

INSTRUMENT TITLE: Oxford Non-Technical Skills Scale (Oxford NOTECHS)	
Authors (date)	Mishra et al (2009)
Purpose	To assess a team's ability to demonstrate a series of non-technical skills in the operating theatre.
Instrument Characteristics	
Type of instrument	Observational Checklist (Field)
Total number of items	16
Setting	Health Care: Inpatient
Target respondent	APRNs, Surgeons and other Surgical Staff
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=5)	01, 10, 11, 12, 16
Continuous learning (n=3)	01, 11, 13
Shared explicit goals and accountability (n=1)	3
Evolving mental models of roles (n=0)	
<i>Affective/Relational Domain</i>	
Trust (n=0)	
Respectful interaction (n=2)	04, 06
Heedful inter-relating (n=7)	02, 05, 06, 07, 08, 14, 15
Commitment (n=0)	
<i>Behavioral Domain</i>	
Communication (n=0)	
Adaptable to context and needs, improvisation (n=0)	
Conflict resolution (n=1)	9
<i>Leadership Domain</i>	
Leadership (n=1)	4
Psychometrics, Development and Testing	
Reliability	Test-retest: acceptable with no differences in scores during pre-intervention and post-intervention periods. Inter-rater: within group reliabilities range 0.68 to 0.97, totals range 0.95 to 0.99.
Validity	Content: expert input, adapted existing system; Criterion (concurrent, predictive); inverse correlation between scores & errors ($r = -0.267$, $p = 0.046$), with another instrument ($r = 0.886$, $p = 0.046$); Construct (convergent): agreement with existing instrument

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Factor analysis	
Other development and testing methods	
Abstracts and Citation	
Instrument citation	Mishra A, Catchpole K, McCulloch P. The Oxford NOTECHS System: reliability and validity of a tool for measuring teamwork behaviour in the operating theatre. Qual Saf Health Care 2009;18(2):104-108.
PubMed abstract or instrument link	PubMed abstract
Link to articles citing instrument	Link to articles citing instrument