

Supplement 1: SDM Assessment Tool

	Patient activation	Bi-directional exchange of information	Bi-directional deliberation of options
Full SDM Process	1	1	1
Unclear deliberation in SDM Process	1	1	?
Unclear information and deliberation in SDM Process	1	?	?
Unclear SDM Process	?	?	?
No SDM Process	0/?/1	0/?/1	0

Criteria met = 1, criteria not met = 0, unclear = ?

Similar to Martinez-Gonzalez, et al 2018 [1].

1. Martinez-Gonzalez NA, Plate A, Senn O, Markun S, Rosemann T, Neuner-Jehle S. Shared decision-making for prostate cancer screening and treatment: a systematic review of randomised controlled trials. *Swiss medical weekly*. 2018;148:w14584.

Supplement 2: Search strategy

Textword search strategy:

Columns are linked with AND, word in columns with OR.

			decision support		
			joint decision		
			choice		
			choice behaviour		
			informed choice		
			individual * decision		
			provision of		
			information cognitive		
			empowerment		
		dialogu *	patient		
		patient-provider	empowerment		
		interpersonal	informati *		
	pneumococc	face-to-face	risk communication		
	*	face to face	decision* coaching		
	shingles	in person	coaching		controlled trial
	herpes zoster	participative	improve		rct
	influenza	communication-	comprehensi *		controlled
	flu	based	improve understand		clinical trial
Adult	measles	communication	*	immune *	randomized trial
*	MMR	based	improve knowledge	vaccin *	randomized
elderl	pertussis	dialogue-based	enhance comprehensi	unvaccin *	controlled trial
*	diphtheria	dialogue based	*	unimmune *	groups
aged	tetanus	telephon *	enhance understand *		trial
	poliomyelitis	personal *	enhance knowledge		double blind
	polio	individual *	shared decision-		random *
	rubella	counsel *	making		
	mumps	comunicati *	shared decision		
	whooping	professional-patient	making		
	cough	professional patient	shared		
		interact*	decisionmaking		
			patient participation		
			patient involvement		
			participat * decision		
			making		
			participat * decision-		
			making participat *		
			decisionmaking		
			informed consent		
			individual choice		

Textword search strategy used for:

- Medline
Search 2: +filter for CCT, RCT, review, systematic review
- Embase
Search 2: +filter for CCT, RCT, systematic review
- CENTRAL
- PsycINFO
- ERIC

Medline thesaurus search (2 February 2020) via ovid + Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily and Versions

Columns are linked with AND, word in columns with OR.

		exp Informed Consent/		
		exp Decision Support System/		
		exp Diplomacy/		
		exp Decision Making/		
	exp Professional Patient Relationship/	exp Negotiating/		
	exp Patient Participation/	exp Patient Advocacy/	exp Immunization/	
	exp Health Personnel Attitude/	exp Consumer Health Information/	exp Vaccination/	
exp Adult/	exp Health Knowledge, Attitudes, Practice/	exp Health Literacy/	exp Vaccination Coverage/	
exp Young Adult/	exp Patient Centered Care/	exp Medical Information/	exp Vaccination Refusal/	exp Randomized Controlled Trial/
	exp Persuasive Communication/	exp Attitude to Health/	exp Anti-Vaccination Movement/	
	exp Interpersonal Communication/	exp Information Seeking/	exp Vaccine Hesitancy/	
	exp Health Communication/	exp Patient Attitude/		
		exp Decision Support Technique/		
		exp Patient Education/		

Embase (2 February 2020) via ovid

exp Adult/ or exp aged/
 exp Professional Patient Relationship/ or exp Patient participation/ or exp Health Personnel Attitude/ or exp Health Knowledge, Attitudes, Practice/ or exp Patient Centered Care/ or exp Persuasive Communication/ or exp Health Communication/
 exp Informed Consent/ or exp Decision Support System/ or exp Decision Making/ or exp Negotiating/ or exp Patient advocacy/ or exp Health Education/ or exp Consumer Health Information/ or exp Health Literacy/ or exp Medical Information/ or exp Attitude To Health/ or exp Information Seeking/ or exp Patient Attitude/ or exp Decision Support Technique/ or exp Patient Education/
 exp Immunization/ or exp Vaccination/ or exp Vaccination Coverage/ or exp Vaccination refusal/ or exp Anti-Vaccination Movement/ or exp Vaccine hesitancy/
 exp Randomized Controlled Trial/
Search 2: + filter for RCT, controlled trial and systematic review

PsycINFO thesaurus search (2 February 2020) via EBSCO

DE "Immunization" AND (DE "Communication" OR DE "Interpersonal Communication" OR DE "Verbal Communication" OR DE "Persuasive Communication" OR DE "Interpersonal Influences" OR DE "Interpersonal communication" OR DE "Communication Skills" OR DE "Communication Skills Training" OR DE "Verbal Communication" OR DE "Electronic

Communication" OR DE "Interpersonal Interaction" OR DE "Conversation") AND (DE "Individual Education Program" OR DE "Individualized Instruction" OR DE "Client Participation" OR DE "Client Satisfaction" OR DE "Client Education" OR DE "Decision Making" OR DE "Choice Behavior" OR DE "Decision Theory" OR DE "Informed Consent" OR DE "Decision Support Systems")

ERIC thesaurus search (2 February 2020) via EBSCO

(DE "Adults" OR DE "Adult Students" OR DE "Older Adults" OR DE "Young Adults")
AND (DE "Immunization Programs")
AND (DE "Communication (Thought Transfer)" OR DE "Interaction" OR DE "Interpersonal Relationship" OR DE "Patient Education" OR DE "Counselling" OR DE "Discussion" OR DE "Interpersonal Communication" OR DE "Verbal Communication" OR DE "Communication Skills" OR DE "Counselor Client Relationship" OR DE "Physician Patient Relationship")
AND (DE "Decision Making" OR DE "Informed Consent" OR DE "Health Education" OR DE "Participation" OR DE "Individualized Programs" OR DE "Decision Support Systems" OR DE "Participative Decision Making")

CENTRAL thesaurus search (5 February 2020)

Adult
Immunization Vaccination
Communication Health Communication Persuasive Communication Interpersonal Relations
Professional-Patient Relations Physician-Patient Relations Counselling
Decision Making, Shared Decision Making Clinical Decision Making, Decision Aids Decision Support Techniques Decision Support Systems, Clinical Informed Consent Choice Behavior Patient participation
Randomized Controlled Trial

PROSPERO search (5 February 2020)

(vaccin* OR unvaccine* OR immun* OR unimmun*) AND (Intervention OR Systematic Review):RT AND (Care_of_the_elderly OR education OR general_interest OR Health inequalities/health equity OR Mental health and behavioural conditions OR Public health including social determinants of health OR Service delivery OR Social care):HA

Clinicaltrials.gov search (5 February 2020)

Status: All Studies
Condition: vaccine OR vaccination OR immunization
Other terms: decision making OR communication

WHO search portal ICTRP search (5 February 2020)

vaccination AND communication (search 1)
immunization AND communication (search 2)
Resource Center <http://www.nitag-resource.org/media-center/results?search=decision+making>
(5 February 2020)
Category: Systematic Review
Search: communication