

Appendix 1: Preliminary Medline Search

Database: Ovid MEDLINE(R) <1946 to February Week 4 2016>, Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations <March 07, 2016>

Search Strategy:

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- 1 (complex* adj2 (need* or patient* or disease* or ill* or condition* or insufficienc* or disorder*)).mp. (41949)
 - 2 Comorbidity/ (77656)
 - 3 (co-morbid* or comorbid*).mp. (155758)
 - 4 (multi-morbid* or multimorbid*).mp. (2162)
 - 5 (poly-patholog* or polypatholog*).mp. (135)
 - 6 (pluri-patholog* or pluripatholog*).mp. (26)
 - 7 ((multi* or concurren* or co-occur* or co occur* or co-exist* or co exist* or dual) adj2 (diagnos* or disease* or ill* or condition* or insufficienc* or disorder*)).mp. (69046)
 - 8 or/1-7 (258733)
 - 9 goals/ (13032)
 - 10 ((goal* or priorit* or target*) adj3 (agree* or negotiate* or convers* or discuss* or propos* or develop* or formulat* or elaborate* or establish* or identif* or write or written or state* or specif* or construct* or manag* or direct* or orient* or cent?red or achiev* or evaluat* or attain* or facilitat* or misalign* or align* or care or outcome* or plan* or set* or health or select*)).tw. (252648)
 - 11 ((goal* or priorit* or target* or value* or preference*) adj3 (patient* or individual* or personal* or tailor*)).tw. (80815)
 - 12 ((goal* or priorit* or target* or preference*) adj3 treatment*).tw. (42842)
 - 13 ((goal* or target*) adj1 behavio*).tw. (1749)
 - 14 advance care planning/ (1505)
 - 15 or/9-14 (365326)
 - 16 8 and 15 (9727)
 - 17 exp animals/ not (exp animals/ and humans/) (4191570)
 - 18 16 not 17 (9550)
 - 19 limit 18 to english language (8935)

Appendix 2: Sample Screening Form

Paper ID	POPULATION Relevant to Patient Complexity: 1) directly use the term ‘complexity’, 2) address more than one concurrent chronic condition, compounded by frailty, palliative or life-limiting serious illness diagnoses, mental health conditions, and/or social challenges, or 3) focus on a complex chronic illness (e.g., dementia, stroke) that spans across more than one health dimension (as presented in the Complexity Framework).[4]	TOPIC Addresses goal elicitation, goal setting, or goal alignment between patients and/or caregivers and a health service provider	DECISION (Include, Exclude, or Uncertain)
Example 1	Yes	Uncertain	Uncertain (Discuss with team)
Example 2	No	Uncertain	Exclude
Example 3	Yes	Yes	Include