### Background

Patient-generated data is increasingly common in chronic disease management. Smartphone applications and wearable sensors help patients more easily collect health information. However, current commercial tools often do not effectively support patients and providers in collaboration surrounding these data.

### Method

- 211 patient survey
- 18 patient interviews
- 21 provider interviews

## Result

### Self-explanation Artifact

- Data relevant for personal use might not be relevant to share
- Lack of standard format creates barriers to interpretation

### Inclusion Artifact

- Difficult to curate data based on sharing goals and privacy needs
- Not enough time
- Questions about expertise and benefit offered

### Structuring Artifact

- Need support to implement goals into next tracking process
- Lack of sharing mechanism makes follow-up difficult

### Implication

**Designers**
- Goal communication & implementation
- Data curation based on goals & privacy needs
- Goal oriented visualization & Summary

**Health Practitioners**
- Explicit conversations about intended use
- Efficient and effective verbal summary

**Researchers**
- Provider and patient role in personal informatics models
- Privacy as a contextual integrity in boundary negotiating artifacts

---

More Than Telemonitoring: Health Provider Use and Nonuse of Life-Log Data in Irritable Bowel Syndrome and Weight Management
Chia-Fang (Christina) Chung, cfchung@uw.edu
Kristin Dew, Jonathan Cook, Elizabeth Bales, Allison Cole, Jasmine Zia, James Fogarty, Julie Kientz, Sean Munson

The project is supported by AHRQ#1R21HS023654, NSF# OAI-1028195 & IIS-1344613, and Intel Science and Technology Center for Pervasive Computing