

## Supplemental material:

Literature search strategy in Ovid Medline (2019-08-27)			
Concepts	Search strategy	Number	# Results
Communication with families (Controlled vocabulary)	exp Hospital-Patient Relations/ or exp Physician-Patient Relations/	#1	72 086
Communication with families (Free text)	<p>((communicat* or conversat* or discuss* or empower* or encounter* or interact* or interview* or participation or relation*) adj4 (caregiver* or "care giver*" or caretaker* or client* or family or families or father? or guardian* or mother? or parent* or patient? or people or person? or tutor?)).ti.</p> <p>or ((communicat* or conversat* or discuss* or empower* or encounter* or interact* or interview* or participation or relation*) adj4 (caregiver* or "care giver*" or caretaker* or client* or family or families or father? or guardian* or mother? or parent* or patient? or people or person? or tutor?)).ab.</p> <p>or ((communicat* or conversat* or discuss* or empower* or encounter* or interact* or interview* or participation or relation*) adj4 (caregiver* or "care giver*" or caretaker* or client* or family or families or father? or guardian* or mother? or parent* or patient? or people or person? or tutor?)).kf.</p>	#2	268 858
	<p>("non technical" adj3 (abilit* or competenc* or skill?)).ti.</p> <p>or ("non technical" adj3 (abilit* or competenc* or skill?)).ab.</p> <p>or ("non technical" adj3 (abilit* or competenc* or skill?)).kf.</p>	#3	650
	2 or 3	#4	269 475
Communication with families	1 or 4	#5	321 467
Tools for assessing (Controlled vocabulary)	exp Checklist/ or exp guideline/ or "Surveys and Questionnaires"/	#6	470 373

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Tools for assessing (Free text)	((checklist\$ or "check list\$" or guide\$ or guideline\$ or instrument* or questionnaire\$ or scale\$ or survey\$ or tool*) adj4 (analy* or assess* or evaluat* or measur* or observation* or observe or observing or track*)).ti. or ((checklist\$ or "check list\$" or guide\$ or guideline\$ or instrument* or questionnaire\$ or scale\$ or survey\$ or tool*) adj4 (analy* or assess* or evaluat* or measur* or observation* or observe or observing or track*)).ab. or ( (checklist\$ or "check list\$" or guide\$ or guideline\$ or instrument* or questionnaire\$ or scale\$ or survey\$ or tool*) adj4 (analy* or assess* or evaluat* or measur* or observation* or observe or observing or track*) ).kf.	#7	447 741
	("assessment method*" or "evaluation method*").ti. or ("assessment method*" or "evaluation method*").ab. or ( "assessment method*" or "evaluation method*" ).kf.	#8	17 715
Tools for assessing (Free text)	7 or 8	#9	462 404
Tools for assessing	6 or 9	#10	844 912
Pediatric (Controlled Vocabulary)	exp adolescent/ or exp child/ or exp Hospitals, Pediatric/ or exp infant/ or exp Pediatric Emergency Medicine/ or exp Pediatric Nursing/ or exp Pediatricians/	#11	3 442 520
Pediatric (Free text)	(adolescen* or child or childhood or children or infan* or p?ediatric*).ti. or (adolescen* or child or childhood or children or infan* or p?ediatric*).ab. or (adolescen* or child or childhood or children or infan* or p?ediatric*).kf.	#12	1 860 446
Pediatric	11 or 12	#13	3 866 495
Doctor or resident (Controlled vocabulary)	exp education, graduate/ or education, medical/ or exp education, medical, graduate/ or exp education, medical, undergraduate/ or exp physicians/ or exp students, medical/ or exp students, public health/	#14	283 620
Doctor or resident (Free text)	(allergist* or anesthesiologist* or cardiologist* or clinician* or dermatologist* or doctor\$ or endocrinologist* or gastroenterologist* or "general practitioner*" or gps or graduate* or hospitalist* or intern or interns or "medical education" or "medical	#15	1 265 235

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	<p>facult*" or "medical school*" or neonatologist* or nephrologist* or neurologist* or oncologist* or ophthalmologist* or orthop?edist* or otolaryngologist* or p?ediatrician* or physiatrist* or physician* or podiatrist* or pulmonologist* or radiologist* or rheumatologist* or resident\$ or "medical student*" or "clinical student*" or "preclinical student*" or surgeon* or trainee? or undergraduate* or urologist*).ti.</p> <p>or (allergist* or anesthesiologist* or cardiologist* or clinician* or dermatologist* or doctor\$ or endocrinologist* or gastroenterologist* or "general practitioner*" or gps or graduate* or hospitalist* or intern or interns or "medical education" or "medical facult*" or "medical school*" or neonatologist* or nephrologist* or neurologist* or oncologist* or ophthalmologist* or orthop?edist* or otolaryngologist* or p?ediatrician* or physiatrist* or physician* or podiatrist* or pulmonologist* or radiologist* or rheumatologist* or resident\$ or "medical student*" or "clinical student*" or "preclinical student*" or surgeon* or trainee? or undergraduate* or urologist*).ab.</p> <p>or (allergist* or anesthesiologist* or cardiologist* or clinician* or dermatologist* or doctor\$ or endocrinologist* or gastroenterologist* or "general practitioner*" or gps or graduate* or hospitalist* or intern or interns or "medical education" or "medical facult*" or "medical school*" or neonatologist* or nephrologist* or neurologist* or oncologist* or ophthalmologist* or orthop?edist* or otolaryngologist* or p?ediatrician* or physiatrist* or physician* or podiatrist* or pulmonologist* or radiologist* or rheumatologist* or resident\$ or "medical student*" or "clinical student*" or "preclinical student*" or surgeon* or trainee? or undergraduate* or urologist*).kf.</p>		
Doctor or resident	14 or 15	#16	1 366 539
Measurement properties (Controlled vocabulary)	exp discriminant analysis/ or exp Health Status Indicators/ or exp observer variation/ or exp "Outcome Assessment (Health Care)"/ or exp Psychometrics/ or exp "reproducibility of results"/	#17	1 655 441

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Measurement properties (Free text)	(Instrumentation or methods ).fs.	#18	3 941 530
	("Comparative Study" or "Validation Studies").pt.	#19	1 915 070
	(clinimetr* or clinometr* or "outcome measure*" ).af.	#20	213 666
	(agreement* or coefficient* or "discriminant analys*" or "health status indicator*" or homogeneity or homogeneous or imprecision* or interassay or "inter-assay" or interexaminer* or "inter-examiner*" or interindividual* or "inter-individual*" or "internal consistenc*" or intertechnician* or "inter-technician*" or interobserver* or "inter-observer*" or interparticipant* or "inter-participant*" or interrater* or "inter-rater*" or intertester* or "inter-tester*" or intraassay* or "intra-assay*" or intraexaminer* or "intra-examiner*" or intraindividual* or "intra-individual*" or intraobserver* or intraparticipant* or "intra-participant*" or intrarater* or "intra-rater*" or intratechnician* or "intra-technician*" or intratester* or "intra-tester*" or kappa\$ or "observer variation*" or "outcome? assessment" or "precise value\$" or precision* or psychometr* or repeatab* or reproducib* or reliab* or stability or "test-retest" or unreliab* or valid*).ti. or (agreement* or coefficient* or "discriminant analys*" or "health status indicator*" or homogeneity or homogeneous or imprecision* or interassay or "inter-assay" or interexaminer* or "inter-examiner*" or interindividual* or "inter-individual*" or "internal consistenc*" or intertechnician* or "inter-technician*" or interobserver* or "inter-observer*" or interparticipant* or "inter-participant*" or interrater* or "inter-rater*" or intertester* or "inter-tester*" or intraassay* or "intra-assay*" or intraexaminer* or "intra-examiner*" or intraindividual* or "intra-individual*" or intraobserver* or intraparticipant* or "intra-participant*" or intrarater* or "intra-rater*" or intratechnician* or "intra-technician*" or intratester* or "intra-tester*" or kappa\$ or "observer variation*" or "outcome? assessment" or "precise value\$" or precision* or psychometr* or repeatab* or reproducib* or reliab* or stability or "test-retest" or unreliab* or valid*).ab. or (agreement* or coefficient* or "discriminant analys*" or "health status indicator*" or homogeneity or homogeneous or imprecision* or interassay or "inter-assay" or interexaminer* or "inter-examiner*" or interindividual* or "inter-	#21	2 263 439

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<b>Concepts</b>	<b>Search strategy</b>	<b>Number</b>	<b># Results</b>
	individual*" or "internal consistenc*" or intertechnician* or "inter-technician*" or interobserver* or "inter-observer*" or interparticipant* or "inter-participant*" or interrater* or "inter-rater*" or intertester* or "inter-tester*" or intraassay* or "intra-assay*" or intraexaminer* or "intra-examiner*" or intraindividual* or "intra-individual*" or intraobserver* or intraparticipant* or "intra-participant*" or intrarater* or "intra-rater*" or intratechnician* or "intra-technician*" or intratester* or "intra-tester*" or kappa\$ or "observer variation*" or "outcome? assessment" or "precise value\$" or precision* or psychometr* or repeatab* or reproducib* or reliab* or stability or "test-retest" or unreliab* or valid* ).kf.		
	(cronbach* and alpha\$).ti. or (cronbach* and alpha\$).ab. or (cronbach* and alpha\$ ).kf.	#22	20 943
	(item* and (correlation* or selection* or reduction*)).ti. or (item* and (correlation* or selection* or reduction*)).ab. or (item* and (correlation* or selection* or reduction*)).kf.	#23	34 264
	((replicab* or repeated) and (measure\$ or finding or result\$ or test\$)).ti. or ((replicab* or repeated) and (measure\$ or finding or result\$ or test\$)).ab. or ((replicab* or repeated) and (measure\$ or finding or result\$ or test\$)).kf.	#24	196 579
	(test and retest).ti. or (test and retest).ab. or (test and retest ).kf.	#25	24 833
	18 or 19 or 20 or 21 or 22 or 23 or 24 or 25	#26	7 122 366
Measurement properties	17 or 26	#27	7 786 293
Final Total	5 and 10 and 13 and 16 and 27	#28	2 091