Additional file 1: Detailed search strategies

1. Ovid Medline
   Search date June 4 2014

PSYCHIATRIC DISORDERS
1. exp "mental disorders" (MeSH) or "mentally ill" or *stress, psychological/
2. ("mental disorder*" or "mental illness" or "mentally ill" or "mental disease" or "psychological problem*" or psychiatr* or "mental health problem*".ti.
3. 1 or 2

AND REHOSPITALISATION
4. "patient readmission" (MeSH)
5. exp "continuity of care" (MeSH)
6 ("rehospitali*" or "readmission" or "repeated admission" or "revolving door").ab
7. 4 or 5 or 6
8. 3 and 7

Search results:

<table>
<thead>
<tr>
<th>#</th>
<th>Searches</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>(&quot;mental disorder*&quot; or &quot;mental illness&quot; or &quot;mentally ill&quot; or &quot;mental disease&quot; or psychiatr*).ti.</td>
<td>96314</td>
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<td>2</td>
<td>exp *&quot;mental disorders&quot;/ or exp *&quot;mentally ill persons&quot;/</td>
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<tr>
<td>3</td>
<td>1 or 2</td>
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<tr>
<td>4</td>
<td>(&quot;rehospitali*&quot; or &quot;readmission&quot; or &quot;repeated admission&quot; or &quot;revolving door&quot;).ti.</td>
<td>2031</td>
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<td>5</td>
<td>*Patient Readmission/</td>
<td>3193</td>
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<td>6</td>
<td>4 or 5</td>
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<td>7</td>
<td>3 and 6</td>
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<td>8</td>
<td>limit 7 to yr=&quot;1990 -Current&quot;</td>
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<td>9</td>
<td>(editorial* or letter* or news* or comment*).pt.</td>
<td>1505334</td>
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<tr>
<td>10</td>
<td>8 not 9</td>
<td>490</td>
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</table>
2. PsycINFO

Search date June 6 2014

PSYCHIATRIC DISORDER
TI (mental* or "mental dis*" or "problem behav*" or "behav* problem*" or psychiatr* or psychological) OR KW (mental* or "mental dis*" or "problem behav*" or "behav* problem*" or psychiatr*)

AND REHOSPITALISATION
TI(rehospitali* or readmission or "continuity of care" or "revolving door") OR KW(rehospitali* or readmission or "continuity of care" or "revolving door")

Search results:
S4 Limiters - Publication Year: 1990-2014 Search modes - Boolean/Phrase 241
S3 S1 OR S2 423
S2 ( (MM "Mental Disorders" OR MM "Adjustment Disorders" OR MM "Affective Disorders" OR MM "Alexithymia" OR MM "Anxiety Disorders" OR MM "Autism" OR MM "Chronic Mental Illness" OR MM "Dementia" OR MM "Disassociative Disorders" OR MM "Eating Disorders" OR MM "Elective Mutism" OR MM "Factitious Disorders" OR MM "Gender Identity Disorder" OR MM "Hysteria" OR MM "Impulse Control Disorders" OR MM "Koro" OR MM "Mental Disorders due to General Medical Conditions" OR MM "Neurosis" OR MM "Paraphilias" OR MM "Personality Disorders" OR MM "Pervasive Developmental Disorders" OR MM "Pseudodementia" OR MM "Psychosis" OR MM "Schizoaffective Disorder") OR (MM "Psychiatric Patients") ) OR ( TI ("mental disorder*" or "mental* ill*" or "psychiatric disorder*" or "psychiatric patient*")) 185,653
S1 (TI(rehospitali* or readmission or "repeated admission" or "repeated hospitali*" or "revolving door") OR SU("Psychiatric Hospital Readmission")) 1,263

3. ProQuest Health Management

Search date June 6 2014

PSYCHIATRIC DISORDERS
AB("mental health" or "mental dis*" or "problem behav*" or "behav* problem*" or psychiatric or psychological)
AND REHOSPITALISATION
AB("rehospitali*" or "readmission" or "continuity of care" or "revolving door")
Search results:
S4 S3 limited to 1990-2014 37 references
S3 S1 AND S2 38 references
S2 (MJMESH.EXACT.EXPLODE("Patient Readmission:E.02.760.400.620") OR MJMESH.EXACT.EXPLODE("Patient Readmission:N.02.421.585.400.620")) OR ti((rehospitali* or readmission or "repeated admission" or "repeated hospitali*" or "revolving door")) 882
S1 SU.EXACT("Mental disorders") OR (MJMESH.EXACT.EXPLODE("Mental Disorders Diagnosed in Childhood") OR MJMESH.EXACT.EXPLODE("Mental Disorders")) OR ti(("mental disorder*" or "mental* ill*" or "psychiatric disorder*" or "psychiatric patient*"))

4. OpenGrey (formerly SIGLE)
Search date June 10 2014

PSYCHIATRIC DISORDERS
psychiatry OR "psychiatric patient" OR "mental disorder" OR "mental disease" OR "behavioral disorder"

AND REHOSPITALISATION
rehospitalisation OR readmission OR "continuity of care" OR "revolving door"

Search results:
(psychiatr* OR mental*) AND (rehospitali* OR readmission OR readmitted OR “repeated admission” OR "revolving door") 3 references

5. Google Scholar
Search date June 4 2014

Search results:
limit to years 1990-
allintitle: rehospitalization psychiatric 49 references
allintitle: rehospitalization mental 21 references
allintitle: readmission mental 34 references
allintitle: readmission psychiatric 113 references
allintitle: "revolving door" mental 26 references
allintitle: "revolving door" psychiatric 14 references
allintitle: repeated admission mental 0 references
allintitle: repeated admission psychiatric 0 references