

Appendix 2

MEDLINE Search strategy

Database: Ovid MEDLINE(R)

Search Strategy:

1. (chronic disease\$1 adj2 management tool\$1).ti,ab.
2. Chronic Disease/
3. ((chronic* or longterm or long-term) adj2 (care or condition* or disabilit* or disease* or disorder* or health* or ill or illness* or morbidit* or syndrom* or symptom*)).ti,ab.
4. ((multi or multiple) adj2 (condition* or disabilit* or disease* or disorder* or ill or illness* or morbidit*)).ti,ab.
5. (multimorbid* or multi-morbid*).ti,ab.
6. ((complicated or complex) adj2 (health or healthcare or illness* or morbidit*)).ti,ab.
7. Comorbidity/
8. (comorbid* or co-morbid*).ti,ab.
9. Arthritis/
10. exp Arthritis, Rheumatoid/
11. exp Osteoarthritis/
12. Periarthritis/
13. Spondylarthritis/
14. (arthriti* or osteoarthritis* or osteo arthriti* or osteoarthrosis or osteo arthrosis or periarthriti* or peri arthriti* or polyarthriti* or poly arthriti* or spondylarthriti* or spondyl arthriti*).ti,ab.
15. ((Caplan* or Felty* or Sicca or Sjogren*) adj syndrome*).ti,ab.
16. (rheumatoid adj (nodulos* or vasculit*)).ti,ab.
17. ("adult onset" adj1 (still* adj disease)).ti,ab.
18. Depression/
19. exp Depressive Disorder/
20. (depress* or melanchol*).ti,ab.
21. dysthymic disorder*.ti,ab.
22. ("seasonal affective" or "seasonal mood") adj disorder*).ti,ab.
23. (involutional adj (psychos* or paraphreni*)).ti,ab.
24. Diabetes Mellitus/
25. diabetes mellitus, type 1/
26. diabetes mellitus, type 2/
27. diabetes complications/
28. diabet*.ti,ab.
29. ("Type 1" or "Type I" or "Type 2" or "Type II" or ID or NID) adj DM).ti,ab.
30. (IDDM or NIDDM).ti,ab.
31. exp Stroke/
32. stroke.ti,ab.
33. ((cerebrovascular or cerebro-vascular) adj (accident* or apoplex*)).ti,ab.
34. (vascular accident* adj2 brain).ti,ab.
35. ((brain or cerebral) adj2 (infarct* or isch?emi*)).ti,ab.
36. Alzheimer Disease/

37. alzheimer*.ti,ab.
38. exp Dementia/
39. (dement* or ament* or pseudodement* or pseudo-dement*).ti,ab.
40. (senile or senility).ti,ab.
41. Binswanger*.ti,ab.
42. ((mental* or cognit*) adj2 (declin* or degenerat* or deteriorat* or loss* or losing or lost)).ti,ab.
43. ((encephalopath* or leukoencephalopath* or leuko-encephalopath*) adj2 (arteriosclerotic or arterio-sclerotic or chronic progressive or subcortical or sub-cortical)).ti,ab.
44. exp Heart Failure/
45. ((heart or cardia* or myocard* or myo-card*) adj2 (decompensat* or edema* or failure* or incompeten* or insuffici*)).ti,ab.
46. Coronary Artery Disease/
47. coronary artery disease*.ti,ab.
48. (arterioscleros* or arterio-scleros* or atheroscleros* or athero-scleros*).ti,ab.
49. Atrial Fibrillation/
50. ((atria\$1 or atrium or auricular) adj fibrillat*).ti,ab.
51. exp Pulmonary Disease, Chronic Obstructive/
52. (chronic obstruct* adj (airflow or airway or lung or pulmonary)).ti,ab.
53. (chronic adj (airway or airflow or bronchitis or lung or pulmonary) adj obstruction*).ti,ab.
54. (emphysema* adj1 (centri-acinar or centri-lobular or focal or panacinar or pan-acinar or panlobular or pan-lobular or pulmonary)).ti,ab.
55. COPD.ti,ab.
56. exp Hip Fractures/
57. ((hip or hips or intertrochanteric or inter-trochanteric or subtrochanteric or sub-trochanteric or trochanteric) adj2 (fracture* or break* or broke*)).ti,ab.
58. ((femur neck* or femoral neck*) adj2 (fracture* or break* or broke*)).ti,ab.
59. osteoporosis/
60. osteoporosis, postmenopausal/
61. osteoporo*.ti,ab.
62. (bone loss* adj2 (aging or ageing or "age related" or postmenopaus* or post-menopaus*)).ti,ab.
63. exp Urinary Incontinence/
64. ((urinary or urge) adj2 incontinen*).ti,ab.
65. (involuntar* adj1 discharg* adj2 (urinary or urine)).ti,ab.
66. or/2-65
67. Decision Support Systems, Clinical/
68. exp Decision Support Techniques/
69. exp Decision Making, Computer-Assisted/
70. (decision* adj2 (aid or aids or aided or aiding or analys?s or computer-assisted or model* or support*)).ti,ab.
71. Electronic Mail/
72. (email* or e-mail* or electronic mail*).ti,ab.
73. exp Cell Phones/
74. ((cell or cellular or car or mobile or smart) adj (phone* or telephone*)).ti,ab.
75. (cellphone* or carphone* or smartphone*).ti,ab.
76. ((text or short) adj2 messag*).ti,ab.
77. texting.ti,ab.

78. exp Internet/
79. (internet or blog* or blogging or "collaborative writing" or collaboration tool\$1 or conferencing or chat or crowd sourc* or crowdsourc* or "instant messaging" or "micro blogging" or microblogging or mind-mapping tool* or pod cast* or podcast* or RSS or "really simple syndication" or screen cast* or screencast* or social network* or social bookmark* or social bibliograph* or social document* or photograph-shar* or presentation-shar* or video-shar* or virtual world* or vod cast* or vodcast* or video cast* or videocast* or web brows* or wiki* or widget*).ti,ab.
80. ("social web" or "social media" or "social software" or web2 or "web 2.0" or "web 2" or "medicine 2.0" or "health 2.0" or "nursing 2.0" or "pharmacy 2.0").ti,ab.
81. (Blogger or Bloglines or Dropbox or Facebook or Flickr or FourSquare or Friendster or "Google blogsearch" or "Google Docs" or "Google Flu" or "Google Buzz" or "Google Chat" or "Google Reader" or Gowalla or iGoogle or Instagram or LibraryThing or LifeStream or MySpace or Netvibes or Pageflakes or Picasa or Pinterest or Podscope or Reddit or Scribd or SlideShare or Slidrocket or Skype or "Second Life" or Tumblr or Vimeo or WebMD or Wikipedia or WordPress or Twitter or UStream or Yammer).ti,ab.
82. (Moodle or PatientsLikeMe or YouTube).ti,ab.
83. Mobile Applications/
84. ((mobile or portable) adj2 (app or apps or application*)).ti,ab.
85. (ipad or ipads or iphone* or itouch*).ti,ab.
86. Medical Informatics Applications/
87. (informat* adj2 application*).ti,ab.
88. (interactiv* adj2 application*).ti,ab.
89. ((client\$1 or health or healthcare or patient\$1) adj2 (portal* or track*)).ti,ab.
90. Point-of-Care Systems/
91. (("point-of-care" or bedside*) adj2 (automat* or comput* or internet* or online or system* or technolog* or web-based or WWW)).ti,ab.
92. Reminder Systems/
93. (remind* or prompt*).ti,ab.
94. recall system*.ti,ab.
95. exp Educational technology/
96. ((educat* or instruct*) adj2 (aid or aids or computer-assist* or material* or medium* or media or resource* or technolog*)).ti,ab.
97. (smart adj2 technolog*).ti,ab.
98. exp Self Help Devices/
99. ((self-help or assisted or assistive) adj2 (device* or technolog*)).ti,ab.
100. exp Telemedicine/
101. (telemedicine or tele-medicine or telehealth or tele-health or telemonitor* or tele-monitor* or telenursing or tele-nursing or telerehabilitation or tele-rehabilitation or ehealth or "e-health" or mhealth or "m-health" or mobile health).ti,ab.
102. or/67-101
103. Community Networks/
104. ((local or communit*) adj2 network*).ti,ab.
105. exp Decision Making/
106. (decision* adj1 (make or making)).ti,ab.
107. decisionmak*.ti,ab.
108. (behav* adj2 (choos* or choice*)).ti,ab.

109. ((informed or share or shared or sharing) adj2 (choice* or decision*)).ti,ab.
110. "continuity of patient care"/
111. ((continui* or continuum*) adj2 (care or healthcare)).ti,ab.
112. ((care or critical or healthcare) adj2 (map or maps or mapping or path or paths or pathway*)).ti,ab.
113. patient handoff/
114. ((patient* or clinical or nurs*) adj2 (handoff* or hand-off* or handover* or hand-over*)).ti,ab.
115. exp Counseling/
116. counsel*.ti,ab.
117. exp Delivery of Health Care, Integrated/
118. ((care or health care or healthcare or health service*) adj2 (collaborat* or comanag* or co-manag* or coordinat* or co-ordinat* or integrat* or interconnect* or inter-connect* or interdisciplinary or inter-disciplinary or interprofessional* or inter-professional* or multidisciplinary or multi-disciplinary or multidimension* or multi-dimension*)).ti,ab.
119. exp Disease Management/
120. ((disease* or patient\$1) adj1 manag*).ti,ab.
121. exp Education, Continuing/
122. ((continuing or physician* or provider* or professional* or clinician* or doctor* or nurs* or pharmac*) adj2 (CE or CME or CPD or educat* or train* or retrain* or re-train* or workshop*)).ti,ab.
123. Electronic Health Records/
124. (electronic adj (health or medical or patient\$1) adj record*).ti,ab.
125. (facilitated relay* or (patient\$1 adj1 mediat*)).ti,ab.
126. exp Health Education/
127. ((caregiver* or care giver* or consumer* or health* or patient\$1 or public) adj2 (booklet* or communicat* or educat* or inform* or instruct* or pamphlet* or teach* or train*)).ti,ab.
128. exp Health Promotion/
129. ((health* or wellness) adj2 (ad or ads or advertisement* or campaign* or promot*)).ti,ab.
130. Patient Compliance/
131. Patient Participation/
132. (patient\$1 adj2 (adher* or comply or complie* or complian* or engag* or followup* or follow-up* or interact* or involv* or motivat* or orient* or participat* or partner*)).ti,ab.
133. exp Organizational Innovation/
134. ((organi?ation* or institution*) adj2 (chang* or innovat*)).ti,ab.
135. exp Patient Care Planning/
136. ((nursing or patient\$1) adj1 care adj2 (manag* or plan or plans or planning)).ti,ab.
137. exp Patient Care Team/
138. (((patient\$1 adj1 care) or health or healthcare) adj2 team\$1).ti,ab.
139. Patient-Centered Care/
140. ((patient-centered or patient-centred or patient-focused or patient-focussed) adj2 (care or healthcare or nursing)).ti,ab.
141. case management*.ti,ab.
142. Self Care/
143. Self Administration/
144. ((self or personal*) adj2 (administ* or care or control* or empower* or help* or manag* or monitor* or regulat* or restrain* or support*)).ti,ab.
145. Self Efficacy/
146. ((patient\$1 or personal* or self) adj efficac*).ti,ab.

147. exp Self-Help Groups/
 148. ((self-help or support* or therapeutic*) adj2 (club* or group* or organi?ation*)).ti,ab.
 149. Social Support/
 150. ((caregiver* or care giver* or family or families or patient\$1 or peer or peers or social or psychosocial or psycho-social) adj2 (network* or support*)).ti,ab.
 151. exp Quality Assurance, Health Care/
 152. ((quality adj1 assur*) or (quality adj1 manag*) or (quality adj1 assess*)).ti,ab.
 153. exp Quality Improvement/
 154. ((quality or care or healthcare or health service*) adj2 improv*).ti,ab.
 155. Total Quality Management/
 156. ((total or continuous) adj quality management).ti,ab.
 157. (audit* or feedback or feed back).ti,ab.
 158. ((cash or money or financial) adj incentive*).ti,ab.
 159. "plan-do-study-act".ti,ab.
 160. Translational Medical Research/
 161. ((knowledge or medicine or medical or research) adj2 (exchang* or mobili?ation* or transfer* or translation* or utili?ation*)).ti,ab.
 162. or/103-161
 163. Intervention Studies/
 164. (approach* or aid or aids or checklist* or check list* or form or forms or device\$1 or innovation* or instrument* or intervention* or kit or kits or mechanism* or package\$1 or project\$1 or program* or standard* or strateg* or tool\$1 or toolkit* or technique* or technic or technics).ti,ab.
 165. (is or mt or st).fs.
 166. or/163-165
 167. 162 and 166
 168. 102 or 167
 169. 66 and 168
 170. 1 or 169
 171. exp Aged/
 172. Health Services for the Aged/
 173. (elderly or geriatric* or gerontolog* or old-age\$1 or senior\$1).ti,ab.
 174. (older adj2 (adult\$1 or age\$1 or female\$1 or male\$1 or patient or patients or person\$1 or people\$1 or population\$1)).ti,ab.
 175. or/171-174
 176. 170 and 175
 177. (controlled clinical trial or randomized controlled trial).pt.
 178. clinical trials as topic.sh.
 179. (randomi#ed or randomly or RCT\$1 or placebo*).tw.
 180. ((singl* or doubl* or trebl* or tripl*) adj (mask* or blind* or dumm*)).tw.
 181. trial.ti.
 182. or/177-181
 183. 176 and 182
 184. Controlled Clinical Trial/
 185. (control* adj2 trial*).tw.
 186. (nonrandom* or non-random* or quasi-random* or quasi-experiment*).tw.
 187. (nRCT or nRCTs or non-RCT\$1).tw.

188. (control* adj3 ("before and after" or "before after")).tw.
189. (time series adj3 interrupt*).tw.
190. (pre- adj3 post-).tw.
191. (pretest adj3 posttest).tw.
192. (control* adj2 stud\$3).tw.
193. Control Groups/
194. (control\$ adj2 group\$1).tw.
195. or/184-194
196. 176 and 195
197. (interview\$1 or experience\$1).mp.
198. qualitative.tw.
199. 197 or 198
200. 176 and 199
201. 183 or 196 or 200
202. exp Animals/ not (exp Animals/ and Humans/)
203. 201 not 202
204. (comment or editorial or letter or news).pt.
205. 203 not 204
206. limit 205 to yr="1990-current"