RemoteXpert program

Update April 2014
Xpert MTB rollout questions in High Burden countries

- Initial requirement to monitor GeneXpert systems remotely:
  - How many tests are being performed
  - Identify system or user training issues
  - Monitor disease / resistance treatment logistics
Pilot Package
(tested by NHLS & FIND India today, 1,8M+ test results)

• Functionalities
  – Geographical Disease Trending
  – Error trending per GX operator and module
  – Aggregate reports per region
  – Export test results to Excel
  – Control reporting for each GeneXpert system
  – User access rights

• Components
  – Pilot reporter software on the GX
  – Pilot RUO web application

March 2014: 1,850,000 test results
(simulated data)
Next step: product launch
RemoteXpert v.1 – Q3 2014

Robust platform
- Protect sensitive data
- View, analyze
- Control access
- Facilitate Technical Support
- Share data with others
- Merge with other relevant data

Technical Support: View, analyze, control access, share data with others, merge with other relevant data.
RemoteXpert v.1 – Q3 2014

- Users can monitor systems, Lab users, Trend disease, Report, Extract
- Centrally administer data collection & user access to the data
- Simply Install
- Receive Updates And Documents
- Tech Support is facilitated

Integrated security configuration cannot be modified

- 1. Simply Install
- 2. Centrally administer data collection & user access to the data
- 3. Users can monitor systems, Lab users, Trend disease, Report, Extract
- 4. Tech Support is facilitated
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Features:
- Collects and aggregates test results from GeneXpert systems
- The customer controls what is collected and who can access
- Automated, requires minimal user action on the GeneXpert
- Provides historical and geographic trending
- Provides error trending
- Append data to test results (demographics, algorithm used, ..)
- Share data with authorized institutions (full or summary level)
- Data export for authorised users
- Tech support tools for most frequent cases (logs, test data, ..)
- Push document to GX system (user training)
- Supports GX system replacement or relocation to a different lab
- Remote upgrade of the Reporter application
Implementation steps

• Register to use RemoteXpert
  – Cepheid will train a data administrator in the customer organisation

• Define which data is collected
  – Which assays, timeline, detail level

• Install the Reporter on the GeneXpert systems

• Defines users in the organisation and their access rights
  – Define user’s visibility: Regions / Labs
  – Allow data view types (medical, technical …)

• Enjoy the views

(simulated data)
Data Sharing process

1. Request Monthly MTB summaries

2. Review requests, Authorize or decline
   - Organisation Management

3. Access
   - Summary information
   - Health institution (MOH, WHO, …)

Data sharing process design:
- Health Institution to define an acceptable request (scope, frequency...)
- Data owners review incoming requests
- Accept, or decline with a comment
- Upon acceptance, data is shared at the agreed frequency and delay
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Thank you