

Appendix A: Screening Tool

Citation and Title Screening

1. Does the citation indicate publication on or after 2000?

Yes: continue screening

No: stop screening

2. Does the title use English?

Yes: continue screening

No: stop screening

3. Is an abstract available?

Yes: continue screening

No: stop screening

Abstract/Full-text Study Screening

4. Does the abstract/full-text study use English?

Yes: continue screening

No: stop screening

5. Does the abstract/full-text study indicate that the study evaluated an intervention (an intervention is tested and effects are described – doesn't matter if qualitative, quantitative, or mixed-methods design)?

Yes or Unsure: continue screening

No: stop screening

6. Does the abstract/full-text study indicate that the studied intervention used technology?

Yes or Unsure: continue screening

No: stop screening

7. Does the abstract/full-text study indicate that the study population is aged 55 and older?

Yes: continue screening

No: stop screening

8. Does the abstract/full-text study indicate that the study population consist of healthy older adults/older adults in general OR older adults with cognitive impairments or dementia?

Yes: continue screening

Definition cognitive impairments/dementia: people with a diagnosis of Alzheimer's disease, vascular dementia, frontotemporal dementia, Pick's disease, Lewy body dementia, Korsakoff syndrome, Creutzfeldt-Jakob disease, Parkinson's disease dementia, Posterior Cortical Atrophy (PCA), cognitive impairment – such as Mild Cognitive Impairment (MCI) – and non-specified dementia

No: stop screening

9. Does the abstract/full-text study indicate that the older adults were community-dwelling?

Yes or Unsure or not mentioned: continue screening

For example: the study population was living independently in the community, living in the community with friends, family and/or informal caregivers, or living in an assisted living facility/residential aged care.

No: stop screening

For example: The study population was living in a nursing home.

10. Does the abstract/full-text study indicate that the at least one outcome is related to the older adult with or without cognitive impairment or dementia)?

Yes or Unsure: continue screening

No: stop screening

For example: The outcomes are related to the intervention (e.g. the acceptability/usability of the intervention/technology).

11. (a) Does the abstract/full-text study clearly state that the intervention was intended to improve social participation or to reduce social isolation/loneliness of the older adult?

OR

(b) Does the abstract/full-text study indicate that at least one outcome is related to the social participation/social isolation/loneliness of the older adult?

Yes or Unsure or not mentioned: continue screening

We use the definition of social participation by Levasseur, Richard, Gauvin, and Raymond: a "person's involvement in activities that provide interaction with others in society or the community". (2010, p. 2148)¹

No: stop screening

Inclusion/Exclusion Decision

a. Included, all questions were answered "Yes", "Unsure" or "Not mentioned"

b. Excluded, at least one question was answered definitely "No"

¹ Levasseur, M.; Richard, L.; Gauvin, L.; Raymond, É. Inventory and analysis of definitions of social participation found in the aging literature: Proposed taxonomy of social activities. *Soc. Sci. Med.* **2010**, *71*, 2141-2149. doi:10.1016/j.socscimed.2010.09.041