APPENDIX

Appendix Table S1: List of search strings

Database: Ovid MEDLINE(R) ALL <1946 to May 14, 2020>
Search Strategy:

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1. impact?bility.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (9)
2. ’propensity to succeed’.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (6)
3. interven?bility.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (3)
4. case finding.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (4937)
5. casefinding.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (86)
6. Patient selection.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (83162)
7. Patient Selection/ (64332)
8. target* patient*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (2387)

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9  (target* adj2 segment*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (947)
10  case selection.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (1810)
11  risk stratif*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (32437)
12  (predict* adj3 risk factor*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (7856)
13  risk factors/ (815581)
14  protective factor*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (21359)
15  protective factors/ (4040)
16  (risk adj2 population*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (34671)
17  susceptible population?.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (2135)
18  Vulnerable Populations/ (10281)
19  (risk adj2 analy*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (26586)
20  risk assess*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (298996)

2
21 Risk Assessment/mt, sn [Methods, Statistics & Numerical Data] (33887)
22 risk segment*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (101)
23 Health Status Indicators/ (23314)
24 (characterist* adj4 respon*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (19693)
25 (characterist* adj3 nonrespon*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (118)
26 (care adj3 sensitiv*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (2767)
27 (receptiv* adj3 care).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (60)
28 (Likel* adj2 benefit*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (9537)
29 (Likel* adj2 accept*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (1021)
30 (Likel* adj2 respon*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (9788)
31 (Likel* adj2 succe*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (3232)
32 (Likel* adj2 prevent*).mp. [mp=title, abstract, original title, name of substance word, subject heading word,
floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (1163)
33 (Predict* adj2 benefit*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (2225)
34 (Predict* adj2 accept*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (1508)
35 Predict* responder*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (192)
36 (Predict* adj2 succes*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (13782)
37 (Probab* adj2 benefit*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (801)
38 (Probab* adj2 accept*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (488)
39 (Probab* adj2 response*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (6492)
40 (Probab* adj2 succes*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (2744)
41 (Probab* adj2 prevent*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (1058)
42 (propensity adj2 benefit*).mp. [mp=title, abstract, original title, name of substance word, subject heading word,

floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (14)

43 (propensity adj2 accept*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (19)

44 (propensity adj2 respond*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (57)

45 (propensity adj2 succe*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (41)

46 (propensity adj2 prevent*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (21)

47 (Potential* adj2 benefit*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (38647)

48 (Potential* adj2 accept*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (1341)

49 (Potential* adj2 respon*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (11907)

50 (Potential* adj2 succe*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (2061)

51 (Potential* adj2 prevent*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (13813)

52 (Model* adj2 benefit*).mp. [mp=title, abstract, original title, name of substance word, subject heading word,
floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (1163)
53 (Model* adj2 accept*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (4006)
54 (Model* adj2 responder*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (71)
55 (Model* adj2 prevent*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (2359)
56 "Patient acceptance of health care"/ (46068)
57 (predict* adj3 model*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (118731)
58 Adverse Outcome Pathways/ (83)
59 Markov Chains/ (14167)
60 logistic* model*.mp. (143517)
61 logistic models/ (137961)
62 population model*.mp. (3652)
63 Patient-Specific Modeling/ (969)
64 patient specific model*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (1904)
65 ambulatory care sensitive condition?.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (561)
66 Hospitalization/ (105786)
67 Patient Admission/ (24023)
68 Patient Readmission/ (16915)
69  preventive medicine.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (16812)
70  Preventive Medicine/ (11679)
71  preventive health*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (17200)
72  Primary Prevention/ (18315)
73  secondary prevention/ (20153)
74  (early adj3 intervention*).mp. (37091)
75  Early Medical Intervention/ (2939)
76  Target* health*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (1545)
77  Target* healthcare.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (160)
78  (Target* adj3 care*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (4252)
79  (prevent* adj3 intervention*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (40728)
80  (care adj3 management).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (26779)
81  population health*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (12278)
82  Population Health/ (792)
Decision Support Systems, Clinical/ (7841)
Health Policy/ (65651)
Health* management.mp. [mp=title, abstract, original title, name of substance word, subject heading word,
floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (6159)
System? management.mp. [mp=title, abstract, original title, name of substance word, subject heading word,
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Patient care management/ (4035)
Public Health/mt, og, sn [Methods, Organization & Administration, Statistics & Numerical Data] (5126)
public health*.mp. (319968)
public health administration/ (15359)
health service? management.mp. [mp=title, abstract, original title, name of substance word, subject heading word,
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Models, Organizational/ (18878)
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"Delivery of Health Care"/ (89529)
"Delivery of Health Care, Integrated"/ (12500)
Managed Care Programs/ (24211)
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word, rare disease supplementary concept word, unique identifier, synonyms] (1229)
100 amen?bility.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating
sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare
disease supplementary concept word, unique identifier, synonyms] (1110)
101 1 or 2 or 3 (18)
Annotation: Impactibility
102 4 or 5 (5020)
Annotation: Case finding
103 6 or 7 or 8 or 9 or 10 (88016)
Annotation: Patient selection
104 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 (1128808)
105 24 or 25 (19768)
Annotation: Characteristic response
106 26 or 27 (2827)
Annotation: Care sensitivity
107 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46
or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 (172438)
Annotation: Likeli to benefit
108 57 or 58 or 59 or 60 or 61 or 62 or 63 or 64 (275227)
109 65 or 66 or 67 or 68 or 69 or 70 or 71 or 72 or 73 or 74 or 75 or 76 or 77 or 78 (251550)
Annotation: Preventive healthcare
110 80 or 81 or 82 or 83 or 84 or 85 or 86 or 87 or 88 or 89 or 90 or 91 or 92 or 93 or 94 or 95 or 96 or 97 or 98
or 99 (614599)
Annotation: Population health management
111 109 and 110 (25971)
Annotation: Preventive health and population health management
112 109 or 110 (840178)
Annotation: Preventive healthcare or population health management
113 100 and 112 (27)
114 107 or 108 (439630)
102 and 114 (325)
111 and 115 (7)
103 and 114 (5324)
111 and 117 (35)
104 and 107 and 108 and 111 (26)
105 and 114 (975)
112 and 120 (84)
106 and 114 (278)
111 and 122 (39)
102 and 112 and 114 (102)
101 or 113 or 124 or 118 or 119 or 121 or 123 (329)

Database: HMIC Health Management Information Consortium <1979 to March 2020>

Search Strategy:

1  impact?bility.mp. [mp=title, other title, abstract, heading words] (1)
2  'propensity to succeed'.mp. [mp=title, other title, abstract, heading words] (0)
3  interven?bility.mp. [mp=title, other title, abstract, heading words] (0)
4  case finding.mp. [mp=title, other title, abstract, heading words] (201)
5  casefinding.mp. [mp=title, other title, abstract, heading words] (3)
6  screening/ (3706)
7  Patient selection.mp. [mp=title, other title, abstract, heading words] (93)
8  Patient selection/ (47)
9  target* patient*.mp. [mp=title, other title, abstract, heading words] (81)
10 (target* adj2 segment*).mp. [mp=title, other title, abstract, heading words] (6)
11  case selection.mp. [mp=title, other title, abstract, heading words] (16)
12 (risk adj2 population*).mp. [mp=title, other title, abstract, heading words] (516)
13  exp "Risk adjusted monitors of outcome"/ (20)
14  exp vulnerability/ (1261)
15  susceptible population*.mp. [mp=title, other title, abstract, heading words] (10)
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(Potential* adj2 benefit*).mp. [mp=title, other title, abstract, heading words] (882)
(Potential* adj2 accept*).mp. [mp=title, other title, abstract, heading words] (23)
(Potential* adj2 respon*).mp. [mp=title, other title, abstract, heading words] (46)
(Potential* adj2 succe*).mp. [mp=title, other title, abstract, heading words] (49)
(Potential* adj2 prevent*).mp. [mp=title, other title, abstract, heading words] (186)
(Model* adj2 benefit*).mp. [mp=title, other title, abstract, heading words] (41)
(Model* adj2 accept*).mp. [mp=title, other title, abstract, heading words] (40)
(Model* adj2 responder*).mp. [mp=title, other title, abstract, heading words] (1)
(Model* adj2 prevent*).mp. [mp=title, other title, abstract, heading words] (75)
(predict* adj3 model*).mp. [mp=title, other title, abstract, heading words] (554)
exp Decision Support Systems/ (218)
logistic* model*.mp. (74)
population model*.mp. (22)
exp Computer aided decision making/ (29)
exp models/ (3243)
patient specific model*.mp. (0)
ambulatory care sensitive condition?.mp. [mp=title, other title, abstract, heading words] (45)
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exp Pre hospital care/ (49)
exp hospital admission/ (3371)
exp Hospitalisation/ (7032)
exp Health impact assessment/ (360)
exp Preventive Medicine/ (21451)
preventive medicine.mp. [mp=title, other title, abstract, heading words] (2305)
exp preventive medicine health services/ (210)
preventive health*.mp. [mp=title, other title, abstract, heading words] (228)
exp Health improvement programmes/ (237)
prevention/ (5896)
(early adj3 intervention*).mp. (749)
early intervention/ (0)
Target* health*.mp. [mp=title, other title, abstract, heading words] (120)
Target* healthcare.mp. [mp=title, other title, abstract, heading words] (12)
(Target* adj3 care*).mp. [mp=title, other title, abstract, heading words] (364)
(prevent* adj3 intervention*).mp. [mp=title, other title, abstract, heading words] (1001)
(care adj3 management).mp. [mp=title, other title, abstract, heading words] (2858)
population health*.mp. [mp=title, other title, abstract, heading words] (1085)
exp care management/ (500)
exph health policy/ (5647)
Health* management.mp. [mp=title, other title, abstract, heading words] (505)
System? management.mp. [mp=title, other title, abstract, heading words] (79)
public health*.mp. (16612)
exp public health/ (11196)
exp Health systems/ (44916)
health service? management.mp. [mp=title, other title, abstract, heading words] (5830)
health care system?.mp. [mp=title, other title, abstract, heading words] (3136)
health* system?.mp. [mp=title, other title, abstract, heading words] (7548)
multidisciplinary service?.mp. [mp=title, other title, abstract, heading words] (555)
integrated service?.mp. [mp=title, other title, abstract, heading words] (329)
amen?bility.mp. [mp=title, other title, abstract, heading words] (2)
1 or 2 or 3 (1)
Annotation: Impactibility
4 or 5 or 6 (3859)
Annotation: Case finding
7 or 8 or 9 or 10 or 11 (195)
Annotation: Patient selection
12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 (8794)
Annotation: Risk stratification
24 or 25 (163)
Annotation: Characteristic response
101  26 or 27 (197)
Annotation: Care sensitivity
102  28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 (1906)
Annotation: Likelihood of benefit
103  56 or 57 or 58 or 59 or 60 or 61 or 62 (4005)
Annotation: Modelling
104  63 or 64 or 65 or 66 or 67 or 68 or 69 or 70 or 71 or 72 or 73 or 74 or 75 or 77 or 78 or 79 or 80 (35800)
Annotation: Preventive health
105  81 or 82 or 83 or 84 or 85 or 86 or 87 or 88 or 90 or 91 or 92 or 93 or 94 (38931)
Annotation: Population health management
106  104 or 105 (69322)
107  104 and 105 (5409)
108  102 or 103 (5838)
109  97 and 108 (119)
110  106 and 109 (38)
111  98 and 108 (8)
112  99 and 108 (313)
113  107 and 112 (6)
114  100 and 108 (9)
115  101 and 108 (17)
116  95 or 96 or 110 or 111 or 113 or 114 or 115 (79)

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Search for: 84 or 96 or 99 or 100 or 102 or 104 or 105

Results: 163
Database: Global Health <1973 to 2020 Week 18>
Search Strategy:

1. impact?bility.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (4)
2. 'propensity to succeed'.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (1)
3. interven?bility.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (0)
4. case finding.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (1946)
5. casefinding.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (5)
6. Patient selection.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (611)
7. target* patient*.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (283)
8. (target* adj2 segment*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (144)
9. case selection.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (88)
10. (risk adj2 population*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (11708)
11. susceptible population*.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (1174)
12. risk stratif*.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (2127)
13. (predict* adj3 risk factor*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (1472)
14. protective factor*.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (6071)
15. exp protective factors/ (279)
16. (risk adj2 analy*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (10280)
17. exp risk analysis/ (58968)
18 risk assess*.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (63092)
19 risk segment*.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (19)
20 (characterist* adj4 respon*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (2195)
21 (characterist* adj3 nonrespon*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (18)
22 (care adj3 sensitiv*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (447)
23 (receptiv* adj3 care).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (10)
24 (Likel* adj2 benefit*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (982)
25 (Likel* adj2 accept*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (281)
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27 (Likel* adj2 succe*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (413)
28 (Likel* adj2 prevent*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (236)
29 (Predict* adj2 benefit*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (138)
30 (Predict* adj2 accept*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (292)
31 Predict* responder*.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (8)
32 (Predict* adj2 succe*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (1054)
33 (Probab* adj2 benefit*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (108)
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49  (Model* adj2 accept*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (500)
50  (Model* adj2 responder*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (5)
51  (Model* adj2 prevent*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (619)
52  (predict* adj3 model*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (16099)
53  logistic* model*.mp. (2180)
54  population model*.mp. (497)
55  patient specific model*.mp. (4)
56  exp mathematical models/ (20591)
57  ambulatory care sensitive condition?.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (133)
58  exp hospital admission/ (7087)
59  exp Preventive Medicine/ (5152)
60  preventive medicine.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (6066)
61  preventive health*.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (1554)
62  prevention/ (24792)
63  (early adj3 intervention*).mp. (4352)
64  early intervention/ (0)
65  Target* health*.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (727)
66  Target* healthcare.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (44)
67  (Target* adj3 care*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (808)
68  (prevent* adj3 intervention*).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers,
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69 (care adj3 management).mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (2707)  
70 population health*.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (4811)  
71 exp health policy/ (21123)  
72 Health* management.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (2399)  
73 System? management.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (295)  
74 public health*.mp. (263888)  
75 exp public health/ (114710)  
76 exp public health services/ (5031)  
77 health service? management.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (79)  
78 health care system?.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (7683)  
79 health* system?.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (22197)  
80 multidisciplinary service?.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (27)  
81 integrated service?.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (314)  
82 amen?bility.mp. [mp=abstract, title, original title, broad terms, heading words, identifiers, cabicodes] (96)  
83 animal*.mp. (2706683)  
84 1 or 2 or 3 (5)  
Annotation: Impactibility  
85 4 or 5 (1950)  
Annotation: Case finding  
86 6 or 7 or 8 or 9 (1121)
Annotation: Patient selection
87  10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 (90642)

Annotation: Risk stratification
88  20 or 21 (2208)

Annotation: Characteristic response
89  22 or 23 (457)

Annotation: Care sensitivity
90  24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or
43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 (16886)

Annotation: Likelihood benefit
91  52 or 53 or 54 or 55 or 56 (35958)

Annotation: Model
92  57 or 58 or 59 or 60 or 61 or 62 or 63 or 65 or 66 or 67 or 68 (56126)

Annotation: Preventive
93  69 or 70 or 71 or 72 or 73 or 74 or 75 or 76 or 77 or 78 or 79 or 80 or 81 (299016)

Annotation: Population
94  92 and 93 (8599)
95  92 or 93 (346543)
96  82 and 95 (15)
97  90 or 91 (52153)
98  85 and 97 (58)
99  95 and 98 (20)
100  86 and 97 (41)
101  87 and 97 (3893)
102  94 and 101 (42)
103  88 and 97 (82)
104  95 and 103 (17)
105  89 and 97 (25)
106  84 or 96 or 99 or 100 or 102 or 104 or 105 (163)
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Search for: 104 or 116 or 118 or 121 or 123 or 125 or 128

Results: 320

Database: Embase Classic+Embase <1947 to 2020 May 14>

Search Strategy:

1. impact?bility.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (12)
2. 'propensity to succeed'.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (7)
3. interven?bility.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (2)
4. case finding.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (8308)
5. casefinding.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (200)
6. case finding/ (4164)
7. Patient selection.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (106833)
8. Patient selection/ (93046)
9. target* patient*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (4078)
10. (target* adj2 segment*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (1381)
11. case selection.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (1381)
manufacturer, device trade name, keyword, floating subheading word, candidate term word] (2699)
12  (risk adj2 population*).mp. [mp=title, abstract, heading word, drug trade name, original title, device
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13  high risk population/ (121003)
14  vulnerable population/ (16512)
15  susceptible population/ (1056)
16  risk stratif*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug
manufacturer, device trade name, keyword, floating subheading word, candidate term word] (58670)
17  (predict* adj3 risk factor*).mp. [mp=title, abstract, heading word, drug trade name, original title, device
manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (12148)
18  risk factor/ (1025885)
19  protective factor*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer,
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20  protection/ (67132)
21  susceptible population*.mp. [mp=title, abstract, heading word, drug trade name, original title, device
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22  risk stratif*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug
manufacturer, device trade name, keyword, floating subheading word, candidate term word] (58670)
23  (risk adj2 analy*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer,
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24  risk assess*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug
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25  risk assessment/ (558053)
26  risk segment*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug
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27  (characterist* adj4 respon*).mp. [mp=title, abstract, heading word, drug trade name, original title, device
manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (26743)
28  (characterist* adj3 nonrespon*).mp. [mp=title, abstract, heading word, drug trade name, original title, device
manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (147)
29  (care adj3 sensitiv*).mp. [mp=title, abstract, heading word, drug trade name, original title, device
manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (3472)
30  (receptive* adj3 care).*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (85)
31  (Likelihood* adj2 benefit*).*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (14595)
32  (Likelihood* adj2 accept*).*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (1390)
33  (Likelihood* adj2 respon*).*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (14021)
34  (Likelihood* adj2 succe*).*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, device trade name, keyword, floating subheading word, candidate term word] (4394)
35  (Likelihood* adj2 prevent*).*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (1613)
36  (Predict* adj2 benefit*).*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (3898)
37  (Predict* adj2 accept*).*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (1966)
38  Predict* responder*.*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (385)
39  (Predict* adj2 succe*).*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (19014)
40  (Probabil* adj2 benefit*).*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (1190)
41  (Probabil* adj2 accept*).*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (648)
42  (Probabil* adj2 respon*).*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (8877)
43  (Probabil* adj2 succe*).*mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (3579)
44  (Probabil* adj2 prevent*).*mp. [mp=title, abstract, heading word, drug trade name, original title, device
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45 (propensity adj2 benefit*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (21)
46 (propensity adj2 accept*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (21)
47 (propensity adj2 respon*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (141)
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50 (Potential* adj2 benefit*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (53571)
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52 (Potential* adj2 respon*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (15605)
53 (Potential* adj2 succ*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (2679)
54 (Potential* adj2 prevent*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (18959)
55 (Model* adj2 benefit*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (1562)
56 (Model* adj2 accept*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (4879)
57 (Model* adj2 responder*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (144)
58 (Model* adj2 prevent*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (3286)
59 (predict* adj3 model*).mp. [mp=title, abstract, heading word, drug trade name, original title, device
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60 adverse outcome pathway/ (358)
61 logistic* model*.mp. (11456)
62 population model*.mp. (10416)
63 information model/ (253)
64 process model/ (8488)
65 population model/ (7092)
66 markov chain/ (5170)
67 patient specific model*.mp. (1434)
68 ambulatory care sensitive condition?.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (687)
69 ambulatory care/ (38902)
70 hospital readmission/ (62928)
71 hospital admission/ (194263)
72 hospitalization/ (376388)
73 hospital utilization/ (2228)
74 Preventive Medicine/ (28102)
75 preventive medicine.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (34859)
76 preventive health*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (33684)
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78 prevention/ (283203)
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80 early intervention/ (24768)
81 Target* health*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (1919)
82 Target* healthcare.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (213)
83 (Target* adj3 care*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer,
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84 (prevent* adj3 intervention*).mp. [mp=title, abstract, heading word, drug trade name, original title, device
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85 (care adj3 management).mp. [mp=title, abstract, heading word, drug trade name, original title, device
manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (62219)
86 population health*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer,
drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (14536)
87 population health management/ (117)
88 health care policy/ (192062)
89 population health/ (2476)
90 Health* management.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer,
drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (7921)
91 System? management.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer,
drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (959)
92 public health*.mp. (457567)
93 public health/ (187251)
94 public health service/ (74031)
95 health service? management.mp. [mp=title, abstract, heading word, drug trade name, original title, device
manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (538)
96 health care system?.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer,
drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (138922)
97 integrated health care system/ (11078)
98 health* system?.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug
manufacturer, device trade name, keyword, floating subheading word, candidate term word] (103788)
99 multidisciplinary service?.mp. [mp=title, abstract, heading word, drug trade name, original title, device
manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (406)
100 integrated service?.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer,
drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (1673)
101 safety net hospital/ (2077)
102 amen?bility.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug
manufacturer, device trade name, keyword, floating subheading word, candidate term word] (1356)
103 animal*.mp. (6389036)
104 1 or 2 or 3 (21)
Annotation: Impactibility
105 4 or 5 or 6 (8461)
Annotation: Case finding
106 7 or 8 or 9 or 10 or 11 (114598)
Annotation: Patient selection
107 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 (1764975)
Annotation: risk
108 27 or 28 (26841)
Annotation: Characteristic response
109 29 or 30 (3557)
Annotation: Care sensitivity
110 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49
or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57 or 58 (176187)
Annotation: Likelihood of benefit
111 59 or 60 or 61 or 62 or 63 or 64 or 65 or 66 or 67 (189338)
Annotation: Predictive modelling
112 68 or 69 or 70 or 71 or 72 or 73 or 74 or 75 or 76 or 77 or 78 or 79 or 80 or 81 or 82 or 83 or 84 (1060770)
Annotation: Preventive healthcare
113 85 or 86 or 87 or 88 or 89 or 90 or 91 or 92 or 93 or 95 or 96 or 97 or 98 or 99 or 100 or 101 (840792)
114 112 or 113 (1821615)
115 112 and 113 (79947)
116 102 and 114 (51)
117 107 and 110 and 111 (877)
118 115 and 117 (30)
119 110 or 111 (360103)
Annotation: likely benefit or modelling
120 109 and 119 (192)

27
121 115 and 120 (37)
122 108 and 119 (948)
123 114 and 122 (66)
124 106 and 119 (4043)
125 115 and 124 (52)
126 105 and 119 (166)
127 115 and 126 (9)
128 105 and 114 and 119 (67)
129 104 or 116 or 118 or 121 or 123 or 125 or 128 (320)
### Appendix Table S2: Full inclusion and exclusion criteria

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Does the title or abstract talk about amenability?</td>
<td>Continue</td>
</tr>
<tr>
<td>2</td>
<td>Is the paper about youth offending or amenability of specific diseases to treatment?</td>
<td>Exclude/STOP</td>
</tr>
<tr>
<td>3</td>
<td>Does the title or abstract talk about impactibility/intervenability or ‘propensity to succeed’ modelling in a population health context?</td>
<td>Include/STOP</td>
</tr>
<tr>
<td>4</td>
<td>Is there an intervention that aims to prevent or ameliorate a future health event?</td>
<td>Continue</td>
</tr>
<tr>
<td>6</td>
<td>Is the intervention solely aiming to increase screening programme detection rates?</td>
<td>Exclude/STOP</td>
</tr>
<tr>
<td>7</td>
<td>Does the study include case finding or selection of potential responders from the wider population?</td>
<td>Continue</td>
</tr>
<tr>
<td>8</td>
<td>Is modelling limited to identifying subjects at ‘high risk’ of a disease or health event?</td>
<td>Exclude/STOP</td>
</tr>
</tbody>
</table>
9. Does the extended modelling identify subjects who may respond better to the intervention? | Include/STOP | Continue

10. Does the extended modelling identify subjects who are more likely to start and complete the intervention? | Include/STOP | Exclude/STOP

**INCLUSION**
- Papers that include Impactibility OR intervenability OR ‘propensity to succeed’ modelling OR Amenability in a population health context OR
- Studies that include ALL of:
  1) an intervention that aims to prevent or ameliorate a future health event AND
  2) case finding OR selection of potential responders from the general population AND
  3) extended modelling that identifies subjects who may respond better to the intervention OR extended modelling that identifies subjects who are more likely to start and complete the intervention

**EXCLUSION**
- Amenability AND youth offending
- Amenability of specific diseases to treatment
- Modelling limited to identifying subjects at ‘high risk’ of a disease or health event
- Intervention solely aiming to increase diagnoses or screening programme detection rates

**Definitions:**
**Case finding:** a systematic or opportunistic process that identifies individuals (e.g. people with COPD) from a larger population for a specific purpose for example, ‘Flu vaccination’


**Intervention:** A health intervention is an act performed for, with or on behalf of a person or population whose purpose is to assess, improve, maintain, promote or modify health, functioning or health conditions. https://www.who.int/classifications/ichi/en/

In medical terms this could be a drug treatment, surgical procedure, diagnostic test or psychological therapy. Examples of public health interventions could include action to help someone to be physically active or to eat a more healthy diet. Examples of social care interventions could include safeguarding or support for carers.

https://www.nice.org.uk/Glossary?letter=i
### Appendix Table S3: Google search string

<table>
<thead>
<tr>
<th># results (2 November 2020)</th>
<th>Google search string</th>
</tr>
</thead>
<tbody>
<tr>
<td>207</td>
<td>(&quot;impactability&quot; OR &quot;impactibility&quot;) AND (site:nhs.uk OR site:cdc.gov OR site:.ac.uk OR site:.gov.uk OR site:.edu OR site:.gov OR site:.ac.au OR site:.ac.ca OR site:elsevier.com OR site:researchgate.net) AND &quot;case finding&quot; AND (guide OR protocol OR process OR method)</td>
</tr>
</tbody>
</table>
### Appendix Table S4: Studies of the development, validation or application of impactibility models included in the qualitative synthesis

<table>
<thead>
<tr>
<th>Study Name/Ref</th>
<th>Country</th>
<th>Data source</th>
<th>Aims</th>
<th>Outcomes and measures</th>
<th>Population studied</th>
<th>Impactibility model</th>
<th>Results/author conclusions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buja et al. 2019</td>
<td>Italy (Azienda ULSS4-Veneto local health unit)</td>
<td>Routinely collected administrative data</td>
<td>Case management by development of an impactibility model</td>
<td>Predictive performance of algorithm to identify common sets of diseases most predictive for hospital admission or readmission compared with ACG risk scores.</td>
<td>Patients over 65 years, residing in the area served by. All patients had heart failure and “complex health care needs”, as defined by Resource Utilization Band 4 or 5 (respectively high morbidity or very high morbidity) out of 5.</td>
<td>“Impactibility model” based on ACG created by identifying homogeneous clinical subgroups of patients with a high risk of at least 1 “preventable admission” that may be addressed using case management</td>
<td>No statistical difference between algorithm and ACG risk scores. This will help policy makers develop “tool kits” for homogeneous groups of patients that improve health outcomes.</td>
</tr>
<tr>
<td>Guthrie et al. 2017</td>
<td>UK</td>
<td>CHOICE: Choosing Health Options In Chronic Care Emergencies</td>
<td>Assess relationship between psychological morbidity and use of unscheduled care in people with long-term conditions by a literature review and prospective study of care use to develop a targeted intervention.</td>
<td>Identification of factors that could reduce use of unscheduled care.</td>
<td>Patients with ACSCs who had “psychosocial risk factors for increased use of unscheduled care”, including recent use of unscheduled care, depression, living alone or social stressors.</td>
<td>ACSC diagnosis</td>
<td>Depression was an important factor in unscheduled care use. However, there was no evidence that this intervention impacted unscheduled care as patients and HCPs seem unaware or unlikely to acknowledge the role of psychosocial factors and integration of tools might not have been complete.</td>
</tr>
<tr>
<td>McCormick 2012</td>
<td>USA</td>
<td>Acute hospital admission data</td>
<td></td>
<td></td>
<td>Patients with cardiovascular ACSCs (congestive heart failure, angina, hypertension)</td>
<td>ACSC diagnosis</td>
<td>ACSC hospitalisations increased more in the intervention group than the control group over the intervention period.</td>
</tr>
<tr>
<td><strong>Aims</strong></td>
<td><strong>Outcomes and measures</strong></td>
<td><strong>Country</strong></td>
<td><strong>Data source</strong></td>
<td><strong>Aims</strong></td>
<td><strong>Outcomes and measures</strong></td>
<td><strong>Steventon et al. 2012</strong></td>
<td><strong>Steventon et al. 2013</strong></td>
</tr>
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<tr>
<td>Difference-in-differences analysis of the impact of healthcare reforms aimed at improving access to care and coverage for preventable ACSCs.</td>
<td>Hospital admission rates before and after reform versus control states without changes.</td>
<td>UK</td>
<td>HES data for England, mortality, (May 2008 to November 2009)</td>
<td>Assess the effects of home-based telehealth interventions.</td>
<td>Reductions in admission to hospital and mortality over 12 months versus usual care.</td>
<td>Patients aged 18 and over with a diagnosis of COPD, diabetes, or heart failure, based on QOF register or confirmed diagnosis based on GP records or confirmation of disease status by a local clinician.</td>
<td>ACSC diagnosis</td>
</tr>
<tr>
<td>Country</td>
<td>USA (North Carolina)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data source</td>
<td>Administrative data available for the whole population (January 2010-May 2017) including eligibility and enrolment files; Medical and pharmacy claims paid by Medicaid and encounter claims from all managed care organisations; Disease burden categorised by hierarchical Clinical Risk Group (CRG)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aims</td>
<td>Development of an impactibility score to estimate intervention effects and achievable savings for community-based care management</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outcomes and measures</td>
<td>Multivariable modelling including costs various risk stratification strategies to build a predictive model of expected cost savings versus usual care</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Outcomes and measures | Changes in time to first emergency hospitalisation or death versus usual care |

<table>
<thead>
<tr>
<th>Impactibility based on PTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authors recommend investing resources in other forms of preventive care for which an evidence base exists</td>
</tr>
</tbody>
</table>

| Medicaid beneficiaries who received some level of care management support and had at least 1 potentially preventable admission, readmission or ED visit in the year prior to initiation of case management. Patients were considered to have received care management support if they had at least 1 direct encounter with a care manager by phone or face to face. |
| Model variables related to medication adherence and historical utilization unexplained by disease burden were more important predictors of impactibility than any given diagnosis or event, disease profile, or overall costs of care. Impactibility based targeting could lead to two to three times greater return on investment that risk stratification by high ED use or inpatient admissions and high-risk disorders |

| Impactibility score developed using linear regression analysis. |
| Independent variables: |
| - Age, sex, race, ethnicity, disability status, foster care status |
| - ED visit count, inpatient visit count |
| - CRG weight |
| - Presence of specific chronic conditions |
| - Number of chronic conditions |
| - Number of chronic medications filled |
| - Number of acute medications filled |
| - Total cost of care |

| Derived variables include: |
| - “Above expected potentially preventable costs” (AEPCC), which includes costs related to potentially preventable costs |

| p<0.001. |

This study helps highlight the difference between “high-frequency/high-cost” users and “highly impactible” users, noting that there's a real difference between the two groups which makes traditional algorithms unhelpful.
| Hawkins et al. 2015 | Country | USA (pilots in California, Florida, New York, North Carolina and Ohio) | Individuals with Medicare Supplement plans with multiple chronic health conditions who may benefit from additional care coordination and ancillary support. Patients are referred either directly from a provider or Nurse HealthLine, or data-driven referrals based on Hierarchical Condition Category risk score >3.74. | PTS model based on logistic regression. Independent variables included:  
• dates and locations of service  
• indicators of the types of services, drugs, and procedures provided  
• AmeriLINK Data Sourcing system (generated by the KBM Group) to find information about socioeconomic status  
• Local supply of health care services in areas where qualified members lived was derived from the Dartmouth Atlas of Healthcare | The score significantly improved the ability to identify patients most likely to engage with treatment and succeed (predicted success rate 0.761, 95% CI 0.754–0.764) and financial success probabilities (0.697, 0.665–0.707), but not quality of care. The validated score helped to prioritise outreach to efforts to maximise programme engagement and savings. “Using PTS models may help increase program engagement and financial success of care coordination programs.” |
| Data sources | United Healthcare (AARP Medicare Supplement plan provider) December 2008-December 2011. | Develop and validate a PTS score to support a high-risk-case management programme. | Identify among programme members those most likely to:  
1) engage with the programme (yes/no)  
2) receive the highest quality of care (meeting 70% or more of the relevant clinical care guidelines) and cost savings associated with the HRCM program |
| Aims | United Healthcare (AARP Medicare Supplement plan provider) combined | Patients with depressive symptoms measured by PHQ-9 and AARP Medigap supplement insurance. | PTS model based on characteristics of “engaged patients” compared with qualified but non-engaged patients. | The score enabled more efficient utilisation of health resources by refining targeting and outreach efforts to those |
| Outcomes and measures | Hommer et al. 2013 | USA |  |  |  |  |
with inferred sociodemographic data (Dec 2009-Dec 2010)

<table>
<thead>
<tr>
<th>Aims</th>
<th>Develop and validate a PTS score to support a depression management programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>Predictors of outcomes of interest included:</td>
<td></td>
</tr>
<tr>
<td>• patient demographics</td>
<td></td>
</tr>
<tr>
<td>• plan type</td>
<td></td>
</tr>
<tr>
<td>• location</td>
<td></td>
</tr>
<tr>
<td>• participation in other programmes</td>
<td></td>
</tr>
<tr>
<td>• health status measures</td>
<td></td>
</tr>
<tr>
<td>• various supply side measures</td>
<td></td>
</tr>
<tr>
<td>most likely to be successful in the programme.</td>
<td></td>
</tr>
<tr>
<td>Outcomes and measures</td>
<td>Changes in identification of patients likely to engage, individual-level costs (ROI &gt;1) and health-care quality outcomes (hospital readmission, EBM metrics)</td>
</tr>
</tbody>
</table>

| Hsueh et al. 2018 | USA |
| Data source | The GOAL dataset: care management records from a private not-for-profit healthcare network (Jan 2016 to Feb 17) |
| Aims | Develop models of conditional probability distributions for individual-level effect estimation to enable recognition of behavioural responses that could affect care planning |
| Outcomes and measures | Improved likelihood of goal attainment, categorised as: education (e.g., post-discharge understanding); medication (e.g., adherence); reducing risk (e.g., resolve care gaps); self-care (e.g., heart failure home self-management); implementation (e.g. installing fall prevention facility), and others (e.g., obtaining accurate patient information) in an observational data set. |
| Review of records of patients recently discharged from an acute hospital admission and assigned to a transitional care programme with the objective of reducing hospital admissions. |
| Goal attainment factors assessed by logistic regression include: |
| • demographics (age, gender) |
| • patient care programme context (programme experience, days in the programme) |
| • interactions between care managers and patients (day of call) |
| Accuracy for goal attainment was greatest at the individual level (87.24%), outperforming population-level strategies (85.70%), and no planning (28.98%). |
| “Increased patient behavioral understanding could potentially benefit augmented intelligence for care management decision support” |

| Mattie et al. 2019 | USA |
| Country | USA |
| Data source | The GOAL dataset: care management records from a private not-for-profit healthcare network (Jan 2016 to Feb 17) |
| Aims | Develop models of conditional probability distributions for individual-level effect estimation to enable recognition of behavioural responses that could affect care planning |
| Outcomes and measures | Improved likelihood of goal attainment, categorised as: education (e.g., post-discharge understanding); medication (e.g., adherence); reducing risk (e.g., resolve care gaps); self-care (e.g., heart failure home self-management); implementation (e.g. installing fall prevention facility), and others (e.g., obtaining accurate patient information) in an observational data set. |
| Review of records of patients recently discharged from an acute hospital admission and assigned to a transitional care programme with the objective of reducing hospital admissions. |
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| • demographics (age, gender) |
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| • interactions between care managers and patients (day of call) |
| Accuracy for goal attainment was greatest at the individual level (87.24%), outperforming population-level strategies (85.70%), and no planning (28.98%). |
| “Increased patient behavioral understanding could potentially benefit augmented intelligence for care management decision support” |

<p>| A random forest machine learning model to | The impactibility model reached an overall |</p>
<table>
<thead>
<tr>
<th>Data source</th>
<th>Anonymised insurance claims data (June 2015 to May 2018) combined with inferred sociodemographic and patient-generated data</th>
<th>Commerciially insured, “low-risk” (not defined) population</th>
<th>Categorise new patients as impactable versus not impactable based on cost savings with vs without a digital health intervention. The model was based on: • Administrative claims data • Age • Education level, employment status, income and poverty status inferred from zip code • Data derived from a patient-held mobile application.</th>
<th>Accuracy of 71.9% (sensitivity 0.77 and specificity of 0.65) and is generalisable to assess the impactability of any intervention.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aims</td>
<td>Develop machine learning models to identify patients most likely to benefit from a digital health intervention for care management</td>
<td>Expected cost savings compared with no predictive intervention</td>
<td>This demonstrates the potential to successfully target, based on impactability, lower risk members of the population with a digital health intervention.</td>
<td></td>
</tr>
<tr>
<td>Outcomes and measures</td>
<td>Expected cost savings compared with no predictive intervention</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Menard et al. 2018**

<table>
<thead>
<tr>
<th>Country</th>
<th>USA</th>
<th>Pregnant Medicaid beneficiaries</th>
<th>Retrospective analysis of risk screen and care management data, matched to birth certificate pregnancy outcome data. Analysis of degree of low birthweight and number of completed care tasks led to creation of a three-tier score (highest score range = greatest risk reduction with higher number of face-to-face care management tasks)</th>
<th>The score effectively identified women who would benefit most from pregnancy care management (OR for highest score range 0.80, p&lt;0.05)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data source</td>
<td>Birth certificate pregnancy outcome data from the 2011-14 birth cohort</td>
<td></td>
<td>“For every 100 women in Tier 1 who receive care management, 8 low birthweight outcomes can potentially be prevented”</td>
<td></td>
</tr>
<tr>
<td>Aims</td>
<td>Development and validation of a pregnancy care management strategy to identify women most likely to benefit from pregnancy care management to reduce the rate of low birthweight</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outcomes and measures</td>
<td>Associations between low birthweight and number of completed care management tasks during pregnancy</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Ozminkowski et al. 2015 (MyCarePath)**

<table>
<thead>
<tr>
<th>Country</th>
<th>USA</th>
<th>Individuals are qualified for MyCarePath either through direct or indirect referral. Indirect referrals use claims experience to calculate CMS Hierarchical Condition</th>
<th>PTS summary scores were calculated through logistic regression to generate predicted probability that a qualified individual:</th>
<th>PTS models had higher specificity than sensitivity, suggesting they were better able to predict who would not participate/achieve cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data source</td>
<td>Administrative claims data and health risk assessment from AARP Medicare Supplement Insurance Plan insured</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aims</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Aims | Describe how big and small data are used to support care coordination programmes

Outcomes and measures | Change in calculation of risk scores after implementation of PTS modelling was

| (1) participated in MyCarePath, (2) was managed in a way that was consistent with evidence-based guidelines for treating their medical problems, and (3) was managed in a way that reduced the cost of their medical care and prescription pharmaceuticals.

| Independent variables included:
- Demographic data
- Health status
- Medigap plan type
- Healthcare supply
- Location variables

| External consumer-generated variables have been studied but did not increase the model's predictive ability.

Navratil-Strawn 2016 | United Healthcare (AARP Medicare Supplement plan provider) combined with inferred sociodemographic data

| Patients covered by an AARP Medicare Supplement (Medigap) plan

| PTS modelling by means of logistic regression to identify characteristics associated with programme engagement.

| Model covariates included:
- PTS modelling was found to be "stable and valid" according to a K-fold cross-validation study
- "PTS modelling may help to target and engage callers, thus increasing use“
### Outcomes and measures

Changes after PTS in

1) Utilisation of the Nurse Healthline
2) Triage engagement
3) Adherence to nurse recommendations

Compared with no intervention

- demographic measures (age, sex)
- residential location: rural vs urban, census region, residence in 1 of 5 locations with other care coordination pilots ongoing
- socioeconomic variables (zip code level proxies of race and income)
- health status (OptumInsight ImpactPro prospective risk score)
- local supply of health services (hospital beds per 1000, primary care physicians and specialists per 100,000 residents)
- Previous emergency healthcare use in 6 months (yes/no)
- Time of call (weekday/weekend)

"This in turn should lead to more efficient use of healthcare services and reduce unnecessary health care expenditures"

### Studies incorporating or comparing clinical judgement of impactibility

<table>
<thead>
<tr>
<th>Cohen C et al. 2015</th>
<th>Country</th>
<th>Data source</th>
<th>Aims</th>
<th>Exclusion criteria based on physician input were: active cancer, schizophrenia, dialysis, residence in nursing homes or long-term care facilities, and age 95 years or older.</th>
<th>Model based on ACG predictive model risk scores for risk of future high costs, augmented with a survey of clinical considerations from six physicians</th>
<th>C-statistics for the model before and after exclusions applied were 0.80 and 0.75, respectively. After exclusion, the PPV for the 6% highest risk patients</th>
</tr>
</thead>
</table>
### Outcomes and measures

| Outcomes and measures | Improve discriminatory power for selecting multimorbid patients most amenable to proactive management | was 40%. High-risk patients’ age, number of chronic conditions, and utilization were substantially higher than those of all other patients. This study shows that a validated predictive modelling tool provides acceptable discriminatory power for selecting multimorbid patients for participation in proactive care management, even after some of the highest risk patients are excluded because of priori clinical considerations. |

<table>
<thead>
<tr>
<th>Corbin et al. 2019</th>
<th><strong>Country</strong></th>
<th>USA</th>
<th><strong>Outpatient primary care patients “at risk of hospitalisation in the next 12 months”</strong></th>
<th>Clinical team assessment of the “potential of care to impact outcomes” based on medical and social factors as an adjunct to a risk predictive model developed by EPIC, which identified 19 variables predictive of ED visits or hospitalisation in the next 12 months. Validation showed an average C-statistic of 0.71. Average risk score of patients under care management increased from 33% to 40.4% over the first 2 months of the programme. Full results for other outcomes not yet available.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Data source</strong></td>
<td>Primary care database (not specified)</td>
<td></td>
<td>Changes in 1) Average risk score of patients under care management 2) Number of ED visits 3) Number of hospitalisation in the next 12 months after introduction of tool</td>
<td></td>
</tr>
<tr>
<td><strong>Aims</strong></td>
<td>Develop and validate a patient selection tool to guide allocation of care management based on physician knowledge and predictive model risk scores</td>
<td></td>
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<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Flaks-Manov et al. 2020</th>
<th><strong>Country</strong></th>
<th>Israel</th>
<th><strong>Patients aged 65 years and older who were hospitalized for at least 1 night in an internal medicine ward</strong></th>
<th><strong>Nurse and internal medicine physicians [in charge of direct patient care] assessment of impactibility, compared with a risk prediction model</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Data source</strong></td>
<td>HCP interview May 2016-June 2017</td>
<td></td>
<td></td>
<td>Physician assessment of likelihood to benefit vs risk prediction model showed 65% overlap, 19% of patients had high predicted risk scores but</td>
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<tr>
<td><strong>Aims</strong></td>
<td>Explore healthcare providers’ perspectives of patients’ characteristics associated with decisions about which patients should</td>
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</tbody>
</table>

<p>| | **| | | |</p>
<table>
<thead>
<tr>
<th>Outcomes and measures</th>
<th>Identify similarities and differences in recommendations for referral to a readmission prevention program based on physicians' opinions and a risk prediction model</th>
</tr>
</thead>
</table>

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<thead>
<tr>
<th>Fleming et al. 2017</th>
<th>Country</th>
<th>USA</th>
<th>High cost &quot;superutilizers&quot; at two public urban safety-net hospitals</th>
<th>Physician assessment of patient engagement to determine &quot;likelihood to benefit&quot; determined through interviews and ethnographic research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data source</td>
<td>HCP interview conducted 2015 to 2016</td>
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<tr>
<td>Aims</td>
<td>Investigate how health care providers describe engagement for high-cost patients requiring complex care management</td>
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<tr>
<td>Outcomes and measures</td>
<td>Assess accuracy of health-care professional and provider definitions and predictions of engagement in relation to socioeconomic status</td>
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<tr>
<th>Freund et al. 2010, 2011, 2012, 2013</th>
<th>Country</th>
<th>Germany</th>
<th>Index condition: T2DM, COPD, asthma, CHF or late-life depression (age &gt;60 years).</th>
<th>Family physician assessment of likelihood to benefit (vs risk predictive model)</th>
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</thead>
<tbody>
<tr>
<td>Data source/setting</td>
<td>10 primary care practices in southwestern Germany</td>
<td>Predictive modelling was numerically more accurate than physicians at predicting risk of future hospitalisation, but rates</td>
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</table>
### Aims

Compare physician referrals with risk prediction based on insurance claims data.

Exclusion criteria: age under 18, dementia, palliative care, or nursing home residents, active cancer or dialysis for the latter increased over time and patients had better receptivity to care management programmes.

### Outcomes and measures

Selection of patients for primary-care-based management of complex and chronic illness, assessed by:
1) Hospitalisation within 12 months
2) Mortality

Patients with at least one chronic disease, including diabetes, CVD, respiratory, musculoskeletal or chronic pain, with "complex care needs whom family physicians felt could benefit from a case management intervention" and at least three ED visits or hospital admissions. Patients with serious cognitive problems were excluded.

Randomised control trial of intervention and thematic analysis of in-depth interviews.

The intervention reduced psychological distress (OR 0.43, 95% CI 0.19–0.95, p = 0.04), but did not have any significant effect on patient activation.

Patients and spouses benefitted from the case management intervention, gaining a sense of security, and stakeholders noted better patient self-management of health needs.

"Case management is a promising avenue to improve outcomes among frequent users of health care with complex needs."

### Abbreviations:

ACG = adjusted clinical groups.
ACSCs = ambulatory care sensitive conditions.
OR = odds ratio.
PTS = propensity to succeed.

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<th>Hudon et al. 2018</th>
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<th>Canada</th>
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<td><strong>Data source</strong></td>
<td>V1SAGES (Vulnerable Patients in Primary Care: Nurse Case management and Self-management support)</td>
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<tr>
<td><strong>Aims</strong></td>
<td>Assess effects of case-management intervention on psychological distress and patient activation in frequent health-care users</td>
<td></td>
</tr>
<tr>
<td><strong>Outcomes and measures</strong></td>
<td>Effects of intervention on 1) Psychological distress 2) Patient activation Stakeholder’s perceptions of interventions</td>
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For the latter increased over time and patients had better receptivity to care management programmes.