

INSTRUMENT TITLE: Nurse-Physician Collaboration Scale (NPCS)	
Authors (date)	Ushiro (2009)
Purpose	To assess the relationship between collaboration and quality of hospital care, and to analyze factors that promote collaboration.
Instrument Characteristics	
Type of instrument	Survey
Total number of items	25
Setting	Health Care: Inpatient
Target respondent	Physicians, RNs
Degree of adaptation needed for primary care	Major adaptation required
Mediator Constructs (# of items)	<i>Specific items</i>
<i>Cognitive Domain</i>	
Sense-making (n=0)	
Continuous learning (n=0)	
Shared explicit goals and accountability (n=4)	JOI 11, JOI 14, SHA 01, SHA 03
Evolving mental models of roles (n=0)	
<i>Affective/Relational Domain</i>	
Trust (n=0)	
Respectful interaction (n=5)	COO 05, JOI 02, JOI 07, JOI 09, JOI 10
Heedful inter-relating (n=5)	COO 03, COO 04, COO 06, JOI 08, JOI 12
Commitment (n=0)	
<i>Behavioral Domain</i>	
Communication (n=11)	COO 01, COO 02, JOI 01, JOI 03, JOI 04, JOI 05, JOI 06, JOI 12, JOI 13, JOI 15, SHA 02
Adaptable to context and needs, improvisation (n=0)	
Conflict resolution (n=2)	JOI 01, JOI 02
<i>Leadership Domain</i>	
Leadership (n=0)	
Psychometrics, Development and Testing	
Reliability	Test-retest: r values all > 0.70. Internal consistency: Cronbach's α > 0.80.
Validity	Criterion (concurrent): significant negative correlations between responses and another instrument ($p < 0.01$). Construct (convergent): factor analysis and significant positive correlations with results of another instrument ($p < 0.01$).

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Factor analysis	Yes - exploratory (principal factor method with promax rotation) and confirmatory.
Other development and testing methods	Items generated from literature, observation, interviews.
Abstracts and Citation	
Instrument citation	Ushiro R. Nurse–Physician Collaboration Scale: development and psychometric testing. J Adv Nurs 2009;65(7):1497-1508.
PubMed abstract or instrument link	PubMed abstract
Link to articles citing instrument	Link to articles citing instrument