

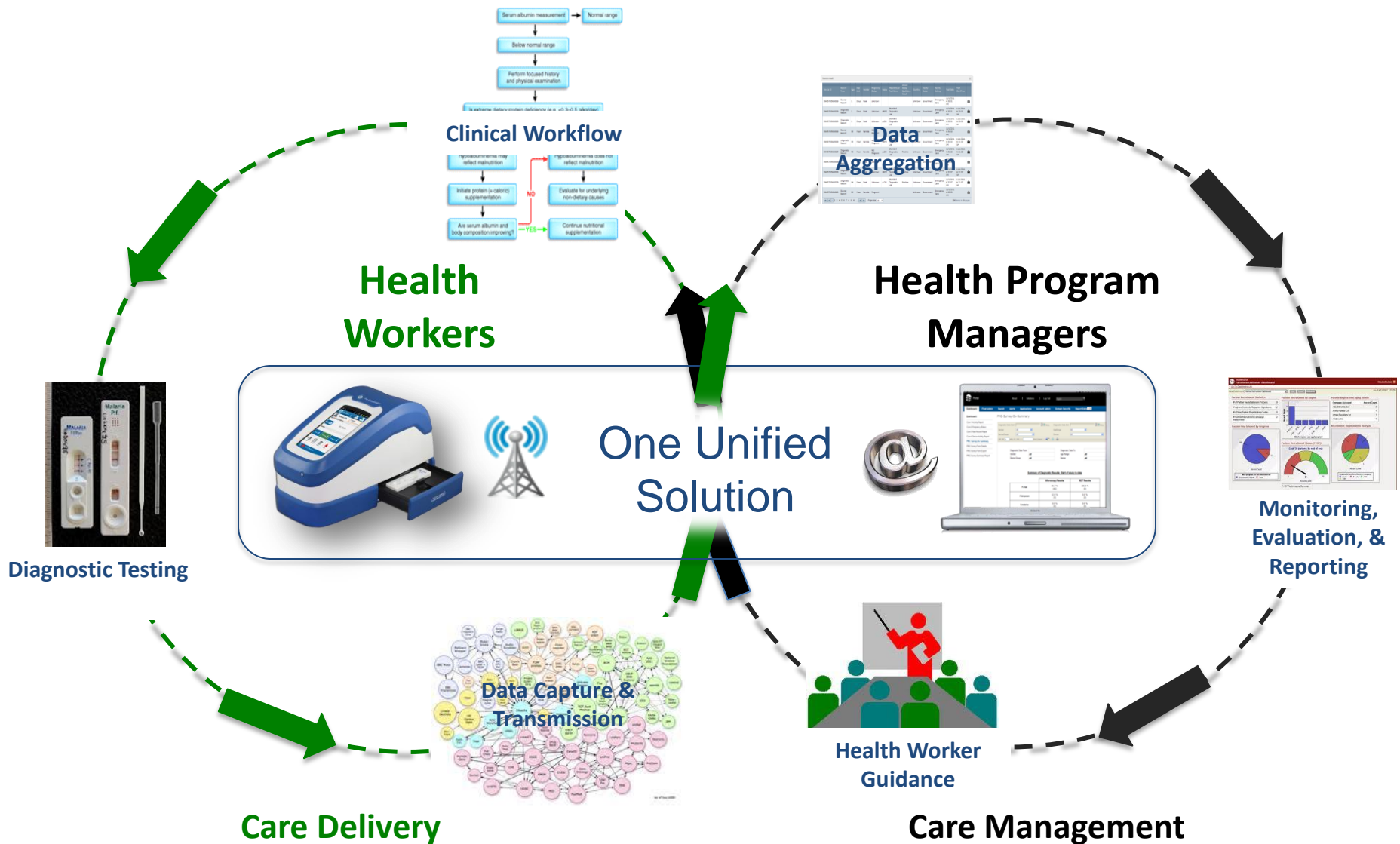


Fio Corporation

Mobile digital diagnostics integrated with cloud information services
to change the way the world deals with infectious diseases

February 2012, Confidential

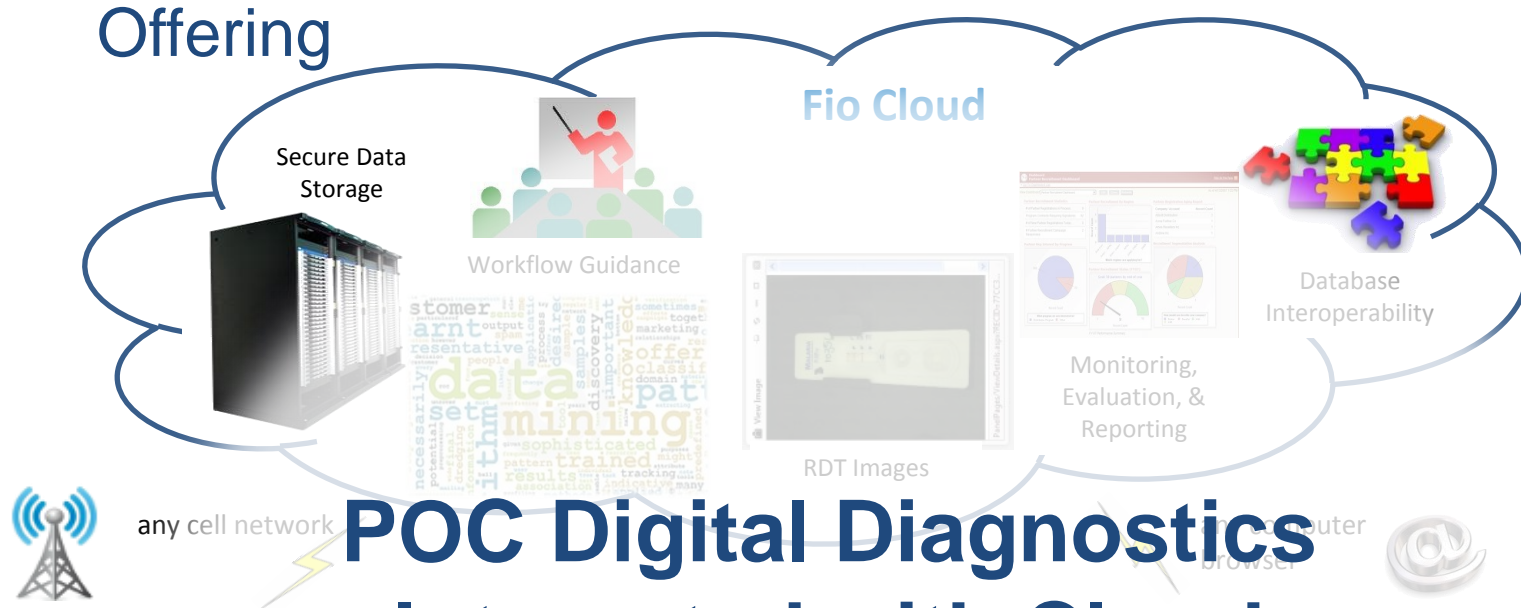
Addressing Two Problems



- Inadequate diagnostic accuracy
- Inadequate clinical work-up & therapy
- Inadequate data capture & data flow

- \$100BNs in spending not evidence-based
- Costly, low-reliability data collection
- Low health worker monitoring & direction

Offering



Reads existing RDTs to high accuracy

Uploads data (diagnostic, demographic, enviro, user ...)

Downloads directives/aids (protocols, data forms, alerts...)

For health worker at point of care



Data storage, retrieval, analysis, export to other databases

Remote monitoring and oversight of Smartreader users

Dissemination of protocols, forms, alerts to Smartreaders

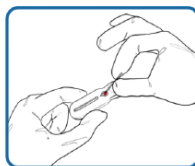
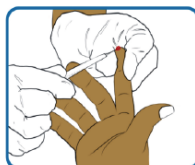
Data mining, surveillance, epidemiology

For health program manager, public health, industry

Diagnosis, Treatment Aid, Data Capture in Multiple Settings



Fio Smartreader™



Reads existing RDTs to high accuracy
Uploads patient data, incl diagnostic, demographic, ...
Downloads clinical protocols, data capture forms, alerts...

- Objective RDT interpretation
- Two-way coms with program manager
- Downloads data survey into workflow
- Downloads workflow job-aids
- Downloads best practice guidelines
- Digitizes and uploads data sets

Fio SmartCapture™



Smartreader software minus RDT reader
Runs on Android smartphones
For use in non-RDT situations

Pilots

- **COLOMBIA**

- 3 Smartreaders

- 7 Smartcaptures

- RDT: *SD Bioline Pf-Pv*

- 7 months

- **ECUADOR**

- 6 Smartreaders

- RDT: *Optimal IT*

- 2 weeks

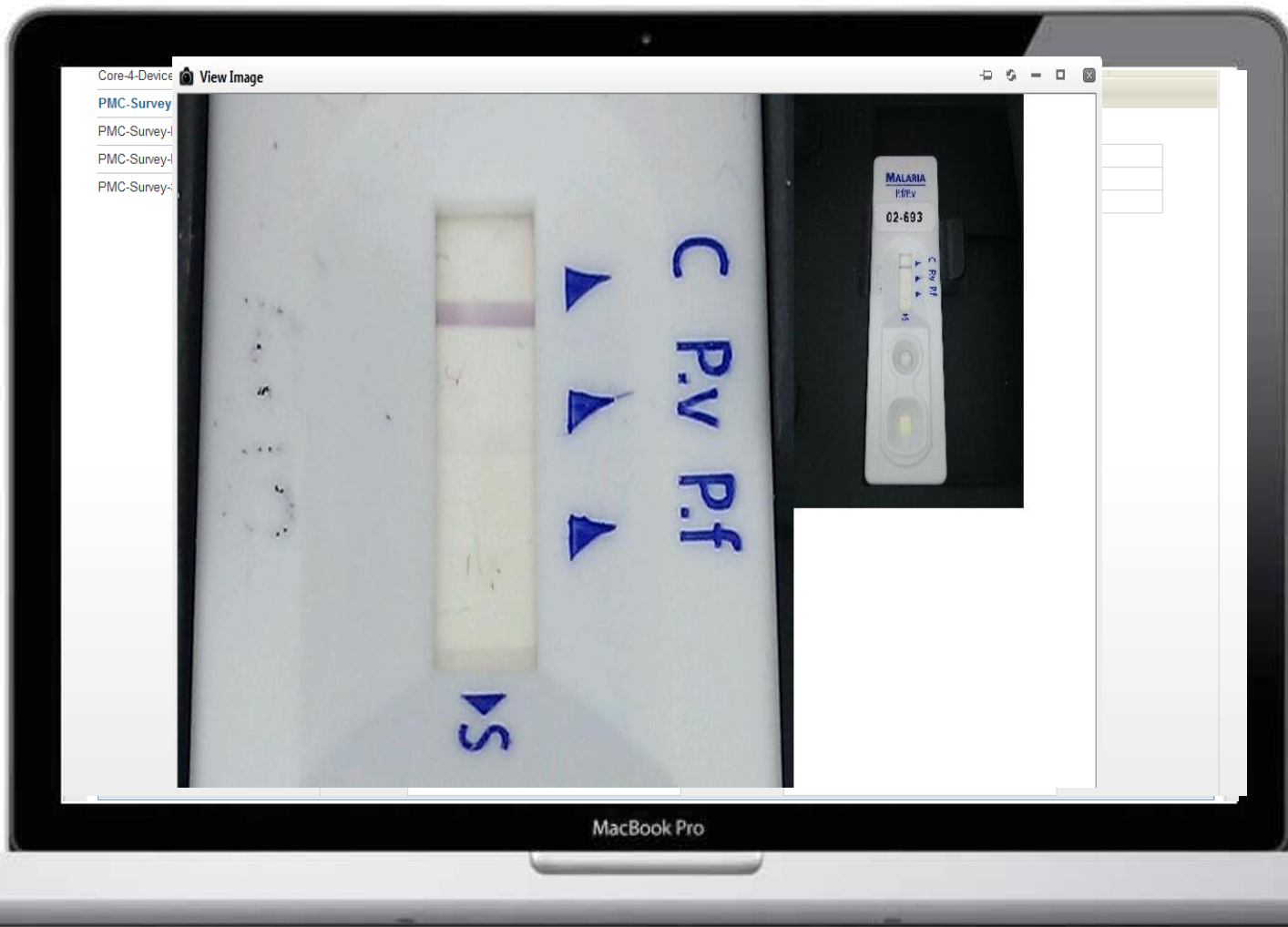
- Training to users (community health workers and managers)

- Technical support and assistance

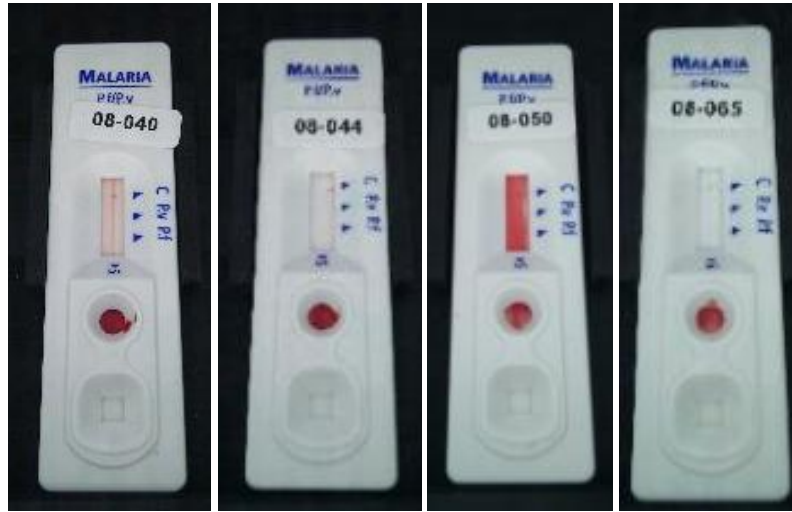
- National Health Information Systems compatibility

- Follow up through Fio Portal



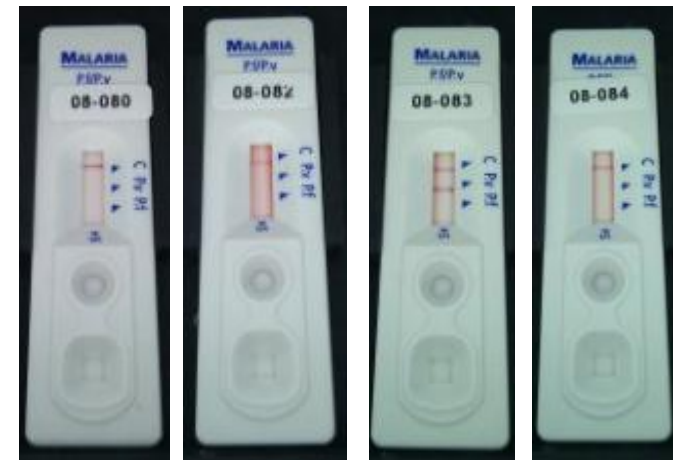


Example of Novel Quality Control



← Before....

After.... →



Perspectives

- Diagnostic capacity validation studies:
 - Caucaseco (Cali – Colombia)
 - Ifakara (Tanzania)
- Emphasis on portability and accessibility to isolated populations
- Does not require connectivity during diagnosis and data collection
- Any application possible (e.g.: dx and management algorithms, guidelines, social media for education campaigns, patient engagement, etc., etc.)
- Cost-effectiveness



Point-of-care technology integrates diagnostics & cloud data services
Exploits mobile phone technology, infrastructure, business models
Successful international field tests