

Supplementary File 2:
MEDLINE Literature Search Strategy

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily and Versions(R) <1946 to August 01, 2019>
Search Strategy:

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- 1 Patient Generated Health Data/
 - 2 ("patient generated data" or "patient generated health data" or "patient-generated data" or "patient-generated health data" or (("patient generated" or "patient-generated") adj3 (data? or dataset? or "data set?"))).ti,ab,kf,kw.
 - 3 ((patient* or caregiver*) adj2 (generated or recorded) adj3 (data? or dataset? or "data set?")).ti,ab,kf,kw.
 - 4 or/1-3 [**PGHD set1**]
 - 5 (("user generated" or user-generated) adj3 (data? or "data set?" or data-set?)).ti,ab,kf,kw.
 - 6 ("self recorded health data" or "self-recorded health data" or (("self-recorded" or "self recorded" or "self tracking" or self-tracking or "self tracke??" or self-tracke?? or "self-expressed" or "self expressed" or "personally collected") adj3 (data? or dataset? or "data set?"))).ti,ab,kf,kw.
 - 7 ((personal* or self or patient*) adj2 data* adj2 (tracking or tracke??)).ti,ab,kf,kw. (82)
 - 8 ("quantified self" or lifelog).ti,ab,kf,kw. (122)
 - 9 or/5-8 [**PGHD set 2**]
 - 10 Telemedicine/
 - 11 (mHealth or m-health or "mobile health" or ehealth or e-health or "smart technolog*" or smartphone* or "smart phone*" or smartwatch* or "smart watch*").ti,ab,kf,kw.
 - 12 or/10-11 [mhealth. PGHD set 3]
 - 13 Self Report/ or ("self report*" or self-report*).ti,ab,kf,kw.
 - 14 self care/ or self-management/
 - 15 ("self care" or "self management" or "self monitor*" or self-monitor*).ti,ab,kf,kw.
 - 16 or/13-15 [self care/management/monitor]
 - 17 16 and (technolog* or device* or wearable*).ti,ab,kf,kw. [**self care/mgt/monitor + tech Set**]
 - 18 Wearable Electronic Devices/
 - 19 (((body-worn or "body worn" or wearable*) adj2 (biosensor* or sensor* or device? or technolog*)) or (electronic adj1 skin)).ti,ab,kf,kw.
 - 20 or/18-19 [**wearable devices set**]
 - 21 Monitoring, Ambulatory/
 - 22 (monitoring adj1 (outpatient* or patient* or ambulatory)).ti,ab,kf,kw.
 - 23 or/21-22 [**ambulatory monitoring set**]
 - 24 patient reported outcome measures/
 - 25 ("patient reported" adj4 outcome*).ti,ab,kf,kw.
 - 26 or/24-25 [**patient reported outcome set**]
 - 27 or/4,9,12,17,20,23,26 [**all PGHD sets combined**]

28 medical record linkage/ or medical records systems, computerized/ or health information
exchange/
29 ((computer* or electronic or linkage) adj2 (health or medical) adj2 record?).ti,ab,kf,kw. or
ehr.ti,ab.
30 "Meaningful Use"/ or (meaningful adj1 "use?").ti,ab,kf,kw.
31 or/28-30 [EHR set 1]
32 medical records/ or medical records, problem-oriented/
33 information systems/ or big data/ or community networks/ or geographic information
systems/ or health information systems/ or knowledge bases/ or biological ontologies/ or gene
ontology/ or medical informatics computing/ or public health informatics/
34 database management systems/ or data systems/
35 Automation/
36 32 and (or/33-35) [automat* medical records - EMR set]
37 or/31,36 [EHR or EMR set]
38 *Decision Support Systems, Clinical/ or (CDS or CDSS).ti,ab. or ((clinical or hospital) adj4
("decision support system?" or "information system?")).ti,ab.
39 (("patient* portal*" or patient*) adj2 portal*).ti,ab,kf,kw.
40 and/27,37 [PGHD + EHR/EMR set]
41 (and/27,38) not 40 [PGHD + CDSS set]
42 (and/27,39) not (40 or 41) [PGHD + Patient Portal set]
43 or/40-42 [Final Set]