AB "delirium" OR TI "agitation" OR AB "agitation" OR TI "confusion" OR AB "confusion" OR TI "inattentiveness" OR AB "inattentiveness" OR TI "Disorientation" OR AB "Disorientation" OR TI "illusion" OR AB "illusion" OR TI "illusions" OR AB "illusions" OR TI "hallucination" OR AB "hallucination" OR TI "hallucinations" OR AB "hallucinations" OR TI "psychotic disorder" OR AB "psychotic disorder" OR TI "psychotic disorders" OR AB "psychotic disorders" & exclude MEDLINE & 2000-2013

### **#3 Outcome: Risk factors**

*Synonyms/search string:*

TI "risk factor" OR AB "risk factor" OR TI "risk factors" OR AB "risk factors" OR TI "influence" OR AB "influence" OR TI "characteristics" OR AB "characteristics" OR TI "predisposing factor" OR AB "predisposing factor" OR TI "predisposing factors" OR AB "predisposing factors" OR TI "precipitating factor" OR AB "precipitating factor" OR TI "precipitating factors" OR AB "precipitating factors" OR TI "precipitates" OR AB "precipitates" OR TI "associated" OR AB "associated" OR TI "related" OR AB "related" OR TI "cause" OR AB "cause" OR TI "causes" OR AB "causes" OR TI "factor" OR AB "factor" OR TI "factors" OR AB "factors" OR TI "predict" OR AB "predict" OR TI "prediction" OR AB "prediction" & exclude MEDLINE & 2000-2013

### **#1 & #2 & #3**