

## Search Strategies *Rx for Change*:

### Professional, Organisational and Consumer Interventions

Strategies to identify reviews about changing the practices of health care professionals (such as improved prescribing) or interventions to improve consumer use of prescription medications are difficult to design. Typically, these interventions are neither well nor consistently indexed—either in free-text or controlled vocabularies such as the National Library of Medicine’s Medical Subject Heading (MeSH) system. Consequently, search strategies to identify these interventions require an approach which incorporates many--and conceptually diverse, terms. Knowledge of these interventions is the speciality of the Cochrane Effective Practice & Organisation of Care (EPOC) Review Group, which is responsible for the content of and methodologies employed in the development of the professional and organisational component of *Rx for Change* and the Cochrane Consumers and Communication Review Group, responsible for the consumer component.

The search strategy below illustrates this expansive approach and has been used to identify reviews of “professional” interventions for *Rx for Change* since its inception. On the other hand, until 2014, the “consumer” segment of *Rx for Change*, has relied on manual screening of the Cochrane Database of Systematic Reviews and the Database of Abstracts of Reviews of Effects (DARE) to identify reviews meeting its criteria. As of 2014, however, we decided to screen the results of the “professional” search strategy to see if it identified consumer focussed reviews and we discovered it works quite well. Thus, for the April 2014 update of *Rx for Change*, we have identified new content using this strategy.

Questions regarding these search strategies may be directed to Michelle Fiander ([mfiander@ohri.ca](mailto:mfiander@ohri.ca)), Information Specialist, at the [Cochrane Effective Practice and Organisation of Care \(EPOC\) Review Group](#).

Please acknowledge the *Rx for Change* database ([www.rxforchange.ca](http://www.rxforchange.ca)) and the EPOC Group ([www.epoc.cochrane.org](http://www.epoc.cochrane.org)) if using part or all of the search strategy shown below.

### Databases

[Medline](#) (R) & In-process Citations (OVID)

[EMBASE](#) 1980- (OVID)

[Cochrane Database of Systematic Reviews](#) [CDSR ](OVID)

[Database of Abstracts of Reviews of Effectiveness](#) [DARE] (OVID)

[CINAHL](#) (Cumulative Index to Nursing and Allied Health Literature), 1980-2013(EbscoHost).

Note: *As of Dec 2013, we suspended our use of CINAHL due to ongoing difficulties in exporting large results sets from the database.*

## Medline [OVID] 4.4

1. (intervention? adj3 (clinic? or clinician? or collaborat\$ or community or complex or education\$ or effect\$ or financial or hospital? or impact? or improv\$ or individuali?e? or individuali?ing or inpatient? or interdisciplin\$ or multi-component or multi-disciplin\$ or multidisciplin\$ or multifacet\$ or multi-facet\$ or nurse? or nursing or organi?ation\$ or out-patient? or personali?e? or personali?ing or pharmacist? or pharmacy or pharmacies or physician? or practitioner? or prescrib\$ or prescription? or professional\$ or provider? or regulatory or structured or tailor\$ or target\$ or team\$)).ti.
2. (intervention? adj3 (clinician? or collaborat\$ or community or complex or doctor? or educational or financial or hospital? or impact? or individuali?e? or individuali?ing or interdisciplin\$ or multi-component or multi-disciplin\$ or multidisciplin\$ or multifacet\$ or multi-facet\$ or organi?ation\$ or personali?e? or personali?ing or pharmacist? or pharmacy or pharmacies or physician? or practitioner? or prescrib\$ or prescription? or professional\$ or provider? or regulatory or structured or tailor\$ or target\$ or team\$)).ab.
3. (integrating or integration).ti.
4. (Medical Order Entry Systems/ or hospital records/ or medical records/ or health records, personal/ or medical record linkage/ or medical records, problem-oriented/ or medical records systems, computerized/ or electronic health records/ or \*nursing records/) and (intervention? or improv\$ or effectiv\$ or "patient care" or quality or implement\$).ti.
5. ((computeri\$ or doctor? or medical or nurse? or nursing or physician? or practitioner? or provider or medication or pharmacist? or pharmacy or prescription? or prescrib\$) adj2 (order adj2 (system? or entry))).ti,ab.
6. ((evidence or evidence-based) adj4 intervention? or evidence-driven).ti,ab.
7. "practice-based".ti,ab.
8. "delivery of health care"/
9. ((effectiv\$ or improv\$) adj3 (adheren\$ or care or clinician? or decision\$ or doctor? or implement\$ or health care or healthcare or initiative? or inpatient? or management or multifacet\$ or multi-facet\$ or multi-component or nurse? or out-patient? or patient-led or patient-based or pharmacy or pharmacies or pharmacist? or physician? or population health or practi?e? or practitioner? or prescrib\$ or prescription? or preventiv\$ or preventativ\$ or professional? or program? or programme? or provider? or public health or unit or units or ward or wards)).ti.
10. ((effectiv\$ or improv\$) adj2 (care unit? or critical care or patient-care or decision\$ or doctor? or family practice or implement\$ or health care or healthcare or intensive care or initiative? or management or general practi?e? or practitioner? or provider? or (primary care or primary medical care or primary health care or primary patient care) or hospital unit or hospital units or ward or wards)).ab.
11. recommended practice?.ti,ab.
12. ((information or evidence) adj2 uptake).ti,ab.
13. ((knowledge adj2 (application or broke\$ or creation or diffus\$ or disseminat\$ or exchang\$ or implement\$ or management or mobili\$ or translat\$ or transfer\$ or uptake or utili\$)) or (evidence\$ adj2 (exchang\$ or translat\$ or transfer\$))).ti,ab.
14. (KT adj2 (application or broke\$ or diffus\$ or disseminat\$ or decision\$ or exchang\$ or implement\$ or intervent\$ or mobili\$ or plan\$ or policy or policies or strateg\$ or translat\$ or transfer\$ or uptake or utili\$)).ti,ab.
15. ((utili?e? or utili?ing or implement\$) adj2 (research or evidence)).ti,ab.
16. ((evidence or intervention?) adj3 effectiveness).ti,ab.
17. ((research or evidence) adj2 action).ti,ab.
18. ((evaluat\$ or facilitiat\$ or impact or incorporat\$ or policy or practice or translat\$) adj2 evidence).ti,ab.
19. (health policy or policy maker? or decision maker? or (policy adj3 evidence)).ti,ab.
20. ((computer-tailored or individuali?ing or individuali?ed or personali?e? or personali?ing or tailor\$) adj2 (feedback or intervention? or information or plan?)).ti,ab.
21. ((evidence or identify or identified or practice) adj3 gap?).ti,ab.
22. (change adj2 (barrier? or facilitat\$)).ti,ab.
23. (collaborative? or interdisciplin\$ or inter-disciplin\$ or multidisciplin\$ or multi-disciplin\$ or team? or teambased or skill-mix).ti.
24. (((interdisciplinary or collaborative) adj research) or ((collaborative or multidisciplinary or interdisciplinary) adj2 (care or unit))).ti,ab.
25. (doctor-driven or doctor-led or nurse-led or nurse-driven or pharmacist-led or pharmacist-driven or physicianled or physician-driven).ti,ab.
26. (leaflet\$ or pamphlet\$ or "written information").ti,ab.
27. (academic detailing or e-detailing or (opinion? adj2 leader?)).ti,ab.
28. ("audit and feedback" or (feedback adj2 prompt\$) or ((physician? or doctor? or practitioner? or nurse? or provider?) adj feedback)).ti,ab.
29. reminder?.ti,ab. or Reminder systems/ [ML]

30. ((doctor? or nurse? or pharmacist? or physician? or practitioner?) adj2 behavio?r?).ti,ab.
31. (nurse? adj4 substitut\$).ti,ab.
32. (practice pattern? or ((change? or changing) adj2 practice)).ti,ab.
33. Physician's Practice Patterns/ and (change? or changing or improv\$ or impact or effect\$ or reduce? or reducing or increase? or increasing or optimi?e? or optimal or quality or healthcare or patient care or intensive care or emergency or chronic or management or administration).ti,hw.
34. (primary care or primary medical care or primary health care or primary patient care or general practitioner? or general practice or family practice or family practitioner? or nurse-practitioner? or family physician? or physician? assistant?).ti.
35. ((doctor? or pharmacist? or physician?) adj2 role?).ab.
36. ""Referral and Consultation"/
37. (Referral? and (primary care or primary medical care or primary health care or primary patient care or specialist? or general practitioner? or change? or changing or improv\$ or impact or effect\$ or reduce? or reducing or increase? or increasing or optimi?e? or optimal or quality or healthcare or patient care or intensive care or emergency or chronic or management or administration)).ti,hw.
38. ((dual or enhanced or extend\$) adj2 role?).ti,ab. and (health personnel/ or allied health personnel/ or exp medical staff/ or exp nurses/ or exp nursing staff/ or exp personnel, hospital/ or pharmacists/ or exp physicians/)
39. ((dual or enhanced or extend\$) adj2 role?).ti,ab. and (nurse? or nursing or doctor? or physician? or practitioner? or resident? or intern? or paramedic\$ or emergency or staff or intensive care or primary care or primary medical care or primary health care or primary patient care or general practice\$ or general practitioner? or family practice? or family practitioner?).ti,hw.
40. ((nurse? or physician? or pharmacist? or provider?) adj2 initiat\$).ti,ab.
41. exp education, continuing/ and (improv\$ or impact or care or effective or drug therapy or healthcare or medication therapy or prescription? or prescribing or pharmacy service? or quality).ti,hw.
42. (((continuing or "on the job" or "off the job" or postgrad\$ or post-grad\$ or resident? or intern? or internship? or workplace) adj2 (education\$ or training)) or (skill? adj (education or training))).ti,ab.
43. (virtual reality or VR Training or VR simulat\$ or (simulat\$ adj2 skill?)).ti,ab.
44. simulat\$.ti. and (education\$.ti,fs,hw. or teaching.ti,hw. or learning.ti,hw.)
45. (blog\$ or wiki\$ or PDA or "palm pilot?" or blackberr\$ or Twitter or tweet or tweeting or facebook or social networking or social marketing or youtube).ti,ab. or blogging/
46. (health 20 or healthcare 20 or health care 20 or web 20).ti,ab.
47. \*guideline adherence/ or (guideline? adj2 (adherence or implement\$ or concordance)).ti,ab.
48. (self-monitor\$ or self-care or self-manag\$ or (home-based or home-managed)).ti,ab.
49. (lay health\$ worker? or community health\$ worker?).ti,ab.
50. (community and (care or health or healthcare or program\$ or practice? or physician? or project? or doctor? or nurse? or nursing)).ti. or (community adj2 (care or health or healthcare or project? or program\$ or practice? or physician? or pharmacy or pharmacies or pharmacist? or doctor? or nurse? or nursing)).ab. or "community-based".ti.
51. (((individuali\$ or integrated) adj2 (care or healthcare or medical care)) or patient-centred or patient-centered or patient-control\$).ti,ab.
52. ((performance\$ adj2 pay\$) or (P4P or "pay for quality improvement?" or P4QI or "fee-for service?" or "payment? by result?" or capitated or capitation) or ((payment? or fee or fees) adj2 (mix or mixed))).ti,ab.
53. quality improvement.ti,ab.
54. ((barrier? or improve? or improving or increase? or increasing or insurance or insurer? or intervention? or optim\$ or promot\$ or sub-optimal\$) adj4 (medication adherence or patient adherence or patient compliance)).ab. or ((barrier? or improve? or improving or increase? or increasing or insurance or insurer? or intervention? or optim\$ or promot\$ or sub-optimal\$) and (medication adherence or patient adherence or patient compliance)).ti.
55. ((barrier? or improv\$ or increas\$ or promot\$) adj3 (adopt\$ or implement\$)).ti,ab.
56. ""Length of stay"/ or \*patient admission/ or \*patient discharge/ or \*patient readmission/ or \*patient transfer/
57. ("Length of stay"/ or patient admission/ or patient discharge/ or patient readmission/ or patient transfer/) and (patient care or healthcare or improv\$ or intensive care or quality or reduce? or reducing or improve? or improving or minimi?e? or minimi?ing or intervention? or impact).ti,hw.
58. ("length of stay" or discharge plan\$).ti. or (("length of stay" or readmission? or readmit\$ or (patient adj2 (transfer\$ or handoff?))) adj2 (reduc\$ or shorten\$ or minimi\$ or improv\$)).ab.
59. (\*Telemedicine/ or (e-health\$ or e-medicine or e-practice or e-practition\$ or Tele-diagnos\$ or tele-consult\$ or tele-health\$ or tele-medicine or telemedicine or telehealth\$ or telemedicine or tele-medicine or telemonitoring or tele-monitoring or telerehab\$ or tele-rehab\$ or telepsychiatr\$ or tele-psychiatr\$).ti,ab.) and (impact? or improv\$ or change? or changing or effect\$ or quality).ti,hw.
60. Patient compliance/ and (improv\$ or impact or care or effective or drug therapy or healthcare or medication therapy or prescription? or prescribing or pharmacy service? or quality).ti,hw.
61. pharmaceutical services/ or community pharmacy services/ or drug information services/ or clinical pharmacy information systems/ or medication therapy management/ or pharmacy service, hospital/ or prescriptions/ or drug prescriptions/ or electronic prescribing/

62. (pharmacy or pharmacies or pharmacist? or prescribing).ti. or (electronic prescribing or prescribing practice? or e-prescribing or electronic prescription?).ab.
63. ((prescrib\$ or prescription?) adj5 delay\$).ab.
64. ((improv\$ or optimi?ing or optimi?e? or optimal\$ or rational\$ or sub-optimal\$) adj2 (prescrib\$ or prescript\$)).ab.
65. (pharmacy-based or pharmacy-led or pharmacist-led or ((pharmacist? or pharmacy? or pharmacies) adj2 initiat\$) or (pharmacist? adj (impact or involv\$))).ab.
66. ((drug therapy or medication or patient or treatment) adj (adherence or nonadherence or non-adherence or compliance or non-compliance)).ab. or ((drug therapy or medication or patient or treatment) adj2 (adherence or nonadherence or non-adherence or compliance)).ti.
67. ((improv\$ or optimi?ing or optimi?e? or optimal\$ or rational\$ or sub-optimal\$) and (prescrib\$ or prescript\$ or drug therap\$ or medication?)).ti. or ((improv\$ or optimi?ing or optimi?e? or optimal\$ or rational\$ or sub-optimal\$) adj2 (prescrib\$ or prescript\$ or drug therap\$ or medication?)).ab.
68. Medication errors/ or ((medication error? or prescribing error?) adj2 (reduce? or reducing or improv\$)).ti,ab.
69. exp "Formularies as Topic"/
70. Medication adherence/
71. or/1-70 [RxCh 4.4a]
72. meta-analysis.pt. or (meta-analysis or metaanalysis or meta-analytic\$ or metaanalytic\$ or meta-review).ti.
73. ("review? of review?" or "mini-review" or (systematic adj2 review?)).ti,ab.
74. ((systematic\* or review?) adj2 overview\*).ti,ab. or ((comprehensive or integrative or literature or critical or quantitative or research) adj2 (overview or review?)).ti.
75. ((comprehensive or integrative or literature or critical or quantitative or research) adj2 (overview or review?)).ab.
76. ((collaborative adj3 (review\* or overview\*)) or (pool\* adj3 analy\*)).ti,ab.
77. (data synthes\* or data extraction\* or data abstraction\*).ti,ab.
78. (mantel haenszel or peto or der simonian or dersimonian or fixed effect\* or latin square\*).ti,ab.
79. (meta regression\* or metaregression\* or mega regression\*).ti,ab.
80. (search\$ adj10 (medline or embase or cinahl or psycinfo or pubmed or cochrane)).ab.
81. (cochrane or EVIDENCE or EVIDENCE-BASED or TECHNOLOGY ASSESSMENT).jw.
82. (evidence adj3 (review? or appraisal? or overview\* or synthesis)).ti,ab.
83. ((synthes\$ or evaluat\$) adj2 evidence\$).ti,ab.
84. or/72-83 [SR Filter]
85. 71 and 84
86. Animals/ not (Animals/ and Humans/)
87. 85 not 86
88. (clinical trial or clinical trial phase i or clinical trial phase ii or clinical trial phase iii or clinical trial phase iv or comparative study or consensus development conference or consensus development conference nih or controlled clinical trial or evaluation studies or guideline or historical article or in vitro or interview or legal cases or letter or multicenter study or periodical index or practice guideline or randomized controlled trial or twin study or validation studies).pt.
89. limit 87 to ed="20110201-20110620" [Limit results by Entry date April 15-2010-Jan 1, 2011]
90. 89 not 88
91. (89 not 90) and ((review or meta-analysis).pt. or meta\$.ti. or (systematic adj2 review).ti.)
92. 90 or 91 [Up6 ML Results Strategy 4.4a]

## EMBASE [OVID] 4.0

1. (primary care or primary medical care or primary health care or primary patient care or general practitioner? or general practice or family practice or family practitioner? or nurse-practitioner? or family physician? or physician? assistant?).ti.
2. (intervention? adj3 (clinic? or clinician? or collaborat\$ or community or complex or education\$ or effect\$ or financial or hospital? or impact? or improv\$ or individuali?e? or individuali?ing or inpatient? or interdisciplin\$ or multi-component or multi-disciplin\$ or multidisciplin\$ or multifacet\$ or multi-facet\$ or nurse? or nursing or organi?ation\$ or out-patient? or personali?e? or personali?ing or pharmacist? or pharmacy or pharmacies or physician? or practitioner? or prescrib\$ or prescription? or professional\$ or provider? or regulatory or structured or tailor\$ or target\$ or team\$)).ti.
3. (intervention? adj3 (clinician? or collaborat\$ or community or complex or doctor? or educational or financial or hospital? or impact? or individuali?e? or individuali?ing or interdisciplin\$ or multi-component or multi-disciplin\$ or multidisciplin\$ or multifacet\$ or multi-facet\$ or organi?ation\$ or personali?e? or personali?ing or pharmacist? or pharmacy or pharmacies or physician? or practitioner? or prescrib\$ or prescription? or professional\$ or provider? or regulatory or structured or tailor\$ or target\$ or team\$)).ab.
4. (integrating or integration).ti.
5. (medical record/ or electronic medical record/) and (intervention? or improv\$ or effectiv\$ or "patient care" or quality or implement\$).ti. [EM]
6. order entry.ti. or (order entry adj2 (prescription? or physician? or doctor? or provider? or nurse? or nursing or computer\$ or system? or process\$)).ab.
7. ((computeri\$ or doctor? or medical or nurse? or nursing or physician? or practitioner? or provider or medication or pharmacist? or pharmacy or prescription? or prescrib\$) adj2 (order adj2 (system? or entry))).ti,ab.
8. (((evidence or evidence-based) adj4 intervention) or evidence-driven).ti,ab.
9. "practice-based".ti,ab.
10. \*health care delivery/ or (delivery of health care or health care delivery).ti. [EM]
11. (hospital and home).ti.
12. ((CHANGE? or changing or improv\$ or effect\$ or influenc\$) and (care or health\$ or hospital? or practice)).ti.
13. ((care adj2 (continuity or integrated or integrative or shared)) and (chang\$ or collaborat\$ or community\$ or cooperat\$ or co-operat\$ or effect? or impact? or improv\$ or implement\$ or team\$ or transform\$)).ti.
14. (care adj2 (continuity or integrated or integrative or shared) adj4 (chang\$ or collaborat\$ or community\$ or cooperat\$ or co-operat\$ or effect? or impact? or improv\$ or implement\$ or team\$ or transform\$)).ti.
15. restructuring.ti. or (restructur\$ adj4 (hospital? or care or health or patient? or physician? or organi?ational or doctor? or nurse? or nursing)).ti,ab.
16. ((effectiv\$ or improv\$) adj3 (adheren\$ or care or clinician? or decision\$ or doctor? or implement\$ or health care or healthcare or initiative? or inpatient? or management or multifacet\$ or multi-facet\$ or multi-component or nurse? or out-patient? or patient-led or patient-based or pharmacy or pharmacies or pharmacist? or physician? or population health or practi?e? or practitioner? or prescrib\$ or prescription? or preventiv\$ or preventativ\$ or professional? or program? or programme? or provider? or public health or unit or units or ward or wards)).ti.
17. ((effectiv\$ or improv\$) adj2 (care unit? or critical care or patient-care or decision\$ or doctor? or family practice or implement\$ or health care or healthcare or intensive care or initiative? or management or general practi?e? or practitioner? or provider? or (primary care or primary medical care or primary health care or primary patient care) or hospital unit or hospital units or ward or wards)).ab.
18. recommended practice?.ti,ab.
19. ((information or evidence) adj2 uptake).ti,ab.
20. ((knowledge adj2 (application or broke\$ or creation or diffus\$ or disseminat\$ or exchang\$ or implement\$ or management or mobili\$ or NETWORK? or translat\$ or transfer\$ or uptake or utili\$)) or (evidence\$ adj2 (exchang\$ or translat\$ or transfer\$))).ti,ab.
21. (KT adj2 (application or broke\$ or diffus\$ or disseminat\$ or decision\$ or exchang\$ or implement\$ or intervent\$ or mobili\$ or NETWORK? or plan\$ or policy or policies or strateg\$ or translat\$ or transfer\$ or uptake or utili\$)).ti,ab.
22. ((utili?e? or utili?ing or implement\$) adj2 (research or evidence)).ti,ab.
23. ((evidence or intervention?) adj3 effectiveness).ti,ab.
24. ((research or evidence) adj2 action).ti,ab.
25. ((evaluat\$ or facilitiat\$ or impact or incorporat\$ or policy or practice or translat\$) adj2 evidence).ti,ab.
26. (health policy or policy maker? or decision maker? or (policy adj3 evidence)).ti,ab.
27. ((computer-tailored or individuali?ing or individuali?ed or personali?e? or personali?ing or tailor\$) adj2 (feedback or intervention? or information or plan?)).ti,ab.
28. ((evidence or identify or identified or practice) adj3 gap?).ti,ab.
29. (change adj2 (barrier? or facilitat\$)).ti,ab.

30. (collaborative? or interdisciplin\$ or inter-disciplin\$ or INTRA-DISCIPLINARY or INTRADISCIPLINARY or multidisciplin\$ or multi-disciplin\$ or team? or team-based or skill-mix).ti.
31. (((interdisciplinary or intradisciplinary or intra-disciplinary or collaborative) adj research) or ((collaborative or intradisciplinary or intra-disciplinary or multidisciplinary or interdisciplinary) adj2 (care or team? or unit))).ab.
32. (pharmacist managed or doctor-driven or doctor-led or nurse-led or nurse-driven or pharmacist-led or pharmacist-driven or physician-led or physician-driven).ti,ab.
33. action plan?.ti.
34. (BROCHURE? or pamphlet\$ or (written adj2 (information or material?))).ti,ab.
35. (LEAFLET? and (care or consumer? or doctor? or education\$ or general practice or information\$ or label\$ or medication? or nurse? or packag\$ or pharmacy or pharmacies or physician? or practitioner? or prescribing or prescription? or provider? or Rx)).ti.
36. (LEAFLET? adj3 (care or consumer? or doctor? or education\$ or evidence-based or general practice or information\$ or label\$ or medication? or nurse? or packag\$ or pharmacy or pharmacies or physician? or practitioner? or prescribing or prescription? or provider? or Rx)).ab.
37. (academic detailing or e-detailing or (opinion? adj2 leader?)).ti,ab.
38. ("audit and feedback" or (feedback adj2 prompt\$) or ((physician? or doctor? or practitioner? or nurse? or provider?) adj feedback)).ti,ab.
39. reminder?.ti. or (reminder? adj3 (system? or paper\$ or computer\$ or physician? or general practice or primary care or nurse? or professional? or practitioner?)).ab. or reminder system/ [EM]
40. ((CLINICIAN? or doctor? or nurse? or pharmacist? or physician? or practitioner?) adj2 behavior?).ti,ab.
41. (nurse? adj4 substitut\$).ti,ab.
42. (NURSE PRACTITIONER? or advanced practice nurse or advanced practice nursing or advanced practice nurses).ti,ab.
43. (Practice Pattern? or PHYSICIAN? PRACTICE).ti,ab.
44. ((doctor? or pharmacist\$ or physician?) adj2 role?).ab.
45. ((NURSE or NURSING or GENERAL or GENERALIST?) adj2 specialist?).ti,ab.
46. (Referral? adj2 (PHYSICIAN? or NURSE? or NURSING or primary care or primary medical care or primary health care or primary patient care or specialist? or general practitioner? or change? or changing or improv\$ or impact or effect\$ or reduce? or reducing or increase? or increasing or optimi?e? or optimal or quality or healthcare or patient care or intensive care or emergency or chronic or management or administration)).ab.
47. (Referral? and (PHYSICIAN? or NURSE? or NURSING or primary care or primary medical care or primary health care or primary patient care or specialist? or general practitioner? or change? or changing or improv\$ or impact or effect\$ or reduce? or reducing or increase? or increasing or optimi?e? or optimal or quality or healthcare or patient care or intensive care or emergency or chronic or management or administration)).ti.
48. (CONSULTATION? or COLLABORATION).ti.
49. DECISION support system/ [EM]
50. DECISION SUPPORT.ti,ab.
51. ((dual or enhanced or extend\$) adj2 role?).ti,ab. and (exp medical personnel/ or exp medical staff/ or exp nurse/ or exp paramedical personnel/ or exp physician/) [EM]
52. (((dual or enhanced or extend\$) adj role?) and (nurse? or nursing or doctor? or physician? or practitioner? or resident? or intern? or paramedic\$ or emergency or staff or intensive care or primary care or primary medical care or primary health care or primary patient care or general practice\$ or general practitioner? or family practice? or family practitioner?)).ti.
53. ((DUAL or enhanced or extend\$) adj role? adj4 (nurse? or nursing or doctor? or physician? or practitioner? or resident? or intern? or paramedic\$ or emergency or staff or intensive care or primary care or primary medical care or primary health care or primary patient care or general practice\$ or general practitioner? or family practice? or family practitioner?)).ab.
54. ((nurse? or physician? or pharmacist? or provider?) adj2 initiat\$).ti,ab.
55. EDUCATION, CONTINUING/ and (improv\$ or impact or care or effective or drug therapy or healthcare or medication therapy or prescription? or prescribing or pharmacy service? or quality or primary care or primary medical care or primary health care or primary patient care or general practice\$ or general practitioner? or family practice? or family practitioner?).ti. [EM]
56. (((continuing or "on the job" or "off the job" or postgrad\$ or post-grad\$ or resident? or intern? or internship? or workplace) adj2 (education\$ or training)) or (skill? adj (education or training))).ti,ab.
57. (virtual reality or VR Training or VR simulat\$ or (simulat\$ adj2 skill?)).ti,ab.
58. (simulat\$ and (EDUCATION\$ or teaching or learning)).ti.
59. (blog\$ or wiki\$ or PDA or "palm pilot?" or blackberr\$ or Twitter or tweet or tweeting or facebook or social networking or social marketing or youtube).ti,ab.
60. (health 20 or healthcare 20 or health care 20 or web 20).ti,ab.
61. (guideline? adj2 (adherence or implement\$ or concordance)).ti,ab.
62. (self-monitor\$ or self-care or self-manag\$ or (home-based or home-managed)).ti,ab.
63. (lay health\$ worker? or community health\$ worker?).ti,ab.



64. (community and (care or health or healthcare or program\$ or practice? or physician? or project? or doctor? or nurse? or nursing)).ti. or (community adj2 (care or health or healthcare or project? or program\$ or practice? or physician? or pharmacy or pharmacies or pharmacist? or doctor? or nurse? or nursing)).ab. or "community-based".ti.
65. (((individuali\$ or integrated) adj2 (care or healthcare or medical care)) or patient-centred or patient-centered or patient-control\$).ti,ab.
66. (((FINANCIAL or salary or payment? or fee-structure?) adj2 incentive?) or reference pricing or ((pharmaceutical? or drug? or prescription?) adj2 pricing)).ti,ab.
67. ((performance\$ adj2 pay\$) or target payment? or (P4P or "pay for quality improvement?" or P4QI or "fee-for service?" or fee-based or "payment? by result?" or capitated or capitation) or ((co-pay\$ or payment? or fee or fees) adj2 (cap or capped or mix or mixed))).ti,ab.
68. quality improvement.ti,ab.
69. ((barrier? or improve? or improving or increase? or increasing or insurance or insurer? or intervention? or optim\$ or promot\$ or sub-optimal\$) adj4 (medication adherence or patient adherence or patient compliance)).ab. or ((barrier? or improve? or improving or increase? or increasing or insurance or insurer? or intervention? or optim\$ or promot\$ or sub-optimal\$) and (medication adherence or patient adherence or patient compliance)).ti.
70. ((barrier? or improv\$ or increas\$ or promot\$) adj3 (adopt\$ or implement\$)).ti,ab.
71. \*"Length of stay"/ or \*hospital admission/ or \*hospital discharge/ or \*patient transport/ [EM]
72. ("length of stay" or discharge plan\$).ti. or (("length of stay" or readmission? or readmit\$ or (patient adj2 (transfer\$ or handoff?))) adj2 (reduc\$ or shorten\$ or minimi\$ or improv\$)).ab.
73. (MOBILE adj2 (health or care)).ti,ab.
74. exp \*Telemedicine/ or (E-HEALTH\$ or telemanag\$ or tele-manag\$ or e-medicine or e-practice or e-practition\$ or Tele-diagnos\$ or tele-consult\$ or tele-health\$ or tele-medicine or telemedicine or telehealth\$ or telemedicine or tele-medicine or telemonitoring or tele-monitoring or telerehab\$ or tele-rehab\$ or telepsychiatr\$ or telepsychiatr\$).ti. [EM]
75. (E-HEALTH\$ or e-medicine or e-practice or e-practition\$ or Tele-diagnos\$ or tele-consult\$ or tele-health\$ or telemanag\$ or tele-manag\$ or tele-medicine or telemedicine or telehealth\$ or telemedicine or tele-medicine or telemonitoring or tele-monitoring or telerehab\$ or tele-rehab\$ or telepsychiatr\$ or tele-psychiatr\$).ti,ab. and (impact? or improv\$ or change? or changing or effect\$ or quality).ti. [EM]
76. \*Patient compliance/ and (improv\$ or impact or care or effective or drug therapy or healthcare or medication therapy or prescription? or prescribing or pharmacy service? or quality).ti. [EM]
77. electronic prescribing/ or \*clinical pharmacy/ or \*hospital pharmacy/ or \*prescription/ or \*pharmacy/ or medication therapy management/ [EM]
78. (pharmacy or pharmacies or pharmacist? or prescribing).ti. or (electronic prescribing or prescribing practice? or e-prescribing or electronic prescription?).ab.
79. ((prescrib\$ or prescription?) adj5 delay\$).ab.
80. ((improv\$ or optimi?ing or optimi?e? or optimal\$ or sub-optimal\$) adj2 (prescrib\$ or prescript\$)).ab.
81. (pharmacy-based or pharmacy-led or pharmacist-led or ((pharmacist? or pharmacy? or pharmacies) adj2 initiat\$) or (pharmacist? adj (impact or involv\$))).ab.
82. ((drug therapy or medication or patient or treatment) adj (adherence or nonadherence or non-adherence or compliance or non-compliance)).ab. or ((drug therapy or medication or patient or treatment) adj2 (adherence or nonadherence or non-adherence or compliance)).ti.
83. ((improv\$ or optimi?ing or optimi?e? or optimal\$ or sub-optimal\$) and (prescrib\$ or prescript\$ or drug therap\$ or medication?)).ti. or ((improv\$ or optimi?ing or optimi?e? or optimal\$ or rational\$ or sub-optimal\$) adj2 (prescrib\$ or prescript\$ or drug therap\$ or medication?)).ab.
84. ((medication error? or prescribing error?) adj2 (reduce? or reducing or improv\$)).ti,ab.
85. or/1-84 [Interventions]
86. exp review/ [EM]
87. (medline or medlars or embase or pubmed or (scisearch or psychlit or psyclit) or (psycinfo or psychinfo) or cinahl).ti,ab,sh.
88. ((hand adj2 search\$) or (manual\$ adj search\$) or ((electronic adj database\$) or (bibliographic adj database\$)) or ((pooled adj analys\$) or pooling) or (peto or dersimonian or (fixed adj effect) or mantel haenszel)).tw. or

RETRACTED ARTICLE/

89. 86 and (or/87-88)
90. exp meta analysis/
91. systematic review/
92. (meta-analysis or metaanalysis or meta-analytic\$ or metaanalytic\$ or meta-review).ti.
93. ("review? of review?" or "mini-review" or (systematic adj2 review?)).ti,ab.
94. ((systematic\* or review?) adj2 overview\*).ti,ab. or ((comprehensive or integrative or literature or critical or quantitative or research) adj2 (overview or review?)).ti.

95. ((comprehensive or integrative or literature or critical or quantitative or research) adj2 (overview or review?)).ab.
96. ((collaborative adj3 (review\* or overview\*)) or (pool\* adj3 analy\*)).ti,ab.
97. (data synthes\* or data extraction\* or data abstraction\*).ti,ab.
98. (mantel haenszel or peto or der simonian or dersimonian or fixed effect\* or latin square\*).ti,ab.
99. (meta regression\* or metaregression\* or mega regression\*).ti,ab.
100. (cochrane or EVIDENCE or EVIDENCE-BASED or TECHNOLOGY ASSESSMENT).jw.
101. (evidence adj3 (review? or appraisal? or overview\* or synthesis)).ti,ab.
102. ((synthes\$ or evaluat\$) adj2 evidence\$).ti,ab.
103. 89 or (or/90-102) [SR Filter based on Clinical Evidence & CADTH]
104. Animals/ not (Animals/ and Humans/)
105. (85 and 103) not 104 [Results]



## Cochrane Database of Systematic Reviews (CDSR) [Wiley]

## Database of Abstracts of Reviews of Effects (DARE) [Wiley]

- #1 (improv\* Near/2 practice\*):ti,ab  
#2 (effectiv\* Near/2 practice?):ti,ab  
#3 (pharmacist\* near/2 intervent\*):ti,ab or (pharmacist\* led):ti,ab,kw or (nurse led):ti,ab or (physician\* focussed):ti,ab or (multifacet\* or multimodal or collaborative\*):ti,ab  
#4 (intervention\* near/2 collaborat\*):ti,kw or (intervention\* near/2 complex):ti,kw or (intervention\* near/2 financial):ti,kw or (intervention\* near/2 impact?):ti,kw or (intervention\* near/2 individuali\*):ti,kw or (intervention\* near/2 interdisciplin\*):ti,kw or (intervention\* near/2 multi-component):ti,kw or (intervention\* near/2 multi-disciplin\*):ti,kw or (intervention\* near/2 multidisciplin\*):ti,kw or (intervention\* near/2 multifacet\*):ti,kw or (intervention\* near/2 multi-facet\*):ti,kw or (intervention\* near/2 organisation\*):ti,kw or (intervention\* near/2 organiZation\*):ti,kw OR (intervention\* near/2 personali\*):ti,kw or (intervention\* near/2 pharmacist?):ti,kw or (intervention\* near/2 pharmacy):ti,kw or (intervention\* near/2 pharmac\*):ti,kw or (intervention\* near/2 physician?):ti,kw or (intervention\* near/2 practitioner\*):ti,kw or (intervention\* near/2 prescrib\*):ti,kw or (intervention\* near/2 prescription\*):ti,kw or (intervention\* near/2 professional\*):ti,kw or (intervention\* near/2 provider\*):ti,kw or (intervention\* near/2 regulatory):ti,kw or (intervention\* near/2 structured):ti,kw or (intervention\* near/2 tailor\*):ti,kw or (intervention\* near/2 target\*):ti,kw or (intervention\* near/2 team\*):ti,  
#5 (pharmacist\* near/2 intervention\*):ti,ab OR (pharmacies near/2 intervention\* or pharmacy near/2 intervention\*):ti,ab  
#6 (e-learn\* near/2 physician\* or e-education near/2 physician\* or e-instruction near/2 physician\* or elearning near/2 physician\* or m-learn\* near/2 physician\* or virtual reality near/2 physician\* or VR Training near/2 physician\* or VR simulat\* near/2 physician\* or Virtual network\* near/2 physician\*):ti,ab  
#7 (e-learn\* or e-education or e-instruction or elearning or "e learning" or "e train\*" or "e curricul\*" or "e program\*" or m-learn\* or virtual reality or VR Training or VR simulat\* or Virtual network\* or multimedia or multi-media):ti,ab AND (physician\* or nurse or nurses or nursing or doctor\* or resident or residency or residents or intern or interns):ti  
#8 (booklet\* or brochure\* or pamphlet\* or paper-based or PRINT-BASED or "written material\*"):ti,ab  
#9 (continuing near/2 education\*):ti  
#10 inservice:ti,ab or CME:ti,ab or continuing medical education\*:ti,ab  
#11 (retrain\* near/2 DOCTOR\* or retrain\* near/2 HEALTH CARE or retrain\* near/2 NURSE or retrain\* near/2 NURSES or retrain\* near/2 NURSING or retrain\* near/2 PHYSICIAN\* or retrain\* near/2 PRACTITIONER\* or retrain\* near/2 provider\*):ti,ab  
#12 tailor\*:ti,ab or (personali\* medicine or personali\* near/2 patient\* personali\* near/2 care):ti,ab or (individuali\* medicine or individuali\* near/2 patient\* individuali\* near/2 care):ti,ab  
#13 (improv\* near/2 prescrib\* or improv\* near/2 prescription\* or optimi\* near/2 prescrib\* or optimi\* near/2 prescript\*):ti,ab or (improv\* near/2 medication adheren\* or optimi\* near/2 medication adheren\* ):ti,ab  
#14 (physician\* near/2 behaviour\* or physician\* near/2 behavior\* or nurse near/2 behaviour\* or nurse near/2 behavior\* or nurses near/2 behaviour\* or nurses near/2 behavior\* or provider\* near/2 behaviour\* or provider\* near/2 behavior\* or practitioner\* near/2 behaviour\* or practitioner\* near/2 behavior\*):ti,ab  
#15 referral\*:ti,ab  
#16 MeSH descriptor Referral and Consultation, this term only  
#17 practice pattern\*:ti,ab  
#18 (hospitals near/3 administration or hospitals near/3 organisational or hospital near/3 administration or hospital near/3 organisational or hospital near/3 organizational):ti,ab  
#19 (organizational near/2 chang\* or organisational near/2 chang\*):ti,ab  
#20 (#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR

#13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19)

## CINAHL EbscoHost

Line #	Search Query
S133	S131 or S132
S132	(( S116 and S129 )) AND DT 20130401-20131231
S131	( S116 and S129 ) AND EM 20130401-20131231
S130	S116 and S129
S129	S117 or S118 or S119 or S120 or S121 or S122 or S123 or S124 or S125 or S126 or S127 or S128
S128	TI ( (synthes* N2 evidence*) or (evaluat* N2 evidence*) ) or AB ( (synthes* N2 evidence*) or (evaluat* N2 evidence*) )
S127	TI ( (evidence N3 review) or (evidence N3 appraisal) or (evidence N3 overview*) or (evidence N3 synthesis) ) or AB ( (evidence N3 review) or (evidence N3 appraisal) or (evidence N3 overview*) or (evidence N3 synthesis) )
S126	AB (search* N10 medline) or (search* N10 embase) or (search* N10 cinahl) or psycinfo or pubmed or (search* N10 cochrane)
S125	TI ( (meta regression* or metaregression* or mega regression*) ) or AB ( (meta regression* or metaregression* or mega regression*) )

- S124 TI ( (mantel haenszel or peto or der simonian or dersimonian or fixed effect\* or latin square\* ) ) or AB ( (mantel haenszel or peto or der simonian or dersimonian or fixed effect\* or latin square\* ) )
- S123 TI ( (data syntheses\* or data extraction\* or data abstraction\* ) ) or AB ( (data syntheses\* or data extraction\* or data abstraction\* ) )
- S122 TI ( (collaborative N3 review\* ) or (collaborative N3 overview\* ) or (pool\* N3 analy\* ) ) or AB ( (collaborative N3 review\* ) or (collaborative N3 overview\* ) or (pool\* N3 analy\* ) )
- S121 AB (comprehensive N2 overview) or (integrative N2 overview) or (literature N2 overview) or (critical N2 overview) or (quantitative N2 overview) or (research N2 overview) or (comprehensive N2 review) or (integrative N2 review) or (literature N2 review) or (critical N2 overview) or (quantitative N2 review) or (research N2 review)
- S120 TI ( (systematic\* N2 overview\* ) or (review N2 overview\* ) ) or AB ( (systematic\* N2 overview\* ) or (review N2 overview\* ) ) or TI ( (comprehensive N2 overview) or (integrative N2 overview) or (literature N2 overview) or (critical N2 overview) or (quantitative N2 overview) or (research N2 overview) or (comprehensive N2 review) or (integrative N2 review) or (literature N2 review) or (critical N2 review) or (quantitative N2 review) or (research N2 review) )
- S119 TI ( (systematic\* N2 overview\* ) or (review N2 overview\* ) ) or AB ( (systematic\* N2 overview\* ) or (review N2 overview\* ) )
- S118 TI ( ("review of review" or "mini-review" or (systematic N2 review)) ) or AB ( ("review of review" or "mini-review" or (systematic N2 review)) )
- S117 TI (meta-analysis or metaanalysis or meta-analytic\* or metaanalytic\* or meta-review)
- S116 S1 or S2 or S3 or S9 or S10 or S11 or S12 or S13 or S14 or S15 or S16 or S17 or S18 or S19 or S20 or S21 or S22 or S23 or S24 or S25 or S26 or S27 or S28 or S29 or S30 or S31 or S32 or S33 or S34 or S35 or S36 or S37 or S38 or S39 or S40 or S41 or S49 or S50 or S51 or S52 or S53 or S54 or S55 or S56 or S59 or S67 or S68 or S71 or S72 or S73 or S74 or S75 or S76 or S77 or S78 or S79 or S80 or S81 or S82 or S83 or S84 or S85 or S86 or S87 or S88 or S89 or S90 or S91 or S92 or S93 or S94 or S95 or S98 or S99 or S102 or S103 or S104 or S105 or S106 or S107 or S108 or S109 or S110 or S111 or S112 or S113 or S114 or S115

S115 (MH "Medication Compliance")

S114 TI ( (medication error N2 reduce) or (prescribing error N2 reduce) or (medication error N2 reducing) or (prescribing error N2 reducing) or (medication error N2 improv\*) or (prescribing error N2 improv\*) ) or AB ( (medication error N2 reduce) or (prescribing error N2 reduce) or (medication error N2 reducing) or (prescribing error N2 reducing) or (medication error N2 improv\*) or (prescribing error N2 improv\*) )

S113 (MH "Medication Errors")

S112 TI ( ((improv\* or optimi?ing or optimi?e or optimal\* or rational\* or sub-optimal\*) and (prescrib\* or prescrip\* or drug therap\* or medication)) ) or AB ( (improv\* N2 prescrib\*) or (optimi?ing N2 prescrib\*) or (optimi?e N2 prescrib\*) or (optimal\* N2 prescrib\*) or (rational\* N2 prescrib\*) or (sub-optimal\* N2 prescrib\*) or (improv\* N2 prescrip\*) or (optimi?ing N2 prescrip\*) or (optimi?e N2 prescrip\*) or (optimal\* N2 prescrip\*) or (rational\* N2 prescrip\*) or (sub-optimal\* N2 prescrip\*) or (improv\* N2 drug therap\*) or (optimi?ing N2 drug therap\*) or (optimi?e N2 drug therap\*) or (optimal\* N2 drug therap\*) or (rational\* N2 drug therap\*) or (sub-optimal\* N2 drug therap\*) or (improv\* N2 medication) or (optimi?ing N2 medication) or (optimi?e N2 medication) or (optimal\* N2 medication) or (rational\* N2 medication) or (sub-optimal\* N2 medication) )

S111 AB ( (drug therapy N1 adherence) or (medication N1 adherence) or (patient N1 adherence) or (treatment N1 adherence) or (drug therapy N1 nonadherence) or (medication N1 nonadherence) or (patient N1 non-adherence) or (treatment N1 non-adherence) or (drug therapy N1 non-adherence) or (medication N1 non-adherence) or (patient N1 non-adherence) or (treatment N1 non-adherence) or (drug therapy N1 compliance) or (medication N1 compliance) or (patient N1 compliance) or (treatment N1 compliance) or (drug therapy N1 non-compliance) or (medication N1 non-compliance) or (patient N1 non-compliance) or (treatment N1 non-compliance) ) or TI ( (drug therapy N2 adherence) or (medication N2 adherence) or (patient N2 adherence) or (treatment N2 adherence) or (drug therapy N2 nonadherence) or (medication N2 nonadherence) or (patient N2 nonadherence) or (treatment N2 nonadherence) or (drug therapy N2 non-adherence) or (medication N2 non-adherence) or (patient N2 non-adherence) or (treatment N2 non-adherence) or (drug therapy N2 compliance) or (medication N2 compliance) or (patient N2 compliance) or (treatment N2 compliance) )

S110 AB pharmacy-based or pharmacy-led or pharmacist-led or (pharmacist N2 initiat\*) or (pharmacy N2 initiat\*) or (pharmacies N2 initiat\*) or pharmacist impact or pharmacist involv\*

S109 AB ( (improv\* N2 prescrib\*) or (optimi?ing N2 prescrib\*) or (optimi?e N2 prescrib\*) or (optimal\* N2 prescrib\*) or (rational\* N2 prescrib\*) or (sub-optimal\* N2 prescrib\*) ) or AB ( (improv\* N2 prescrip\*) or (optimi?ing N2 prescrip\*) or (optimi?e N2 prescrip\*) or (optimal\* N2 prescrip\*) or (rational\* N2 prescrip\*) or (sub-optimal\* N2 prescrip\*) )

S108 AB (prescrib\* N5 delay\*) or (prescription N5 delay\*)

- S107 TI ( pharmacy or pharmacies or pharmacist or prescribing ) or AB ( electronic prescribing or prescribing practice or e-prescribing or electronic prescription )
- S106 (MH "Prescriptions, Drug")
- S105 (MH "Insurance, Pharmaceutical Services")
- S104 (MH "Pharmacy, Retail") OR (MH "Clinical Pharmacy Information Systems") OR (MH "Pharmacy Administration")
- S103 (MH "Pharmacy Service")
- S102 S100 and S101
- S101 TI ( improv\* or impact or care or effective or drug therapy or healthcare or medication therapy or prescription or prescribing or pharmacy service or quality ) or MW ( improv\* or impact or care or effective or drug therapy or healthcare or medication therapy or prescription or prescribing or pharmacy service or quality )
- S100 (MH "Patient Compliance")
- S99 (MH "Telehealth+")
- S98 S96 and S97



- S97 TI ( (impact or improv\* or change or changing or effect\* or quality) ) or MW ( (impact or improv\* or change or changing or effect\* or quality) )
- S96 TI ( (e-health\* or e-medicine or e-practice or e-practition\* or Tele-diagnos\* or tele-consult\* or tele-health\* or tele-medicine or telemedicine or telehealth\* or telemedicine or tele-medicine or telemonitoring or tele-monitoring or telerehab\* or tele-rehab\* or telepsychiatr\* or tele-psychiatr\* ) ) or AB ( (e-health\* or e-medicine or e-practice or e-practition\* or Tele-diagnos\* or tele-consult\* or tele-health\* or tele-medicine or telemedicine or telehealth\* or telemedicine or tele-medicine or telemonitoring or tele-monitoring or telerehab\* or tele-rehab\* or telepsychiatr\* or tele-psychiatr\* ) )
- S95 AB ("length of stay" N2 reduc\*) or ("length of stay" N2 shorten\*) or ("length of stay" N2 minimi\*) or ("length of stay" N2 improv\*) or (readmission N2 reduc\*) or (readmission N2 shorten\*) or (readmission N2 minimi\*) or (readmission N2 improv\*) or (readmit N2 reduc\*) or (readmit N2 shorten\*) or (readmit N2 minimi\*) or (readmit N2 improv\*) or (patient N2 transfer\* N2 reduc\*) or (patient N2 transfer\* N2 shorten\*) or (patient N2 transfer\* N2 minimi\*) or (patient N2 transfer\* N2 improv\*) or (patient N2 handoff N2 reduc\*) or (patient N2 handoff N2 shorten) or (patient N2 handoff N2 minimi\*) or (patient N2 handoff N2 improv\*)
- S94 TI discharge plan\* OR "length of stay" or (hospital N3 discharg\*) or (patient N3 discharg\*) or readmission or readmit\*
- S93 (MM "Readmission")
- S92 (MM "Patient Admission")
- S91 (MM "Length of Stay")
- S90 (MM "Patient Discharge+")
- S89 (MM "Discharge Planning")

S88 TI ( (barrier N3 adopt\*) or (barrier N3 implement\*) or (improv\* N3 adopt\*) or (improv\* N3 implement\*) or (increas\* N3 adopt\*) or (increas\* N3 implement\*) or (promot\* N3 adopt\*) or (promot\* N3 implement\*) ) or AB ( (barrier N3 adopt\*) or (barrier N3 implement\*) or (improv\* N3 adopt\*) or (improv\* N3 implement\*) or (increas\* N3 adopt\*) or (increas\* N3 implement\*) or (promot\* N3 adopt\*) or (promot\* N3 implement\*) )

S87 TI ((barrier or improve or improving or increase or increasing or insurance or insurer or intervention or optim\* or promot\* or sub-optimal\*) and (medication adherence or patient adherence or patient compliance))

S86 AB (barrier N4 medication adherence) or (improve N4 medication adherence) or (improving N4 medication adherence) or (increase N4 medication adherence) or (increasing N4 medication adherence) or (insurance N4 medication adherence) or (insurer N4 medication adherence) or (intervention N4 medication adherence) or (optim\* N4 medication adherence) or (promot\* N4 medication adherence) or (sub-optimal\* N4 medication adherence) or (barrier N4 patient adherence) or (improve N4 patient adherence) or (improving N4 patient adherence) or (increase N4 patient adherence) or (increasing N4 patient adherence) or (insurance N4 patient adherence) or (insurer N4 patient adherence) or (intervention N4 patient adherence) or (optim\* N4 patient adherence) or (promot\* N4 patient adherence) or (sub-optimal\* N4 patient adherence) or (barrier N4 patient compliance) or (improve N4 patient compliance) or (improving N4 patient compliance) or (increase N4 patient compliance) or (increasing N4 patient compliance) or (insurance N4 patient compliance) or (insurer N4 patient compliance) or (intervention N4 patient compliance) or (optim\* N4 patient compliance) or (promot\* N4 patient compliance) or (sub-optimal\* N4 patient compliance)

S85 TI quality improvement or AB quality improvement

S84 TI ( (performance\* N2 pay\*) or (P4P or "pay for quality improvement?" or P4QI or "fee-for service?" or "payment by result" or capitated or capitation) or (payment N2 mix) or (payment N2 mixed) or (fee N2 mix) or (fee N2 mixed) or (fees N2 mix) or ( fees N2 mixed) ) or AB ( (performance\* N2 pay\*) or (P4P or "pay for quality improvement?" or P4QI or "fee-for service?" or "payment by result" or capitated or capitation) or (payment N2 mix) or (payment N2 mixed) or (fee N2 mix) or (fee N2 mixed) or (fees N2 mix) or ( fees N2 mixed) )

S83 TI ( (individuali\* N2 care) or (individuali\* N2 healthcare) or (individuali\* N2 medical care) or (integrated N2 care) or (integrated N2 healthcare) or (integrated N2 medical care) or patient-centred or patient-centered or patient-control\* ) or AB ( (individuali\* N2 care) or (individuali\* N2 healthcare) or (individuali\* N2 medical care) or (integrated N2 care) or (integrated N2 healthcare) or (integrated N2 medical care) or patient-centred or patient-centered or patient-control\* )

S82 TI ( (community and (care or health or healthcare or program\* or practice or physician or project or doctor or nurse or nursing)) ) or AB ( (community N2 care) or (community N2 health) or (community N2 healthcare) or (community N2 project) or (community N2 program\*) or (community N2 practice) or (community N2 physician) or (community N2 pharmacy) or (community N2 pharmacies) or (community N2 pharmacist) or (community N2 doctor) or (community N2 nurse) or (community N2 nursing) ) or TI "community-based"

S81 TI ( lay health\* worker or community health\* worker ) or AB ( lay health\* worker or community health\* worker )

- S80 TI ( self-monitor\* or self-care or self-manag\* or home-based or home-managed ) or AB ( self-monitor\* or self-care or self-manag\* or home-based or home-managed )
- S79 TI ( guideline adherence or guideline implement\* or guideline concordance ) or AB ( guideline adherence or guideline implement\* or guideline concordance )
- S78 (MH "Guideline Adherence")
- S77 TI ( health 20 or healthcare 20 or health care 20 or web 20 ) or AB ( health 20 or healthcare 20 or health care 20 or web 20 )
- S76 TI ( blog\* or wiki\* or PDA or "palm pilot" or blackberr\* or Twitter or tweet or tweeting or facebook or social networking or social marketing or youtube ) or AB ( blog\* or wiki\* or PDA or "palm pilot" or blackberr\* or Twitter or tweet or tweeting or facebook or social networking or social marketing or youtube )
- S75 TI skill N2 acquisition or AB skill N2 acquisition
- S74 TI ( education\* or teaching or learning ) or MW ( education\* or teaching or learning ) and TI simulat\*
- S73 TI ( (virtual reality or VR Training or VR simulat\* or (simulat\* N2 skill)) ) or AB ( (virtual reality or VR Training or VR simulat\* or (simulat\* N2 skill)) )
- S72 TI ( (continuing N2 education\*) or ("on the job" N2 education\*) or ("off the job" N2 education\*) or (postgrad\* N2 education\*) or (post-grad\* N2 education\*) or (resident\* N2 education\*) or (intern N2 education\*) or (internship N2 education\*) or (workplace N2 education) or (continuing N2 training) or ("on the job" N2 training) or ("off the job" N2 training) or (postgrad\* N2 training) or (post-grad\* N2 training) or (resident\* N2 training) or (intern N2 training) or (internship N2 training) or (workplace N2 training) or (skill education) or (skill training) ) or AB ( (continuing N2 education\*) or ("on the job" N2 education\*) or ("off the job" N2 education\*) or (postgrad\* N2 education\*) or (post-grad\* N2 education\*) or (resident\* N2 education\*) or (intern N2 education\*) or (internship N2 education\*) or (workplace N2 education) or (continuing N2 training) or ("on the job" N2 training) or ("off the job" N2 training) or (postgrad\* N2 training) or (post-grad\* N2 training) or (resident\* N2 training) or (intern N2

training) or (internship N2 training) or (workplace N2 training) or (skill education) or (skill training) )

S71 S69 and S70

S70 (MH "Education, Continuing")

S69 T1 ( improv\* or impact or care or effective or drug therapy or healthcare or medication therapy or prescription or prescribing or pharmacy service or quality ) or MW ( improv\* or impact or care or effective or drug therapy or healthcare or medication therapy or prescription or prescribing or pharmacy service or quality )

S68 T1 ( (nurse N2 initiat\*) or (physician N2 initiat\*) or (pharmacist N2 initiat\*) or (provider N2 initiat\*) ) or AB ( (nurse N2 initiat\*) or (physician N2 initiat\*) or (pharmacist N2 initiat\*) or (provider N2 initiat\*) )

S67 S57 and S66

S66 S60 or S61 or S62 or S63 or S64 or S65

S65 (MH "Physicians")

S64 (MH "Pharmacists")

S63 (MH "Staff Nurses")

S62 (MH "Nurses+")

S61 (MH "Medical Staff+")

S60 (MH "Health Personnel") OR (MH "Allied Health Personnel") OR (MH "Personnel, Health Facility")

S59 S57 and S58

S58 TI ( (nurse or nursing or doctor or physician or practitioner or resident or intern or paramedic\* or emergency or staff or intensive care or primary care or primary medical care or primary health care or primary patient care or general practice\* or general practitioner or family practice or family practitioner) ) or MW ( (nurse or nursing or doctor or physician or practitioner or resident or intern or paramedic\* or emergency or staff or intensive care or primary care or primary medical care or primary health care or primary patient care or general practice\* or general practitioner or family practice or family practitioner) )

S57 TI ( (dual N2 role) or (enhanced N2 role) or (extend\* N2 role) ) or AB ( (dual N2 role) or (enhanced N2 role) or (extend\* N2 role) )

S56 TI ( (Referral and (primary care or primary medical care or primary health care or primary patient care or specialist or general practitioner or change or changing or improv\* or impact or effect\* or reduce or reducing or increase or increasing or optimi?e or optimal or quality or healthcare or patient care or intensive care or emergency or chronic or management or administration)) ) or MW ( (Referral and (primary care or primary medical care or primary health care or primary patient care or specialist or general practitioner or change or changing or improv\* or impact or effect\* or reduce or reducing or increase or increasing or optimi?e or optimal or quality or healthcare or patient care or intensive care or emergency or chronic or management or administration)) )

S55 AB referral

S54 TI referral

S53	(MH "Remote Consultation")
S52	(MH "Referral and Consultation")
S51	AB (doctor N2 role) or (pharmacist N2 role) or (physician N2 role)
S50	TI primary care or primary medical care or primary health care or primary patient care or general practitioner or general practice or family practice or family practitioner or nurse-practitioner or family physician or physician assistant
S49	S47 and S48
S48	S45 or S46
S47	S43 or S44
S46	MW (change or changing or improv* or impact or effect* or reduce or reducing or increase or increasing or otimi?e or optimal or quality or healthcare or patient care or intensive care or emergency or chronic or management or administration)
S45	TI (change or changing or improv* or impact or effect* or reduce or reducing or increase or increasing or otimi?e or optimal or quality or healthcare or patient care or intensive care or emergency or chronic or management or administration)
S44	(MH "Prescribing Patterns")



- S43 (MH "Practice Patterns")
- S42 T1 (nurse or nurses) AND substitut\*
- S41 T1 ( practice pattern or (change N2 practice) or (changing N2 practice) ) or AB ( practice pattern or (change N2 practice) or (changing N2 practice) )
- S40 T1 (nurse N4 substitut\*) or AB (nurse N4 substitut\*)
- S39 T1 ( (clinician N2 behavio?r) or (doctor N2 behavio?r) or (nurse N2 behavio?r) or (pharmacist N2 behavio?r) or (physician N2 behavio?r) or (practitioner N2 behavio?r) ) or AB ( (doctor N2 behavio?r) or (nurse N2 behavio?r) or (pharmacist N2 behavio?r) or (physician N2 behavio?r) or (practitioner N2 behavio?r) )
- S38 T1 reminder or AB reminder
- S37 (MH "Reminder Systems")
- S36 T1 ( "audit and feedback" or (feedback N2 prompt\*) or physician feedback or doctor feedback or practitioner feedback or nurse feedback or provider feedback ) or AB ( "audit and feedback" or (feedback N2 prompt\*) or physician feedback or doctor feedback or practitioner feedback or nurse feedback or provider feedback )
- S35 T1 ( academic detailing or e-detailing or (opinion N2 leader) ) or AB ( academic detailing or e-detailing or (opinion N2 leader) )

- S34 TI ( (leaflet\* or pamphlet\* or "written information") ) or AB ( (leaflet\* or pamphlet\* or "written information") )
- S33 TI ( (doctor-driven or doctor-led or nurse-led or nurse-driven or pharmacist-led or pharmacist-driven or physician-led or physician-driven) ) or AB ( (doctor-driven or doctor-led or nurse-led or nurse-driven or pharmacist-led or pharmacist-driven or physician-led or physician-driven). )
- S32 TI ( (interdisciplinary N1 research) or (collaborative N1 research) or (collaborative N2 care) or (multidisciplinary N2 care) or (interdisciplinary N2 care) OR (collaborative N2 unit) or (multidisciplinary N2 unit) or (interdisciplinary N2 unit) ) or AB ( (interdisciplinary N1 research) or (collaborative N1 research) or (collaborative N2 care) or (multidisciplinary N2 care) or (interdisciplinary N2 care) OR (collaborative N2 unit) or (multidisciplinary N2 unit) or (interdisciplinary N2 unit) )
- S31 TI ( (collaborative or interdisciplin\* or inter-disciplin\* or multidisciplin\* or multi-disciplin\* or team or team-based or skill-mix) ) or AB ( (collaborative or interdisciplin\* or inter-disciplin\* or multidisciplin\* or multi-disciplin\* or team or team-based or skill-mix) )
- S30 TI ( (change N2 barrier) or (change N2 facilitat\*) ) or AB ( (change N2 barrier) or (change N2 facilitat\*) )
- S29 TI ( (evidence N3 gap) or (identify N3 gap) or (identified N3 gap) or (practice N3 gap) ) or AB ( (evidence N3 gap) or (identify N3 gap) or (identified N3 gap) or (practice N3 gap) )
- S28 TI ( (computer-tailored N2 feedback) or (individuali?ing N2 feedback) or( individuali?ed N2 feedback) or (personali?e N2 feedback) or (personali?ing N2 feedback) or (tailor\* N2 feedback) OR (computer-tailored N2 intervention) or (individuali?ing N2 intervention) or( individuali?ed N2 intervention) or (personali?e N2 intervention) or (personali?ing N2 intervention) or (tailor\* N2 intervention) OR (computer-tailored N2 information) or (individuali?ing N2 information) or( individuali?ed N2 information) or (personali?e N2 information) or (personali?ing N2 information) or (tailor\* N2 information) OR (computer-tailored N2 plan) or (individuali?ing N2 plan) or( individuali?ed N2 plan) or (personali?e N2 plan) or (personali?ing N2 plan) or (tailor\* N2 plan) ) or AB ( (computer-tailored N2 feedback) or (individuali?ing N2 feedback) or( individuali?ed N2 feedback) or (personali?e N2 feedback) or (personali?ing N2 feedback) or (tailor\* N2 feedback) OR (computer-tailored N2 intervention) or (individuali?ing N2 intervention) or( individuali?ed N2 intervention) or (personali?e N2 intervention) or (personali?ing N2 intervention) or (tailor\* N2 intervention) OR (computer-tailored N2 information) or (individuali?ing N2 information) or( individuali?ed N2 information) or (personali?e N2 information) or (personali?ing N2 information) or (tailor\* N2 information) OR (computer-tailored N2 plan) or (individuali?ing N2 plan) or( individuali?ed N2 plan) or (personali?e N2 plan) or (personali?ing N2 plan) or (tailor\* N2 plan) )
- S27 TI ( (health policy or policy maker or decision maker or (policy N3 evidence)) ) or AB ( (health policy or policy maker or decision maker or (policy N3 evidence)) )

- S26 TI ( (evaluat\* N2 evidence) or (facilitiat\* N2 evidence) or (impact N2 evidence) or (incorporat\* N2 evidence) or (policy N2 evidence) or (practice N2 evidence) or (translat\* N2 evidence) ) or AB ( (evaluat\* N2 evidence) or (facilitiat\* N2 evidence) or (impact N2 evidence) or (incorporat\* N2 evidence) or (policy N2 evidence) or (practice N2 evidence) or (translat\* N2 evidence) )
- S25 TI ( (research N2 action) or (evidence N2 action) ) or AB ( (research N2 action) or (evidence N2 action) )
- S24 TI ( (evidence N3 effectiveness) or (intervention N3 effectiveness) ) or AB ( (evidence N3 effectiveness) or (intervention N3 effectiveness) )
- S23 TI ( (utili?e N2 research) OR (utili?e N2 evidence) or (utili?ing N2 research) OR (utili?ing N2 evidence) OR (implement\* N2 research) or (implement\* N2 evidence) ) or AB ( (utili?e N2 research) OR (utili?e N2 evidence) or (utili?ing N2 research) OR (utili?ing N2 evidence) OR (implement\* N2 research) or (implement\* N2 evidence) )
- S22 TI ( (KT N2 application) or (KT N2 broke\*) or (KT N2 diffus\*) or(KT N2 disseminat\*) or (KT N2 decision\*) or (KT N2 exchang\*) or (KT N2 implement\*) or (KT N2 intervent\*) or (KT N2 mobili\*) or (KT N2 plan\*) or (KT N2 policy) or (KT N2 policies) or (KT N2 strateg\*) or (KT N2 translat\*) or (KT N2 transfer\*) or (KT N2 uptake) or (KT N2 utili\*) ) or AB ( (KT N2 application) or (KT N2 broke\*) or (KT N2 diffus\*) or(KT N2 disseminat\*) or (KT N2 decision\*) or (KT N2 exchang\*) or (KT N2 implement\*) or (KT N2 intervent\*) or (KT N2 mobili\*) or (KT N2 plan\*) or (KT N2 policy) or (KT N2 policies) or (KT N2 strateg\*) or (KT N2 translat\*) or (KT N2 transfer\*) or (KT N2 uptake) or (KT N2 utili\*) )
- S21 TI ( (knowledge N2 application) or (knowledge N2 broke\*) or (knowledge N2 creation) or (knowledge N2 diffus\*) or(knowledge N2 disseminat\*) or (knowledge N2 exchang\*) or (knowledge N2 implement\*) or (knowledge N2 management) or (knowledge N2 mobili\*) or (knowledge N2 translat\*) or (knowledge N2 transfer\*) or (knowledge N2 uptake) or (knowledge N2 utili\*) or (evidence\* N2 exchang\*) or (evidence\* N2 translat\*) or (evidence\* N2 transfer\*) ) or AB ( (knowledge N2 application) or (knowledge N2 broke\*) or (knowledge N2 creation) or (knowledge N2 diffus\*) or(knowledge N2 disseminat\*) or (knowledge N2 exchang\*) or (knowledge N2 implement\*) or (knowledge N2 management) or (knowledge N2 mobili\*) or (knowledge N2 translat\*) or (knowledge N2 transfer\*) or (knowledge N2 uptake) or (knowledge N2 utili\*) or (evidence\* N2 exchang\*) or (evidence\* N2 translat\*) or (evidence\* N2 transfer\*) )
- S20 TI ( (information N2 uptake) or (evidence N2 uptake) ) or AB ( (information N2 uptake) or (evidence N2 uptake) )
- S19 TI recommended practice or AB recommended practice
- S18 AB ( (effectiv\* N2 care unit) or (effectiv\* N2 critical care) or (effectiv\* N2 patient-care) or (effectiv\* N2 decision\*) or (effectiv\* N2 doctor) or (effectiv\* N2 family practice) or (effectiv\* N2 implement\*) or

(effectiv\* N2 health care) or (effectiv\* N2 healthcare) or (effectiv\* N2 intensive care) or (effectiv\* N2 initiative) or (effectiv\* N2 management) or (effectiv\* N2 general practi?e) or (effectiv\* N2 practitioner) or (effectiv\* N2 provider ) or (effectiv\* N2 primary care) or (effectiv\* N2 primary medical care) or (effectiv\* N2 primary health care) or (effectiv\* N2 primary patient care) or (effectiv\* N2 hospital unit) or (effectiv\* N2 hospital units) or (effectiv\* N2 ward) or (effectiv\* N2 wards) ) or AB ( (improve\* N2 care unit) or (improve\* N2 critical care) or (improve\* N2 patient-care) or (improve\* N2 decision\*) or (improve\* N2 doctor) or (improve\* N2 family practice) or (improve\* N2 implement\*) or (improve\* N2 health care) or (improve\* N2 healthcare) or (improve\* N2 intensive care) or (improve\* N2 initiative) or (improve\* N2 management) or (improve\* N2 general practi?e) or (improve\* N2 practitioner) or (improve\* N2 provider ) or (improve\* N2 primary care) or (improve\* N2 primary medical care) or (improve\* N2 primary health care) or (improve\* N2 primary patient care) or (improve\* N2 hospital unit) or (improve\* N2 hospital units) or (improve\* N2 ward) or (improve\* N2 wards) )

S17 TI ( (effectiv\* N3 adheren\*) or (effectiv\* N3 care) or (effectiv\* N3 clinician) or (effectiv\* N3 decision\*) or (effectiv\* N3 doctor) or (effectiv\* N3 implement\*) or (effectiv\* N3 health care) or (effectiv\* N3 healthcare) or (effectiv\* N3 initiative) or (effectiv\* N3 inpatient) or (effectiv\* N3 management) or (effectiv\* N3 multifacet\*) or (effectiv\* N3 multi-facet\*) or (effectiv\* N3 multi-component) or (effectiv\* N3 nurse) or (effectiv\* N3 out-patient) or (effectiv\* N3 patient-led) or (effectiv\* N3 patient-based) or (effectiv\* N3 pharmacy) or (effectiv\* N3 pharmacies) or (effectiv\* N3 pharmacist) or (effectiv\* N3 physician) or (effectiv\* N3 population health) or (effectiv\* N3 practi?e) or (effectiv\* N3 practitioner) or (effectiv\* N3 prescrib\*) or (effectiv\* N3 prescription) or(effectiv\* N3 preventiv\*) or (effectiv\* N3 preventativ\*) or (effectiv\* N3 professional) or (effectiv\* N3 program) or (effectiv\* N3 programme) or (effectiv\* N3 provider) or (effectiv\* N3 public health) or (effectiv\* N3 unit) or (effectiv\* N3 units) or (effectiv\* N3 ward) or (effectiv\* N3 wards) ) or TI ( (improv\* N3 adheren\*) or (improv\* N3 care) or (improv\* N3 clinician) or (improv\* N3 decision\*) or (improv\* N3 doctor) or (improv\* N3 implement\*) or (improv\* N3 health care) or (improv\* N3 healthcare) or (improv\* N3 initiative) or (improv\* N3 inpatient) or (improv\* N3 management) or (improv\* N3 multifacet\*) or (improv\* N3 multi-facet\*) or (improv\* N3 multi-component) or (improv\* N3 nurse) or (improv\* N3 out-patient) or (improv\* N3 patient-led) or (improv\* N3 patient-based) or (improv\* N3 pharmacy) or (improv\* N3 pharmacies) or (improv\* N3 pharmacist) or (improv\* N3 physician) or (improv\* N3 population health) or (improv\* N3 practi?e) or (improv\* N3 practitioner) or (improv\* N3 prescrib\*) or (improv\* N3 prescription) or(improv\* N3 preventiv\*) or (improv\* N3 preventativ\*) or (improv\* N3 professional) or (improv\* N3 program) or (improv\* N3 programme) or (improv\* N3 provider) or (improv\* N3 public health) or (improv\* N3 unit) or (improv\* N3 units) or (improv\* N3 ward) or (improv\* N3 wards) )

S16 TI ( (effectiv\*N3 adheren\*) or (effectiv\*N3 care) or (effectiv\*N3 clinician) or (effectiv\*N3 decision\*) or (effectiv\*N3 doctor) or (effectiv\*N3 implement\*) or (effectiv\*N3 health care) or (effectiv\*N3 healthcare) or (effectiv\*N3 initiative) or (effectiv\*N3 inpatient) or (effectiv\*N3 management) or (effectiv\*N3 multifacet\*) or (effectiv\*N3 multi-facet\*) or (effectiv\*N3 multi-component) or (effectiv\*N3 nurse) or (effectiv\*N3 out-patient) or (effectiv\*N3 patient-led) or (effectiv\*N3 patient-based) or (effectiv\*N3 pharmacy) or (effectiv\*N3 pharmacies) or (effectiv\*N3 pharmacist) or (effectiv\*N3 physician) or (effectiv\*N3 population health) or (effectiv\*N3 practi?e) or (effectiv\*N3 practitioner) or (effectiv\*N3 prescrib\*) or (effectiv\*N3 prescription) or(effectiv\*N3 preventiv\*) or (effectiv\*N3 preventativ\*) or (effectiv\*N3 professional) or (effectiv\*N3 program) or (effectiv\*N3 programme) or (effectiv\*N3 provider) or (effectiv\*N3 public health) or (effectiv\*N3 unit) or (effectiv\*N3 units) or (effectiv\*N3 ward) or (effectiv\*N3 wards) ) or TI ( (improv\*N3 adheren\*) or (improv\*N3 care) or (improv\*N3 clinician) or (improv\*N3 decision\*) or (improv\*N3 doctor) or (improv\*N3 implement\*) or (improv\*N3 health care) or (improv\*N3 healthcare) or (improv\*N3 initiative) or (improv\*N3 inpatient) or (improv\*N3 management) or (improv\*N3 multifacet\*) or (improv\*N3 multi-facet\*) or (improv\*N3 multi-component) or (improv\*N3 nurse) or (improv\*N3 out-patient) or (improv\*N3 patient-led) or (improv\*N3 patient-based) or (improv\*N3 pharmacy) or (improv\*N3 pharmacies) or (improv\*N3 pharmacist) or (improv\*N3 physician) or (improv\*N3 population health) or (improv\*N3 practi?e) or (improv\*N3 practitioner) or (improv\*N3 prescrib\*) or (improv\*N3 prescription) or(improv\*N3 preventiv\*) or (improv\*N3 preventativ\*) or (improv\*N3 professional) or (improv\*N3 program) or (improv\*N3 programme) or (improv\*N3 provider) or (improv\*N3 public health) or (improv\*N3 unit) or (improv\*N3 units) or (improv\*N3 ward) or (improv\*N3 wards) )

S15 (MH "Health Care Delivery")

- S14 AB "practice-based" or TI "practice-based"
- S13 AB ( ((evidence N4 intervention) OR (evidence-based N4 intervention) OR evidence-driven) ) or TI ( ((evidence N4 intervention) OR (evidence-based N4 intervention) OR evidence-driven) )
- S12 AB ( (computeri\* N2 order N2 system)or (doctor N2 order N2 system)or (medical N2 order N2 system)or (nurse N2 order N2 system)or (nursing N2 order N2 system)or (physician N2 order N2 system)or (practitioner N2 order N2 system)or (provider N2 order N2 system)or (medication N2 order N2 system) or (pharmacist N2 order N2 system)or (pharmacy N2 order N2 system)or (prescription N2 order N2 system)or (prescribe\* N2 order N2 system) or (computeri\* N2 order N2 entry)or (doctor N2 order N2 entry)or (medical N2 order N2 entry)or (nurse N2 order N2 entry)or (nursing N2 order N2 entry)or (physician N2 order N2 entry)or (practitioner N2 order N2 entry)or (provider N2 order N2 entry)or (medication N2 order N2 entry) or (pharmacist N2 order N2 entry)or (pharmacy N2 order N2 system) or (prescription N2 order N2 entry)or (prescribe\* N2 order N2 entry) ) or TI ( (computeri\* N2 order N2 system)or (doctor N2 order N2 system)or (medical N2 order N2 system)or (nurse N2 order N2 system)or (nursing N2 order N2 system)or (physician N2 order N2 system)or (practitioner N2 order N2 system)or (provider N2 order N2 system)or (medication N2 order N2 system) or (pharmacist N2 order N2 system)or (pharmacy N2 order N2 system)or (prescription N2 order N2 system)or (prescribe\* N2 order N2 system) or (computeri\* N2 order N2 entry)or (doctor N2 order N2 entry)or (medical N2 order N2 entry)or (nurse N2 order N2 entry)or (nursing N2 order N2 entry)or (physician N2 order N2 entry)or (practitioner N2 order N2 entry)or (provider N2 order N2 entry)or (medication N2 order N2 entry) or (pharmacist N2 order N2 entry)or (pharmacy N2 order N2 system) or (prescription N2 order N2 entry)or (prescribe\* N2 order N2 entry) )
- S11 AB (order entry N2 prescription) or (order entry N2 physician) or (order entry N2 doctor) or (order entry N2 provider) or (order entry N2 nurse) or (order entry N2 nursing) or (order entry N2 computer\*) or (order entry N2 system) or (order entry N2 process\*)
- S10 TI (order entry)
- S9 S7 and S8
- S8 S4 or S5 or S6
- S7 TI (intervention or improv\* or effectiv\* or "patient care" or quality or implement\*)

S6 (MH "Medical Records+")

S5 (MH "Medical Orders")

S4 (MH "Electronic Order Entry")

S3 T1 (integrating or integration)

S2 AB (intervention N3 clinician) or (intervention N3 collaborat\*) or (intervention N3 community) or (intervention N3 complex) or (intervention N3 educational) or (intervention N3 doctor) or (intervention N3 financial) or (intervention N3 hospital) or (intervention N3 impact) or (intervention N3 individuali?e) or (intervention N3 individuali?ing) or (intervention N3 interdisciplin\*) or (intervention N3 multi-component) or (intervention N3 multi-disciplin\*) or (intervention N3 multidisciplin\*) or (intervention N3 multifacet\*) or (intervention N3 multi-facet\*) or (intervention N3 organi?ation\*) or (intervention N3 personali?e) or (intervention N3 personali?ing) or (intervention N3 pharmacist) or (intervention N3 pharmacy) or (intervention N3 pharmacies) or (intervention N3 physician) or (intervention N3 practitioner) or (intervention N3 prescrib\*) or (intervention N3 prescription) or (intervention N3 professional\*) or (intervention N3 provider) or (intervention N3 regulatory) or (intervention N3 structured) or (intervention N3 tailor\*) or (intervention N3 target\*) or (intervention N3 team\*)

S1 T1 (intervention N3 clinic) or (intervention N3 clinician) or (intervention N3 collaborat\*) or (intervention N3 community) or (intervention N3 complex) or (intervention N3 education\*) or (intervention N3 effect\*) or (intervention N3 financial) or (intervention N3 hospital) or (intervention N3 impact) or (intervention N3 improv\*) or (intervention N3 individuali?e) or (intervention N3 individuali?ing) or (intervention N3 inpatient) or (intervention N3 interdisciplin\*) or (intervention N3 multi-component) or (intervention N3 multi-disciplin\*) or (intervention N3 multidisciplin\*) or (intervention N3 multifacet\*) or (intervention N3 multi-facet\*) or (intervention N3 nurse) or (intervention N3 nursing) or (intervention N3 organi?ation\*) or (intervention N3 out-patient) or (intervention N3 personali?e) or (intervention N3 personali?ing) or (intervention N3 pharmacist) or (intervention N3 pharmacy) or (intervention N3 pharmacies) or (intervention N3 physician) or (intervention N3 practitioner) or (intervention N3 prescrib\*) or (intervention N3 prescription) or (intervention N3 professional\*) or (intervention N3 provider) or (intervention N3 regulatory) or (intervention N3 structured) or (intervention N3 tailor\*) or (intervention N3 target\*) or (intervention N3 team\*)