Panel Discussion
Innovative Measures of Adherence: New Thinking, New Approaches

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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