

turning knowledge into practice

The Imperative for Social Competency Prediction

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Overview

- ❑ Need for identifying social skills deficits and helping to focus interventions that address those deficits – before adverse events occur.
- ❑ Present [simulated] social situations adapted for the given population for individuals to *demonstrate* social skills rather than *describe* attitudes and beliefs.
- ❑ Use baseline assessment to be predictive of future behaviors; test using follow-up assessment.

Need for Specific Metrics

- ❑ Behavioral constructs representative of social skills deficits include:
 - Poor emotion expression recognition, impulsivity, insensitivity to penalties, hostility bias, gender stereotyping, acceptance of dating or partner violence, and risky decision making.
- ❑ Social skills associated with positive health behaviors include:
 - Emotional control, information seeking, expressing preferences, negotiation and willingness to compromise, and using non-provocative language.

3 Representative Studies

- ❑ TIO – adolescent social competency
- ❑ PreSIT – predeployment stress inoculation
- ❑ PHIT – postdeployment health monitoring

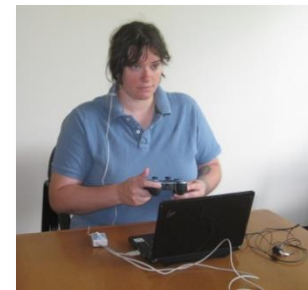
Situated Assessment of Adolescents

- ❑ Akin to authentic assessment and situated judgment tasks.
- ❑ Assess adolescents':
 - Social/cognitive skills
 - Emotional control
 - Decision-making ability
- ❑ Assess technology to:
 - Determine if adolescents' behavior with characters mirrored real-life behavior
 - Performance measures load on two factors corresponding to emotional control, interpersonal communication skills
 - Some support for criterion, construct validity
- ❑ Extended to both a different city and a different gender.



Multimedia Environment for Stressing Warfighters

- ❑ Develop training to enhance coping skills and build resilience to the psychological impact of exposure to combat and other traumatic stressors in deploying personnel.
- ❑ Elicit a physiological stress response by:
 - Presenting a realistic stressful scenario with normal and unexpected activity
 - Requiring responses to a variety of triggers, including speed/accuracy and GO/NOGO
- ❑ Follow-up taking place Summer 2012.



Prevention of Psychological Health Problems through Personalized Health Management

- Integrate health assessment, momentary behavior capture, and self-help activities in a personal, mobile, smartphone platform.
- Approach:
 - Monitor and measure health, behavior, and environment
 - Periodically assess health and behavior status
 - Plan and schedule self-help activities, and refined assessments
 - Provide information, exercises, guidance, reminders, and other activities to improve health, behavior, and social support



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Questions?

