Database Search Protocol

Part One
RESEARCH QUESTION: What workplace interventions have been utilised to promote well-being and reduce burnout in healthcare workers (allied health, nurses, and physicians)?

Part Two
Which interventions are the most effective?

Inclusion Criteria
- Primary investigation intervention studies with quantifiable pre-test and post-test measures
- Allied health personnel including doctors and nurses

Exclusion Criteria
- Populations other than the listed allied health personnel, physicians, and nurses.
- Papers that report or discuss wellbeing but do not implement interventions
- Studies published before 2015
- Conference abstracts
- Non-English language
- Not peer-reviewed

Search terms used for Medline via OVID.

1. exp Nurses/ or exp Physicians/ or exp Health Personnel/ or exp Allied Health Occupations/ or exp Allied Health Personnel/
2. (chinese medicine practitioner* or ((Chinese medicine adj1 specialist*) or worker*) or chiropractor* or ((medical radiation adj1 practitioner*) or scientist* or technologist*) or occupational therapist* or optometrist* or osteopath* or pharmacist* or physiotherapist* or podiatrist* or psychologist* or art therapist* or audiologist* or dietitian* or exercise physiologist* or genetic counsellor* or music therapist* or orthoptist* or orthotist* or prosthetist* or perfusionist* or rehabilitation counsellor* or social worker* or sonographer* or speech pathologist*).ti,ab,kf.
3. exp Allied Health Personnel/ or (exp Community Health Workers/ or exp Dental Auxiliaries/ or exp Emergency Medical Technicians/ or exp Home Health Aides/ or exp Licensed Practical Nurses/ or exp Operating Room Technicians/ or exp Pharmacy Technicians/ or exp Physical Therapist Assistants/ or exp Physician Assistants/ or exp Dentists/ or exp Faculty, Dental/ or exp Nutritionists/ or exp Occupational Therapists/ or exp Optometrists/ or exp Personnel, Hospital/ or exp Pharmacists/ or exp Physical Therapists/ or exp Psychotherapists/)
4. 1 or 2 or 3
5. exp burnout, psychological/ or exp Burnout, Professional/ or exp Stress, Psychological/ or exp Job Satisfaction/ or exp work engagement/
6. (burnout* or burn out* or stress*).mp. or ((job* or work*) adj3 satisf*).ti,ab,kf.
7. exp Occupational Health/ or (exp Occupational Health/ or exp Occupational Health Services/ or exp Occupational Stress/)
8. 5 or 6 or 7
9. exp inservice training/
10. (Workplace* or work place*) and (intervention* or program* or class or classes or seminar or seminars or workshop* or training or strategy*).ti,ab,kf.
11. ((workplace or work place* or worksite* or work site* or employer* or organization* or organisation*) adj4 (intervention* or program* or class or classes or seminar or seminars or workshop* or training or strategy*)).ti,ab,kf.
12. 9 or 10 or 11
13. 4 and 8 and 12
14. limit 13 to (english language and ovid full text available and yr="2015 -Current")

All databases were accessed via OVID except for CINAHL which was accessed via EBSCO host.
Allied health personnel were selected based on the following list as per the Australian Government:
## Australian Government Department of Health list of Allied Health Professions.

<table>
<thead>
<tr>
<th>Ahpra-regulated allied health professions</th>
<th>Self-regulated allied health professions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese medicine practitioners</td>
<td>Art therapists</td>
</tr>
<tr>
<td>Chiropractors</td>
<td>Audiologists</td>
</tr>
<tr>
<td>Medical radiation practitioners</td>
<td>Dietitians</td>
</tr>
<tr>
<td>Occupational therapists</td>
<td>Exercise physiologists</td>
</tr>
<tr>
<td>Optometrists</td>
<td>Genetic counsellors</td>
</tr>
<tr>
<td>Osteopaths</td>
<td>Music therapists</td>
</tr>
<tr>
<td>Pharmacists</td>
<td>Orthoptists</td>
</tr>
<tr>
<td>Physiotherapists</td>
<td>Orthotists/prosthetists</td>
</tr>
<tr>
<td>Podiatrists</td>
<td>Perfusionists</td>
</tr>
<tr>
<td>Psychologists</td>
<td>Rehabilitation counsellors</td>
</tr>
<tr>
<td></td>
<td>Social workers</td>
</tr>
<tr>
<td></td>
<td>Sonographers</td>
</tr>
<tr>
<td></td>
<td>Speech pathologists</td>
</tr>
</tbody>
</table>

## CINAHL (via EBSCO host)

<table>
<thead>
<tr>
<th>Nurse* or Physician* or Health Personnel* or Allied Health Occupation* or Allied Health Personnel*</th>
</tr>
</thead>
</table>

AND

well-being or wellbeing or well being or workplace wellness OR job satisfaction* OR burnout OR workplace stress* OR occupational stress* OR (breaking news* adj2 difficult* OR bad*).ti,ab,kf

## EMBASE (via OVID)

1. exp Nurses/ or exp Physicians/ or exp Health Personnel/ or exp Allied Health Occupations/ or exp Allied Health Personnel/  
2. exp Allied Health Personnel/ or (exp Community Health Workers/ or exp Dental Auxiliaries/ or exp Emergency Medical Technicians/ or exp Home Health Aides/ or exp Licensed Practical Nurses/ or exp Operating Room Technicians/ or exp Pharmacy Technicians/ or exp Physical Therapist Assistants/ or exp Physician Assistants/ or exp Dentists/ or exp Faculty, Dental/ or exp Nutritionists/ or exp Occupational Therapists/ or exp Optometrists/ or exp Personnel, Hospital/ or exp Pharmacists/ or exp Physical Therapists/ or exp Psychotherapists/  
3. 1 OR 2

4. exp burnout/ or exp professional burnout/  
5. exp wellbeing/  
6. (well-being or wellbeing or well-being or workplace wellness or job satisfaction* or burnout or workplace stress* or occupational stress*).mp. or ((breaking news* adj2 difficult*) or bad*).ti,ab,kf.  
7. 4 OR 5 OR 6  
8. 3 AND 7

## EMCARE (via OVID)

1. exp Nurses/ or exp Physicians/ or exp Health Personnel/ or exp Allied Health Occupations/ or exp Allied Health Personnel/  
2. exp Allied Health Personnel/ or (exp Community Health Workers/ or exp Dental Auxiliaries/ or exp Emergency Medical Technicians/ or exp Home Health Aides/ or exp Licensed Practical Nurses/ or exp Operating Room Technicians/ or exp Pharmacy Technicians/ or exp Physical Therapist Assistants/ or exp Physician Assistants/ or exp Dentists/ or exp Faculty, Dental/ or exp Nutritionists/ or exp Occupational Therapists/ or exp Optometrists/ or exp Personnel, Hospital/ or exp Pharmacists/ or exp Physical Therapists/ or exp Psychotherapists/  
3. 1 OR 2

4. exp burnout/ or exp professional burnout/  
5. exp wellbeing/  
6. (well-being or wellbeing or well-being or workplace wellness or job satisfaction* or burnout or workplace stress* or occupational stress*).mp. or ((breaking news* adj2 difficult*) or bad*).ti,ab,kf.  
7. 4 OR 5 OR 6  
8. 3 AND 7
APA PSYCINFO (via OVID)

1. exp Nurses/ or exp Physicians/ or exp Health Personnel/ or exp Allied Health Occupations/ or exp Allied Health Personnel/

2. exp Allied Health Personnel/ or (exp Community Health Workers/ or exp Dental Auxiliaries/ or exp Emergency Medical Technicians/ or exp Home Health Aides/ or exp Licensed Practical Nurses/ or exp Operating Room Technicians/ or exp Pharmacy Technicians/ or exp Physical Therapist Assistants/ or exp Physician Assistants/ or exp Dentists/ or exp Faculty, Dental/ or exp Nutritionists/ or exp Occupational Therapists/ or exp Optometrists/ or exp Personnel, Hospital/ or exp Pharmacists/ or exp Physical Therapists/ or exp Psychotherapists/)

3. 1 OR 2

4. exp Occupational Stress/

5. exp Well being/

6. (well-being or wellbeing or well being or workplace wellness or job satisfaction* or burnout or workplace stress* or occupational stress*).mp. or ((breaking news* adj2 difficult*) or bad*).ti,ab

7. 4 OR 5 OR 6

8. 3 AND 7

Google Scholar
Health personnel OR Health occupations AND crisis intervention OR psychosocial intervention OR job satisfaction OR work engagement OR burnout, professional

Returned 123,000 results – limit to the first 5 pages.