Translating and Globalizing the Readiness Estimate and Deployability Index (READI) to Measure Nurse Preparedness for Disasters and Conflicts

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READI Instrument Development Background

〇 Assesses readiness to perform nursing care in austere environments.
〇 Measured in 6 conceptual dimensions of readiness.
〇 Developed and field tested in the USA 1998-2007.
〇 Gained international exposure 2004-2015 in Canada, Republic of Korea (ROK), and Japan.

2008: Translated into Korean; Assess ROK Armed Forces Nursing Academy (AFNA) cadets' readiness upon graduation.
2009: ROK Army Nurse Corps' readiness.
2014: Translated into Japanese; Assess Japanese nurses who had been dispatched for the Great East Japan Earthquake relief activities in 2011.

〇 Versions and articles available at https://nursing.uthscsa.edu/ONRS/Resources/READI/index.aspx
〇 USA Funding: Tri-Service Nursing Research Program & H.M. Jackson Foundation

Sample Size N=92 N=63 N=131 N=181 N=565 N=93 N=742
Response Rate 26% 60% 39% 52% 88% 100% 61.6%
Clinical Competency 2.93 – 3.85 4.38 1.00 – 3.68 2.0 – 4.4 3.5 3.4 3.30
Operational Competency 3.09 – 3.67 3.73 1.03 – 4.50 2.7 – 3.6 3.6 3.4 3.54
Survival Skills 3.66 – 4.05 3.93 2.25 – 4.58 2.7 – 3.6 3.2 3.5 3.18
Personal, Psych, Physical Not reported 4.62 1.0 – 5.0 3.5 – 4.8 2.7 3.6 3.40
Leadership & Admin Not reported 3.98 1.4 – 5.0 4.5 – 4.8 2.9 3.4 3.16
Group Integration Not reported 4.01 2.6 – 4.6 3.2 – 4.7 3.8 3.9 4.12
Cronbach’s alpha .27-.97 Not reported Not reported .80 - .96 .78-.93 .80-.93 .45-.96
Test-retest Pearson’s r Not reported Not reported .24 – 1.0 Not reported Not reported Not reported Not reported

Results of the confirmatory factor analyses for seven domains

Attachment

Military

Instructed by
Need to Modernize Nursing Personnel's Individual Readiness

Introducing READI to ROK Army Nurse Corps

Comparison of Each Nation's Study Results

Comparison of Reliability before and after factor analysis

Results of Individual Studies (Blue:U.S.A., Red: R.O.K., Green: Japan)

Conclusion & Recommendation

〇 READI introduces you what kind of competencies are required for nurses in austere environments.
〇 READI can assess your & your organization's nursing readiness to respond disaster situation.
〇 READI is also available for Civilian nurses.
〇 So far, READI is available in 3 languages. Recommend to expand this tool to your own language.

References