### Multimedia Appendix 1: Search strategy MEDLINE

**Database(s):** Ovid MEDLINE(R) ALL 1946 to June 30, 2021

**Search Strategy:**

| # | Searches                                                                 | Results  |
|---|--------------------------------------------------------------------------|----------|
| 1 | Palliative Care/ or "Hospice and Palliative Care Nursing"/ or exp Terminal Care/ or Palliative Medicine/ or exp Advance Care Planning/ or Terminally ill/ | 106824   |
| 2 | (palliative or palliate* or palliating).tw,kf.                          | 71977    |
| 3 | ((terminal* or "end stage"* or endstage* or "advanced stage"* or "late stage"*) adj3 (disease* or ill* or care* or caring or treatment* or period* or nurs* or patient*)).tw,kf. | 101882   |
| 4 | (eol or "end of life").tw,kf.                                         | 26643    |
| 5 | (advance*1 adj3 (plan*1 or planning or directive*)).tw,kf.             | 10168    |
| 6 | hospice*.tw,kf.                                                        | 13656    |
| 7 | 1 or 2 or 3 or 4 or 5 or 6                                             | 244157   |
| 8 | exp Telemedicine/                                                       | 35283    |
| 9 | Telecommunications/ or exp Telemetry/ or Wireless Technology/ or exp Videoconferencing/ | 24389    |
|10 | Mobile Applications/ or exp Telephone/ or computers/ or microcomputers/ or computers, handheld/ or smartphone/ or minicomputers/ or User-Computer Interface/ or Computer assisted instruction/ | 145199   |
|11 | Internet-Based Intervention/                                            | 601      |
|12 | (((wearable or wireless) adj2 (technolog* or electronic*1 or device*1)) or (digital adj2 medicine) or (technolog* adj2 (remote or health)) or (remote adj2 care) or (((mobile or internet or electronic* or robot* or remote) adj2 (consultation* or application*1 or device*1)))).tw,kf. | 54138    |
|13 | (telecommunicat* or tele-communicat* or teleconferenc* or tele-conferenc* or app or apps or app-based or mobile-based or "Short Message Service"* or sms or textmessag* or text-messag* or texting or videoconference* or videoconferenc* or webconferenc* or web-conferenc* or webcast* or web-cast* or webinar* or web-application* or web-based-application*).tw,kf. | 58430    |
|14 | (phone*1 or telephon* or smartphone* or smart-phone* or cellphone* or cell-phone* or mobilephone* or mobile-phone* or "personal digital assistant"* or palmilot* or palm-pilot* or smarthome* or smart-home* or touchscreen* or "touch screen"* or "high tech"* or hightech*).tw,kf. | 114251   |
|15 | (telemedicin* or tele-medicin* or telehealth* or tele-health* or telecare* or tele-care* or telecar* or tele-cari* or emedic* or e-medic* or ehealth* or e-health* or mhealth* or m-health* or ehomecare* or e-homecare* or e-home-care* or telelurs* or tele-nurs* or teletherap* or tele-therap* or telerhab* or tele-rehab* or erehab* or e-rehab* or teleconsultation* or tele-consultation* or videogconsultation* or video-consultation* or telemonitor* or tele-monitor*).tw,kf. | 40192    |
|16 | ("internet based intervention"* or "web based intervention"* or (digital adj2 intervention*)).tw,kf. | 3256     |
|17 | 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16                         | 371078   |
|18 | 7 and 17                                                                | 3477     |
| 19 | exp Independent Living/ or Homebound Persons/ | 8411 |
| 20 | exp Home Care Services/ or exp Community Health Nursing/ | 63980 |
| 21 | ((assisted or independent) adj2 living).tw,kf. | 5740 |
| 22 | "community dwelling".tw,kf. | 25994 |
| 23 | (homecare* or home-care*).tw,kf. | 21267 |
| 24 | (housebound or house-bound or homebound or home-bound or home or homes).tw,kf. | 268132 |
| 25 | ((community adj2 (healthcare* or health-care* or nurs*)) or (community adj2 health adj2 service*) or "district nurs**").tw,kf. | 19586 |
| 26 | (remote or rural).tw,kf. | 223956 |
| 27 | 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 | 547693 |
| 28 | 18 and 27 | 1041 |
| 29 | limit 28 to yr="2000 -Current" | 956 |
| 30 | limit 29 to (chinese or danish or english or norwegian or portuguese or spanish or swedish) | 924 |