

Supplementary File 1. Full Search Strategies For All Databases

Limiters:

- Date Range: 01 January 2000 – 31 March 2021
- Full-text studies published in English

1. PubMed

("virtual realit*" [Title/Abstract] OR "virtual reality" [MeSH Terms] OR "VR" [Title/Abstract] OR "augmented realit*" [Title/Abstract] OR "augmented reality" [MeSH Terms] OR "AR" [Title/Abstract] OR "mixed realit*" [Title/Abstract])

AND

("health" [Title/Abstract] OR "health" [MeSH Terms])

AND

("educat*" [Title/Abstract] OR "educational status" [MeSH Terms] OR "education" [MeSH Terms] OR "intervention*" [Title/Abstract])

AND

("dementia" [Title/Abstract] OR "dementia" [MeSH Terms] OR "Alzheimer disease" [Title/Abstract] OR "Alzheimer disease" [MeSH Terms])

AND

("knowledge" [MeSH Terms] OR "knowledge*" [Title/Abstract] OR "attitude" [MeSH Terms] OR "attitude*" [Title/Abstract] OR "experience*" [Title/Abstract] OR "awareness" [MeSH Terms] OR "aware*" [Title/Abstract] OR "understand*" [Title/Abstract] OR "perception" [MeSH Terms] OR "perception*" [Title/Abstract] OR "comprehension" [MeSH Terms] OR "comprehension*" [Title/Abstract])

AND

("health professional*" [Title/Abstract] OR "personnel*" [Title/Abstract] OR "allied health personnel*" [Title/Abstract] OR "allied health personnel" [MeSH Terms] OR "doctor*" [Title/Abstract] OR "medical staff" [Title/Abstract] OR "nurs*" [Title/Abstract] OR "physical therap*" [Title/Abstract] OR "physiotherapy" [Title/Abstract] OR "occupational therap*" [Title/Abstract] OR "dieti*" [Title/Abstract] OR "trainee*" [Title/Abstract] OR "student*" [Title/Abstract])

2. EMBASE

("virtual realit*":ti,ab OR 'virtual reality'/exp OR VR:ti,ab OR "augmented realit*":ti,ab OR 'augmented reality'/exp OR AR:ti,ab OR "mixed realit*":ti,ab)

AND

(health:ti,ab OR 'health'/exp)

AND

(educat*:ti,ab OR 'educational status'/exp OR 'education'/exp OR intervention*:ti,ab)

AND

(dementia:ti,ab OR 'dementia'/exp OR "Alzheimer disease":ti,ab OR 'Alzheimer disease'/exp)

AND

('knowledge'/exp OR knowledge*:ti,ab OR 'attitude'/exp OR attitude*:ti,ab OR experience*:ti,ab OR 'awareness'/exp OR aware*:ti,ab OR understand*:ti,ab OR 'perception'/exp OR perception*:ti,ab OR 'comprehension'/exp OR comprehension*:ti,ab)

AND

("health professional*":ti,ab OR personnel*:ti,ab OR "allied health personnel*":ti,ab OR 'paramedical personnel'/exp OR doctor*:ti,ab OR "medical staff":ti,ab OR nurs*:ti,ab OR "physical therap*":ti,ab OR physiotherapy:ti,ab OR "occupational therap*":ti,ab OR dieti*:ti,ab OR trainee*:ti,ab OR student*:ti,ab)

3. Cochrane

("virtual realit*":ti,ab OR [mh "virtual reality"] OR VR:ti,ab OR "augmented realit*":ti,ab OR [mh "augmented reality"] OR AR:ti,ab OR "mixed realit*":ti,ab)

AND

(health:ti,ab OR [mh health])

AND

(educat*:ti,ab OR [mh "educational status"] OR [mh education] OR intervention*:ti,ab)

AND

(dementia:ti,ab OR [mh dementia] OR "Alzheimer disease":ti,ab OR [mh "Alzheimer disease"])

AND

([mh knowledge] OR knowledge*:ti,ab OR [mh attitude] OR attitude*:ti,ab OR experience*:ti,ab OR [mh awareness] OR aware*:ti,ab OR understand*:ti,ab OR [mh perception] OR perception*:ti,ab OR [mh comprehension] OR comprehension*:ti,ab)

AND

("health professional*":ti,ab OR personnel*:ti,ab OR "allied health personnel*":ti,ab OR [mh "allied health personnel"] OR doctor*:ti,ab OR "medical staff":ti,ab OR nurs*:ti,ab OR "physical therap*":ti,ab OR physiotherapy:ti,ab OR "occupational therap*":ti,ab OR dieti*:ti,ab OR trainee*:ti,ab OR student*:ti,ab)

4. CINAHL

((TI "virtual realit*" OR AB "virtual realit*") OR (MH "virtual reality+") OR (TI VR OR AB VR) OR (TI "augmented realit*" OR AB "augmented realit*") OR (MH "augmented reality+") OR (TI "AR" OR AB "AR") OR (TI "mixed realit*" OR AB "mixed realit*"))

AND

((TI health OR AB health) OR (MH "health+"))

AND

((TI educat* OR AB educat*) OR (MH "educational status+") OR (MH "education+") OR (TI intervention* OR AB intervention*))

AND

((TI dementia OR AB dementia) OR (MH "dementia+") OR (TI "Alzheimer disease" OR AB "Alzheimer disease") OR (MH "Alzheimer's disease+"))

AND

((MH "knowledge+") OR (TI knowledge* OR AB knowledge*) OR (MH "attitude+") OR (TI attitude* OR AB attitude*) OR (TI experience* OR AB experience*) OR (MH "cognition+") OR (TI aware* OR AB aware*) OR (TI understand* OR AB understand*) OR (MH "perception+") OR (TI perception* OR AB perception*) OR (TI comprehension* OR AB comprehension*))

AND

((TI "health professional*" OR AB "health professional*") OR (TI personnel* OR AB personnel*) OR (TI "allied health personnel*" OR AB "allied health personnel*") OR (MH "allied health personnel+") OR (TI doctor* OR AB doctor*) OR (TI "medical staff" OR AB "medical staff") OR (TI nurs* OR AB nurs*) OR (TI "physical therap*" OR AB "physical therap*") OR (TI physiotherapy OR AB physiotherapy) OR (TI "occupational therap*" OR AB "occupational therap*") OR (TI dieti* OR AB dieti*) OR (TI trainee* OR AB trainee*) OR (TI student* OR AB student*))

5. Scopus

(TITLE-ABS("virtual realit*") OR INDEXTERMS("virtual reality") OR TITLE-ABS("VR") OR TITLE-ABS("augmented realit*") OR INDEXTERMS("augmented reality") OR TITLE-ABS("AR") OR TITLE-ABS("mixed realit*"))

AND

(TITLE-ABS("health") OR INDEXTERMS("health"))

AND

(TITLE-ABS("educat*") OR INDEXTERMS("educational status") OR INDEXTERMS("education") OR TITLE-ABS("intervention*"))

AND

(TITLE-ABS("dementia") OR INDEXTERMS("dementia") OR TITLE-ABS("Alzheimer disease") OR INDEXTERMS("Alzheimer disease"))

AND

(INDEXTERMS("knowledge") OR TITLE-ABS("knowledge*") OR INDEXTERMS("attitude") OR TITLE-ABS("attitude*") OR TITLE-ABS("experience*") OR INDEXTERMS("awareness") OR TITLE-

ABS("aware*") OR TITLE-ABS("understand*") OR INDEXTERMS("perception") OR TITLE-ABS("perception*") OR INDEXTERMS("comprehension") OR TITLE-ABS("comprehension*"))

AND

(TITLE-ABS("health professional*") OR TITLE-ABS("personnel*") OR TITLE-ABS("allied health personnel*") OR INDEXTERMS("allied health personnel") OR TITLE-ABS("doctor*") OR TITLE-ABS("medical staff") OR TITLE-ABS("nurs*") OR TITLE-ABS("physical therap*") OR TITLE-ABS("physiotherapy") OR TITLE-ABS("occupational therap*") OR TITLE-ABS("dieti*") OR TITLE-ABS("trainee*") OR TITLE-ABS("student*"))

6. Web of Science Core Collection

ALL=("virtual realit*" OR VR OR "augmented realit*" OR AR OR "mixed realit*")

AND

ALL=(health)

AND

ALL=(educat* OR intervention*)

AND

ALL= (dementia OR "Alzheimer disease")

AND

ALL=(knowledge* OR attitude* OR experience* OR aware* OR understand* OR perception* OR comprehension*)

AND

ALL=("health professional*" OR personnel* OR "allied health personnel*" OR doctor* OR "medical staff" OR nurs* OR "physical therap*" OR physiotherapy OR "occupational therap*" OR dieti* OR trainee* OR student*)

7. PsychINFO

("virtual realit*".ti,ab OR exp virtual reality/ OR VR.ti,ab OR "augmented realit*".ti,ab OR exp augmented reality/ OR AR.ti,ab OR "mixed realit*".ti,ab)

AND

(health.ti,ab OR exp health/)

AND

(educat*.ti,ab OR exp education/ OR intervention*.ti,ab)

AND

(dementia.ti,ab OR exp dementia/ OR "Alzheimer disease".ti,ab OR exp Alzheimer disease/)

AND

(exp health knowledge/ OR knowledge*.ti,ab OR exp attitudes/ OR attitude*.ti,ab OR experience*.ti,ab OR exp awareness/ OR aware*.ti,ab OR understand*.ti,ab OR exp perception/ OR perception*.ti,ab OR exp comprehension/ OR comprehension*.ti,ab)

AND

("health professional*.ti,ab OR personnel*.ti,ab OR "allied health personnel*.ti,ab OR exp allied health personnel/ OR doctor*.ti,ab OR "medical staff".ti,ab OR nurs*.ti,ab OR "physical therap*.ti,ab OR physiotherapy.ti,ab OR "occupational therap*.ti,ab OR dieti*.ti,ab OR trainee*.ti,ab OR student*.ti,ab)

8. ERIC (Ovid)

(ti,ab("virtual realit*") OR MAINSUBJECT.EXACT.EXPLODE("Computer Simulation") OR ti,ab("VR") OR ti,ab("augmented realit*") OR ti,ab("AR"))

AND

(ti,ab("health") OR MAINSUBJECT.EXACT.EXPLODE("Health"))

AND

(ti,ab("educat*") OR MAINSUBJECT.EXACT.EXPLODE("Education") OR ti,ab("intervention*"))

AND

(ti,ab("dementia") OR MAINSUBJECT.EXACT.EXPLODE("Dementia") OR ti,ab("Alzheimer disease") OR MAINSUBJECT.EXACT.EXPLODE("Alzheimers Disease"))

AND

(ti,ab("knowledge*") OR MAINSUBJECT.EXACT.EXPLODE("Attitudes") OR ti,ab("attitude*") OR ti,ab("experience*"))

AND

(ti,ab("health professional*") OR ti,ab("personnel*") OR ti,ab("allied health personnel*") OR MAINSUBJECT.EXACT.EXPLODE("Allied Health Personnel") OR ti,ab("doctor*") OR ti,ab("medical staff") OR ti,ab("nurs*") OR ti,ab("physical therap*") OR ti,ab("physiotherapy") OR ti,ab("occupational therap*") OR ti,ab("dietic*") OR ti,ab("trainee*") OR ti,ab("student*"))