Search log 1:

<table>
<thead>
<tr>
<th>Source</th>
<th>Date searched</th>
<th>Search strategy</th>
<th>Comments</th>
</tr>
</thead>
</table>
| MEDLINE (Ovid) | 25/05/2020    | Searches Results Type 1 (equit* or inequit* or inequalit* or disparit* or equality or equalities).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 141769 Advanced  
2 exp Health Services Accessibility/ 109686 Advanced  
3 exp Health Status Disparities/ 15167 Advanced  
4 exp Healthcare Disparities/ 16379 Advanced  
5 exp "Health Services Needs and Demand"/ 59165 Advanced  
6 2 or 3 or 4 or 5 181985 Advanced  
7 (healthcare access* or health care access* or health coverage or health service coverage or health service use*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 10552 Advanced  
8 (health services use* or unmet need* or unmet health needs or unmet healthcare needs or medical need* or needs assessment or underserved).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 66412 Advanced  
9 6 or 7 or 8 238974 Advanced  
10 1 and 9 42470 Advanced  
11 (Theor* or Model* or Concept* or Framework*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 4732144 Advanced  
12 10 and 11 14161 Advanced  
13 exp Age Factors/ 500289 Advanced  
14 exp Aged/ 3091795 Advanced  
15 13 or 14 3412568 Advanced  
16 exp Geriatrics/ 29819 Advanced  
17 exp Aging/ 243045 Advanced  
18 exp Frail Elderly/ 11252 Advanced  
19 (aged or geriatric* or elder* or old* or ageing or aging).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 6363995 Advanced  
20 exp Child/ 1895474 Advanced  
21 20 and (13 or 14 or 19) 727265 Advanced  
22 exp Middle Aged/ 4313015 Advanced  
23 22 and (13 or 14 or 19) 4313015 Advanced  
24 13 or 14 or 16 or 17 or 18 or 19 6563234 Advanced  
25 21 and 24 727265 Advanced  
26 24 not 21 5835969 Advanced |
<table>
<thead>
<tr>
<th>CINAHL (EBSCO)</th>
<th>21/05/2020</th>
<th>Search ID#</th>
<th>Search Terms</th>
<th>Search Options</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>S17</td>
<td>(((aged or geriatric* or elder* or old* or ageing or aging)) AND (S9 OR S10 OR S11 OR S12 OR S13 OR S14)) AND (S8 AND S15)</td>
<td>Search modes - Boolean/Phrase</td>
<td>Expanders - Apply equivalent subjects</td>
<td>Narrow by SubjectAge: - aged: 65+ years</td>
<td></td>
</tr>
<tr>
<td>S16</td>
<td>(((aged or geriatric* or elder* or old* or ageing or aging)) AND (S9 OR S10 OR S11 OR S12 OR S13 OR S14)) AND (S8 AND S15)</td>
<td>Search modes - Boolean/Phrase</td>
<td>Expanders - Apply equivalent subjects</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S15</td>
<td>((aged or geriatric* or elder* or old* or ageing or aging)) AND (S9 OR S10 OR S11 OR S12 OR S13 OR S14)</td>
<td>Search modes - Boolean/Phrase</td>
<td>Expanders - Apply equivalent subjects</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S14</td>
<td>(aged or geriatric* or elder* or old* or ageing or aging)</td>
<td>Search modes - Boolean/Phrase</td>
<td>Expanders - Apply equivalent subjects</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S13</td>
<td>(MH &quot;Frail Elderly&quot;)</td>
<td>Search modes - Boolean/Phrase</td>
<td>Expanders - Apply equivalent subjects</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S12</td>
<td>27 12 and 26 6436 Advanced</td>
<td>Search ID#</td>
<td>Search Terms</td>
<td>Search Options</td>
<td>Actions</td>
</tr>
<tr>
<td></td>
<td>28 23 and 24 4313015 Advanced</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>29 24 not 23 2250219 Advanced</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>30 26 or 29 61869894 Advanced</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>31 12 and 30 6860 Advanced</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Narrowed by SubjectAge: - aged: 65+ years
View Results (8,205) View Details Edit
S12
(MH "Aging")
Expanders - Apply equivalent subjects
Search modes - Boolean/Phrase

View Results (52,477) View Details Edit
S11
(MH "Geriatrics")
Expanders - Apply equivalent subjects
Search modes - Boolean/Phrase

View Results (5,856) View Details Edit
S10
(MH "Aged+")
Expanders - Apply equivalent subjects
Search modes - Boolean/Phrase

View Results (869,602) View Details Edit
S9
(MH "Age Factors")
Expanders - Apply equivalent subjects
Search modes - Boolean/Phrase

View Results (134,332) View Details Edit
S8
(((Theor* or Model* or Concept* or Framework*)) AND (S2 OR S3 OR S4 OR S5)) AND (S1 AND S7)
Expanders - Apply equivalent subjects
Search modes - Boolean/Phrase

View Results (9,524) View Details Edit
S7
((Theor* or Model* or Concept* or Framework*)) AND (S2 OR S3 OR S4 OR S5)
Expanders - Apply equivalent subjects
Search modes - Boolean/Phrase

View Results (42,756) View Details Edit
S6
(Theor* or Model* or Concept* or Framework*)
Expanders - Apply equivalent subjects
Search modes - Boolean/Phrase
View Results (941,751)View DetailsEdit
S5
((health services use*) or (unmet need*) or (unmet health needs) or (unmet healthcare needs) or (medical need*) or (needs assessment) or underserved)
Expanders - Apply equivalent subjects
Search modes - Boolean/Phrase
View Results (67,010)View DetailsEdit
S4
((healthcare access*) or (health care access*) or (health coverage) or (health service coverage) or (health service use*))
Expanders - Apply equivalent subjects
Search modes - Boolean/Phrase
View Results (81,130)View DetailsEdit
S3
(MH "Health Status Disparities") OR (MH "Healthcare Disparities")
Expanders - Apply equivalent subjects
Search modes - Boolean/Phrase
View Results (19,546)View DetailsEdit
S2
(MH "Health Services Accessibility") OR (MH "Health Services Needs and Demand")
Expanders - Apply equivalent subjects
Search modes - Boolean/Phrase
View Results (112,379)View DetailsEdit
S1
equit* or inequit* or inequalit* or disparit* or equality or equalities
Expanders - Apply equivalent subjects
Search modes - Boolean/Phrase
View Results (81,321)View DetailsEdit
<table>
<thead>
<tr>
<th>Database</th>
<th>Date</th>
<th>Search Terms</th>
<th>Indexes</th>
<th>Timespan</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>PsycINFO (Ovid)</td>
<td>21/05/2020</td>
<td>1 (equit* or inequit* or inequalit* or disparit* or equality or equalities).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures, mesh] 2 exp Health Status Disparities/ 3 (healthcare access* or health care access* or health coverage or health service coverage or health service use*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures, mesh] 4 (health services use* or unmet need* or unmet health needs or unmet healthcare needs or medical need* or needs assessment or underserved).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures, mesh] 5 (Theor* or Model* or Concept* or Framework*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures, mesh] 6 exp Aged/ 7 exp Geriatrics/ 8 exp Aging/ 9 (aged or geriatric* or elder* or old* or ageing or aging).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures, mesh] 10 2 or 3 or 4 11 6 or 7 or 8 or 9 12 1 or 2 13 5 and 10 and 11 and 12</td>
<td>SCI-EXPANDED, SSCI, A&amp;HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC</td>
<td>All years</td>
<td></td>
</tr>
<tr>
<td>(Web of Science)</td>
<td>21/05/2020</td>
<td>Search History: # 6 990 #5 AND #4 Indexes=SCI-EXPANDED, SSCI, A&amp;HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years # 5 4,310,602 TS=“Age Factors” OR aged OR geriatric* OR geriatrics OR elder* OR old* OR ageing OR aging OR “frail elderly”) Indexes=SCI-EXPANDED, SSCI, A&amp;HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years # 4 2,940 #3 AND #2 AND #1 Indexes=SCI-EXPANDED, SSCI, A&amp;HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years # 3 13,031,961 TS=(Theor* OR Model* OR Concept* OR Framework*) Indexes=SCI-EXPANDED, SSCI, A&amp;HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC</td>
<td>SCI-EXPANDED, SSCI, A&amp;HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC</td>
<td>All years</td>
<td></td>
</tr>
<tr>
<td>Timespan=All years</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50,514</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TS=&quot;(&quot;Health Services Accessibility&quot; OR &quot;healthcare access*&quot; OR &quot;health care access*&quot; OR &quot;Health Status Disparities&quot; OR &quot;Healthcare Disparities&quot; OR &quot;health coverage&quot; OR &quot;health service coverage&quot; OR &quot;health service use&quot; OR &quot;health services use&quot; OR &quot;Health Services Needs and Demand&quot; OR &quot;unmet need*&quot; OR &quot;unmet health needs&quot; OR &quot;unmet healthcare needs&quot; OR &quot;medical need*&quot; OR &quot;needs assessment&quot; OR underserved)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indexes=SCI-EXPANDED, SSCI, A&amp;HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timespan=All years</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>484,367</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOPIC: ((equit* or inequit* or inequalit* or disparit* or equality OR equalities))</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indexes=SCI-EXPANDED, SSCI, A&amp;HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timespan=All years</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance placed on this supplemental material which has been supplied by the author(s).