Supplemental material

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Appendix 1 –Search strategies for all databases, registers, and websites

CINAHL

1. (patient* n3 engag*) OR "patient oriented research"
2. model OR models OR framework* OR (MH "Conceptual Framework") OR (MH "Models, Theoretical")
3. research
4. "patient and public involvement" OR "patient involvement" or "stakeholder engagement"
5. S1 OR S4
6. S2 AND S3 AND S5

Cochrane Database of Systematic Reviews

"patient engagement" OR "patient oriented research" OR "patient and public involvement" OR "patient involvement" OR "stakeholder engagement" in Title Abstract Keyword

Joanna Briggs Institute Evidence Based Practice Database

("patient engagement" OR "patient oriented research" OR "patient and public involvement" OR "patient involvement" OR "stakeholder engagement").mp.

MEDLINE (Ovid)

1. Patient Participation/
2. models, theoretical/ or patient-specific modeling/
3. (patient* adj3 engag*).mp.
4. (model or models or framework*).mp.
5. research.mp.
6. ("patient oriented research" or "patient and public involvement" or "patient involvement" or "stakeholder engagement").mp.
7. 1 or 3 or 6
8. 2 or 4
9. 5 and 7 and 8

Scopus

((TITLE-ABS-KEY (patient* W/3 engag*)) OR (TITLE-ABS-KEY ("patient oriented research")) OR (TITLE-ABS-KEY ("patient and public involvement")) OR (TITLE-ABS-KEY ("patient involvement")) OR (TITLE-ABS-KEY ("stakeholder engagement"))) AND (TITLE-ABS-KEY (model or models or framework*)) AND (TITLE-ABS-KEY (research))

PsycINFO

1. Client Participation/
2. Models/
3. (patient* adj3 engag*).mp.
4. (model OR models OR framework*).mp.
5. research.mp.
6. ("patient oriented research" OR "patient and public involvement" OR "patient involvement" or "stakeholder engagement").mp.
7. 1 OR 3 OR 6
8. 2 OR 4
9. 5 AND 7 AND 8

Web of Science - Conference Proceedings Citation Index

(TS=(patient* NEAR/3 engag*) OR (TS=("patient oriented research" OR "patient and public involvement" OR "patient involvement" OR "stakeholder engagement"))) AND (TS=(model OR models OR framework*)) AND (TS=(research))

Google Scholar

("patient engagement" OR "patient oriented research" OR "patient and public involvement" OR "patient involvement" OR "stakeholder engagement") AND (model or framework) AND research

Conference Proceedings Citation Index

(TS=(patient* NEAR/3 engag*) OR (TS=("patient oriented research" OR "patient and public involvement" OR "patient involvement" OR "stakeholder engagement"))) AND (TS=(model OR models OR framework*)) AND (TS=(research))

ProQuest Dissertations & Theses

noft((patient* near/3 engag*) OR "patient oriented research" OR "patient and public involvement" OR "patient involvement" OR "stakeholder engagement") AND noft(model OR models OR framework*) AND noft(research)

Google and websites

(model OR framework) AND "health services research"