**Appendix**

**Search strategy Scopus**

1. TITLE-ABS-KEY (dementia OR Alzheimer\* OR "cognitive impair\*"): 295,888 (#1)
2. TITLE-ABS-KEY (older OR elder\* OR senior OR geriatric\*): 2,234,315 (#2)
3. TITLE-ABS-KEY (robot\* OR “assist\* technology” OR telecare OR tele-care OR telehealth OR tele-health OR “information communication” OR “information technol\*” OR “welfare technol\*” OR videoconferenc\* OR video-conferenc\*): 537,389 (#3)
4. TITLE-ABS-KEY (care OR support OR intervention OR assistance OR “social communication” OR “social contact” OR “social network” OR “social support” OR interaction OR company OR engagement OR companionship): 10,950,540 (#4)
5. #1 AND #2 AND #3 AND #4: 478
6. Limit to English, Source type (Journals, Conference Proceedings) & Document type (Article, Conference paper, Article in press): 324

**Search strategy Medline**

1. ABS (dementia OR Alzheimer\* OR "cognitive impair\*") OR TITLE (dementia OR Alzheimer\* OR "cognitive impair\*"): 188,527 (#1)
2. ABS (older OR elder\* OR senior OR geriatric\*) OR TITLE (older OR elder\* OR senior OR geriatric\*): 540,364 (#2)
3. ABS (robot\* OR “assist\* technology” OR telecare OR tele-care OR telehealth OR tele-health OR “information communication” OR “information technol\*” OR “welfare technol\*” OR videoconferenc\* OR video-conferenc\*) OR TITLE (robot\* OR “assist\* technology” OR telecare OR tele-care OR telehealth OR tele-health OR “information communication” OR “information technol\*” OR “welfare technol\*” OR videoconferenc\* OR video-conferenc\*): 43,508 (#3)
4. ABS (care OR support OR intervention OR assistance OR “social communication” OR “social contact” OR “social network” OR “social support” OR interaction OR company OR engagement OR companionship) OR TITLE (care OR support OR intervention OR assistance OR “social communication” OR “social contact” OR “social network” OR “social support” OR interaction OR company OR engagement OR companionship): 2,692,401 (#4)
5. #1 AND #2 AND #3 AND #4: 93 (#7)
6. Limit to English: **88**
7. MeSH descriptor Videoconferencing.exp: 673 (#8)
8. MeSH descriptor Dementia.exp: 135,749 (#9)
9. #8 AND #9 AND limit to English: 23 (#10)
10. #7 OR #10: (S11): 114