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

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

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

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

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

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	Quantitative	Cross	Tanzania	Hospital	Doctors	215	*
					suspect author							
					designed							
Northup	1983	Critical	Telephone	Recall	Author designed	Quantitative	Cross	USA	Varios	Doctors	293	***
		incident	interview									
		technique										
Nylenna	2000	Survey	Postal	Recall	Unclear	Quantitative	Cross	Norway	Primary car	Doctors	1276	**
, and the second s	2000	Survey	rostar	neeun	oncical	Quantitutive	0000	normay	·	Doctors	1270	
			Questionnaire						and hospital			
O'Leary	2012	Interviews,	Interviews,	Recall	Author designed	Mixed	Cross	Ireland	Various	Nurses	29	***
		Survey	questionnaire								intervie	
											w	
											377	
											survey	
Oliveri	2004	Survey	Questionnaire	Recall	Unclear but	Quantitative	Cross	Denmark	Hospital	Doctors	226	*
					suspect author							
					designed							
Ozsoy	2008	Survey	Questionnaire	Recall	Estabrooks'	Quantitative	Cross	Turkey	Hospital	Nurses	498	**
Рарр	2002	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	USA	Primary care	Doctors	105	*
Реау	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	**
Downoold	2012	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	USA	Various	Podiatrists	143	*
Perzeski	2012	-										

2003	Observation	Observation	Real-	N/A	Quantitative	Longitudinal	USA	Primary care	Doctors	38	*
			time								
2002	Ethnograph	Interviews	Recall	N/A	Qualitative	Cross	Canada	Primary care +	Rehabilitation	24	***
	У							hospital	therapists		
2011	Ethnograph	Interviews	Recall	N/A	Qualitative	Cross	Australia	Primary care	Doctors	40	***
	у										
2016	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Iran	Hospital	Nurses	131	*
2006	Survey	Questionnaire	Recall	Nursing	Quantitative	Cross	USA	Hospital	Nurses	113	*
		~~~~~									
				Survey (NIUS) -							
				Winnipeg							
				Childrens'							
				Hospital							
2002	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Turkey	Primary care	Dentists	133	**
1996	Survey	Questionnaire	Recall	Unclear but	Quantitative	Cross	USA	Primary care +	Doctors	99	**
				suspect author				hospital			
				designed							
2013	Questionnai	Questionnaire	Recall	Social Network	Qualitative	Cross	Canada	Primary care	Nurses, doctors,	28	**
	re,	, Interviews		Analysis					allied healthcare		
	re, Interviews	, Interviews		Analysis Questionnaire -					allied healthcare		
	2002 2011 2016 2006 2006	2002 Ethnograph y 2011 Ethnograph y 2016 Survey 2006 Survey 2002 Survey 1996 Survey	2002EthnographInterviewsyInterviews2011EthnographInterviewsyVV2016SurveyQuestionnaire2006SurveyQuestionnaire2007SurveyQuestionnaire1996SurveyQuestionnaire	<ul> <li>time</li> <li>time</li> <li>thograph</li> <li>nterviews</li> <li>Recall</li> <li>thograph</li> <li>Interviews</li> <li>Recall</li> <li>y</li> <li>Survey</li> <li>Questionnaire</li> <li>Recall</li> </ul>	<ul> <li>time</li> <li>2022 Ethnograph Interviews Recall N/A</li> <li>y</li> <li>2011 Ethnograph Interviews Recall N/A</li> <li>y</li> <li>2016 Survey Questionnaire Recall Author designed</li> <li>2006 Survey Questionnaire Recall Nursing</li> <li>1010 Information Use</li> <li>1010 Survey Questionnaire Information Use</li> <li>1010 Survey Questionnaire Hospital</li> <li>2006 Survey Questionnaire Recall Nursing</li> <li>2007 Survey Questionnaire Recall Nursing</li> <li>2008 Survey Questionnaire Recall Nursing</li> <li>2009 Survey Questionnaire Recall Survey NilUS) -</li> <li>2001 Vinnipeg</li> <li>2002 Survey Questionnaire Recall Survey</li> <li>2002 Survey Questionnaire Recall Survey</li> <li>2003 Survey Questionnaire Recall Survey</li> </ul>	<ul> <li>time</li> <li>time</li> <li>thnograph Interviews Recall N/A</li> <li>gualitative</li> <li>y</li> <li>Ethnograph Interviews Recall N/A</li> <li>Qualitative</li> <li>y</li> <li>2016 Survey Questionnaire Recall Author designed Quantitative</li> <li>survey Questionnaire Recall Information Use</li> <li>Survey Questionnaire Kecall Information Use</li> <li>Survey NIUS) -</li> <li>Guantitative</li> <li>Survey Questionnaire Recall Author designed Quantitative</li> <li>Survey Questionnaire Recall Author designed Quantitative</li> <li>Survey Questionnaire Recall Author designed</li> <li>Survey Questionnaire Recall Author designed Quantitative</li> <li>Survey Questionnaire Recall Author designed Quantitative</li> <li>Survey Questionnaire Recall Author designed Quantitative</li> </ul>	time2002EthnographInterviewsRecallN/AQualitativeCrossγ2014EthnographInterviewsRecallN/AQualitativeCrossγ2015SurveyQuestionnaireRecallAuthor designedQuantitativeCross2006SurveyQuestionnaireRecallNursingQuantitativeCross2007SurveyQuestionnaireRecallNursingQuantitativeCross2008SurveyQuestionnaireRecallNursingQuantitativeCross2004SurveyQuestionnaireRecallNursingQuantitativeCross2005SurveyQuestionnaireRecallNursingQuantitativeCross2006SurveyQuestionnaireRecallNursingQuantitativeCross2007SurveyQuestionnaireRecallAuthor designedQuantitativeCross2008SurveyQuestionnaireRecallUnclear butQuantitativeCross2009SurveyQuestionnaireRecallUnclear butQuantitativeCross2009SurveyQuestionnaireRecallUnclear butQuantitativeCross2005SurveyQuestionnaireRecallUnclear butGuantitativeCross2006SurveyQuestionnaireRecallUnclear butGuantitativeCross2007SurveyQuestionnaireRecallU	<ul> <li>time</li> <li>2002 Ethnograph Interviews Recall N/A Qualitative Cross Canada</li> <li>y</li> <li>2011 Ethnograph Interviews Recall N/A Qualitative Cross Australia</li> <li>y</li> <li>2016 Survey Questionnaire Recall Nursing Quantitative Cross Iran</li> <li>2006 Survey Questionnaire Recall Nursing Quantitative Cross USA</li> <li>2016 Survey Questionnaire Recall Nursing Quantitative Cross USA</li> <li>2017 Function Survey Questionnaire Recall Nursing Quantitative Cross USA</li> <li>2018 Survey Questionnaire Recall Nursing Quantitative Cross USA</li> <li>2019 Survey Questionnaire Recall Nursing Quantitative Cross USA</li> <li>2010 Survey Questionnaire Recall Nursing Cuantitative Cross USA</li> <li>2010 Survey Questionnaire Recall Nursing Cuantitative Cross USA</li> <li>2011 Survey Nursing Cuantitative Cross USA</li> <li>2012 Survey Questionnaire Recall Author designed Quantitative Cross USA</li> <li>2013 Survey Questionnaire Recall Author designed Quantitative Cross USA</li> <li>2014 Survey Survey Questionnaire Recall Author designed Quantitative Cross USA</li> <li>2015 Survey Questionnaire Recall Author designed Quantitative Cross USA</li> <li>2016 Survey Questionnaire Recall Author designed Quantitative Cross USA</li> <li>2017 Survey Questionnaire Recall Author designed Quantitative Cross USA</li> </ul>	<ul> <li>time</li> <li>2002 Ethnograph Interviews Recall N/A Qualitative Cross Canada Primary care hospital</li> <li>2011 Ethnograph Interviews Recall N/A Qualitative Cross Australia Primary care y</li> <li>2016 Survey Questionnaire Recall Author designed Quantitative Cross Iran Hospital</li> <li>2006 Survey Questionnaire Recall Information Use Survey (NIUS) - Survey (NIUS) -</li></ul>	<ul> <li>time</li> <li>2002 Ethnograph Interviews Recall N/A Qualitative Cross Canada Primary care Rehabilitation hospital therapists</li> <li>2011 Ethnograph Interviews Recall N/A Qualitative Cross Australia Primary care Doctors</li> <li>2013 Survey Questionnaire Recall Author designed Quantitative Cross Iran Hospital Nurses</li> <li>2016 Survey Questionnaire Recall Nursing Quantitative Cross USA Hospital Nurses</li> <li>2017 Information Use Survey NUES - Survey (NUES) - Survey (N</li></ul>	time         2002       Ethnograph       Interviews       Recail       N/A       Qualitative       Cross       Canada       Primary care +       Rehabilitation       24 $\gamma$ Interviews       Recail       N/A       Qualitative       Cross       Australia       Primary care +       Rehabilitation       24         2011       Ethnograph       Interviews       Recail       N/A       Qualitative       Cross       Australia       Primary care       Doctors       40         2016       Survey       Questionnaire       Recail       Author designed       Quantitative       Cross       Iran       Hospital       Nurses       131         2006       Survey       Questionnaire       Recail       Nursing       Quantitative       Cross       USA       Hospital       Nurses       131         2006       Survey       Questionnaire       Recail       Nursing       Quantitative       Cross       USA       Hospital       Nurses       132         2002       Survey       Questionnaire       Recail       Author designed       Quantitative       Cross       USA       Hospital       Survey       Potors       \$133         2004       Survey       Questionnai

Stetler	1991	Interviews	Semi-	Recall	N/A	Quantitative	Cross	USA	Hospital	Nurses	24	*
			structured									
			interviews									
Straub-	2011	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	USA	Primary care	Dentists	518	*
Morarend												
Strother	1986	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	USA	Primary care +	Dentists	344	**
									hospital			
Tabatabaei-	2912	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Iran	Any	Doctors	319	**
Malazy												
Thompson	2001	Case study	Observation,	Both	N/A	Qualitative	Both	UK	Hospital	Nurses	108	***
	а		interviews,									
	2001		document									
	b		analysis, Q									
			analysis									
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	Nurses	64	***
									primary care			
Vollmar	2009	Survey	Questionnaire	Recall	Unclear but	Quantitative	Cross	Germany	Primary care	Doctors	264	**
					suspect author							

Wardh	2009	Survey,	Postal	Recall	Unclear but	Mixed	Cross	Sweden	Primary care;	Dentists	Questio	**
- arun	2005			nccan		iiincu	0.000	Sweden	-	Dentists		
		interviews	Questionnaire		suggests author				hospital		nnaire:	
			Focus group		<u>designed</u> Unclear						177. In	
			Interviews		but suspect						focus	
					author designed						groups:	
											15	
Warren-	2010	Focus	Focus groups,	Recall	N/A	Qualitative	Cross	USA	Primary care	Doctors, nurses,	49	**
Findlow		groups,	interviews							doctors'		
		interviews								assistants		
Weng	2013	Survey	Questionnaire	Recall	Author designed	Quantitative	Cross	Taiwan	Hospital	Doctors, nurses,	6160	***
										pharmacists,		
										physical		
										therapists,		
										technicians		
Yadav	2012	Survey	Development	Recall	Developing	Quantitative	Cross	Ireland	hospital,	Nurses	145	**
			of Evidence-		Evidence-based				primary care			
			Based Practice		Practice							
			Questionnaire		Questionnaire							
			(Gerrish)		(DEPQ) (Gerrish et							
					al. 2007)							
Yousefi-	2007	Survey	Questionnaire	Recall	Unclear	Quantitative	Cross	Iran	hospital	Doctors	250	*
Nooraie												