Appendix 1

Literature search strategy

Since the MeSH indexing around the concept of multiple morbidity is not very well defined and our scope includes a wide range of HIT tools, a broad keyword strategy was employed to supplement the MeSH subject heading search strategy. We search for three concepts: multiple chronic conditions, medical informatics, and telemedicine. For the concept of multiple chronic conditions, we used the subject heading "comorbidity and chronic disease" and exploded on keywords listed below:

- multimorb* or multi-morb*
- multip* adj2 (chronic* or persist* or long term or long standing or long lasting or incurab* or constant* or continual* or continuing or perpetual* or linger* or incessan* or unceas*) adj3 (diseas* or disorder* or condition* or afflict* or suffer* or incur* or occur*)) or (multiple adj (morbid* or comorbid*)
- multip* adj3 (diseas* or disorder* or condition* or afflict* or suffer* or incur* or occur*)
- comorbid* or co-morbid*

For the concept of health informatics, we used the subject heading "medical informatics" and exploded on keywords listed below:

- ehealth or mhealth or e-health or m-health
- online or internet or (web adj bas*) or syncron* or realtime or real-time or video* or remot* or virtual*) adj7 (monitor* or gather* or collect* or extract* or captur* or interact* or convers* or talk*)
- health* or medic* adj3 information* adj5 (tech* or comput* or electronic* or digital* or internet* or web-bas* or smartphone* or app or apps or application*)
- (health* or medic*) adj3 (information* or data* or record* or communicat* or document* or interact*) adj5 (tech* or comput* or electronic* or digital* or internet* or web-bas* or smartphone* or app or apps or application*)

For the concept of telemonitoring, we used the subject heading "telemedicine" and exploded on keywords listed below:

- telemed*
- online or internet or (web adj bas*)
- syncron* or realtime or real-time or video*

The search strings for these three concepts were combined to retrieve the final search set.