



13th International
Conference on
HIV TREATMENT
AND PREVENTION
ADHERENCE



Adherence 2018

J U N E 8 - 1 0 , 2 0 1 8 • M I A M I

Panel Discussion

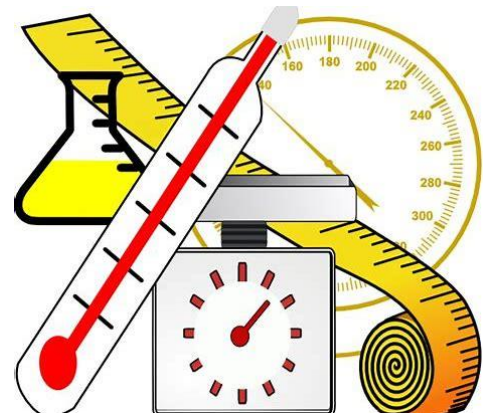
Innovative Measures of Adherence: New Thinking, New Approaches

Jessica Haberer, MD, MS

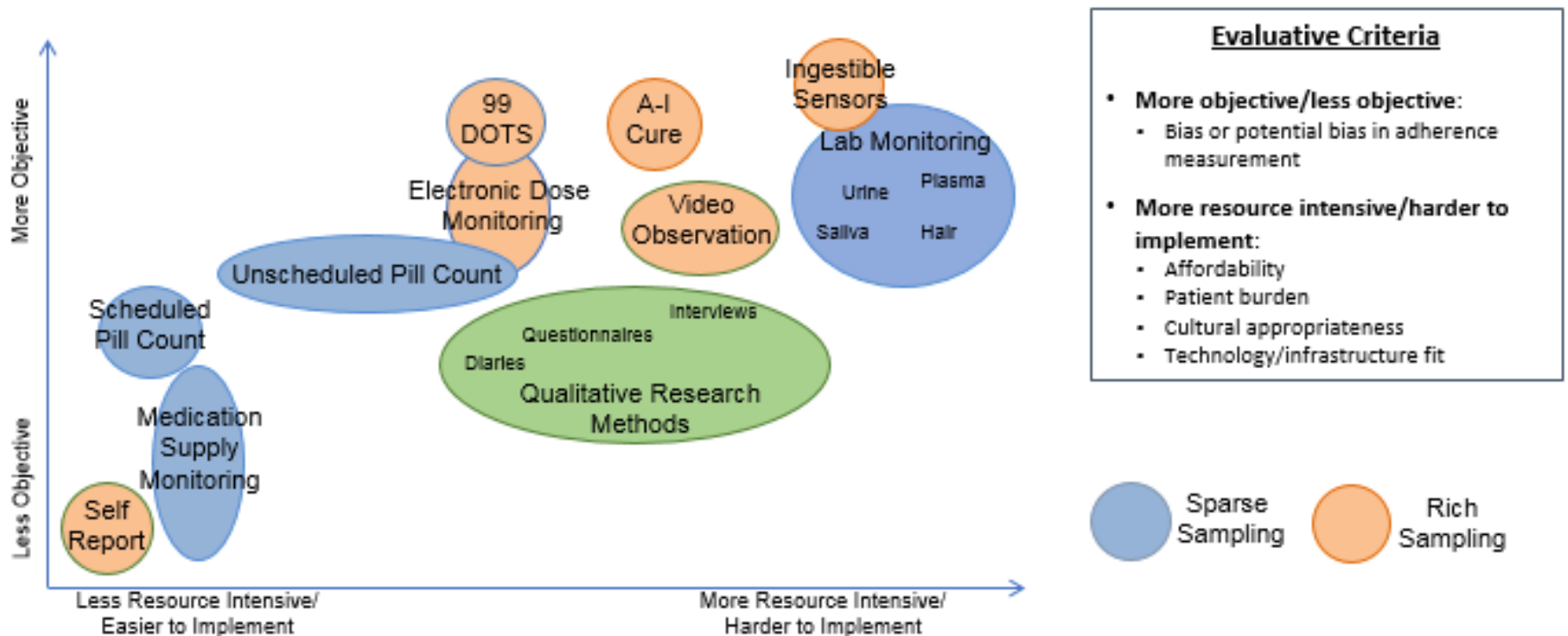
June 8, 2018

Why do we need new thinking and new approaches?

- **“If you can't measure it, you can't improve it.”**
- *Peter Drucker*



All adherence measurement approaches have strengths and limitations



(Bruce Thomas, BMGF)

Pharmacologic measures

- Drug concentration in a biomatrix
 - Blood
 - Dried blood spots
 - Peripheral blood mononuclear cells
 - Plasma
 - Hair
 - Urine
- All offer objective measurement of adherence
- Each biomatrix reflects different “look back” periods, which vary by drug half-life

Ingestible sensors



Provide objective documentation of adherence *behavior*

Panel

- Our panel will present key evidence and discuss the promise and challenges of three approaches to measuring adherence
- **Dr. Jose Castillo-Mancilla:** Drug concentrations in dried blood spots
- **Dr. Monica Gandhi:** Drug concentrations in hair
- **Dr. Sara Browne:** Ingestible sensors