

Supplementary 1. Search Strategy Used in Each Database

| | Searches | Results |
|----|--|-----------|
| #1 | ((("aged"[MeSH Terms] OR "older adults"[All Fields] OR "older persons"[All Fields] OR "older people"[All Fields] OR "nursing home patients"[All Fields] OR "elderly people"[All Fields] OR ("geriatric"[All Fields] OR "geriatrics"[MeSH Terms] OR "geriatrics"[All Fields]) OR ("aging"[MeSH Terms] OR "aging"[All Fields] OR "ageing"[All Fields]) OR ("older"[All Fields] OR "olders"[All Fields]) OR ("elder s"[All Fields] OR "elderberry extract"[Supplementary Concept] OR "elderberry extract"[All Fields] OR "elder"[All Fields] OR "sambucus"[MeSH Terms] OR "sambucus"[All Fields] OR "elders"[All Fields]) OR ("aged"[MeSH Terms] OR "aged"[All Fields] OR "elderly"[All Fields] OR "elderlies"[All Fields] OR "elderly s"[All Fields] OR "elderlys"[All Fields]) OR ("senior"[All Fields] OR "seniorities"[All Fields] OR "seniority"[All Fields] OR "seniors"[All Fields])) NOT ("elderberry extract"[Supplementary Concept] OR "elderberry extract"[All Fields] OR "elderberry"[All Fields] OR "sambucus"[MeSH Terms] OR "sambucus"[All Fields] OR "elderberries"[All Fields])) NOT "sambucus"[MeSH Terms]) | 6,657,686 |
| #2 | "constipation"[MeSH Terms] OR "Bowel obstruction"[All Fields] OR "Intestinal obstruction"[All Fields] OR "ileus"[MeSH Terms] OR "ileus"[All Fields] OR "Intestinal movement"[All Fields] OR "Intestinal hypomotility"[All Fields] OR "Bowel hypomotility"[All Fields] OR "Bowel irregularity"[All Fields] OR "faecal impaction"[All Fields] | 71,024 |
| #3 | "Residential Facilities"[MeSH Terms] OR "long term care"[All Fields] OR "nursing home"[All Fields] OR "nursing facility"[All Fields] OR "residential care"[All Fields] OR "institutionalized"[All Fields] | 115,188 |
| #4 | #1 AND #2 AND #3 | 220 |
| #5 | Additional limits – Language: English, Korean | 203 |

PubMed

| | Searches | Results |
|----|--|-----------|
| #1 | aged OR "older adults" OR "older persons" OR "older people" OR "nursing home patients" OR "elderly people" OR geriatric OR aging OR older OR elder OR elderly OR senior | 2,469,824 |
| #2 | Constipation OR "Bowel obstruction" OR "Intestinal obstruction" OR Ileus OR "Intestinal movement" OR "Intestinal hypomotility" OR "Bowel hypomotility" OR "Bowel irregularity" OR "faecal impaction" | 2,569 |
| #3 | "Residential Facilities" OR "long term care" OR "nursing home" OR "nursing facility" OR "residential care" OR "institutionalized" | 48,959 |
| #4 | #1 AND #2 AND #3 | 50 |
| #5 | Additional limits – Language: English, Korean | 45 |

PsycINFO via ProQuest

| | Searches | Results |
|----|---|-----------|
| #1 | (MH "Aged") OR "older adults" OR "older persons" OR "older people" OR "nursing home patients" OR "elderly people" OR geriatric OR aging OR older OR elder OR elderly OR senior | 1,141,885 |
| #2 | (MH "Constipation") OR "Bowel obstruction" OR "Intestinal obstruction" OR Ileus OR "Intestinal movement" OR "Intestinal hypomotility" OR "Bowel hypomotility" OR "Bowel irregularity" OR "faecal impaction" | 14,612 |
| #3 | (MH "Residential Facilities") OR "long term care" OR "nursing home" OR "nursing facility" OR "residential care" OR "institutionalized" | 84,276 |
| #4 | #1 AND #2 AND #3 | 174 |
| #5 | Additional limits – Language: English, Korean | 169 |

CINAHL via EBSCO

| | Searches | Results |
|----|----------------------------|---------|
| #1 | [전체] 노인 노년 고령 어르신 65 | 309,933 |
| #2 | [전체] 변비 | 1,697 |
| #3 | [전체] 장기요양시설 장기요양 요양원 입소 시설 | 173,583 |
| #4 | #1 AND #2 AND #3 | 27 |

RISS (노인|노년|고령|어르신|65) (변비) (장기요양시설|장기요양|요양원|입소|시설)

| | Searches | Results |
|----|----------------------------|---------|
| #1 | [전체] 노인 노년 고령 어르신 65 | 52,412 |
| #2 | [전체] 변비 | 626 |
| #3 | [전체] 장기요양시설 장기요양 요양원 입소 시설 | 42,600 |
| #4 | #1 AND #2 AND #3 | 6 |

KISS

| | Searches | Results |
|----|----------------------------|---------|
| #1 | [전체] 노인 노년 고령 어르신 65 | 227,458 |
| #2 | [전체] 변비 | 993 |
| #3 | [전체] 장기요양시설 장기요양 요양원 입소 시설 | 96,328 |
| #4 | #1 AND #2 AND #3 | 22 |

ScienceON