

# LIBRE Staff and Investigators

## Principal Investigators



Lewis E. Kazis, ScD



Alan Jette, PhD

## Clinical Leaders



Amy Acton, BSN



Colleen M. Ryan, MD



Jeffrey C. Schneider, MD

## Lead Data Analyst



Gabriel Shapiro, MPH, PhD

## Co-Investigators



Austin F. Lee, PhD



Pengsheng Ni, PhD



Linda J. Resnick, PT, PhD



Mary Slavin, PT, PhD



Ronald Tompkins, MD, ScD



Ross D. Zafonte, DO

## Staff



Flor Amaya, MPH



Emily Dore, MSW



Molly Marino, MPH



Laura Simko, BS



Lily Sonis, MSW

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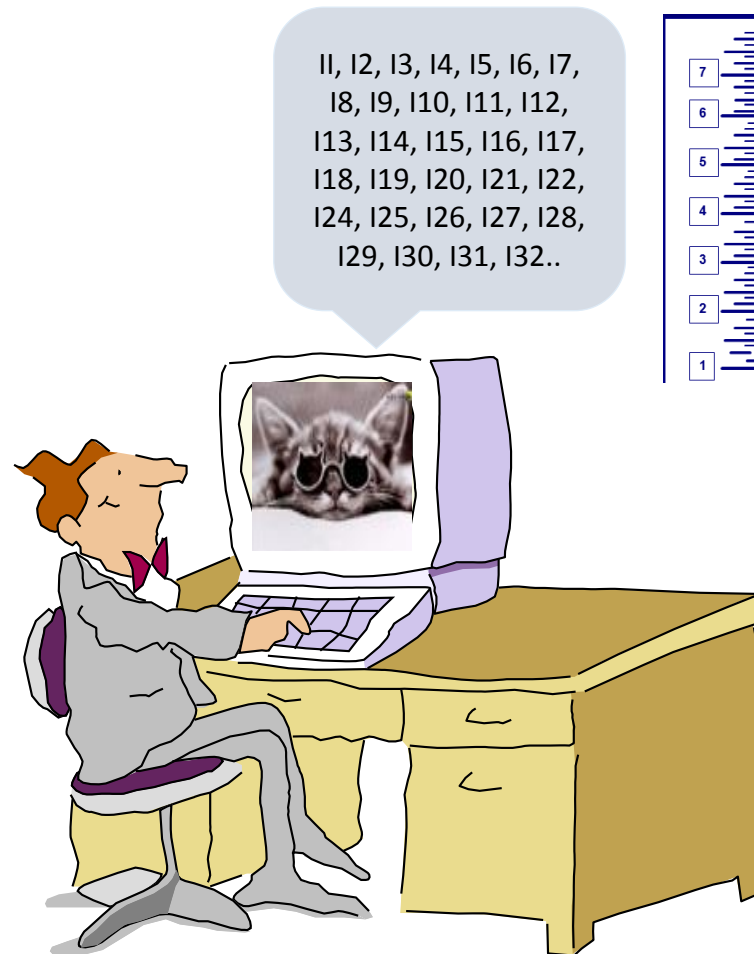
# Study Goals

- To develop a questionnaire that measures the social impact of a burn on an adult population
- To integrate the latest technology for constructing metrics that are reliable and valid using Computerized Adaptive Testing (CAT)
- To apply CATs to population based studies, clinical trials and patient feedback in real time during the clinic visit
- To track social participation of an individual over time

# Significance

- Questions specifically designed to measure social interactions, work integration, and personal relationships are practically nonexistent for burn survivors
- Computerized adaptive testing (CAT) will be administered to burn survivors and scored to inform clinicians and patients

# How a CAT works



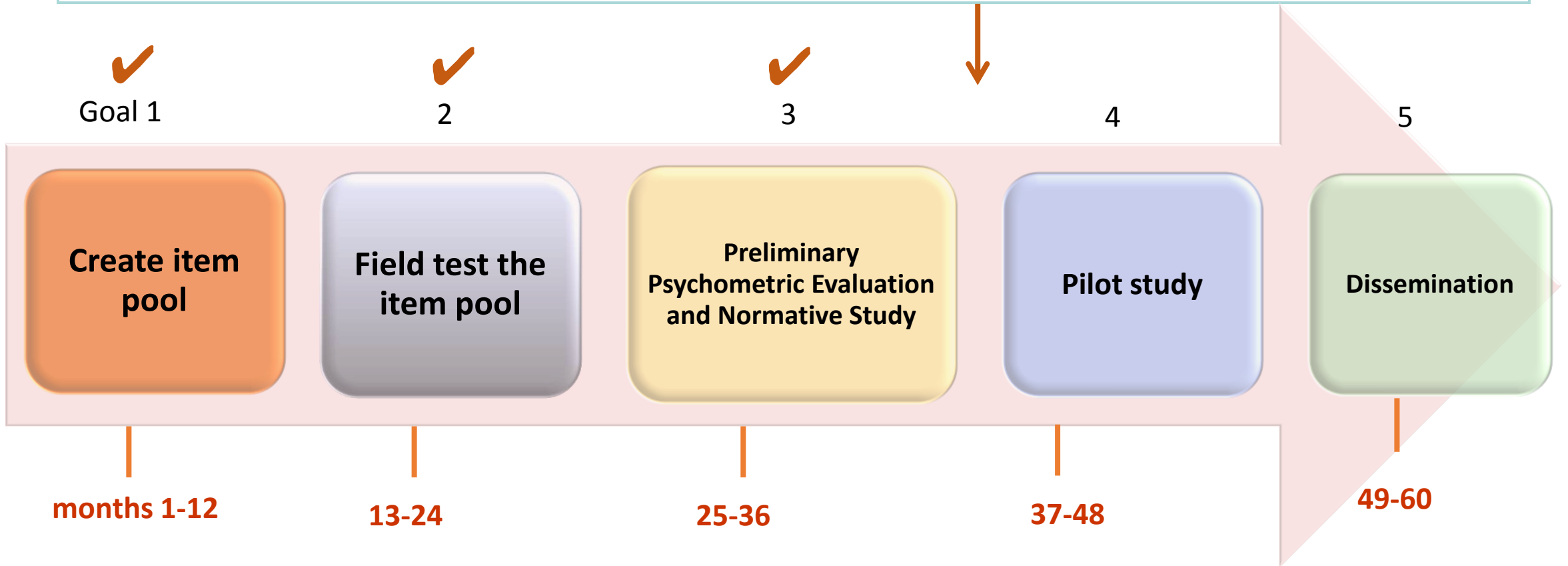
# Implications for Survivors

- Provide survivors and their families with information regarding recovery that is important for receiving needed support and care
- Enable survivors to better understand their recovery
- Enable survivors to better communicate needs to doctors and others

# Clinical Implications

- Provide real time feedback
- Screen for a wide range of issues affecting social participation
- Identify the needs of a population
- If we can measure it, we can optimize care

# Study Timeline



\*Study start date: October 1, 2013

\*Recruitment start date: October 1, 2014



# Where We Are: The LIBRE Profile

## Phase III: Preliminary psychometric evaluation and CAT Prototype Development

- IRT Analysis Generated 6 Domains for CAT Development
  1. Sexual Relationships
  2. Family and Friends
  3. Social Interactions
  4. Social Activities
  5. Work and Employment
  6. Romantic Relationships

# LIBRE Profile

- **Family & Friends (24 Items)**

- Person's ability to interact with, fulfill social obligations, and achieve emotional satisfaction with family and friends
- Example: Members of my family give me the support that I need.

- **Social Interactions (25 Items)**

- Exchanges and contacts that a burn survivor experiences when engaging in various community activities that are important to them, and includes several items on relating with strangers
- Example: I don't worry about other people's attitudes towards me.

- **Social Activities (15 Items)**

- Burn survivor's perceived difficulty with engaging in social and community events and obligations
- Example: I avoid outdoor activities because of my burns.

# LIBRE Profile

- **Work & Employment (19 Items)**

- Satisfaction with one's ability to complete work, and relationships with coworkers and supervisors
- Example: Because of my burns, I am unable to finish many work tasks.

- **Romantic Relationships (28 Items)**

- Emotional and physical aspects of these relationships, as well as communicating with a partner
- Example: I have a partner who meets many of my emotional needs.

- **Sexual Relationships (15 Items)**

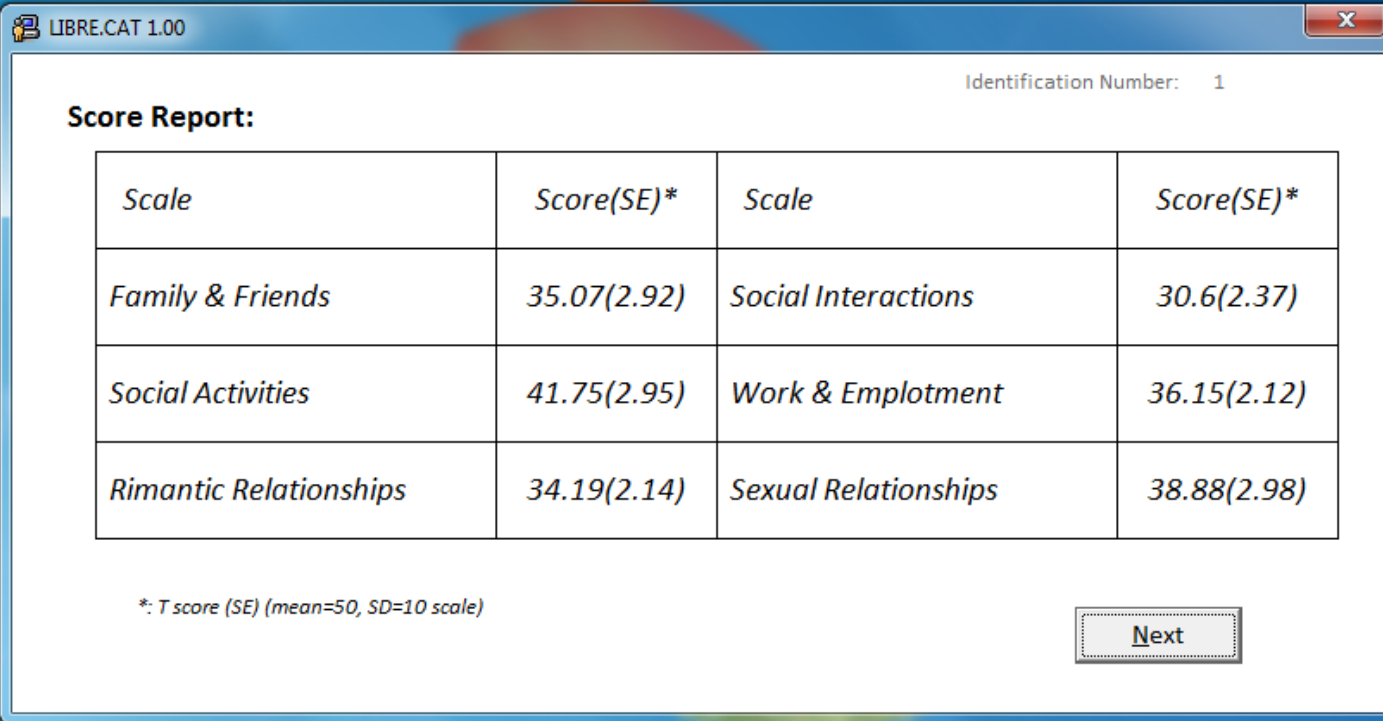
- Engagement in and satisfaction with one's current level and quality of sexual activity
- Example: I avoid sexual contact because of my burns.

# Future Work: Pilot Study

## Phase IV: Pilot Study

- IRT Analysis Generated 6 Domains for CAT Development
- CAT Prototype has been developed
- Normative data has been received and is being processed
- Planning for the pilot study has begun
- Pilot study will include validity and reliability testing

# CAT Prototype



LIBRE.CAT 1.00

Identification Number: 1

**Score Report:**

<i>Scale</i>	<i>Score(SE)*</i>	<i>Scale</i>	<i>Score(SE)*</i>
<i>Family &amp; Friends</i>	<i>35.07(2.92)</i>	<i>Social Interactions</i>	<i>30.6(2.37)</i>
<i>Social Activities</i>	<i>41.75(2.95)</i>	<i>Work &amp; Emplotment</i>	<i>36.15(2.12)</i>
<i>Rimantic Relationships</i>	<i>34.19(2.14)</i>	<i>Sexual Relationships</i>	<i>38.88(2.98)</i>

\*: T score (SE) (mean=50, SD=10 scale)

Next

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  - 1-844-255-9987