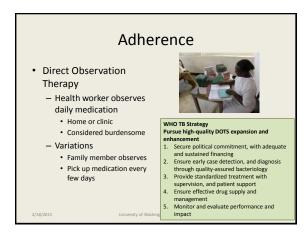
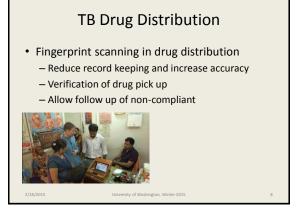
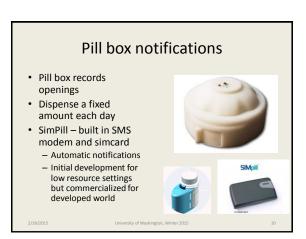


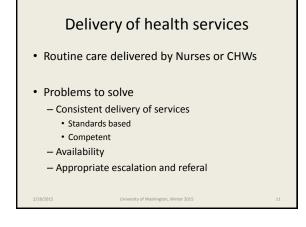
Medication Adherence TB and HIV Concerns about drug resistant strains Adherence obstacles Side effects, inconvenience, perceived cure, stigma





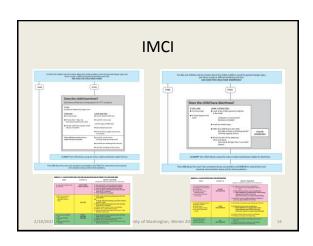


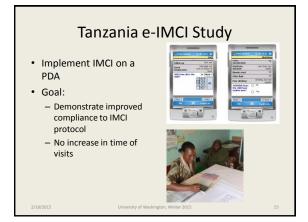


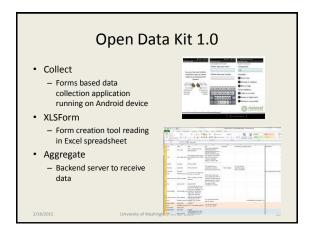


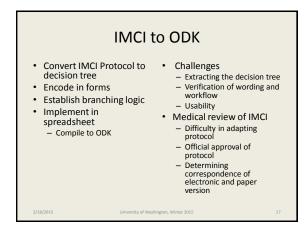


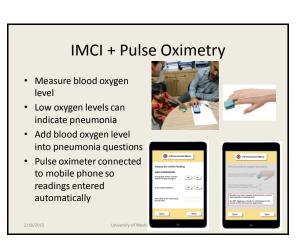


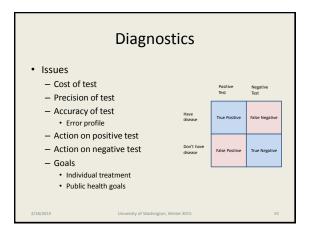


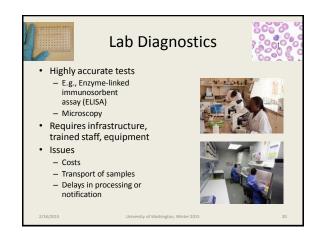


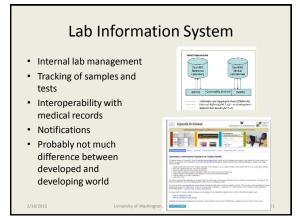


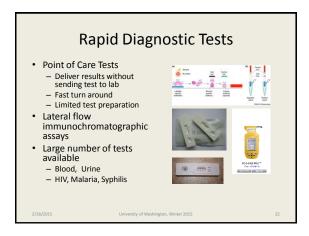




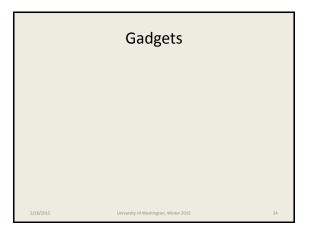














- · Sensor interface through audio jack
- EKG Interface
- · Soil temperature monitor
- · UBC Pulse Oximeter for iPhone
- HIV Diagnostic

Smartphone for point of care diagnosis

- Recent press attention on HIV/Syphilis diagnosis by Columbia University
- Laboratory quality immunoassay
- Ultra low power
- · Power from cell phone
 - iPhone = Battery
 - Signal processing on cell phone to generate results











ODK Sensors

- · Build a user-level sensing framework with sensor drivers
 - No operating system modifications
 - Allows convenient reuse between applications
- · Create a single sensor interface
 - Access wired, wireless, and built-in sensors
 - Support multiple sensors over multiple channels
- · Focus on ease of deployment and development
 - Distribution through existing app store model
 - Reduce complexity
 - Without adverse effects on performance



Fone Astra

- · Sensor connection to low cost phone
 - Phone for communication and output
- \$25 board + \$25 phone
- Temperature monitoring



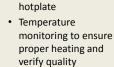


Milk Pasteurization

Android Fone Astra

- Version 2 of FoneAstra replaced basic phone with Android phone
- Communication by bluetooth or USB
- Separate power for FoneAstra device
- · Programmability and UI on phone





· Human milk

pasteurization

Replace high price

pasteurizer with



