A web-based laboratory information system to improve quality of care of tuberculosis patients in Peru

Joaquin A Blaya, Sonya S Shin, Martin JA Yagui, Gloria Yale, Carmen Z Suarez, Luis L Asencios, J Peter Cegielski, Hamish SF Fraser

Presentation by anonymous MIT student
Decrease turn-around-time and error of TB testing using an electronic laboratory system
TB Workflow

Steps

- Ran needs assessment
  - What information was needed
  - How to fit it into current workflow
- Created system with stakeholders
  - e-Chasqui°
- Trained workers
News

- Fully implemented March 2006
- 99% of results viewed online
- Increased usage:
  - 2006 - 1865 views per day
  - 2007 - 4501 views per day
- $0.53 per sample
Contributions

- Cut down turn-around-time to 8 days
- Help quality control
  - Double entry of patients
  - Reminders
How will your system fit into current workflows?
Are you in contact with your stakeholders at all stages?
Have you thought about training?
Questions

What will make your users buy in to your system?
Questions

Is your system a part of a larger structural improvement?