

## Appendix 1. Literature review, search terms and hits

Source	Search terms	Hits	Selected for use
PubMed	((older adults[title/abstract] OR older people[title/abstract] OR seniors[title/abstract] OR elderly[title/abstract]) AND (technology[title/abstract])) AND intention[title/abstract] AND (factors [title/abstract] OR determinants[title/abstract] OR associations[title/abstract]))	22	6 <sup>1</sup>
CINAHL	(AB older adults OR AB older people OR AB seniors OR AB elderly) AND (AB technology) AND (intention) AND (AB factors OR AB determinants OR AB associations)	8	1 <sup>2</sup>
ScienceDirect	TITLE-ABSTR-KEY("older adults") or TITLE-ABSTR-KEY(elderly) or TITLE-ABSTR-KEY("older people") or TITLE-ABSTR-KEY(seniors) and TITLE-ABSTR-KEY(technology) and TITLE-ABSTR-KEY(intention) and TITLE-ABSTR-KEY(factors) or TITLE-ABSTR-KEY(determinants) or TITLE-ABSTR-KEY(associations)	23	2 <sup>3</sup>
Google Scholar	allintitle: (older OR elderly OR seniors) AND technology AND (intention) AND (factors OR determinants OR associations)	0	0
Web of Science	TS=(older adults OR seniors OR elderly OR older people) AND TS=(technology) AND TS=(intention) AND TS=(factors OR determinants OR associations)	84	10 <sup>4</sup>
Scopus	( TITLE-ABS-KEY ( older AND people ) OR TITLE-ABS-KEY ( older AND adults ) OR TITLE-ABS-KEY ( elderly ) OR TITLE-ABS-KEY ( seniors ) ) AND ( TITLE-ABS-KEY ( technology ) ) AND TITLE-ABS-KEY ( intention ) AND ( TITLE-ABS-KEY ( factors ) OR TITLE-ABS-KEY ( determinants ) OR TITLE-ABS-KEY ( associations ) ) AND PUBYEAR > 2006 AND ( LIMIT-TO ( LANGUAGE , "English" ) ) AND ( LIMIT-TO ( DOCTYPE , "ar" ) )	95	7 <sup>5</sup>
PsycINFO	((Older adults or Older people or Elderly or Seniors) and Technology and (Intention) and (Factors or Determinants or Associations)).tw.	17	2 <sup>6</sup>
		Selected	29
		Duplicates	18
		Finally included	11

1. Tsai et al. (2017) [14]; Hoque & Sorwar (2017) [15]; Cajita et al. (2017) [16]; de Veer et al. (2015) [8]; Tsai (2014) [17]; Tsai et al. (2013) [18]
2. Hoque & Sorwar (2017) [15]; Wang et al. (2011) [19]
3. Hoque & Sorwar (2017) [15]; Braun (2013) [20]
4. Tsai et al. (2017) [14]; Hoque & Sorwar (2017) [15]; Wang & Sun (2016) [21]; de Veer et al. (2015) [8]; Tsai (2014) [17]; Sintonen & Immonen (2013) [22]; Braun (2013) [20]; Tsai et al. (2013) [18]; Shah et al. (2012) [23]; Wang et al. (2011) [19]
5. Tsai et al. (2017) [14]; Hoque & Sorwar (2017) [15]; Wang & Sun (2016) [21]; de Veer et al. (2015) [8]; Tsai (2014) [17]; Braun (2013) [20]; Wang et al. (2011) [19]
6. Braun (2013) [20]; Wang et al. (2011) [19]