**Supplementary Digital Content**

Search Strategy 1

|  |  |
| --- | --- |
| **Default search strategy** | |
|  | Toilet Facilities/ |
|  | Urination/ |
|  | Defecation/ |
|  | (toilet\* or bathroom or washroom or lavatory).mp. |
|  | (urination or defecat\*).ti. |
|  | (urination or defecat\*).ab. /freq=2 |
|  | or/1-6 |
|  | Residential Facilities/ or Geriatric Nursing/ or nursing homes/ or Intermediate Care Facilities/ or skilled nursing facilities/ or homes for the aged/ or "Institutionalization"/ |
|  | (nursing adj2 (home\* or center\* or centre\* or facilit\*)).tw. |
|  | ((residential or extended or long term or intermediate or skilled) adj care).tw. |
|  | ((extended or long term or intermediate or skilled) adj facilit\*).tw. |
|  | ((elderly or senior\* or geriatric or veteran\*) adj (institution\* or home\* or facilit\* or unit\* or center\* or centre\*)).tw. |
|  | rest home\*.tw. |
|  | convalescen\* home\*.tw. |
|  | assisted care facilit\*.tw. |
|  | continuing care.tw. |
|  | extended care.tw. |
|  | or/8-17 |
|  | 7 and 18 |
|  | disablement process.tw. |
|  | exp "Activities of Daily Living"/ |
|  | (activit\* of daily living or ADL\*).mp. |
|  | 21 or 22 |
|  | 7 or 23 |
|  | 20 and 24 |
|  | 19 or 25 |

Search Strategy 2

|  |  |  |
| --- | --- | --- |
| Database | # of citations retrieved | Search Strategy |
| medline in process | 42 | Default |
| medline 1946- | 643 | Default |
| embase 1996- | 859 | Default |
| psycinfo 1987- | 232 | Default |
| cinahl | 776 | Default |
| abstracts in gerontology | 220 | Default |
| CDSR Cochrane Database of Systematic Reviews | 9 | (Urinat\* or defecat\* or daefecat\* or toilet\*) AND (institution\* OR home\* or residential or "continuing care" or "long term care") AND (adult\* OR elder\* OR senior\* OR geriatric\* ) |
| DARE | 1 | Default |
| Central Registry of Trials | 93 | Default |
| wofsc SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, CCR-EXPANDED, IC. | 285 | (Urinat\* or defecat\* or daefecat\* or toilet\*) AND (institution\* OR home\* or residential or "continuing care" or "long term care") AND (adult\* OR elder\* OR senior\* OR geriatric\* ) |
| scopus | 394 | TITLE-ABS-KEY ( ( toilet\* ) AND ( institution\* OR "nursing home\*" OR residential OR "continuing care" OR "long term care" ) AND ( adult\* OR elder\* OR senior\* OR geriatric\* ) ) |
| sociological abstracts | 59 | (toilet OR toileting OR urination OR bladder) AND (adult\* OR elder\* OR senior\* OR geriatric\* OR gerontol\*) |
| TOTAL | 3613 |  |

Inclusion Criteria

|  |  |
| --- | --- |
| **Include (y) or Exclude (n) Question** | **Reason for Exclusion** |
| Is the article published in English? | Not published in English |
| Does the study report on individuals aged 65 years or older of any race, ethnicity, or cultural group residing in long term care? | Wrong patient population |
| The article is not a case report, case series, or a non-systematic review. | Wrong Study Design |
| Is the sample size greater than 10 participants? | Wrong Sample Size |
| Does the study examine risk factors related to physical functions that contribute to the loss of successful independent toileting?  AND  Was the word “toileting” or “washroom” mentioned at least once in the article | Wrong Study Topic |
| (For systematic reviews only) Are the original research information provided? | Systematic Review does not include original research information |
| Is the Full Text available? | Full-Text not available |