

# Digital health interventions for chronic disease management among older adults in developed countries: A scoping review

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## Background

### Chronic diseases

- Globally, around 80% percent of older adults aged 65 years or more are living with at least have one chronic disease.
- Older adults living with chronic disease require greater healthcare services.
- But these healthcare services are not always easily accessible.

### Digital health

- The COVID-19 pandemic has resulted in unprecedented changes in the provision of healthcare services for older adults.
- During the COVID-19 pandemic, digital health interventions for chronic disease management were developed out of necessity.
- However, there is scarce information on available digital health intervention specially for chronic disease management among older adults.

### Objectives

- To identify available digital health interventions such as emails, text messages, voice messages, telephone calls, video calls, mobile applications, and web-based platforms for chronic disease management for older adults in developed countries.

## Methods

We followed the six steps of the Arksey and O'Malley framework to conduct a scoping review.

### Search Strategy

- Data base included Medline, JBI EBP Database, PsycINFO and Scopus.

### Study Selection

- Two independent reviewers screened titles, abstract, and reviewed full-texts. A third reviewer resolved the conflicts.

### Data Extraction

- Data extracted from each study included study characteristics (i.e., author(s), year of publication, objectives, population, measures) and main findings on the digital interventions for chronic disease management.

## Results

- Study characteristics and findings are presented in Figures 1, 2, 3, and 4.

Figure 2. Number of publications by country

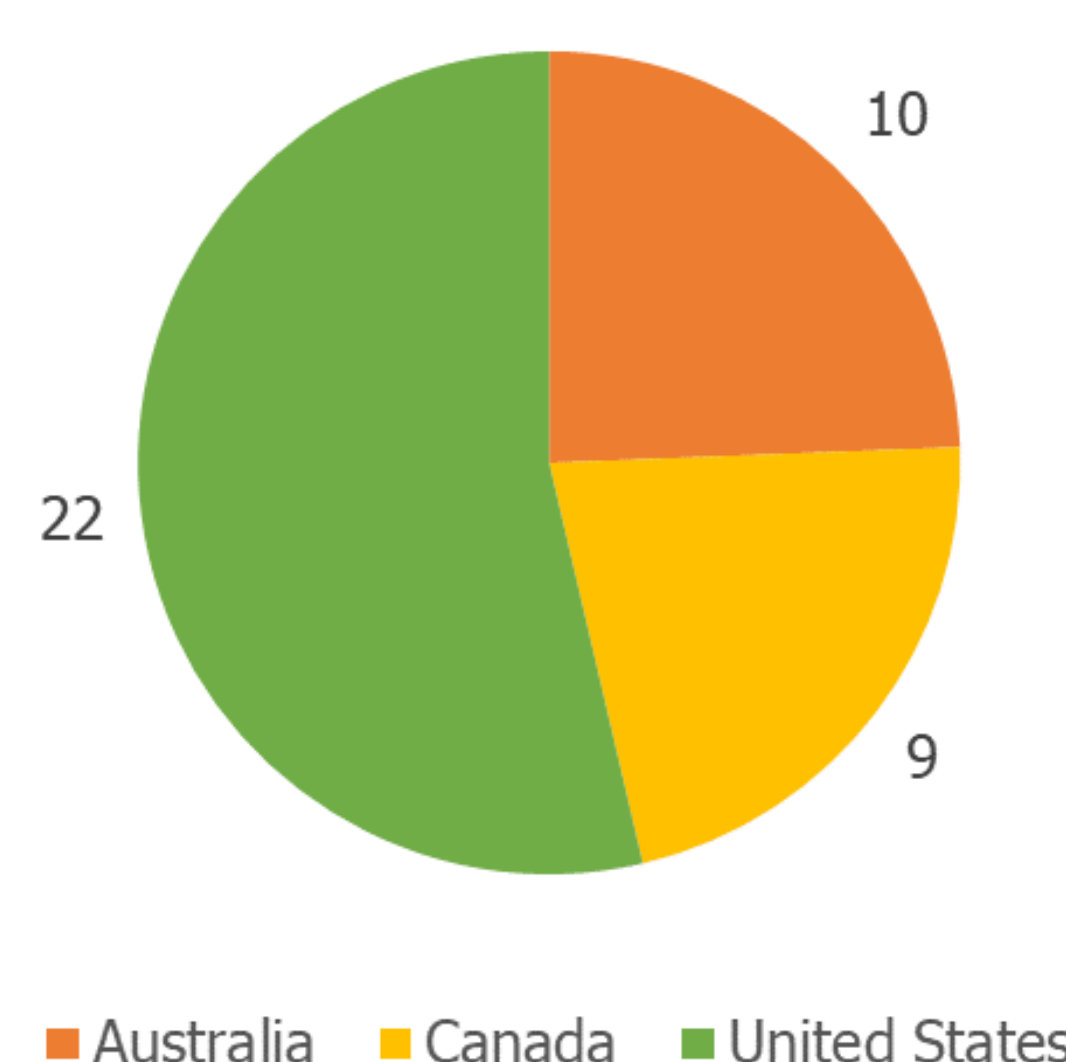


Figure 1. PRISMA flow diagram

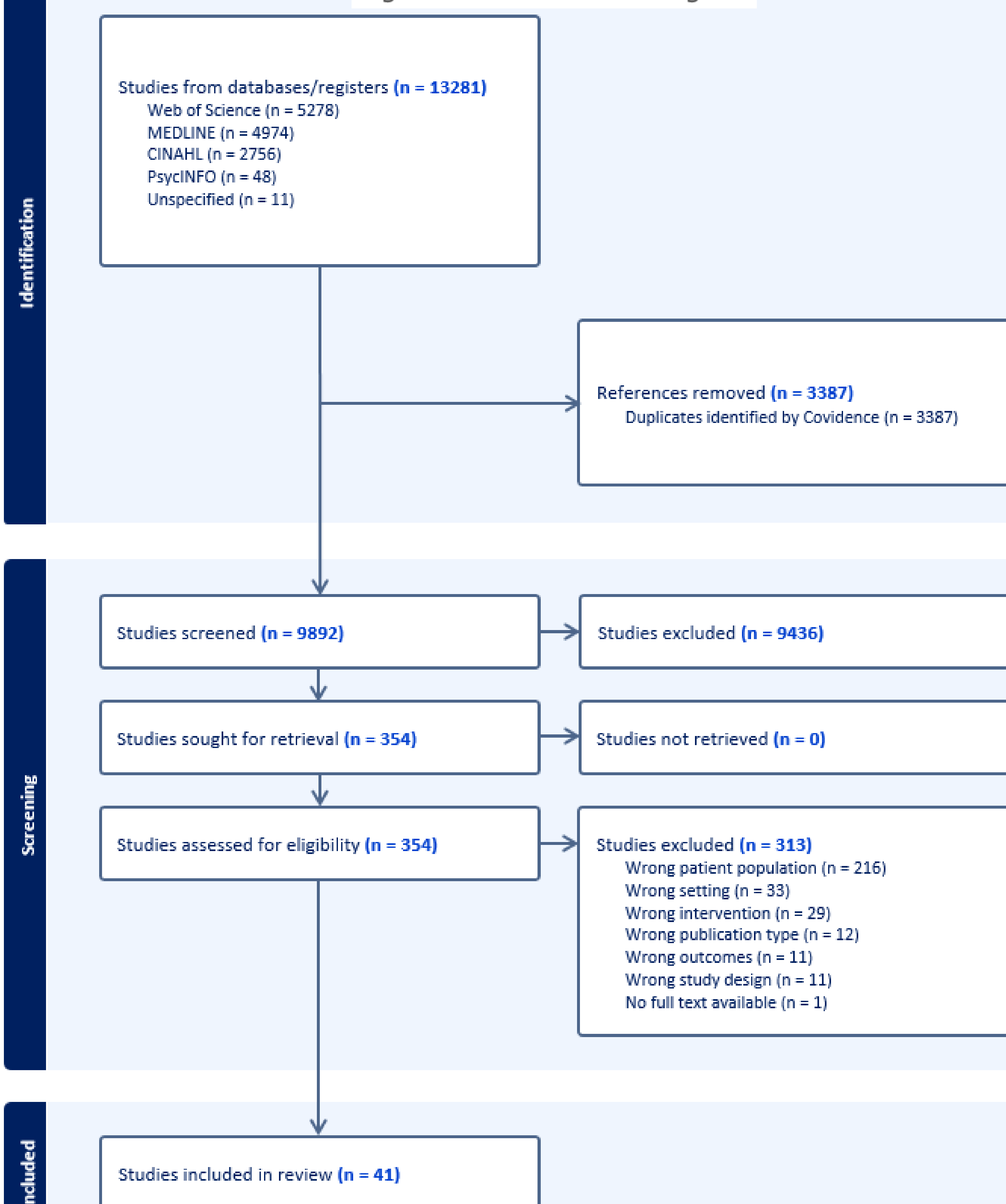


Figure 3. Number of publications by outcome

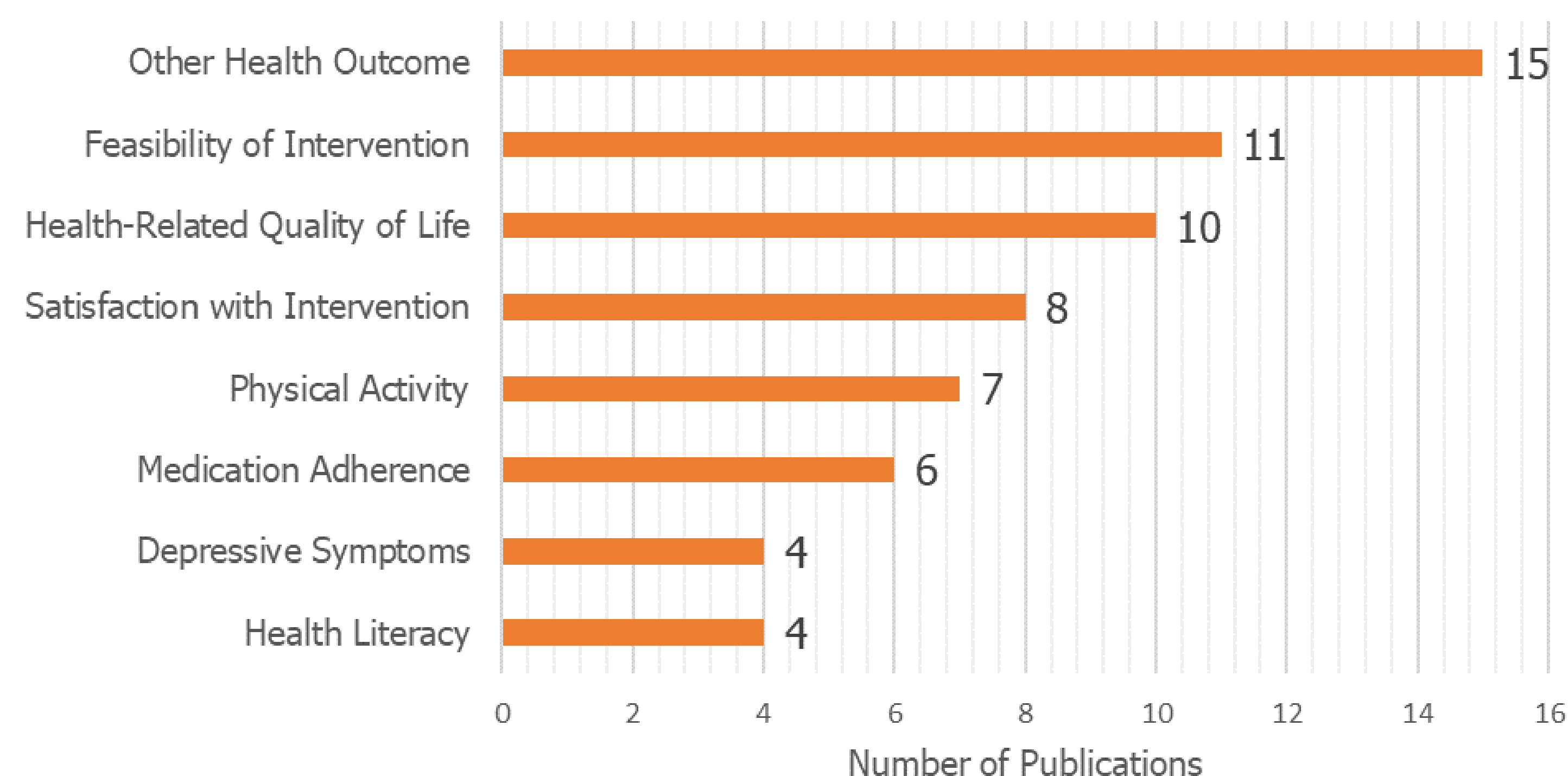
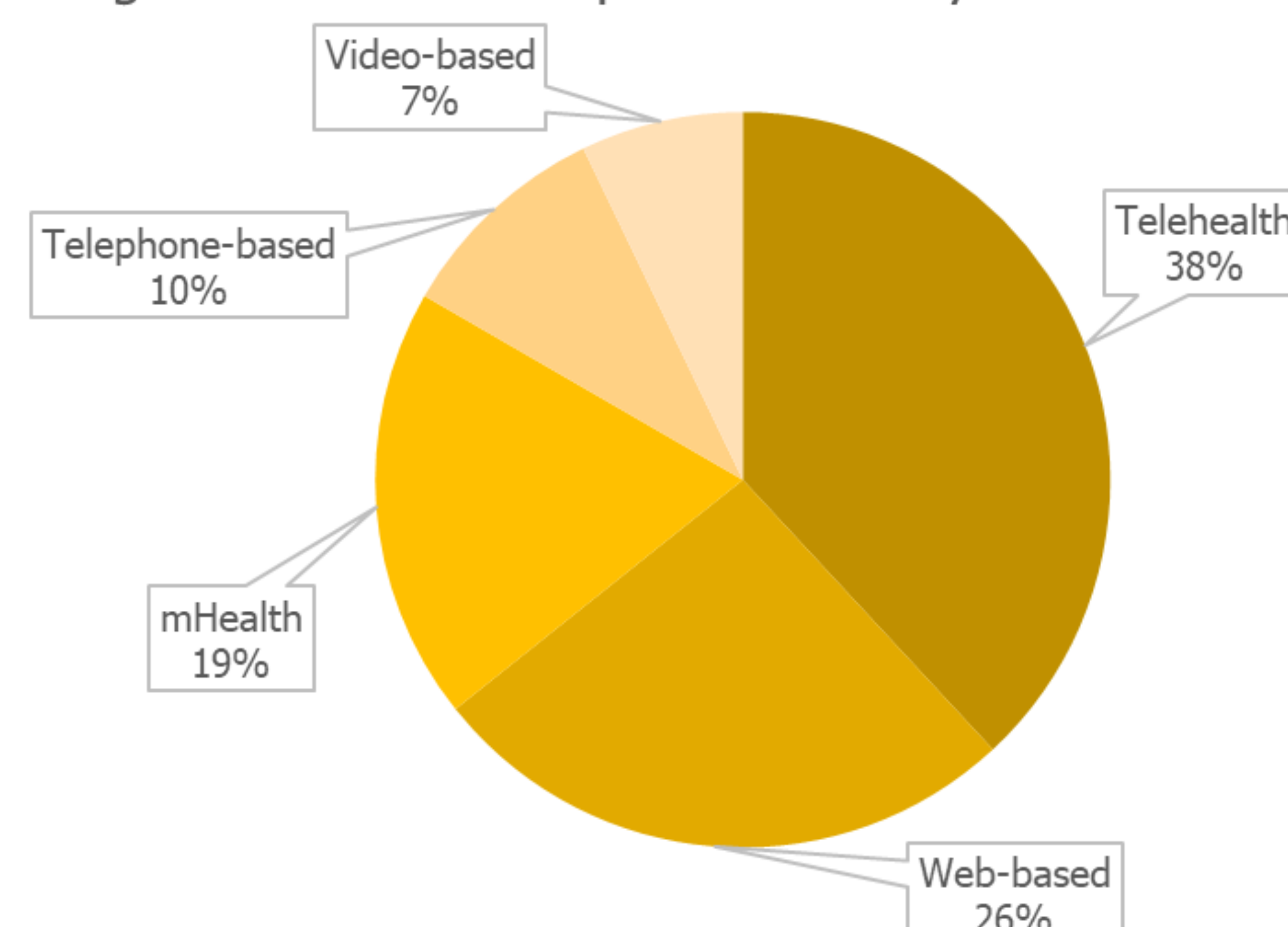


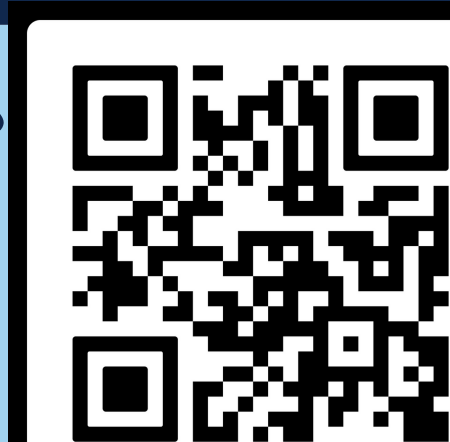
Figure 4. Number of publications by intervention type



## Conclusions

- Findings from this scoping review provide an overview of empirical evidence regarding digital health interventions for older adults living with chronic disease in developed countries.
- More evidence-based research is needed to better understand the feasibility and limitations associated with the use of digital health interventions for this population.
- Dissemination of findings at the stakeholder level is also crucial for policymakers in developed countries.

Scan the QR code  
for references!



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