**Supplementary Material**

**Supplementary Material 1: Key concepts and search terms**

|  |  |  |
| --- | --- | --- |
| Population | Nutrition-related content | Types of tools |
| old\* OR adult\* OR individual\* OR people OR person\* OR resident\* OR family OR carer\* OR caregiver\* OR care giver\* OR elder\* OR geriatric OR elder\* OR frail OR pensioner\* OR retire\* OR veteran\* OR dementia\* OR alzheimer\* | nutrition\* OR diet\* OR food\* OR fluid\* OR malnutrition OR hydration OR knowledge OR attitude\* OR education OR literacy OR understand\* | survey\* OR tool\* OR questionnaire\* OR checklist\* OR test\* OR instrument\* OR interview\* OR scale\* |

**Supplementary Material 2: Search Strategy (MEDLINE)**

1 "surveys and questionnaires"/

2 checklist/

3 interview/

4 interviews as topic/

5 health care surveys/

6 health surveys/

7 nutrition surveys/

8 diet surveys/

9 patient health questionnaire/

10 or/1-9

11 (nutrition\* or diet\* or food\* or fluid\*).mp.

12 10 and 11

13 ((nutrition\* or diet\* or food\* or fluid\*) adj3 (survey\* or tool\* or questionnaire\* or checklist\* or test\* or instrument\* or interview\* or scale\*)).tw.

14 or/12-13

15 health literacy/

16 health education/

17 exp Attitude to Health/

18 or/15-17

19 (nutrition\* or diet\* or food\* or fluid\*).mp.

20 18 and 19

21 Nutritional requirements/

22 Elder Nutritional Physiological Phenomena/

23 nutrition disorders/

24 malnutrition/

25 deficiency diseases/

26 nutritive value/

27 overnutrition/

28 obesity/

29 exp Protein Deficiency/

30 Energy intake/

31 exp beverages/

32 exp Dietary carbohydrates/

33 exp dietary fats/

34 exp dietary protein/

35 exp dietary fiber/

36 exp dietary supplements/

37 or/21-36

38 (knowledge or attitude\* or education or literacy or understand\*).mp.

39 37 and 38

40 ((nutrition\* or diet\* or food\* or fluid\*) adj3 (knowledge or attitude\* or understand\* or education or literacy)).tw.

41 ((malnutrition or hydration) adj3 (knowledge or attitude\* or understand\*)).tw.

42 or/39-41

43 20 or 42

44 exp Dementia/

45 exp Aged/

46 Caregivers/

47 or/44-46

48 (old\* adj1 (adult\* or individual\* or people or person\* or resident\*)).mp.

49 (family adj1 (carer\* or caregiver\* or care giver\*)).mp.

50 elder\*.mp.

51 or/48-50

52 47 and 51

53 (old\* adj1 (adult\* or individual\* or people or person\* or resident\*)).tw.

54 geriatric.tw.

55 elder\*.tw.

56 frail.tw.

57 pensioner\*.tw.

58 retire\*.tw.

59 Veteran\*.tw.

60 dementia\*.tw.

61 alzheimer\*.tw.

62 or/53-61

63 52 or 62

64 14 and 43 and 63

65 limit 64 to english language

**Supplementary Material 3: Grey Literature Databases and Search Strategies**

|  |  |
| --- | --- |
| **Database**  | **Search Strategies used** |
| **Google Search** | (“older adults” OR “older individuals” OR “older people” OR elderly) AND ((nutrition OR diet OR food) AROUND(3) (knowledge OR understanding OR literacy)) AND (survey OR tool OR questionnaire OR checklist OR test OR instrument OR interview OR scale) |
| **Google Scholar Search** | (older adults OR older individuals OR elderly) AND (nutrition OR diet OR food) AND (knowledge OR understanding OR literacy) AND (survey OR tool OR questionnaire OR test OR instrument OR interview) |
| **Grey literature databases:*** Grey Matters
* Open Grey, CDC (US)
* MedNar
* Bielefeld Academic Search Engine (BASE)
* Science Research
* National Grey Literature Collection
 | **Comprehensive Search\*:** (older adults OR older individuals OR older people OR elderly OR frail OR retiree OR pensioner OR veteran OR Dementia OR alzheimer) AND (nutrition OR diet OR food OR fluid) AND (knowledge OR understanding OR literacy OR education OR Attitudes) AND (survey OR tool OR questionnaire OR test OR instrument OR interview OR scale)**Simplified Search\*:** (Older adults OR elderly) AND (nutrition or food) AND (literacy OR knowledge) AND (survey OR questionnaires)**Broad Search\*:** (Older adults OR elderly) AND nutrition knowledge |
| **\****Multiple search strategy was utilised, from comprehensive search strategy towards broad search strategy when few or no results were found.* |