

# Integrating Prevention and Care of Drug-Resistant Tuberculosis

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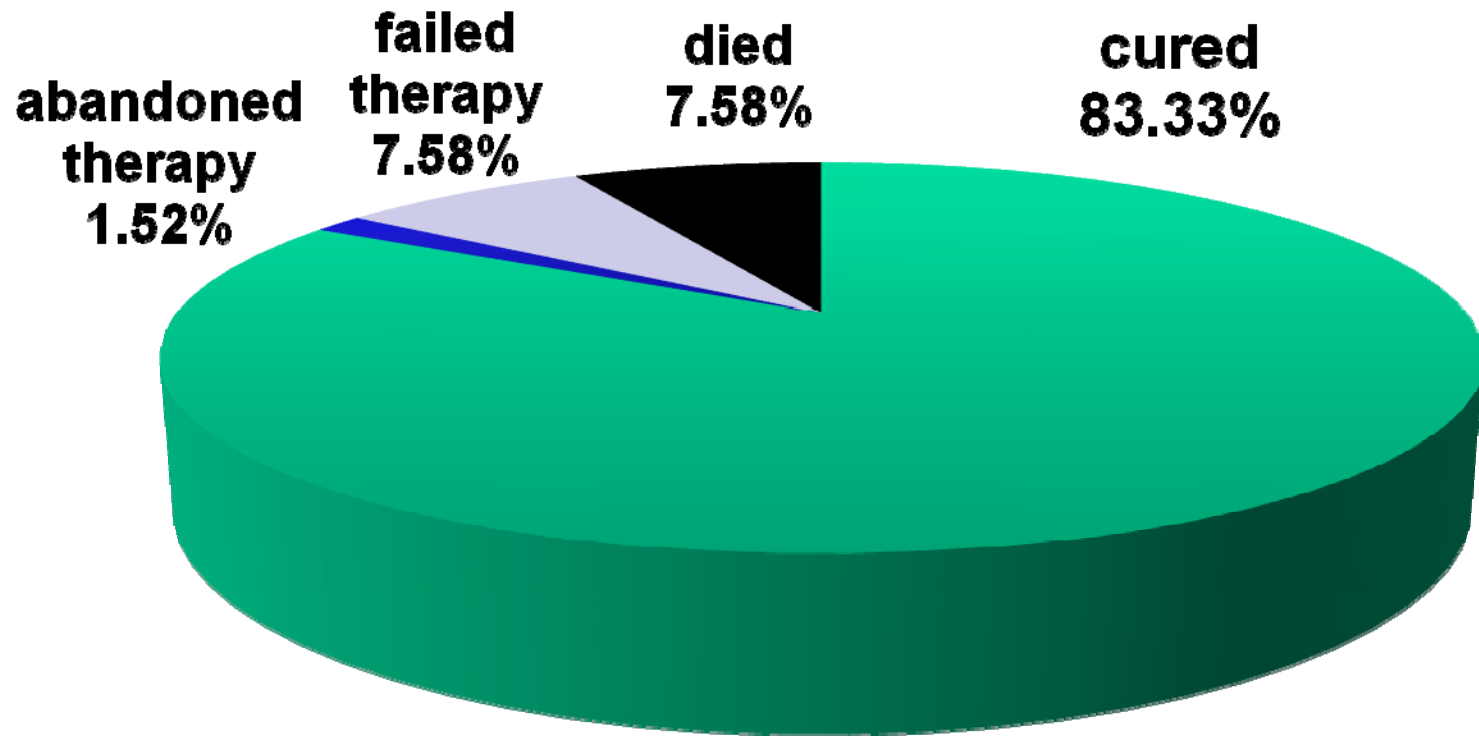
# Conventional wisdom regarding the treatment of MDR TB

“In developing countries, people with multidrug-resistant TB usually die, because effective treatment is often impossible in poor settings.”

WHO, *Groups At Risk*, 1996

# Outcomes in 66 MDR TB patients in Lima, Peru receiving at least four months of therapy

*All patients initiated therapy between August 1996 and February 1999.*





Benefits of frequent contact with health-care workers: high level of treatment adherence; prompt detection of circumstances requiring additional attention, such as adverse events & psychosocial needs; early identification of non-response & DST-guided regimen adjustment.

TB Centers  
of Excellence  
Peru, 2006

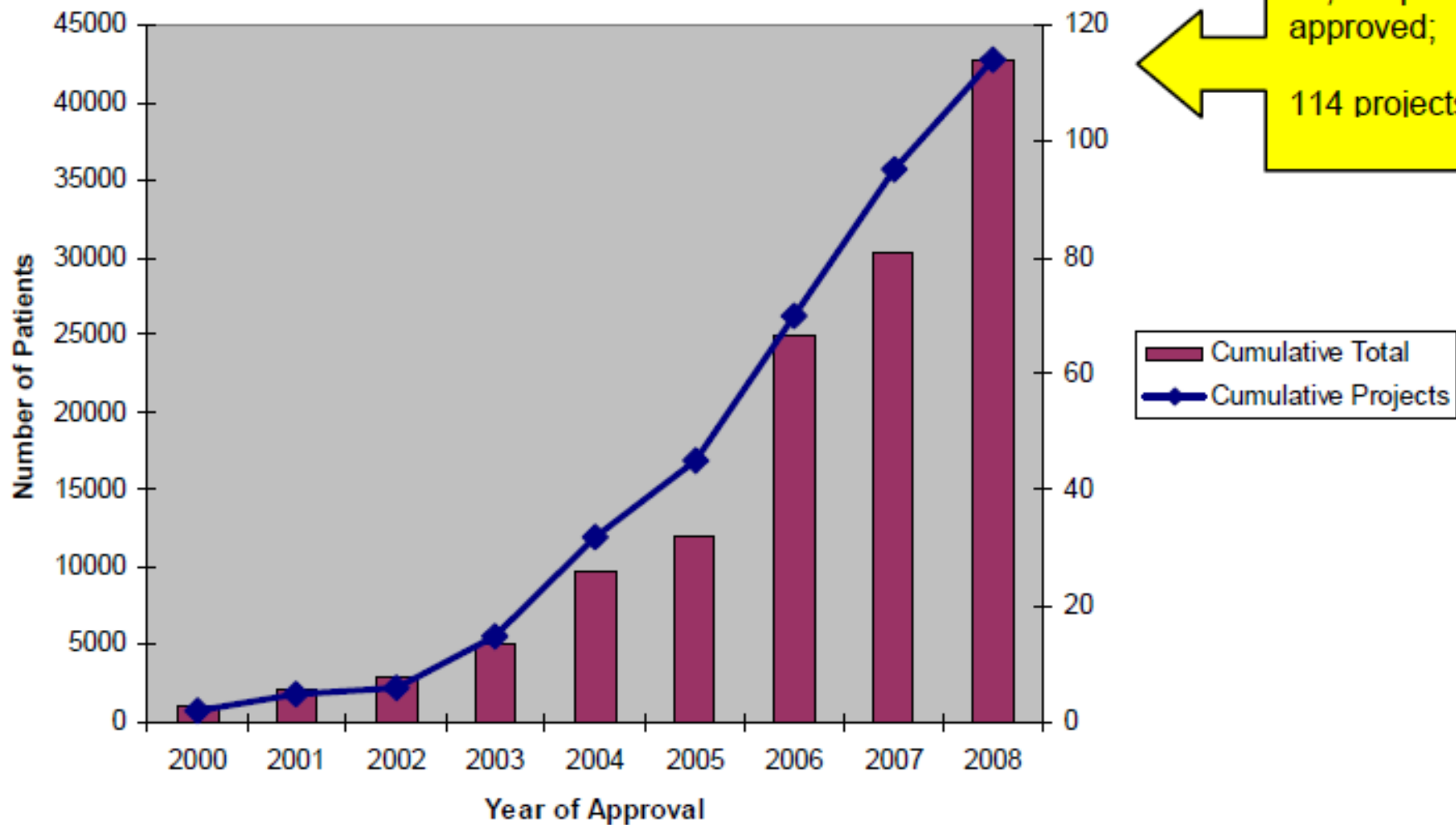


# Retrospective of 651 TB patients in metropolitan Lima, Peru from Feb 1999 – Aug 2002

- **XDR-TB was identified in 7.4% (48); MDR-TB in 92.6% (603)**
- **Comprehensive treatment** included: aggressive management of adverse events; nutritional support, group therapy, & opportunity for participation in microfinance initiatives; follow-up screening for recurrent disease; efforts to reduce household transmission.
  - **29 (60.4%) XDR-TB patients completed tx or were cured**
  - **412 (67.6%) MDR-TB patients completed tx or were cured**
- Outcomes were better than most reported from hospitals in Europe, the US, & Korea, where cure was achieved in < 50% of XDR-TB patients.

ITR Outcome	XDR-TB	MDR-TB
	Frequency (%)	Frequency (%)
<b>Good outcomes</b>	<b>29 (60.4)</b>	<b>400 (66.9)</b>
Cured	29 (60.4)	395 (65.6)
Completed	0 (0.0)	5 (0.8)
<b>Poor outcomes</b>	<b>19 (39.6)</b>	<b>198 (33.1)</b>
Defaulted	3 (6.3)	62 (10.3)
Treatment Failed	5 (10.4)	13 (2.2)
Died	11 (22.9)	123 (20.6)
<b>Median days to culture conversion (95% CI)</b>	<b>90 (57,115)</b>	<b>61 (59, 67)</b>

## GLC Projects and Patients as of August 2008



42,000 patients approved;  
114 projects

# TB Triage – PIH (Haiti)

Community based TB treatment

Hospitalized patients

General ward

Sm -, HIV +/-

TB Pavilion

Sm+, HIV-

6 isolation rms

SM+ and HIV+

