

Appendix 1 (as supplied by the authors)
MEDLINE Search – December 22, 2017

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. Diabetes Mellitus/
10. diabetes mellitus, type 1/
11. diabetes mellitus, type 2/
12. diabetes complications/
13. diabet*.ti,ab.
14. (("Type 1" or "Type I" or "Type 2" or "Type II" or ID or NID) adj DM).ti,ab.
15. (IDDM or NIDDM).ti,ab.
16. exp Stroke/
17. stroke.ti,ab.
18. ((cerebrovascular or cerebro-vascular) adj (accident* or apoplex*)).ti,ab.
19. (vascular accident* adj2 brain).ti,ab.
20. ((brain or cerebral) adj2 (infarct* or isch?emi*)).ti,ab.
21. Alzheimer Disease/
22. alzheimer*.ti,ab.
23. exp Dementia/
24. (dement* or ament* or pseudodement* or pseudo-dement*).ti,ab.
25. (senile or senility).ti,ab.
26. Binswanger*.ti,ab.
27. ((mental* or cognit*) adj2 (declin* or degenerat* or deteriorat* or loss* or losing or lost)).ti,ab.
28. ((encephalopath* or leukoencephalopath* or leuko-encephalopath*) adj2 (arteriosclerotic or arterio-sclerotic or chronic progressive or subcortical or sub-cortical)).ti,ab.
29. exp Heart Failure/
30. ((heart or cardia* or myocard* or myo-card*) adj2 (decompensat* or edema* or failure* or incompeten* or insuffici*)).ti,ab.
31. Coronary Artery Disease/
32. coronary artery disease*.ti,ab.
33. (arterioscleros* or arterio-scleros* or atheroscleros* or athero-scleros*).ti,ab.
34. Atrial Fibrillation/
35. ((atria\$1 or atrium or auricular) adj fibrillat*).ti,ab.
36. exp Pulmonary Disease, Chronic Obstructive/
37. (chronic obstruct* adj (airflow or airway or lung or pulmonary)).ti,ab.

Appendix to: Kastner M, Cardoso R, Lai Y, et al. Effectiveness of interventions for managing multiple high-burden chronic diseases in older adults: a systematic review and meta-analysis. *CMAJ* 2018. doi: 10.1503/cmaj.171391

Copyright © 2018 The Author(s) or their employer(s).

To receive this resource in an accessible format, please contact us at cmajgroup@cmaj.ca.

38. (chronic adj (airway or airflow or bronchitis or lung or pulmonary) adj obstruction*).ti,ab.
39. (emphysema* adj1 (centri-acinar or centri-lobular or focal or panacinar or pan-acinar or panlobular or pan-lobular or pulmonary)).ti,ab.
40. COPD.ti,ab.
41. exp Hip Fractures/
42. ((hip or hips or intertrochanteric or inter-trochanteric or subtrochanteric or sub-trochanteric or trochanteric) adj2 (fracture* or break* or broke*)).ti,ab.
43. ((femur neck* or femoral neck*) adj2 (fracture* or break* or broke*)).ti,ab.
44. osteoporosis/
45. osteoporosis, postmenopausal/
46. osteoporo*.ti,ab.
47. (bone loss* adj2 (aging or ageing or "age related" or postmenopaus* or post-menopaus*)).ti,ab.
48. exp Urinary Incontinence/
49. ((urinary or urge) adj2 incontinen*).ti,ab.
50. (involuntar* adj1 discharg* adj2 (urinary or urine)).ti,ab.
51. or/2-50
52. Decision Support Systems, Clinical/
53. exp Decision Support Techniques/
54. exp Decision Making, Computer-Assisted/
55. (decision* adj2 (aid or aids or aided or aiding or analys?s or computer-assisted or model* or support*)).ti,ab.
56. Electronic Mail/
57. (email* or e-mail* or electronic mail*).ti,ab.
58. exp Cell Phones/
59. ((cell or cellular or car or mobile or smart) adj (phone* or telephone*)).ti,ab.
60. (cellphone* or carphone* or smartphone*).ti,ab.
61. ((text or short) adj2 messag*).ti,ab.
62. texting.ti,ab.
63. exp Internet/
64. (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.
65. ("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.
66. (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 Sliderocket or Skype or "Second Life" or Tumblr or Vimeo or WebMD or Wikipedia or WordPress or Twitter or UStream or Yammer).ti,ab.
67. (Moodle or PatientsLikeMe or YouTube).ti,ab.

68. Mobile Applications/
69. ((mobile or portable) adj2 (app or apps or application*)).ti,ab.
70. (ipad or ipads or iphone* or itouch*).ti,ab.
71. Medical Informatics Applications/
72. (informat* adj2 application*).ti,ab.
73. (interactiv* adj2 application*).ti,ab.
74. ((client\$1 or health or healthcare or patient\$1) adj2 (portal* or track*)).ti,ab.
75. Point-of-Care Systems/
76. (("point-of-care" or bedside*) adj2 (automat* or comput* or internet* or online or system* or technolog* or web-based or WWW)).ti,ab.
77. Reminder Systems/
78. (remind* or prompt*).ti,ab.
79. recall system*.ti,ab.
80. exp Educational technology/
81. ((educat* or instruct*) adj2 (aid or aids or computer-assist* or material* or medium* or media or resource* or technolog*)).ti,ab.
82. (smart adj2 technolog*).ti,ab.
83. exp Self Help Devices/
84. ((self-help or assisted or assistive) adj2 (device* or technolog*)).ti,ab.
85. exp Telemedicine/
86. (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.
87. or/52-86
88. Community Networks/
89. ((local or communit*) adj2 network*).ti,ab.
90. exp Decision Making/
91. (decision* adj1 (make or making)).ti,ab.
92. decisionmak*.ti,ab.
93. (behav* adj2 (choos* or choice*)).ti,ab.
94. ((informed or share or shared or sharing) adj2 (choice* or decision*)).ti,ab.
95. "continuity of patient care"/
96. ((continui* or continuum*) adj2 (care or healthcare)).ti,ab.
97. ((care or critical or healthcare) adj2 (map or maps or mapping or path or paths or pathway*)).ti,ab.
98. patient handoff/
99. ((patient* or clinical or nurs*) adj2 (handoff* or hand-off* or handover* or hand-over*)).ti,ab.
100. exp Counseling/
101. counsel*.ti,ab.
102. exp Delivery of Health Care, Integrated/
103. ((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.
104. exp Disease Management/

105. ((disease* or patient\$1) adj1 manag*).ti,ab.
106. exp Education, Continuing/
107. ((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.
108. Electronic Health Records/
109. (electronic adj (health or medical or patient\$1) adj record*).ti,ab.
110. (facilitated relay* or (patient\$1 adj1 mediat*)).ti,ab.
111. exp Health Education/
112. ((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.
113. exp Health Promotion/
114. ((health* or wellness) adj2 (ad or ads or advertisement* or campaign* or promot*)).ti,ab.
115. Patient Compliance/
116. Patient Participation/
117. (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.
118. exp Organizational Innovation/
119. ((organi?ation* or institution*) adj2 (chang* or innovat*)).ti,ab.
120. exp Patient Care Planning/
121. ((nursing or patient\$1) adj1 care adj2 (manag* or plan or plans or planning)).ti,ab.
122. exp Patient Care Team/
123. (((patient\$1 adj1 care) or health or healthcare) adj2 team\$1).ti,ab.
124. Patient-Centered Care/
125. ((patient-centered or patient-centred or patient-focused or patient-focussed) adj2 (care or healthcare or nursing)).ti,ab.
126. case management*.ti,ab.
127. Self Care/
128. Self Administration/
129. ((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.
130. Self Efficacy/
131. ((patient\$1 or personal* or self) adj efficac*).ti,ab.
132. exp Self-Help Groups/
133. ((self-help or support* or therapeutic*) adj2 (club* or group* or organi?ation*)).ti,ab.
134. Social Support/
135. ((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.
136. exp Quality Assurance, Health Care/
137. ((quality adj1 assur*) or (quality adj1 manag*) or (quality adj1 assess*)).ti,ab.
138. exp Quality Improvement/
139. ((quality or care or healthcare or health service*) adj2 improv*).ti,ab.
140. Total Quality Management/
141. ((total or continuous) adj quality management).ti,ab.
142. (audit* or feedback or feed back).ti,ab.
143. ((cash or money or financial) adj incentive*).ti,ab.

144. "plan-do-study-act".ti,ab.
145. Translational Medical Research/
146. ((knowledge or medicine or medical or research) adj2 (exchang* or mobili?ation* or transfer* or translation* or utili?ation*)).ti,ab.
147. or/88-146
148. Intervention Studies/
149. (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.
150. (is or mt or st).fs.
151. or/148-150
152. 147 and 151
153. 87 or 152
154. 51 and 153
155. 1 or 154
156. exp Aged/
157. Health Services for the Aged/
158. (elderly or geriatric* or gerontolog* or old-age\$1 or senior\$1).ti,ab.
159. (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.
160. or/156-159
161. 155 and 160
162. (controlled clinical trial or randomized controlled trial).pt.
163. clinical trials as topic.sh.
164. (randomi#ed or randomly or RCT\$1 or placebo*).tw.
165. ((singl* or doubl* or trebl* or tripl*) adj (mask* or blind* or dumm*)).tw.
166. trial.ti.
167. or/162-166
168. 161 and 167
169. Controlled Clinical Trial/
170. (control* adj2 trial*).tw.
171. (nonrandom* or non-random* or quasi-random* or quasi-experiment*).tw.
172. (nRCT or nRCTs or non-RCT\$1).tw.
173. (control* adj3 ("before and after" or "before after")).tw.
174. (time series adj3 interrupt*).tw.
175. (pre- adj3 post-).tw.
176. (pretest adj3 posttest).tw.
177. (control* adj2 stud\$3).tw.
178. Control Groups/
179. (control\$ adj2 group\$1).tw.
180. or/169-179
181. 161 and 180
182. (interview\$1 or experience\$1).mp.
183. qualitative.tw.
184. 182 or 183

185. 161 and 184
186. 168 or 181 or 185
187. exp Animals/ not (exp Animals/ and Humans/)
188. 186 not 187
189. (comment or editorial or letter or news).pt.
190. 188 not 189
191. limit 190 to yr="1990-current"
192. (chronic disease\$1 adj2 management tool\$1).ti,ab.
193. chronic disease/
194. ((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.
195. ((multi or multiple) adj2 (condition* or disabilit* or disease* or disorder* or ill or illness* or morbidit*)).ti,ab.
196. (multimorbid* or multi-morbid*).ti,ab.
197. ((complicated or complex) adj2 (health or healthcare or illness* or morbidit*)).ti,ab.
198. comorbidity/
199. (comorbid* or co-morbid*).ti,ab.
200. diabetes mellitus/
201. insulin dependent diabetes mellitus/
202. non insulin dependent diabetes mellitus/
203. diabet*.ti,ab.
204. (("type 1 of type I" or "type 2" or "type II" or ID or NID) adj DM).ti,ab.
205. (IDDM or NIDDM).ti,ab.
206. exp cerebrovascular accident/
207. stroke.ti,ab.
208. ((cerebrovascular or cerebro-vascular) adj (accident* or apoplex*)).ti,ab.
209. (vascular accident* adj2 brain).ti,ab.
210. ((brain or cerebral) adj2 (infarct* or isch?emi*)).ti,ab.
211. Alzheimer disease/
212. alzheimer*.ti,ab.
213. exp Dementia/
214. (dement* or ament* or pseudodement* or pseudo-dement*).ti,ab.
215. (senile or senility).ti,ab.
216. Binswanger*.ti,ab.
217. ((mental* or cognit*) adj2 (declin* or degenerat* or deteriorat* or loss* or losing or lost)).ti,ab.
218. ((encephalopath* or leukoencephalopath* or leuko-encephalopath*) adj2 (arteriosclerotic or arterio-sclerotic or chronic progressive or subcortical or sub-cortical)).ti,ab.
219. exp heart failure/
220. ((heart or cardia* or myocard* or myo-card*) adj2 (decompensat* or edema* or failure* or incompeten* or insuffici*)).ti,ab.
221. exp coronary artery disease/
222. coronary artery disease*.ti,ab.
223. (arterioscleros* or arterio-scleros* or atheroscleros* or athero-scleros*).ti,ab.
224. exp heart atrium fibrillation/
225. ((atria\$1 or atrium or auricular) adj fibrillat*).ti,ab.

226. chronic obstructive lung disease/
227. (chronic obstruct* adj (airflow or airway or lung or pulmonary)).ti,ab.
228. (chronic adj (airway or airflow or bronchitis or lung or pulmonary) adj obstruction*).ti,ab.
229. (emphysema* adj1 (centri-acinar or centri-lobular or focal or panacinar or pan-acinar or panlobular or pan-lobular or pulmonary)).ti,ab.
230. COPD.ti,ab.
231. exp hip fracture/
232. ((hip or hips or intertrochanteric or inter-trochanteric or subtrochanteric or sub-trochanteric or trochanteric) adj2 (fracture* or break* or broke*)).ti,ab.
233. ((femur neck* or femoral neck*) adj2 (fracture* or break* or broke*)).ti,ab.
234. osteoporosis/
235. senile osteoporosis/ or postmenopause osteoporosis/ or primary osteoporosis/
236. osteoporo*.ti,ab.
237. (bone loss* adj2 (aging or ageing or "age related" or postmenopaus* or postmenopaus*)).ti,ab.
238. exp urine incontinence/
239. ((urinary or urine or urge) adj2 incontinen*).ti,ab.
240. (involuntar* adj1 discharg* adj2 (urinary or urine)).ti,ab.
241. or/193-240
242. decision support system/
243. (decision* adj2 (aid or aids or aided or aiding or analys?s or computer-assisted or model* or support*)).ti,ab.
244. e-mail/
245. (email* or e-mail* or electronic mail*).ti,ab.
246. mobile phone/
247. ((cell or cellular or car or mobile or smart) adj (phone* or telephone*)).ti,ab.
248. (cellphone* or carphone* or smartphone*).ti,ab.
249. ((text or short) adj2 messag*).ti,ab.
250. texting.ti,ab.
251. internet/
252. (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.
253. ("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.
254. (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 Sliderocket or Skype or "Second Life" or Tumblr or Vimeo or WebMD or Wikipedia or WordPress or Twitter or UStream or Yammer).ti,ab.
255. (Moodle or PatientsLikeMe or YouTube).ti,ab.

256. mobile application/
257. ((mobile or portable) adj2 (app or apps or application*)).ti,ab.
258. (ipad or ipads or iphone* or itouch*).ti,ab.
259. medical informatics/
260. (informat* adj2 application*).ti,ab.
261. (interactiv* adj2 application*).ti,ab.
262. ((client\$1 or health or healthcare or patient\$1) adj2 (portal* or track*)).ti,ab.
263. (("point-of-care" or bedside*) adj2 (automat* or comput* or internet* or online or system* or technolog* or web-based or WWW)).ti,ab.
264. reminder system/
265. (remind* or prompt*).ti,ab.
266. recall system*.ti,ab.
267. educational technology/
268. ((educat* or instruct*) adj2 (aid or aids or computer-assist* or material* or medium* or media or resource* or technolog*)).ti,ab.
269. (smart adj2 technolog*).ti,ab.
270. self help device/
271. ((self-help or assisted or assistive) adj2 (device* or technolog*)).ti,ab.
272. exp telemedicine/
273. (telemedicine or tele-medicine or telehealth or tele-health 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.
274. or/242-273
275. ((local or communit*) adj2 network*).ti,ab.
276. exp decision making/
277. (decision* adj1 (make or making)).ti,ab.
278. decisionmak*.ti,ab.
279. (behav* adj2 (choos* or choice*)).ti,ab.
280. ((informed or share or shared or sharing) adj2 (choice* or decision*)).ti,ab.
281. ((continui* or continuum*) adj2 (care or healthcare)).ti,ab.
282. ((care or critical or healthcare) adj2 (map or maps or mapping or path or paths or pathway*)).ti,ab.
283. exp clinical handover/
284. ((patient* or clinical or nurs*) adj2 (handoff* or hand-off* or handover* or hand-over*)).ti,ab.
285. exp *counseling/
286. counsel*.ti,ab.
287. integrated health care system/
288. ((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.
289. ((continuing or provider* or professional* or clinician* or doctor* or nurs* or pharmac*) adj2 (CME or CPD or educat* or train* or retrain* or re-train* or workshop*)).ti,ab.
290. exp *disease management/
291. ((disease* or patient\$1) adj1 manag*).ti,ab.

292. continuing education/
293. ((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.
294. exp *electronic medical record/
295. (electronic adj (health or medical or patient\$1) adj record*).ti,ab.
296. (facilitated relay* or (patient\$1 adj1 mediat*)).ti,ab.
297. exp *health education/
298. ((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.
299. health promotion/
300. ((health* or wellness) adj2 (ad or ads or advertisement* or campaign* or promot*)).ti,ab.
301. exp *patient compliance/
302. patient participation/
303. (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.
304. ((organi?ation* or institution*) adj2 (chang* or innovat*)).ti,ab.
305. patient care planning/
306. ((nursing or patient\$1) adj1 care adj2 (manag* or plan or plans or planning)).ti,ab.
307. (((patient\$1 adj1 care) or health or healthcare) adj2 team\$1).ti,ab.
308. ((patient-centered or patient-centred or patient-focused or patient-focussed) adj2 (care or healthcare or nursing)).ti,ab.
309. case management/
310. case management*.ti,ab.
311. exp *self care/
312. drug self administration/
313. ((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.
314. ((patient\$1 or personal* or self) adj efficac*).ti,ab.
315. ((self-help or support* or therapeutic*) adj2 (club* or group* or organi?ation*)).ti,ab.
316. social support/
317. ((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.
318. health care quality/
319. ((quality adj1 assur*) or (quality adj1 manag*) or (quality adj1 assess*)).ti,ab.
320. total quality management/
321. ((total or continuous) adj quality management).ti,ab.
322. ((quality or care or healthcare or health service*) adj2 improv*).ti,ab.
323. (audit* or feedback or feed back).ti,ab.
324. ((cash or money or financial) adj incentive*).ti,ab.
325. "plan-do-study-act".ti,ab.
326. translational research/
327. ((knowledge or medicine or medical or research) adj2 (exchang* or mobili?ation* or transfer* or translation* or utili?ation*)).ti,ab.
328. or/275-327
329. checklist/

330. (approach* or aid or aids or checklist* or check list* or form or forms or device\$1 or innovation* or instrument* or kit or kits or mechanism* or project\$1 or program* or standard* or strateg* or tool\$1 or toolkit* or technique* or technic or technics).ti,ab.
331. 329 or 330
332. 328 and 331
333. 274 or 332
334. 241 and 333
335. 192 or 334
336. aged/
337. exp elderly care/
338. (elderly or geriatric* or gerontolog* or old-age\$1 or senior\$1).ti,ab.
339. (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.
340. or/336-339
341. 335 and 340
342. exp animal experimentation/ or exp models animal/ or exp animal experiment/ or nonhuman/ or exp vertebrate/
343. exp humans/ or exp human experimentation/ or exp human experiment/
344. 342 not 343
345. 341 not 344
346. (editorial or letter).pt.
347. 345 not 346
348. randomized controlled trial/ or controlled clinical trial/
349. exp "clinical trial (topic)"/
350. (randomi#ed or randomly or RCT\$1 or placebo*).tw.
351. ((singl* or doubl* or trebl* or tripl*) adj (mask* or blind* or dumm*)).tw.
352. trial.ti.
353. or/348-352
354. 347 and 353
355. exp controlled clinical trial/
356. exp "controlled clinical trial (topic)"/
357. (control* adj2 trial*).tw.
358. (nonrandom* or non-random* or quasi-random* or quasi-experiment*).tw.
359. (nRCT or nRCTs or non-RCT\$1).tw.
360. (control* adj3 ("before and after" or "before after")).tw.
361. time series analysis/
362. (time series adj3 interrupt*).tw.
363. pretest posttest control group design/
364. (pre- adj3 post-).tw.
365. (pretest adj3 posttest).tw.
366. controlled study/
367. (control* adj2 stud\$3).tw.
368. control group/
369. (control\$ adj2 group\$1).tw.
370. or/355-369
371. 347 and 370

- 372. (interview or interviews).tw.
- 373. exp health care organization/
- 374. experiences.tw.
- 375. or/372-374
- 376. 347 and 375
- 377. 354 or 371 or 376
- 378. limit 377 to yr="1990-current"
- 379. 191 use prem
- 380. 191 use mesz
- 381. 378 use emez
- 382. 379 or 380 or 381
- 383. limit 382 to yr="2015-current"

Arthritis and Depression Additional Search – as per update July 21, 2016

- 1. Arthritis/
- 2. exp Arthritis, Rheumatoid/
- 3. exp Osteoarthritis/
- 4. Periarthritis/
- 5. Spondylarthritis/
- 6. (arthriti* or osteoarthritis* or osteo arthriti* or osteoarthritis or osteo arthrosis or periarthritis* or peri arthriti* or polyarthriti* or poly arthriti* or spondylarthriti* or spondyl arthriti*).ti,ab.
- 7. ((Caplan* or Felty* or Sicca or Sjogren*) adj syndrome*).ti,ab.
- 8. (rheumatoid adj (nodulos* or vasculit*)).ti,ab.
- 9. ("adult onset" adj1 (still* adj disease)).ti,ab.
- 10. Depression/
- 11. exp Depressive Disorder/
- 12. (depress* or melanchol*).ti,ab.
- 13. dysthymic disorder*.ti,ab.
- 14. (("seasonal affective" or "seasonal mood") adj disorder*).ti,ab.
- 15. (involutional adj (psychos* or paraphreni*)).ti,ab.
- 16. or/1-15
- 17. Decision Support Systems, Clinical/
- 18. exp Decision Support Techniques/
- 19. exp Decision Making, Computer-Assisted/
- 20. (decision* adj2 (aid or aids or aided or aiding or analys?s or computer-assisted or model* or support*)).ti,ab.
- 21. Electronic Mail/
- 22. (email* or e-mail* or electronic mail*).ti,ab.
- 23. exp Cell Phones/
- 24. ((cell or cellular or car or mobile or smart) adj (phone* or telephone*)).ti,ab.
- 25. (cellphone* or carphone* or smartphone*).ti,ab.
- 26. ((text or short) adj2 messag*).ti,ab.
- 27. texting.ti,ab.
- 28. exp Internet/
- 29. (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.
30. ("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.
31. (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.
32. (Moodle or PatientsLikeMe or YouTube).ti,ab.
33. Mobile Applications/
34. ((mobile or portable) adj2 (app or apps or application*)).ti,ab.
35. (ipad or ipads or iphone* or itouch*).ti,ab.
36. Medical Informatics Applications/
37. (informat* adj2 application*).ti,ab.
38. (interactiv* adj2 application*).ti,ab.
39. ((client\$1 or health or healthcare or patient\$1) adj2 (portal* or track*)).ti,ab.
40. Point-of-Care Systems/
41. (("point-of-care" or bedside*) adj2 (automat* or comput* or internet* or online or system* or technolog* or web-based or WWW)).ti,ab.
42. Reminder Systems/
43. (remind* or prompt*).ti,ab.
44. recall system*.ti,ab.
45. exp Educational technology/
46. ((educat* or instruct*) adj2 (aid or aids or computer-assist* or material* or medium* or media or resource* or technolog*)).ti,ab.
47. (smart adj2 technolog*).ti,ab.
48. exp Self Help Devices/
49. ((self-help or assisted or assistive) adj2 (device* or technolog*)).ti,ab.
50. exp Telemedicine/
51. (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.
52. or/17-51
53. Community Networks/
54. ((local or communit*) adj2 network*).ti,ab.
55. exp Decision Making/
56. (decision* adj1 (make or making)).ti,ab.
57. decisionmak*.ti,ab.
58. (behav* adj2 (choos* or choice*)).ti,ab.
59. ((informed or share or shared or sharing) adj2 (choice* or decision*)).ti,ab.
60. "continuity of patient care"/

61. ((continui* or continuum*) adj2 (care or healthcare)).ti,ab.
62. ((care or critical or healthcare) adj2 (map or maps or mapping or path or paths or pathway*)).ti,ab.
63. patient handoff/
64. ((patient* or clinical or nurs*) adj2 (handoff* or hand-off* or handover* or hand-over*)).ti,ab.
65. exp Counseling/
66. counsel*.ti,ab.
67. exp Delivery of Health Care, Integrated/
68. ((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.
69. exp Disease Management/
70. ((disease* or patient\$1) adj1 manag*).ti,ab.
71. exp Education, Continuing/
72. ((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.
73. Electronic Health Records/
74. (electronic adj (health or medical or patient\$1) adj record*).ti,ab.
75. (facilitated relay* or (patient\$1 adj1 mediat*)).ti,ab.
76. exp Health Education/
77. ((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.
78. exp Health Promotion/
79. ((health* or wellness) adj2 (ad or ads or advertisement* or campaign* or promot*)).ti,ab.
80. Patient Compliance/
81. Patient Participation/
82. (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.
83. exp Organizational Innovation/
84. ((organi?ation* or institution*) adj2 (chang* or innovat*)).ti,ab.
85. exp Patient Care Planning/
86. ((nursing or patient\$1) adj1 care adj2 (manag* or plan or plans or planning)).ti,ab.
87. exp Patient Care Team/
88. (((patient\$1 adj1 care) or health or healthcare) adj2 team\$1).ti,ab.
89. Patient-Centered Care/
90. ((patient-centered or patient-centred or patient-focused or patient-focussed) adj2 (care or healthcare or nursing)).ti,ab.
91. case management*.ti,ab.
92. Self Care/
93. Self Administration/
94. ((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.
95. Self Efficacy/

96. ((patient\$1 or personal* or self) adj efficac*).ti,ab.
97. exp Self-Help Groups/
98. ((self-help or support* or therapeutic*) adj2 (club* or group* or organi?ation*)).ti,ab.
99. Social Support/
100. ((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.
101. exp Quality Assurance, Health Care/
102. ((quality adj1 assur*) or (quality adj1 manag*) or (quality adj1 assess*)).ti,ab.
103. exp Quality Improvement/
104. ((quality or care or healthcare or health service*) adj2 improv*).ti,ab.
105. Total Quality Management/
106. ((total or continuous) adj quality management).ti,ab.
107. (audit* or feedback or feed back).ti,ab.
108. ((cash or money or financial) adj incentive*).ti,ab.
109. "plan-do-study-act".ti,ab.
110. Translational Medical Research/
111. ((knowledge or medicine or medical or research) adj2 (exchang* or mobili?ation* or transfer* or translation* or utili?ation*)).ti,ab.
112. or/53-111
113. Intervention Studies/
114. (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.
115. (is or mt or st).fs.
116. or/113-115
117. 112 and 116
118. 52 or 117
119. 16 and 118
120. exp Aged/
121. Health Services for the Aged/
122. (elderly or geriatric* or gerontolog* or old-age\$1 or senior\$1).ti,ab.
123. (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.
124. or/120-123
125. 119 and 124
126. (controlled clinical trial or randomized controlled trial).pt.
127. clinical trials as topic.sh.
128. (randomi#ed or randomly or RCT\$1 or placebo*).tw.
129. ((singl* or doubl* or trebl* or tripl*) adj (mask* or blind* or dumm*)).tw.
130. trial.ti.
131. or/126-130
132. 125 and 131
133. Controlled Clinical Trial/
134. (control* adj2 trial*).tw.
135. (nonrandom* or non-random* or quasi-random* or quasi-experiment*).tw.

136. (nRCT or nRCTs or non-RCT\$1).tw.
137. Controlled Before-After Studies/
138. (control* adj3 ("before and after" or "before after")).tw.
139. Interrupted Time Series Analysis/
140. (time series adj3 interrupt*).tw.
141. (pre- adj3 post-).tw.
142. (pretest adj3 posttest).tw.
143. Historically Controlled Study/
144. (control* adj2 stud\$3).tw.
145. Control Groups/
146. (control\$ adj2 group\$1).tw.
147. or/133-146
148. 125 and 147
149. (interview\$1 or experience\$1).mp.
150. qualitative.tw.
151. 149 or 150
152. 125 and 151
153. 132 or 148 or 152
154. exp Animals/ not (exp Animals/ and Humans/)
155. 153 not 154
156. (comment or editorial or letter or news).pt.
157. 155 not 156
158. limit 157 to yr="2015-current"
159. 158 use mesz,prem
160. arthritis/
161. chronic arthritis/
162. exp osteoarthritis/
163. exp rheumatoid arthritis/
164. periartthritis/ or humeroscapular periartthritis/
165. spondylarthritits/
166. (arthriti* or osteoarthriti* or osteo arthriti* or osteoarthrosis or osteo arthrosis or periartthriti* or peri arthriti* or polyarthriti* or poly arthriti* or spondylarthriti* or spondyl arthriti*).ti,ab.
167. ((Caplan* or Felty* or Sicca or Sjogren*) adj syndrome*).ti,ab.
168. (rheumatoid adj (nodulos* or vasculit*)).ti,ab.
169. ("adult onset" adj1 (still* adj disease)).ti,ab.
170. exp depression/
171. (depress* or melanchol*).ti,ab.
172. dysthymic disorder*.ti,ab.
173. (("seasonal affective" or "seasonal mood") adj disorder*).ti,ab.
174. (involutional adj (psychos* or paraphreni*)).ti,ab.
175. or/160-174
176. decision support system/
177. (decision* adj2 (aid or aids or aided or aiding or analys?s or computer-assisted or model* or support*)).ti,ab.
178. e-mail/

179. (email* or e-mail* or electronic mail*).ti,ab.
180. mobile phone/
181. ((cell or cellular or car or mobile or smart) adj (phone* or telephone*)).ti,ab.
182. (cellphone* or carphone* or smartphone*).ti,ab.
183. ((text or short) adj2 messag*).ti,ab.
184. texting.ti,ab.
185. internet/
186. (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.
187. ("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.
188. (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 Sliderocket or Skype or "Second Life" or Tumblr or Vimeo or WebMD or Wikipedia or WordPress or Twitter or UStream or Yammer).ti,ab.
189. (Moodle or PatientsLikeMe or YouTube).ti,ab.
190. mobile application/
191. ((mobile or portable) adj2 (app or apps or application*)).ti,ab.
192. (ipad or ipads or iphone* or itouch*).ti,ab.
193. medical informatics/
194. (informat* adj2 application*).ti,ab.
195. (interactiv* adj2 application*).ti,ab.
196. ((client\$1 or health or healthcare or patient\$1) adj2 (portal* or track*)).ti,ab.
197. (("point-of-care" or bedside*) adj2 (automat* or comput* or internet* or online or system* or technolog* or web-based or WWW)).ti,ab.
198. reminder system/
199. (remind* or prompt*).ti,ab.
200. recall system*.ti,ab.
201. educational technology/
202. ((educat* or instruct*) adj2 (aid or aids or computer-assist* or material* or medium* or media or resource* or technolog*)).ti,ab.
203. (smart adj2 technolog*).ti,ab.
204. self help device/
205. ((self-help or assisted or assistive) adj2 (device* or technolog*)).ti,ab.
206. exp telemedicine/
207. (telemedicine or tele-medicine or telehealth or tele-health 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.
208. or/176-207

209. ((local or communit*) adj2 network*).ti,ab.
210. exp decision making/
211. (decision* adj1 (make or making)).ti,ab.
212. decisionmak*.ti,ab.
213. (behav* adj2 (choos* or choice*)).ti,ab.
214. ((informed or share or shared or sharing) adj2 (choice* or decision*)).ti,ab.
215. ((continui* or continuum*) adj2 (care or healthcare)).ti,ab.
216. ((care or critical or healthcare) adj2 (map or maps or mapping or path or paths or pathway*)).ti,ab.
217. exp clinical handover/
218. ((patient* or clinical or nurs*) adj2 (handoff* or hand-off* or handover* or hand-over*)).ti,ab.
219. exp *counseling/
220. counsel*.ti,ab.
221. integrated health care system/
222. ((care or health care or healthcare or health service*) adj2 (collaborat* or comanag* or comanag* 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.
223. ((continuing or provider* or professional* or clinician* or doctor* or nurs* or pharmac*) adj2 (CME or CPD or educat* or train* or retrain* or re-train* or workshop*)).ti,ab.
224. exp *disease management/
225. ((disease* or patient\$1) adj1 manag*).ti,ab.
226. continuing education/
227. ((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.
228. exp *electronic medical record/
229. (electronic adj (health or medical or patient\$1) adj record*).ti,ab.
230. (facilitated relay* or (patient\$1 adj1 mediat*)).ti,ab.
231. exp *health education/
232. ((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.
233. health promotion/
234. ((health* or wellness) adj2 (ad or ads or advertisement* or campaign* or promot*)).ti,ab.
235. exp *patient compliance/
236. patient participation/
237. (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.
238. ((organi?ation* or institution*) adj2 (chang* or innovat*)).ti,ab.
239. patient care planning/
240. ((nursing or patient\$1) adj1 care adj2 (manag* or plan or plans or planning)).ti,ab.
241. (((patient\$1 adj1 care) or health or healthcare) adj2 team\$1).ti,ab.
242. ((patient-centered or patient-centred or patient-focused or patient-focussed) adj2 (care or healthcare or nursing)).ti,ab.
243. case management/

244. case management*.ti,ab.
245. exp *self care/
246. drug self administration/
247. ((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.
248. ((patient\$1 or personal* or self) adj efficac*).ti,ab.
249. ((self-help or support* or therapeutic*) adj2 (club* or group* or organi?ation*)).ti,ab.
250. social support/
251. ((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.
252. health care quality/
253. ((quality adj1 assur*) or (quality adj1 manag*) or (quality adj1 assess*)).ti,ab.
254. total quality management/
255. ((total or continuous) adj quality management).ti,ab.
256. ((quality or care or healthcare or health service*) adj2 improv*).ti,ab.
257. (audit* or feedback or feed back).ti,ab.
258. ((cash or money or financial) adj incentive*).ti,ab.
259. "plan-do-study-act".ti,ab.
260. translational research/
261. ((knowledge or medicine or medical or research) adj2 (exchang* or mobili?ation* or transfer* or translation* or utili?ation*)).ti,ab.
262. or/209-261
263. checklist/
264. (approach* or aid or aids or checklist* or check list* or form or forms or device\$1 or innovation* or instrument* or kit or kits or mechanism* or project\$1 or program* or standard* or strateg* or tool\$1 or toolkit* or technique* or technic or technics).ti,ab.
265. 263 or 264
266. 262 and 265
267. 208 or 266
268. 175 and 267
269. aged/
270. exp elderly care/
271. (elderly or geriatric* or gerontolog* or old-age\$1 or senior\$1).ti,ab.
272. (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.
273. or/269-272
274. 268 and 273
275. exp animal experimentation/ or exp models animal/ or exp animal experiment/ or nonhuman/ or exp vertebrate/
276. exp humans/ or exp human experimentation/ or exp human experiment/
277. 275 not 276
278. 274 not 277
279. (editorial or letter).pt.
280. 278 not 279
281. randomized controlled trial/ or controlled clinical trial/
282. exp "clinical trial (topic)"/

283. (randomi#ed or randomly or RCT\$1 or placebo*).tw.
284. ((singl* or doubl* or trebl* or tripl*) adj (mask* or blind* or dumm*)).tw.
285. trial.ti.
286. or/281-285
287. 280 and 286
288. exp controlled clinical trial/
289. exp "controlled clinical trial (topic)"/
290. (control* adj2 trial*).tw.
291. (nonrandom* or non-random* or quasi-random* or quasi-experiment*).tw.
292. (nRCT or nRCTs or non-RCT\$1).tw.
293. (control* adj3 ("before and after" or "before after")).tw.
294. time series analysis/
295. (time series adj3 interrupt*).tw.
296. pretest posttest control group design/
297. (pre- adj3 post-).tw.
298. (pretest adj3 posttest).tw.
299. controlled study/
300. (control* adj2 stud\$3).tw.
301. control group/
302. (control\$ adj2 group\$1).tw.
303. or/288-302
304. 280 and 303
305. (interview or interviews).tw.
306. exp health care organization/
307. experiences.tw.
308. or/305-307
309. 280 and 308
310. 287 or 304 or 309
311. limit 310 to yr="2015-current"
312. 311 use emez
313. 159 or 312

