Additional file 1

**Complete search strategy**

**Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to April 24, 2019>**

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1 exp Mental Disorders/ or Professional Impairment/ or (mental disorder\* or mental health or depression or bipolar or anxiety disorder\* or mood disorder\* or stress disorder\* or burnout or burn out or ptsd or ((substance or drug\* or opiate\* or opioid\*) adj3 abus\*) or alcohol\* or addict\* or (attempt\* adj2 suicid\*)).ti,ab,kf. or (impair\* adj (nurse\* or professional\*)).ti,ab,kf. (1718464)

2 Return to Work/ or Vocational Rehabilitation/ or (((job or work\* or employment or employee\* or practice) adj4 (reintegrat\* or re-integrat\* or re-entry or reentry or reenter or re-enter\* or return\*)) or duty to accommodate).ti,ab,kf. or sick leave/ or (leave of absence or sick leave or sickness absence or illness absence or (leave adj3 (medical or rehabilitat\* or recover\*))).ti,ab,kf. (30353)

3 1 and 2 (6967)

4 (nurse\* or lpn\* or rn\* or nurs\* assistant\*).mp. (1373614)

5 3 and 4 (205)

**Embase <1974 to 2019 April 24>**

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1 exp mental disease/ or exp drug dependence/ or exp substance abuse/ or (mental disorder\* or mental health or depression or bipolar or anxiety disorder\* or mood disorder\* or stress disorder\* or burnout or burn out or ptsd or ((substance or drug\* or opiate\* or opioid\*) adj3 abus\*) or alcohol\* or addict\* or (attempt\* adj2 suicid\*)).ti,ab,kw. (2582264)

2 return to work/ or vocational rehabilitation/ or exp work resumption/ or (((job or work\* or employment or employee\* or practice) adj4 (reintegrat\* or re-integrat\* or re-entry or reentry or reenter or re-enter\* or return\*)) or duty to accommodate).ti,ab,kw. or (leave of absence or sick leave or sickness absence or illness absence or (leave adj3 (medical or rehabilitat\* or recover\*))).ti,ab,kw. (34916)

3 1 and 2 (8054)

4 (nurse\* or lpn\* or rn\* or nurse\* assistant\*).mp. (1769291)

5 3 and 4 (290)

**PsycINFO <1806 to April Week 4 2019>**

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1 exp mental disorders/ or impaired professionals/ or exp addiction/ or exp drug addiction/ or intravenous drug usage/ or (mental disorder\* or mental health or depression or bipolar or anxiety disorder\* or mood disorder\* or stress disorder\* or burnout or burn out or ptsd or ((substance or drug\* or opiate\* or opioid\*) adj3 abus\*) or alcohol\* or addict\* or (attempt\* adj2 suicid\*)).ti,ab,id. (975345)

2 reemployment/ or vocational rehabilitation/ or (((job or work\* or employment or employee\* or practice) adj4 (reintegrat\* or re-integrat\* or re-entry or reentry or reenter or re-enter\* or return\*)) or duty to accommodate).ti,ab,id. or (leave of absence or sick leave or sickness absence or illness absence or (leave adj3 (medical or rehabilitat\* or recover\*))).ti,ab,id. (12247)

3 1 and 2 (3317)

4 (nurse\* or lpn\* or rn\* or nurse\* assistant\*).mp. (77369)

5 3 and 4 (86)

**CINAHL Plus with Full-text (137 items retrieved)**

(MH "Mental Disorders+") OR "mental disorder\*" or "mental health " or depression or bipolar or "anxiety disorder\*" or "mood disorder\*" or "stress disorder\*" or burnout or "burn out" or ptsd or ((substance or drug\* or opiate\* or opioid\*) n3 abus\*) or alcohol\* or (attempt\* n2 suicid\*)

AND

(MH "rehabilitation, vocational") or (MH "sick leave") or (job or work\* or employment\* or employee\* or practice) n3 (reintegrat\* or "re-integrat\*" or "re-entry or reentry or reenter or "re-enter\*" or return\*) or "duty to accommodate" or "leave of absence" or "sick leave" or "sickness absence" or "illness absence" or (leave n3 (medical or rehabilitat\* or recover\*))

AND

nurs\* or lpn\* or rn\* or "nurs\* assistant\*"

**Cochrane Library (Advanced Search/Search Manager; 37 items retrieved)**

#1 [MH "Mental Disorders"] or [mh "Professional Impairment"] or ("mental disorder\*" or "mental health" or depression or bipolar or "anxiety disorder\*" or "mood disorder\*" or "stress disorder\*" or burnout or "burn out" or ptsd or ((substance or drug\* or opiate\* or opioid\*) near/3 abus\*) or alcohol\* or addict\* or (attempt\* near/2 suicid\*)):ti,ab,kw

#2 [mh "Return to Work"] or [mh "rehabilitation, vocational"] or [mh "sick leave"] or (((job or work\* or employment\* or employee\* or practice) near/4 (reintegrat\* or "re-integrat\*" or "re-entry" or reentry or reenter or "re-enter\*" or return\*)) or "duty to accommodate" or "leave of absence" or "sick leave" or "sickness absence" or "illness absence" or (leave near/3 (medical or rehabilitat\* or recover\*))):ti,ab,kw

#3 #1 and #2

#4 (nurse\* or lpn\* or rn\* or "nurs\* assistant\*"):ti,ab,kw

#5 #3 AND #4

**Scopus (Advanced Search; 166 items retrieved)**

TITLE-ABS("mental disorder\*" or "mental health" or depression or bipolar or "anxiety disorder\*" or "mood disorder\*" or "stress disorder\*" or burnout or "burn out" or ptsd or ((substance or drug\* or opiate\* or opioid\*) w/3 abus\*) or alcohol\* or addict\* or (attempt\* w/2 suicid\*)) AND TITLE-ABS(((job or work\* or employment\* or employee\* or practice) w/4 (reintegrat\* or "re-integrat\*" or "re-entry" or reentry or reenter or "re-enter\*" or return\*)) or "duty to accommodate" or "leave of absence" or "sick leave" or "sickness absence" or "illness absence" or (leave w/3 (medical or rehabilitat\* or recover\*))) AND TITLE-ABS(nurse\* or lpn\* or rn\* or "nurs\* assistant\*")

**Web of Science Core Collection (Advanced Search; 228 items retrieved)**

TS=("mental disorder\*" or "mental health" or depression or bipolar or "anxiety disorder\*" or "mood disorder\*" or "stress disorder\*" or burnout or "burn out" or ptsd or ((substance or drug\* or opiate\* or opioid\*) near/3 abus\*) or alcohol\* or addict\* or (attempt\* near/2 suicid\*)) AND TS=(((job or work\* or employment\* or employee\* or practice) near/4 (reintegrat\* or "re-integrat\*" or "re-entry" or reentry or reenter or "re-enter\*" or return\*)) or "duty to accommodate" or "leave of absence" or "sick leave" or "sickness absence" or "illness absence" or (leave near/3 (medical or rehabilitat\* or recover\*))) AND TS=(nurse\* or lpn\* or rn or rns or "nurs\* assistant\*")

**ProQuest Dissertations & Theses Global (35 items retrieved)**

"mental disorder\*" or "mental health" or depression or bipolar or "anxiety disorder\*" or "mood disorder\*" or "stress disorder\*" or burnout or "burn out" or ptsd or ((substance or drug\* or opiate\* or opioid\*) near/3 abus\*) or alcohol\* or addict\* or (attempt\* near/2 suicid\*)

AND

((job or work\* or employment\* or employee\* or practice) near/4 (reintegrat\* or "re-integrat\*" or "re-entry" or reentry or reenter or "re-enter\*" or return\*)) or "duty to accommodate" or "leave of absence" or "sick leave" or "sickness absence" or "illness absence" or (leave near/3 (medical or rehabilitat\* or recover\*))

AND

nurse\* or lpn\* or rn or rns or "nurs\* assistant\*"

**ProQuest ABI Inform (187 items retrieved)**

"mental disorder\*" or "mental health" or depression or bipolar or "anxiety disorder\*" or "mood disorder\*" or "stress disorder\*" or burnout or "burn out" or ptsd or ((substance or drug\* or opiate\* or opioid\*) near/3 abus\*) or alcohol\* or addict\* or (attempt\* near/2 suicid\*)

AND

((job or work\* or employment\* or employee\* or practice) near/4 (reintegrat\* or "re-integrat\*" or "re-entry" or reentry or reenter or "re-enter\*" or return\*)) or "duty to accommodate" or "leave of absence" or "sick leave" or "sickness absence" or "illness absence" or (leave near/3 (medical or rehabilitat\* or recover\*))

AND

nurse\* or lpn\* or rn or rns or "nurs\* assistant\*"

**EBSCO Business Source Complete (22 items retrieved)**

"mental disorder\*" or "mental health " or depression or bipolar or "anxiety disorder\*" or "mood disorder\*" or "stress disorder\*" or burnout or "burn out" or ptsd or ((substance or drug\* or opiate\* or opioid\*) n3 abus\*) or alcohol\* or (attempt\* n2 suicid\*)

AND

(MH "rehabilitation, vocational") or (MH "sick leave") or (job or work\* or employment\* or employee\* or practice) n3 (reintegrat\* or "re-integrat\*" or "re-entry or reentry or reenter or "re-enter\*" or return\*) or "duty to accommodate" or "leave of absence" or "sick leave" or "sickness absence" or "illness absence" or (leave n3 (medical or rehabilitat\* or recover\*))

AND

nurs\* or lpn\* or rn\* or "nurs\* assistant\*"