

Additional file 2 – Included studies

Author	Year	Study method	Tool type	Recall or real-time	Tool creator / name	Qual/Quant/Mixed	Cross-sectional/longitudinal	Country	Setting	Healthcare grp	n=	MMAS quality rating (max ****)
Al-Ghabeesh	2012	Survey	Questionnaire	Recall	Estabrooks'	Quantitative	Cross	Jordan	Hospital	Nurses	555	**
Amary-Risch	2009	Survey	Web-based questionnaire	Recall	Docstyles survey	Quantitative	Cross	USA	Primary care + hospital	Doctors	1500	*
Andrews	2005	Survey	Mailed questionnaire	Recall	Author designed	Quantitative	Cross	USA	Primary care	physicians, nurse practitioners, and physician assistants	59	*
Ankem	2003	Interviews	Telephone interview	Recall	Author designed	Mixed	Cross	USA	Hospital	Interventional radiologists	32	**
Apalayine	1996	Survey	Self-administered questionnaire	Recall	Unclear	Quantitative	Cross	Ghana	Primary care	Nurses and midwives	47	**
Arroll	2002	Observation + survey	Observation and questionnaire	Both	None for sources	Quantitative	Both	New Zealand	Primary care	Doctors	50	***

Asefzadeh	2008	Survey	Questionnaire	Recall	Unclear	Quantitative	Cross	Iran	All	Doctors, dentists	339	*
Barley	2008	Interviews	Semi-structured interviews with topic guide	Recall	N/A	Qualitative	Cross	England	Hospital or primary care - unclear	Psychiatrists	22	***
Bennett	2005	Survey	Faxed Questionnaire	Recall	Author designed	Quantitative	Cross	USA	Primary care	Doctors	457	**
Bennett	2006	Survey	Faxed Questionnaire	Recall	Author designed	Quantitative	Cross	USA	All	Doctors	2500	***
Bernard	2012	Survey	Online questionnaire	Recall	Author designed	Quantitative	Cross	France	Primary care	Doctors	721	*
Beaulieu	2008	Case study	Interviews	Recall	N/A	Qualitative	Cross	Canada	Primary care	Doctors	22	****
Bonner	2011	Interviews	One to one interviews	Recall	N/A	Qualitative	Cross	Australia	Hospital	Renal nurses	6	**
Botello-Harbaum	2013	Survey	Online or printed questionnaire	Recall	Author designed	Quantitative	Cross	USA	Primary care	Dentists	950	**
Bringsvor	2014	Interviews	Focus groups	Recall	N/A	Qualitative	Cross	Norway	Hospital	Intensive care nurses	20	****

Bryant	2004	Interviews	One to one and group interviews	Recall	N/A	Qualitative	Cross	UK	Primary care	Doctors	20	**
Buckley	2014	Survey	Online questionnaire	Recall	Author designed	Quantitative	Cross	Australia	Not specified	Nurse practitioners	208	**
Butzlaff	2002	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Germany	Primary care	Doctors	72	****
Callen	2008	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Mongolia	Hospital	Doctors	229	**
Chang	2009	Survey	Emailed questionnaire	Recall	Author designed	Quantitative	Cross	South Korea	Not specified	Dentists	840	*
Chew- Graham	2008	Interviews	Semi- structured interviews	Recall	N/A	Qualitative	Cross	UK	Primary care	Doctors	14	***
Clarke	2002	Case study	Interviews, focus group	Recall	N/A	Qualitative	Cross	UK	Primary care, hospital	Nurses	41	**
Codgill	2003	Survey and interviews	Mailed questionnaire and individual interviews	Recall	Author designed	Mixed	Cross	USA	Primary care	Nurse practitioners	14	**
Curley	1990	Survey	Questionnaire s	Recall	Unclear	Quantitative	Cross	USA	Hospital, primary care	Doctors	228	**
Dee	1993	Case study	Interviews	Recall	N/A	Qualitative	Cross	USA	Hospital, primary care	Doctors	12	**

Elliott	1991	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	USA	Not specified	Doctors	150	**
Estabrooks	1998	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Canada	Any	Nurses	600	***
Estabrooks	2005	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Canada	Hospitals	Nurses	230	**
		b										
Estabrooks	2005	Ethnographi	Observation;	Both	N/A	Qualitative	Both	Canada	Hospitals	Nurses	7 units;	**
		a	c	interview;							no info	
				card sort							on	
											participa	
											nts	
Fairhurst	1998	Case study	Interviews	Recall	N/A	Qualitative	Cross	UK	Primary care	Doctors	24	***
Gabbay	2004	Ethnographi	Interviews,	Both	N/A	Qualitative	Longitudinal	UK	Primary care	Doctors,nurses,	13	****
			c	observation,						phlebotomist		
				documentary								
				review								
Gagliardi	2008	Survey	Mailed	Recall	Author designed	Quantitative	Cross	Canada	Hospital,	Doctors	170	**
			questionnaire						community			
Gavino	2013	Survey	Internet and	Recall	Modified Olson,	Quantitative	Cross	Philipines	Not specified	Doctors	156	*
			paper		R., James, E. &							
			questionnaire		Fontelo, P. ¹							

¹ Information Access Trends Among Clinicians at a Community Hospital in Northeast Georgia. AMIA 2010 Symposium Proceedings [Internet]. 2010 [cited 2011 August 2]. pp. 1198. Accessible at: <http://proceedings.amia.org/120up3/1?highlightText=olson%20fontelo&>

Gerrish	2008	Survey	Questionnaire	Recall	Developing Evidence-Based Practice (DEBP) Questionnaire - Sources section based on Estabrooks'	Quantitative	Cross	UK	Hospital	Nurses	598	**
Gonzalez- Gonzalez	2007	Observation and interview	Video and interview	Both	N/A	Quantitative	Longitudinal	Spain	Primary care	Doctors	112	**
Gravois	1995	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	USA	Various	Hygienists	44	**
Jackson	2007	Survey	Postal Questionnaire	Recall	Author designed	Quantitative	Cross	UK	Primary care + hospital	Doctors, nurses	54	**
James	2010	Ethnograph y	Observation, interviews, conversation	Both	N/A	Qualitative	Longitudinal	Sweden	Hospital	Nurses	25	****
Kosteniuk	2006	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Canada	Various	Nurses	3933	***
Kosteniuk	2013	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Canada	Primary care	Doctors	331	***
Martinez- Silveira	2008	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Brazil	Hospital	Doctors	85	*
McCord	2007	Survey	Observation	Recall	N/A	Quantitative	Cross	USA	Hospital	Doctors	25	**

McGettigan	2001	Survey	Questionnaire	Recall	Unclear	Quantitative	Cross	Australia	Hospital and primary care	Doctors	226	**
McKnight	2006	Ethnograph y	Observation, interviews	Both	N/A	Qualitative	Longitudinal	USA	Hospital	Nurses	6	***
Mills	2009	Survey	Questionnaire	Recall	Developing Evidence-based Practice Questionnaire (DEPQ) (Gerrish et al. 2007)	Quantitative	Cross	Australia	Primary care	Nurses	590	***
Nail- Chiwetalu	2007	Survey	Questionnaire	Recall	Author designed based on Powell CA, Case-Smith J. ²	Quantitative	Cross	USA	Various	Speech and language pathologists	208	**
Neher	2014	Interviews	One to one	Recall	N/A	Qualitative	Cross	Sweden	Hospital and primary care	Rheumatology nurses	12	***
Nichols	2008	Ethnograph y	Observation and interview	Recall	N/A	Qualitative	Cross	UK	Hospital	Doctors, nurses	14	****
Nieri	2008	Survey	Questionnaire via telephone interview	Recall	Unclear but suspect author designed	Quantitative	Cross	Italy	Primary care	Dentists	123	***

² Information literacy skills of occupational therapy graduates: a survey of learning outcomes. J Med Libr Assoc 2003 Oct;91(4):468–77.

Norbert	2013	Survey	Questionnaire	Recall	Unclear but suspect author designed	Quantitative	Cross	Tanzania	Hospital	Doctors	215	*
Northup	1983	Critical incident technique	Telephone interview	Recall	Author designed	Quantitative	Cross	USA	Varios	Doctors	293	***
Nylenna	2000	Survey	Postal Questionnaire	Recall	Unclear	Quantitative	Cross	Norway	Primary car and hospital	Doctors	1276	**
O'Leary	2012	Interviews, Survey	Interviews, questionnaire	Recall	Author designed	Mixed	Cross	Ireland	Various	Nurses	29 interview w 377 survey	***
Oliveri	2004	Survey	Questionnaire	Recall	Unclear but suspect author designed	Quantitative	Cross	Denmark	Hospital	Doctors	226	*
Ozsoy	2008	Survey	Questionnaire	Recall	Estabrooks'	Quantitative	Cross	Turkey	Hospital	Nurses	498	**
Papp	2002	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	USA	Primary care	Doctors	105	*
Peay	1984	Survey	Interviews	Recall	N/A	Quantitative	Cross	Australia	Primary care	Doctors	124	*
Pelzer	1991	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	USA	Primary care	Vets	287	**
Perzeski	2012	Survey	Questionnaire (web)	Recall	Author designed	Quantitative	Cross	USA	Various	Podiatrists	143	*

Ramos	2003	Observation	Observation	Real-time	N/A	Quantitative	Longitudinal	USA	Primary care	Doctors	38	*
Rappolt	2002	Ethnography y	Interviews	Recall	N/A	Qualitative	Cross	Canada	Primary care + hospital	Rehabilitation therapists	24	***
Robertson	2011	Ethnography y	Interviews	Recall	N/A	Qualitative	Cross	Australia	Primary care	Doctors	40	***
Sarbaz	2016	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Iran	Hospital	Nurses	131	*
Secco	2006	Survey	Questionnaire	Recall	Nursing Information Use Survey (NIUS) - Winnipeg Childrens' Hospital	Quantitative	Cross	USA	Hospital	Nurses	113	*
Selvi	2002	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Turkey	Primary care	Dentists	133	**
Shelstad	1996	Survey	Questionnaire	Recall	Unclear but suspect author designed	Quantitative	Cross	USA	Primary care + hospital	Doctors	99	**
Sibbald	2013	Questionnaire, Interviews	Questionnaire, Interviews	Recall	Social Network Analysis Questionnaire - Author designed	Qualitative	Cross	Canada	Primary care	Nurses, doctors, allied healthcare	28	**

Stetler	1991	Interviews	Semi-structured interviews	Recall	N/A	Quantitative	Cross	USA	Hospital	Nurses	24	*
Straub-Morarend	2011	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	USA	Primary care	Dentists	518	*
Strother	1986	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	USA	Primary care + hospital	Dentists	344	**
Tabatabaei-Malazy	2012	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Iran	Any	Doctors	319	**
Thompson	2001 a 2001 b	Case study	Observation, interviews, document analysis, Q analysis	Both	N/A	Qualitative	Both	UK	Hospital	Nurses	108	***
Timpka	1989	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Sweden	Primary care	Doctors	186	**
Urquhart	1994	Vignettes	Vignettes	Recall	N/A	Qualitative	Cross	UK	Hospital and primary care	Nurses	64	***
Vollmar	2009	Survey	Questionnaire	Recall	Unclear but suspect author designed	Quantitative	Cross	Germany	Primary care	Doctors	264	**

Wardh	2009	Survey, interviews	Postal Questionnaire Focus group Interviews	Recall	<u>Unclear but suggests author designed Unclear but suspect author designed</u>	Mixed	Cross	Sweden	Primary care; hospital	Dentists	Questionnaire: 177. In focus groups: 15	**
Warren- Findlow	2010	Focus groups, interviews	Focus groups, interviews	Recall	N/A	Qualitative	Cross	USA	Primary care	Doctors, nurses, doctors' assistants	49	**
Weng	2013	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Taiwan	Hospital	Doctors, nurses, pharmacists, physical therapists, technicians	6160	***
Yadav	2012	Survey	Development of Evidence- Based Practice Questionnaire (Gerrish)	Recall	Developing Evidence-based Practice Questionnaire (DEPQ) (Gerrish et al. 2007)	Quantitative	Cross	Ireland	hospital, primary care	Nurses	145	**
Yousefi- Nooraie	2007	Survey	Questionnaire	Recall	Unclear	Quantitative	Cross	Iran	hospital	Doctors	250	*