Appendix

Table 1.Search strategy

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| **PubMed** | (((nursing home [mesh]) AND (resident[tiab] or residents[tiab])) OR (("nursing home" [tiab] OR "nursing homes" [tiab] OR "nursing facility"[tiab] OR "nursing facilities" [tiab]) AND (resident[tiab] OR residents[tiab])) OR (("long-term care facility"[tiab] OR "long-term care facilities"[tiab]) AND (resident[tiab] OR residents[tiab])) OR "home for the aged"[tiab] OR "homes for the aged"[tiab] OR "institutional\* care"[tiab]) AND (Hospitalization [mesh] OR (hospitalis\* [tiab] OR hospitaliz\*[tiab]) OR ((hospital[tiab] OR hospitals[tiab]) AND (admit\*[tiab] or admis\*[tiab]or transfer[tiab])) OR (hospital[tiab] AND (treat\*[tiab] OR stay[tiab] OR days[tiab] OR care[tiab]))) AND (“terminal care”[mesh] or “hospital mortality”[mesh] or “palliative care”[mesh] or “end of life” or (death or die or died or dying))AND(cognition OR cognitive function\* OR “cognitive efficiency” OR cognitive impairment\* OR memor\* OR neuropsychological memor\* OR alzheimer OR dementia OR forget\* OR cognitive failure OR cognitive decline OR cognitive performance OR cognitive deterioration OR intelligence OR reasoning OR learning OR problem solving OR inhibition OR planning OR attention OR executive function\* OR conscious\* OR processing speed OR language OR “decision making” OR alertness) |
| **Scopus** | ( ( ( ( TITLE-ABS-KEY ( "nursing home" OR "nursing facility" OR "long-term care facility" ) AND TITLE-ABS ( resident ) ) OR ( TITLE-ABS-KEY ( "home for the aged" ) ) ) AND ( ( TITLE-ABS-KEY ( hospitaliz\* OR hospitalis\* ) ) OR ( TITLE-ABS ( hospital W/3 admit\* ) ) OR ( TITLE-ABS ( hospital W/3 admis\* ) ) OR ( TITLE-ABS ( hospital W/3 transfer ) ) OR ( TITLE-ABS ( hospital W/3 treat\* ) ) OR ( TITLE-ABS ( hospital W/3 stay ) ) OR ( TITLE-ABS ( hospital W/3 days ) ) OR ( TITLE-ABS ( hospital W/3 care ) ) ) ) AND ( ( "end-of-life" ) OR ( death OR die OR died OR dying ) ) ) AND ( ( cognition ) OR ( cognitive AND function\* ) OR ( "cognitive efficiency" ) OR ( cognitive AND impairment\* ) OR ( memor\* ) OR ( neuropsychological AND memor\* ) OR ( alzheimer ) OR ( dementia ) ) OR ( ( forget\* ) OR ( cognitive AND failure ) OR ( cognitive AND decline ) OR ( cognitive AND performance ) OR ( cognitive AND deterioration ) OR ( intelligence ) OR ( reasoning ) ) OR ( ( learning ) OR ( problem AND solving ) OR ( inhibition ) OR ( planning ) OR ( attention ) OR ( executive AND function\* ) OR ( conscious\* ) ) OR ( ( processing AND speed ) OR ( language ) OR ( "decision making" ) OR ( alertness ) ) |
| **CINAHL** | ((((MH "Nursing Homes+") AND (resident OR residents)) OR ((nursing N1 (home\* OR facilit\*)) AND (resident OR residents)) OR ("long- term care facilit\*" AND (resident OR residents)) OR "home\* for the aged" OR "institutional\* care") AND ((MH "Hospitalization+") OR (hospitalis\* OR hospitaliz\*) OR (hospital N3 (treat\* OR stay OR days OR care)) OR (hospital\* N3 (admit\* OR admis\* OR transfer)))) AND (("end of life") OR (death OR die OR died OR dying) OR ((MH "Terminal Care+")) OR ((MH "Hospital Mortality")) OR ((MH "Palliative Care")))AND (cognition OR cognitive function\* OR “cognitive efficiency” OR cognitive impairment\* OR memor\* OR neuropsychological memor\* OR alzheimer OR dementia OR forget\* OR cognitive failure OR cognitive decline OR cognitive performance OR cognitive deterioration OR intelligence OR reasoning OR learning OR problem solving OR inhibition OR planning OR attention OR executive function\* OR conscious\* OR processing speed OR language OR “decision making” OR alertness) |