Northern New England Palliative Care Teleconsult Research Laboratory

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**Qualitative Data**

- Qualitative data will include individual in-depth semi-structured interviews with patients, caregivers, home nurses, and physicians.

**Psychophysiological Data**

- Autonomic physiology is thought to relate to affective experience and can be unobtrusively measured without impeding the patient-clinician interaction using Empatica E4 sensors.
- We will explore 1) whether observed physiological changes are consistent with an affectively evocative conversation and 2) the variance of physiological responses, and the extent to which physiological state change during the tele-PC conversation.

**Challenges**

- Technology
  - Reliable connection from clinician computer to patient tablet
  - Reliable sensor data capture
  - Quality of audio and video recording
- Mode and timing of survey administration in this elderly patient population

**Our partners**

- Maine Healthcare at Home
  - MHCAH delivers high quality, home based health services by professionally trained nurses, therapists, and social workers, particularly for chronic disease management.
  - In partner with Health Recovery Solutions (HRS), MHCAH provides their patients with technology for quick access to healthcare providers.
- University of Vermont (Vermont Conversation Lab)
  - We are working in parallel with Dr. Robert Gramling and his team of researchers at UVM, who are conducting this study in cancer patients.

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