APP EVALUATION IN CLINICAL SETTINGS





ISRII 2013

Agenda

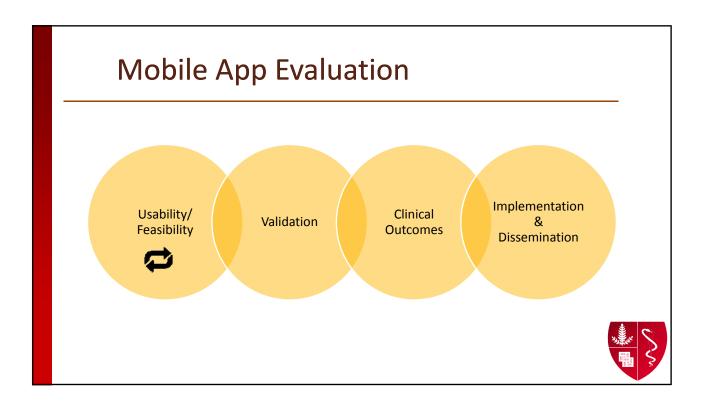
- Research Team
- Evaluation Methodology
- "PTSD Coach" App
- Study Design Lessons Learned
 - Recruitment
 - Fraud Prevention
- Participant Feedback
- Future directions

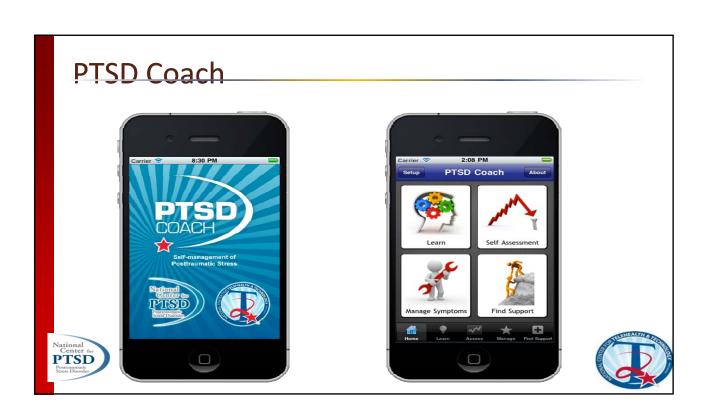


Team and Research

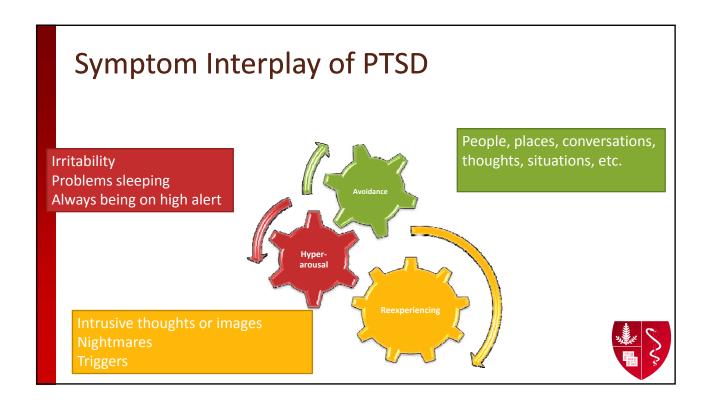
- Teams
 - Mobile Behavior Design Lab
 - National Center for PTSD, Veterans Administration
 - Stanford Anxiety Clinic
 - Department of Psychiatry
- Locations
 - Clinical Screens: Stanford
 - Recruiting: locally (Fliers) and internet (Google AdWords)
- Research
 - Randomized controlled trial of the mobile device based app "PTSD Coach"







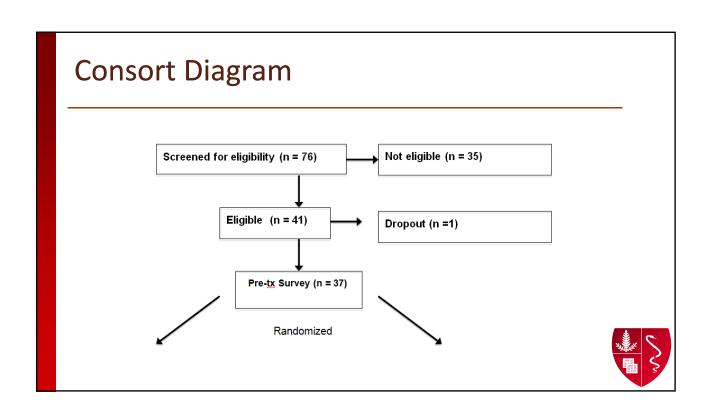


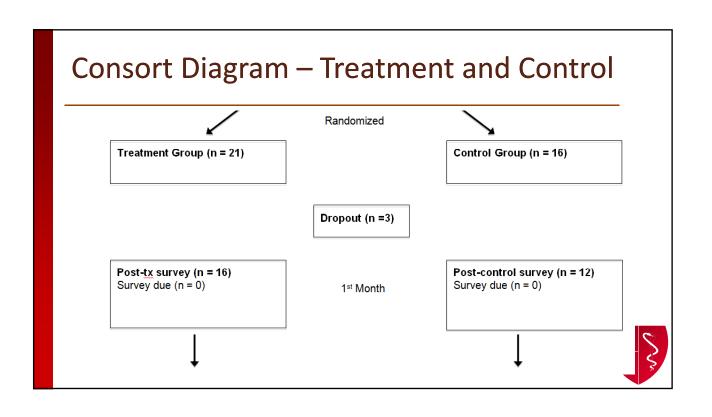


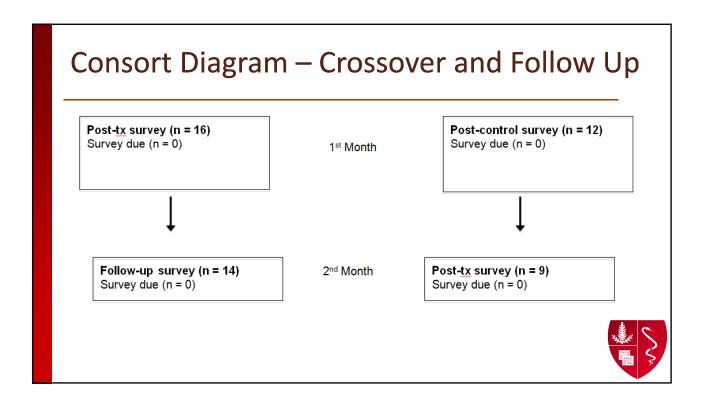
Study Design – PTSD Coach

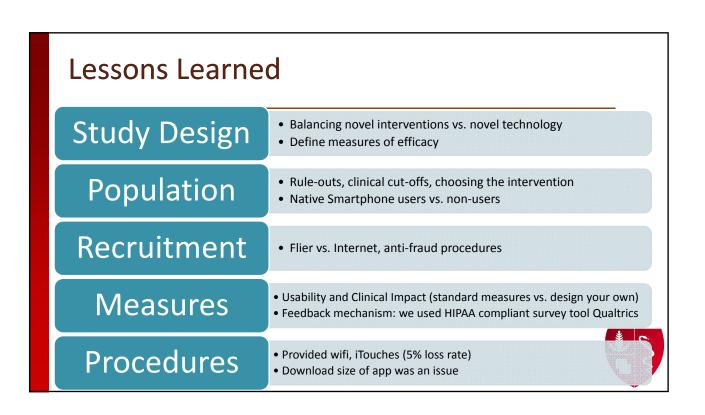
- Design
 - Two arms: App users and Waitlist
 - Clinical screen and diagnostic assessment
 - Online survey used for app feedback
 - One month follow up survey, and two month follow up + crossover
- Recruitment
 - Fliers, Craigslist, Listservs, Google AdWords











Recruitment – Google vs. Fliers Fliers: Google: 1 month of ads, budget of \$10 a day Posted around Peninsula 541 clicks, 2 participants recruited Better return per flier No time cost compared to fliers Time intensive Budget ? Status ? Enhanced ? ↓ Clicks ? Impr. ? CTR ? Avg. CPC ? Cost ? Avg. Pos. ? PTSD Coach Recruitment \$10.00/day 🗵 Eligible 541 132,091 0.41% \$0.55 \$297.57 3.6 Legacy Total - all but deleted campaigns 541 132,091 0.41% \$0.55 \$297.57 3.6 Total - Search ? 130,492 0.41% \$0.55 \$297.20 3.6 Total - Display Network ? 1,599 0.06% \$0.37 \$0.37 4.4 \$0.55 \$297.57 Total - all campaigns \$10.00/day 541 132,091 0.41% 3.6

Fraud Prevention

- Capture IP address in survey
 - HIPAA compliant software (Qualtrics, Redcap)
- Gift cards mailed to physical address
 - Avoid online links to gift cards
- Included some redundant demographics or other questions across surveys



Participant Feedback

- Where used:
 - "Whenever I felt triggered"
 - "Clinic waiting room"
 - "Friend's house"
 - "During family events"
- How improve the app:
 - Add diagnostic specific tools
 - Let it know where I am (sensors)
 - Don't let it know where I am!
 - List programs available

- 19 of 35 people (35%) shared the app with someone
- 15 of 35 (43%) people borrowed iTouch
- 2 reported lost iTouches (13% of borrowed)



Future Directions

- Design more apps
- Include device based data tracking, uploading
 - Open mHealth : openmhealth.org
- Methodologies for cross team projects



Funding

National Center for PTSD, Dissemination and Training Division

National Center for PTSD Posttraumatic Stress Disorder

 http://www.ptsd.va.gov/about/divisions/disseminationtraining-division.asp

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