

Beth Darnall, PhD
Clinical Professor
Stanford University School of Medicine
Anesthesiology, Perioperative and Pain Medicine
Psychiatry & Behavioral Sciences (by courtesy)

Twitter: [@BethDarnall](https://twitter.com/BethDarnall)

Current Federal Contracts & Grants

- PCORI
- NIH / NCCIH

Consulting Disclosures

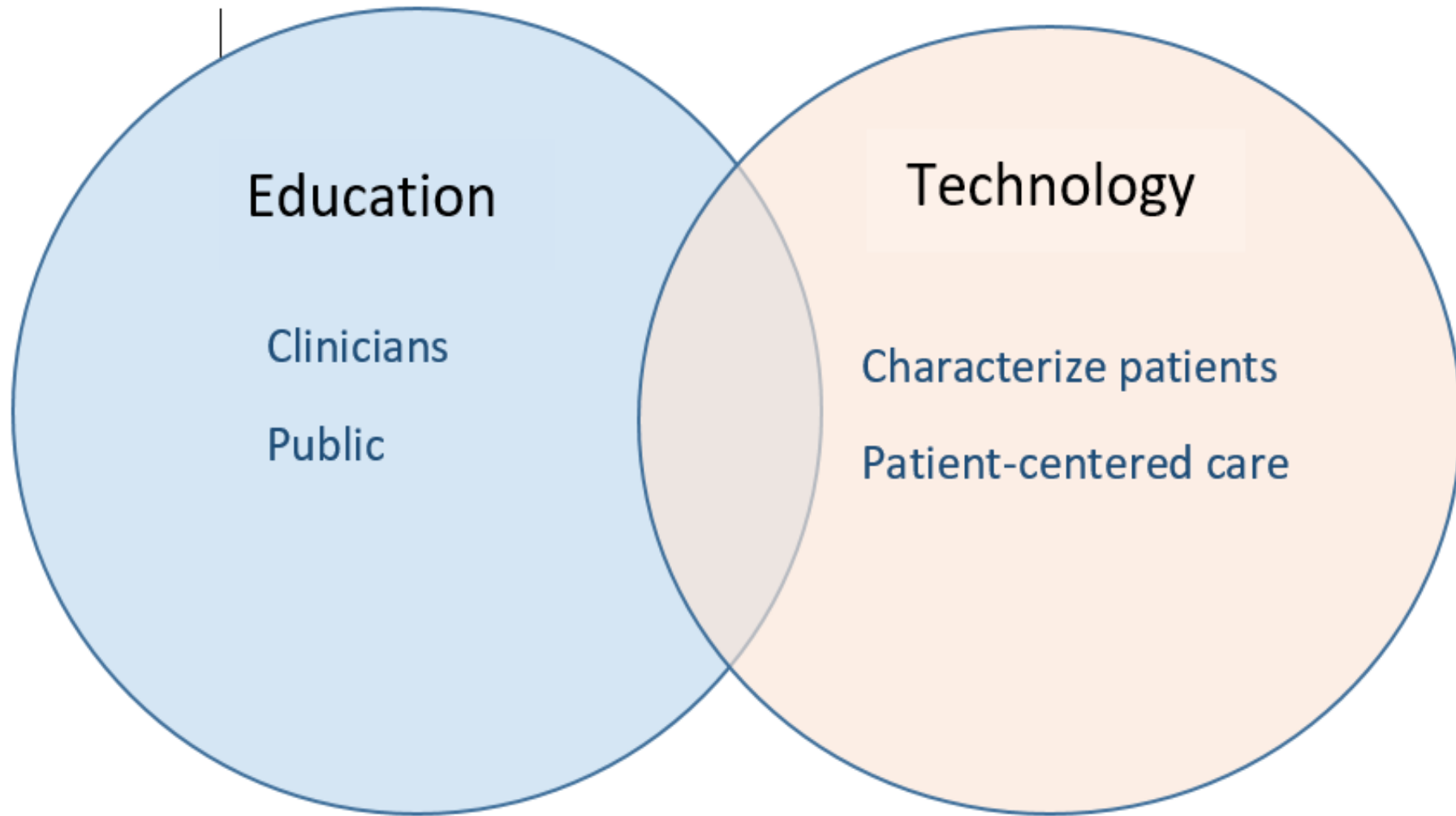
- Axial Healthcare, Scientific Advisory Board
- *Clinical Pain Advisor*, Advisory Board
- appliedVR, Advisor

Barriers

- “Alternative” or simply *treatment*?
- **Appreciate *subgroups***

Barriers

- Need better data on pain
 - phenotyping
 - treatment effects
 - patient preferences and expectations
- Education (clinicians and patients)
- Scalability

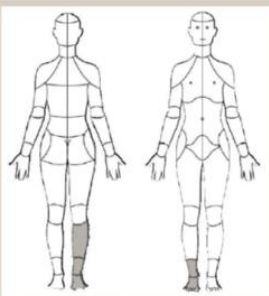


Education

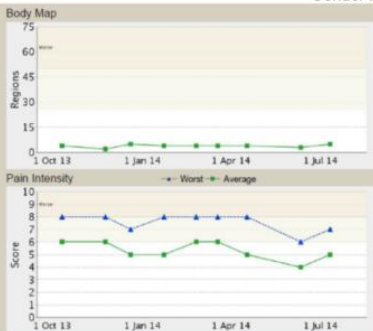


Clinicians

- Healthcare clinicians / Psychologists
 - Incentivize pain education in curricula
 - Incentivize professional education
 - Optimize reimbursement
 - Scale behavioral pain medicine

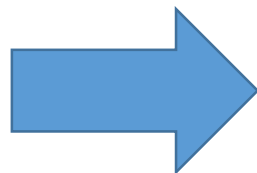
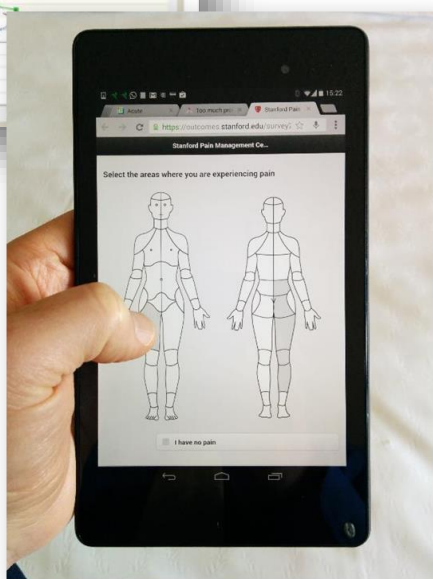
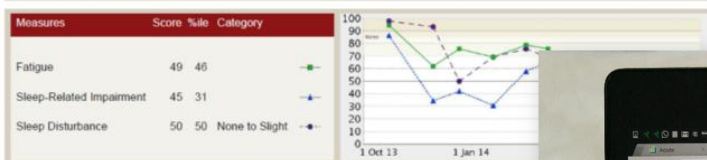
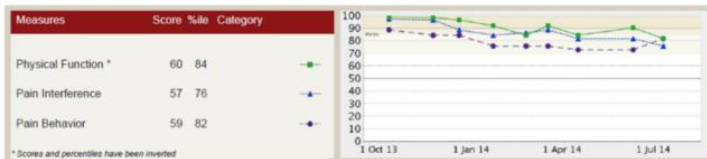
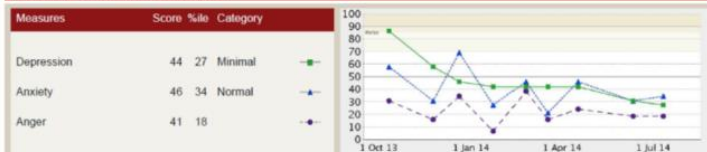


5 areas selected on the most recent body map



Technology
Phenotype
Patient-centered
care

PROMIS Outcomes Measures



TREATMENT

- Engagers
- Responders
- Allocate further resources