

Table S1. Summary of instruments to measure cancer literacy.

Instrument	Author(s)	Year of publication	Description	Domains/Themes	Validation sample population age:	Number of items:	Sample size in validation study:	Modes of administration	Approximate administration time (minutes)
Cancer Awareness Measure – CAM	Stubblings et al.	2009	Standardized measurement tool to assess cancer awareness, explore risk factors for poor cancer awareness, and develop and evaluate interventions to promote cancer awareness.	- Warning signs - Seeking help - Barriers to seeking help - Risk factors - Cancer and age - Most common cancers - NHS screening programmes	Adults: >=18 yrs	47	148	Face to face or telephone interview Online, paper self-complete or mailed survey	n/a*
The Cancer Literacy Score – CLS	Diviani, N. & Schulz, P.J.	2012	A comprehensive measure of a cancer literacy of the concept to go in the direction of a context- and content-specific concept of health literacy.	Prose: Comprehension An index formed by 37 knowledge items regarding different aspects of cancer: - cancer risk - detection and diagnosis - treatment - coping and information	Adolescents and adults: >=15 yrs	37	639	Face-to-face interview; Paper and pencil	n/a*
Cancer Message Literacy Test-Reading – CMLT-Reading	Mazor et al.	2012	The CMLT-Reading assesses comprehension of written messages on cancer prevention and screening.	Prose: Comprehension, Information seeking; Document	Adults: 40 to 70 years	23	1074	Self-administered; Paper and pencil	10
Cancer Message Literacy Test-Listening – CMLT-Listening	Mazor et al.	2012	Assesses comprehension of spoken messages related to cancer prevention and screening,	Prose: Comprehension; Communication: Listener	Adults: 40 to 70 years	48	1074	Self-administered; computer-based	60
Breast Cancer Literacy Assessment Tool - B-CLAT	Williams, Reckase, & Rivera-Vasquez;	2008	Breast cancer literacy assessment that measure functional literacy	Prose: Comprehension; It combined a multiple-choice and true/false format, and it had three domains: - cancer awareness - knowledge of screening - modalities prevention and control	Adults: 27 to 64 years	16	16	Verbal administration by lay people	10
	Williams, K.P., Templin, T.N., & Hines, R.D.	2013			Adults: 20 to 102 years	21	543	Verbal administration by lay people	---
Cervical Cancer Literacy Assessment Tool - C-CLAT	Williams, Reckase, & Rivera-Vasquez	2008	Cervical cancer literacy assessment that measure functional literacy	Prose: Comprehension; Three content domains: - awareness - knowledge - prevention/control	Adults: 27 to 64 years	12	16	Verbal administration by lay people	10
	Williams, K.P., & Templin, T.N	2013			Adults: 20 to 102 years	16	543	Verbal administration by lay people	---
30-Item Cancer Health Literacy Test – CHLT-30	Dumenci et al.	2014	Instrument designed to measure cancer health literacy along a continuum	Prose: Comprehension, Numeracy	Adults: 18 to 93 years	30	1306	Computer-based; Administration using	10 - 15

								touchscreen devices	
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Table S1. Cont.

Instrument	Measure validation		Reliability	Translation		Other Versions
	Language of validated version:	Country where validated:	Test-retest correlation Cronbach's alpha:	Translated/Adapted versions	Language	
Cancer Awareness Measure (CAM)	English	United Kingdom	Cronbach's alpha = 0.77	Breast Cancer Awareness Measurement Tool in Malaysia (B-CAM-M) (Htay et al. 2020)	Malay	1. CAM – modified version used since 2014 2. Bowel Cancer CAM 3. Breast Cancer CAM 4. Cervical Cancer CAM 5. Lung Cancer CAM 6. Ovarian Cancer CAM
				Arabic Breast Cancer Awareness Measure (Al-Khasawneh et al 2016)	Arabic	
				Persian version of the Breast Cancer Awareness Measure (BCAM) (Heidari & Feizi 2018)	Persian	
The Cancer Literacy Score - CLS	Italian	Switzerland	Cronbach's alpha = 0.769 Four-week test-retest reliability (r = .721, p < .001)	---	---	---
Cancer Message Literacy Test-Reading - CMLT-Reading	English	United States of America	Cronbach's alpha = 0.75	---	---	---
Cancer Message Literacy Test-Listening - CMLT-Listening	English	United States of America	Cronbach's alpha = 0.84	---	---	---
Breast Cancer Literacy Assessment Tool - B-CLAT	English	United States of America	Cronbach's alpha = 0.85	Spanish and Arabic version of the Breast Cancer Literacy Assessment Tool - B-CLAT (Rivera-Vasquez et al. 2009)	Spanish Arabic	---
	English Spanish Arabic		Cronbach's alpha = 0.73	---	---	
Cervical Cancer Literacy Assessment Tool - C-CLAT	English	United States of America	Cronbach's alpha = 0.87	Spanish and Arabic version of the Cervical Cancer Literacy Assessment Tool - C-CLAT (Rivera-Vasquez et al. 2009)	Spanish Arabic	---
	English Spanish Arabic		Cronbach's alpha = 0.72	---	---	

30-Item Cancer Health Literacy Test - CHLT-30	English	United States of America	Cronbach's alpha = 0.88 2 -week retest = 0.90 6 mo. Retest = 0.92	Cancer Health Literacy Test – 30 – Spanish – CHLT-30-DKSpa (Echeverri, Anderson & Nápoles, 2016)	Spanish	6-Item Cancer Health Literacy Test - CHLT-6 (Instrument designed to determine whether a patient has limited cancer health literacy)
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*n/a – Information not available