

Appendix 1. Detailed search strategy

Medline search 22.12.2017

1. Patient Compliance/ or Medication Adherence/	73 882
2. (adheren* or non-adheren* or nonadheren*).m_titl.	32 480
3. (complan* or noncomplan* or non-complan*).m_titl.	21 383
4. 1 or 2 or 3	105 438
5. drug therapy.mp. or exp Drug Therapy/ or drug therapy.fs.	2 938 762
6. exp Drug Prescriptions/ or drug prescription*.mp.	33 975
7. (medication* or medicine* or prescri*).m_titl.	249 827
8. 5 or 6 or 7	3 127 679
9. exp Patient Education as Topic/ or patient education*.mp. or exp Health Education/ or health education*.mp.	192 464
10. Behavior Therapy/ or Cognitive Therapy/ or Motivation/ or Achievement/ or "Conflict (Psychology)"/ or Goals/ or "Handling (Psychology)"/ or Instinct/ or Intention/ or "Power (Psychology)"/	177 498
11. Counseling/ or Directive Counseling/ or Distance Counseling/	37 372
12. Attitude to Health/ or Health Knowledge, Attitudes, Practice/	180 383
13. (self care or self-manag*).mp. or exp Self Care/	70 422
14. (motivation* or empower* or particip* or concord* or agreement* or counsel* or intervention* or improv* or behavior therap* or cognitive therap* or attitude to health or health knowledge or enhanc* or guid* or promot*).m_titl.	1 012 348
15. Nurses/ or Pharmacists/ or Physicians/	130994
16. Nursing Care/ or Nursing Services/ or Pharmaceutical Services/	41 087
17. (pharmacist* or nurs* or physician* or specialist* or surgeon* or practitioner* or doctor* or manager*).m_titl.	431 743
18. 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17	1 949 892
19. 4 and 8 and 18	13 383
20. exp Mortality/ or mortali*.mp. or mortality.fs.	1 192 781
21. exp Death/ or death*.mp.	907 875
22. exp Survival/ or surviv*.mp.	1 331 401
23. 20 or 21 or 22	2 606 808
24. exp Morbidity/ or morbidit*.mp.	849 550
25. (symptom* or condition* or illness* or disease* or disorder* or sickness*).m_titl.	1 711 386
26. 24 or 25	2 451 211
27. General Practice/ or Family Practice/ or general practice.mp. or family practice.mp. or primary health care.mp. or exp Primary Health Care/	2 451 211
28. exp Patient Admission/ or patient admission*.mp. or hospital admission*.mp. or physician visit*.mp. or clinic visit*.mp. or emergency visit*.mp.	67 746
29. exp Patient Readmission/ or patient readmission*.mp. or hospital readmission*.mp. or hospital re-admission*.mp.	16 558
30. exp Hospitalization/ or hospitalization*.mp. or hospitalisation.mp.	313 611
31. (utilization* or utilisation* or utilize* or utilise* or admission* or readmission* or admitted or readmitted or re-admission* or re-admitted or hospitalisation* or hospitalize* or hospitalise* or physician visit* or clinic visit* or emergency visit*).m_titl.	105 005
32. 27 or 28 or 29 or 30 or 31	606 197
33. hospital costs.mp. or exp Hospital Costs/ or exp Financial Management, Hospital/ or financial*.mp.	117 572
34. exp Health Care Costs/ or health care costs.mp. or care cost*.mp. or treatment cost*.mp. or cost-utility.mp. or exp "Cost of Illness"/ or cost* of illness.mp.	102 970
35. economic*.mp. or exp Economics/ or economic*.mp. or exp Economics/	769 272
36. exp Drug Costs/ or drug cost*.mp.	18 192
37. cost-benefit analysis.mp. or exp Cost-Benefit Analysis/ or cost benefit calculations.mp. or assessment of cost benefit.mp. or cost-effectiveness*.mp.	106 668
38. (cost* or amount* or outlay* or payment* or price* or expense* or spending* or value* or treatment cost* or cost-utility).m_titl.	297 891
39. 33 or 34 or 35 or 36 or 37 or 38	1 041 365
40. exp Patient Satisfaction/ or patient satisfaction*.mp.	100 473
41. quality of life.mp. or exp "Quality of Life"/ or QoL.m_titl. or HRQoL.m_titl.	309 397
42. (satisfaction* or dissatisfaction* or expectation* or opinion* or well-being* or wellbeing* or satisfied* or preference* or humanistic).m_titl.	88 698
43. 40 or 41 or 42	461 387
44. 23 or 26 or 32 or 39 or 43	6 040 776
45. 19 and 44	5955
46. limit 45 to (english and systematic reviews and last 10 years)	330

EMBASE search 24.12.2017

1. patient compliance/ or medication adherence/	130 434
2. (adheren* or non-adheren* or nonadheren*).m_titl.	42 246
3. (complan* or non-complan* or noncomplan*).m_titl.	28 045
4. 1 or 2 or 3	172 333
5. drug therapy.mp. or exp drug therapy/	4 903 541
6. exp prescription/ or drug prescription*.mp.	162 066
7. (medication* or medicine* or prescri*).m_titl.	298 678
8. 5 or 6 or 7	5 163 441
9. exp patient education/ or patient education*.mp. or exp health education/ or health education*.mp.	308 832
10. exp behavior therapy/ or exp cognitive therapy/ or exp achievement/ or exp motivation/	393 693
11. counseling/ or directive counseling/ or e-counseling/ or motivational interviewing/ or patient counseling/ or patient guidance/	101 625
12. exp attitude to health/ or attitude/ or health behavior/ or knowledge/	235 903
13. exp self care/ or self-manag*.mp.	75614
14. (motivation* or empower* or particip* or concord* or agreement* or counsel* or intervention* or improv* or behavior therap* or cognitive therap* or attitude to health or health knowledge or enhanc* or guid* or promot*).m_titl.	1 180 458
15. exp nurse/ or exp pharmacist/ or exp physician/	781 766
16. exp nursing care/ or exp nursing/ or exp pharmaceutical care/	388 118
17. (pharmacist* or nurs* or physician* or specialist* or surgeon* or practitioner* or doctor* or manager*).m_titl.	446 156
18. 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17	3 081 094
19. 4 and 8 and 18	29 533
20. exp Mortality/ or mortali*.mp.	1 254 937
21. death*.mp. or exp death/	1 325 866
22. exp survival/ or surviv*.mp.	1 666 850
23. 20 or 21 or 22	3 409 511
24. exp morbidity/ or morbidit*.mp.	584 388
25. (symptom* or condition* or illness* or disease* or disorder* or sickness*).m_titl.	1 942 899
26. 24 or 25	2 464 138
27. general practice.mp. or general practice/ or family practice.mp. or general practice/ or primary health care.mp. or exp primary health care/	232 929
28. (patient admission* or hospital admission* or physician visit* or clinic visit* or emergency visit*).mp.	199 169
29. exp hospital readmission/ or hospital readmission*.mp. or hospital re-admission*.mp. or patient readmission*.mp.	45 044
30. exp hospitalization/ or hospitalization*.mp. or hospitalisation.mp.	392 400
31. (utilization* or utilisation* or utilize* or utilise* or admission* or readmission* or admitted or readmitted or re-admission* or re-admitted or hospitalisation* or hospitalize* or hospitalise* or physician visit* or clinic visit* or emergency visit*).m_titl.	133 660
32. 27 or 28 or 29 or 30 or 31	880 393
33. exp "hospitalization cost"/ or hospitalisation cost*.mp. or exp "hospital cost"/ or hospital cost*.mp. or exp hospital finance/ or financial management/ or financial*.mp.	227 814
34. exp "health care cost"/ or health care cost*.mp. or care cost*.mp. or treatment cost*.mp. or cost-utilit*.mp. or exp "cost of illness"/ or cost* of illness.mp.	291 853
35. exp economic aspect/ or economic*.mp. or health expenditures.mp. or financial management/ or financial*.mp.	1 672 194
36. exp "drug cost"/ or drug cost*.mp.	72 155
37. (cost* or amount* or outlay* or payment* or price* or expense* or spending* or value* or treatment cost* or cost-utility).m_titl.	341 671
38. 33 or 34 or 35 or 36 or 37	1 876 097
39. exp patient satisfaction/ or patient satisfaction*.mp.	125 340
40. quality of life.mp. or exp "quality of life"/ or QoL.m_titl. or HRQoL.m_titl.	487 670
41. (satisfaction* or dissatisfaction* or expectation* or opinion* or well-being* or wellbeing* or satisfied* or preference* or humanistic).m_titl.	99 903
42. 39 or 40 or 41	669 862
43. 23 or 26 or 32 or 38 or 42	7 582 116
44. 19 and 43	16 870
45. limit 44 to ("systematic review" and english and last 10 years)	505

CINAHL search 25.12.2017

S1	(MH "Patient Compliance+") OR "patient compliance" OR (MH "Medication Compliance") OR "medication adherence"	40 935
S2	TI adheren* OR non-adheren* OR nonadheren*	13 049
S3	TI complian* OR non-complan* OR noncomplan*	9932
S4	S1 OR S2 OR S3	51 264

S5	(MH "Drug Therapy+") OR "drug therapy"	476 844
S6	(MH "Prescriptions, Drug") OR "drug prescription*"	8751
S7	TI medication* OR medicine* OR prescri*	99907
S8	S5 OR S6 OR S7	549 567
S9	(MH "Patient Education+") OR (MH "Patient Discharge Education") OR "patient education*" OR (MH "Health Education+") OR "health education*" OR (MH "Health Knowledge") OR (MH "Health Information Management")	137 194
S10	(MH "Behavior Therapy+") OR (MH "Cognitive Therapy+") OR (MH "Motivation+") OR (MH "Achievement+") OR (MH "Goals and Objectives+")	124 513
S11	(MH "Counseling+") OR "Counselling" OR (MH "Motivational Interviewing") OR "motivational interview*"	36 779
S12	(MH "Attitude to Health+") OR (MH "Attitude to Medical Treatment")	122 140
S13	(MH "Self Care+") OR "self-car*"	46 584
S14	TI self-manag* OR achieve* OR goal* OR motivation* OR empower* OR particip* or concord* OR agreement* OR counsel* OR intervention* OR improv* OR behavior therap* OR cognitive therap* OR attitude to health OR health knowledge OR enhanc* OR guid* OR promot*	356 537
S15	S9 OR S10 OR S11 OR S12 OR S13 OR S14	694 541
S16	(MH "Pharmacists") OR (MH "Nurses+") OR (MH "Physicians+")	273 177
S17	(MH "Nursing Practice+") OR "nursing practice" OR (MH "Practical Nurses") OR "pharmaceutical service*" OR "clinical pharmacist*"	74 832
S18	TI pharmacist* or nurs* or physician* or specialist* or surgeon* or practitioner* or doctor* or manager*	382 478
S19	S16 OR S17 OR S18	567 554
S20	(MH "Mortality+") OR "mortalit*"	215 849
S21	(MH "Death+") OR "death*"	158 368
S22	(MH "Survival") OR "surviv*"	175 475
S23	S20 OR S21 OR S22	429 448
S24	(MH "Morbidity+") OR "morbidity*"	176 510
S25	TI symptom* or condition* or illness* or disease* or disorder* or sickness*	341 059
S26	S24 OR S25	493 510
S27	(MH "Family Practice") OR "general practice" OR (MH "Primary Health Care") OR "primary health care"	74 556
S28	(MH "Patient Admission") OR "patient admission*" OR "hospital admission*" OR "physician visit*" OR "clinic visit*" OR "emergency visit*"	25 855
S29	(MH "Readmission") OR "patient readmission*" OR "hospital readmission*" OR "hospital re-admission*"	9813
S30	(MH "Hospitalization") OR "hospitalization*" OR "hospitalisation*"	53 515
S31	TI utilization* OR utilisation* OR utilize* OR utilise* OR admission* OR readmission* OR admitted OR readmitted OR re-admission* OR re-admitted OR hospitalisation* OR hospitalize* OR hospitalise* physician visit* OR clinic visit* OR emergency visit*	37 664
S32	S27 OR S28 OR S29 OR S30 OR S31	175 875
S33	(MH "Health Facility Costs") OR "hospital cost*"	5135
S34	(MH "Health Care Costs+") OR "health care costs" OR "health expenditures" OR "care cost*" OR "cost-utilit*" OR (MH "Economic Aspects of Illness") OR "cost* of illness"	53 795
S35	(MH "Economics+") OR "economic*" OR "financial*" OR (MH "Financial Management+") OR "financial management"	765 937
S36	"drug cost*"	1200
S37	(MH "Cost Benefit Analysis") OR "cost-benefit analysis" OR "cost benefit calculations" OR "assessment of cost benefit*" OR "cost-effectiveness"	33 781
S38	TI cost* or amount* or outlay* or payment* or price* or expense* or spending* or value* OR treatment cost* OR cost-utilit*	86 747
S39	S33 OR S34 OR S35 OR S36 OR S37 OR S38	810 454
S40	(MH "Patient Satisfaction") OR "patient satisfaction"	47 254
S41	(MH "Quality of Life+") OR "quality of life" OR TI QoL OR TI HRQoL	134 604
S42	TI satisfaction* OR dissatisfaction* OR expectation* OR opinion* OR well-being* OR wellbeing* OR satisfied* OR preference* OR humanistic	47 184
S43	S40 OR S41 OR S42	211 477
S44	S4 AND S8 AND S15 AND S19	1680
S45	S23 OR S26 OR S32 OR S39 OR S43	1 727 629
S46	S44 AND S45	898
S47	S44 AND S45 Limiters - Published Date: 20071101-20171231; Language: English; Publication Type: Systematic Review	19