

Strengthen the systemic capacity to stop the spread of MDR-TB in Henan, China

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Outline

- * Context
 - Epidemic of TB
 - MDR-TB and DOTS
- * Problem tree analysis for high MDR-TB prevalence
- * Solution: strengthen the systemic capacity to stop the spread of MDR-TB
- * Action plan for policy issues
- * Conclusions

Epidemic of TB

- * TB has been resurging .
- * A global emergency (1993)
- * Prevalent cases: 13.7 million;
- * MDR-TB: 0.5 million (2007)
- * XDR-TB: 55 countries and territories
- * Ministerial Meeting on M/XDR-TB

TB in China and in Henan

- * China:

- One of 20 countries with a high TB burden worldwide.
- Incidence rate of TB in China was 98/100,000 (2007)



- * Henan:

About 10% of TB cases are in Henan.

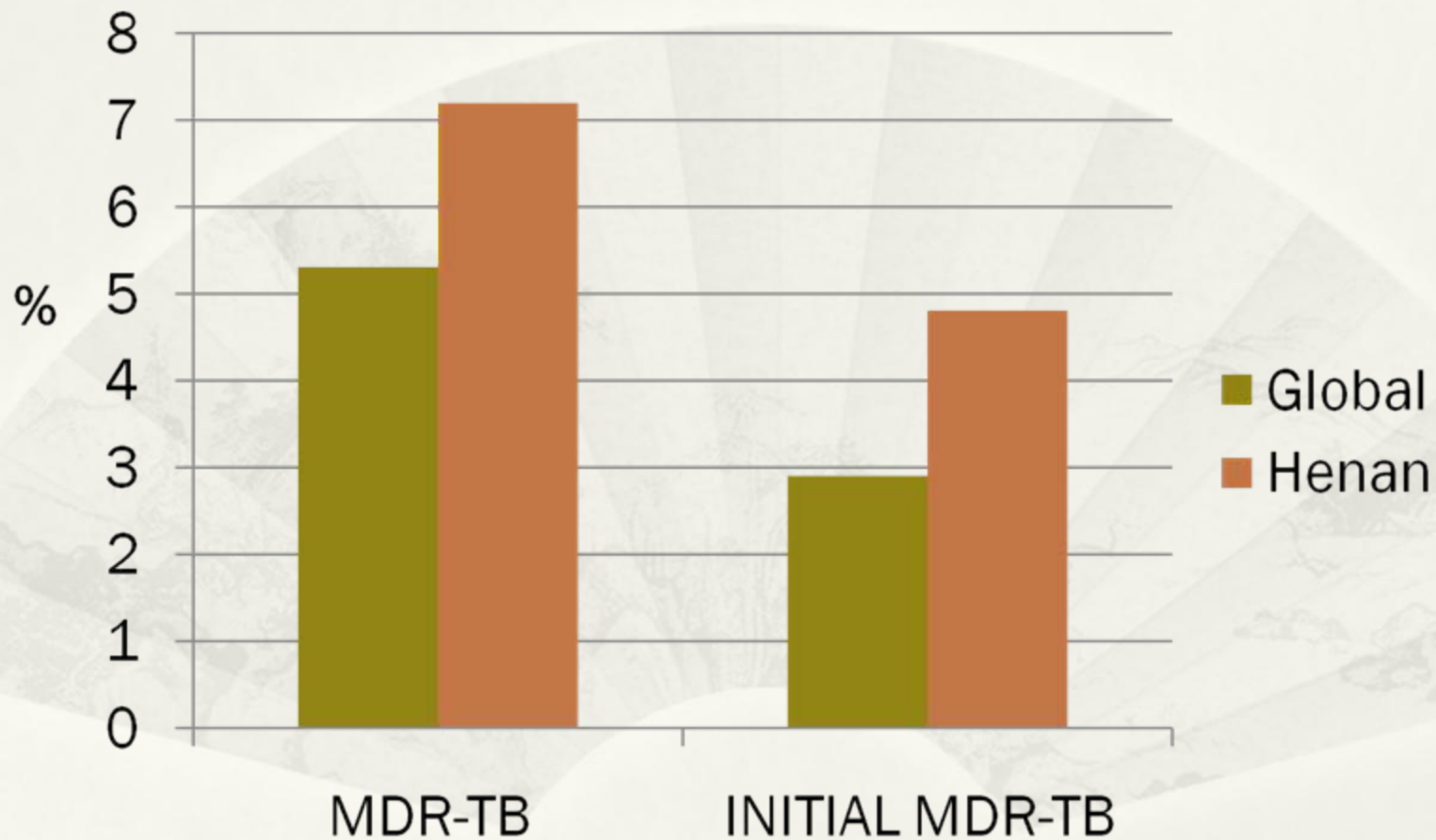
MDR-TB incident cases: about 1000.

MDR-TB rate and DOTS in Henan

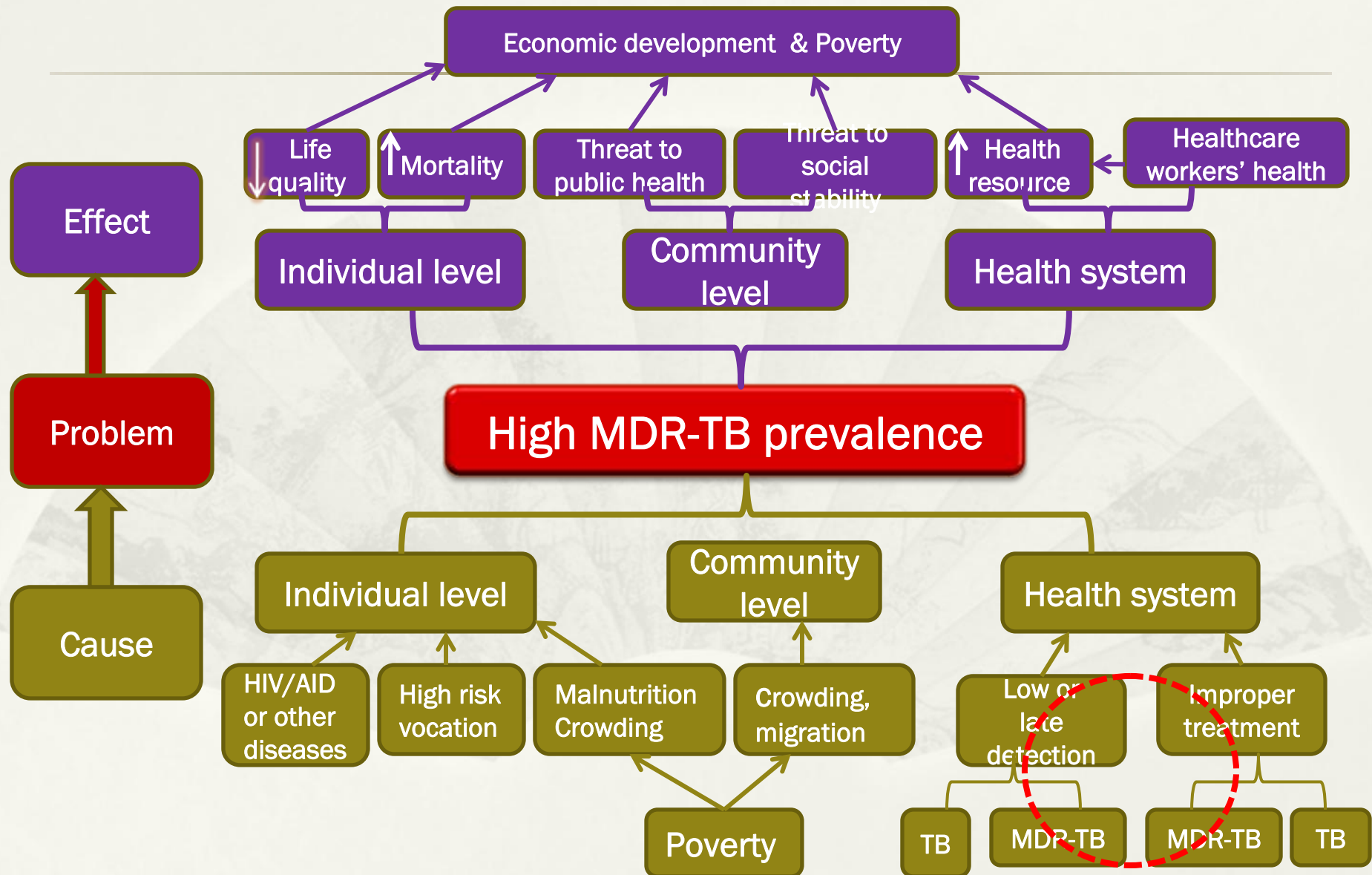
Year	MDR-TB (%)	Initial MDR-TB (%)	DOTS coverage rate (%)
1996	23.3	10.8	36
2001	12.9	7.8	89%
2007	7.2	4.8	100%

Note: Since 2003 the DOTS coverage rate has been reaching 100%

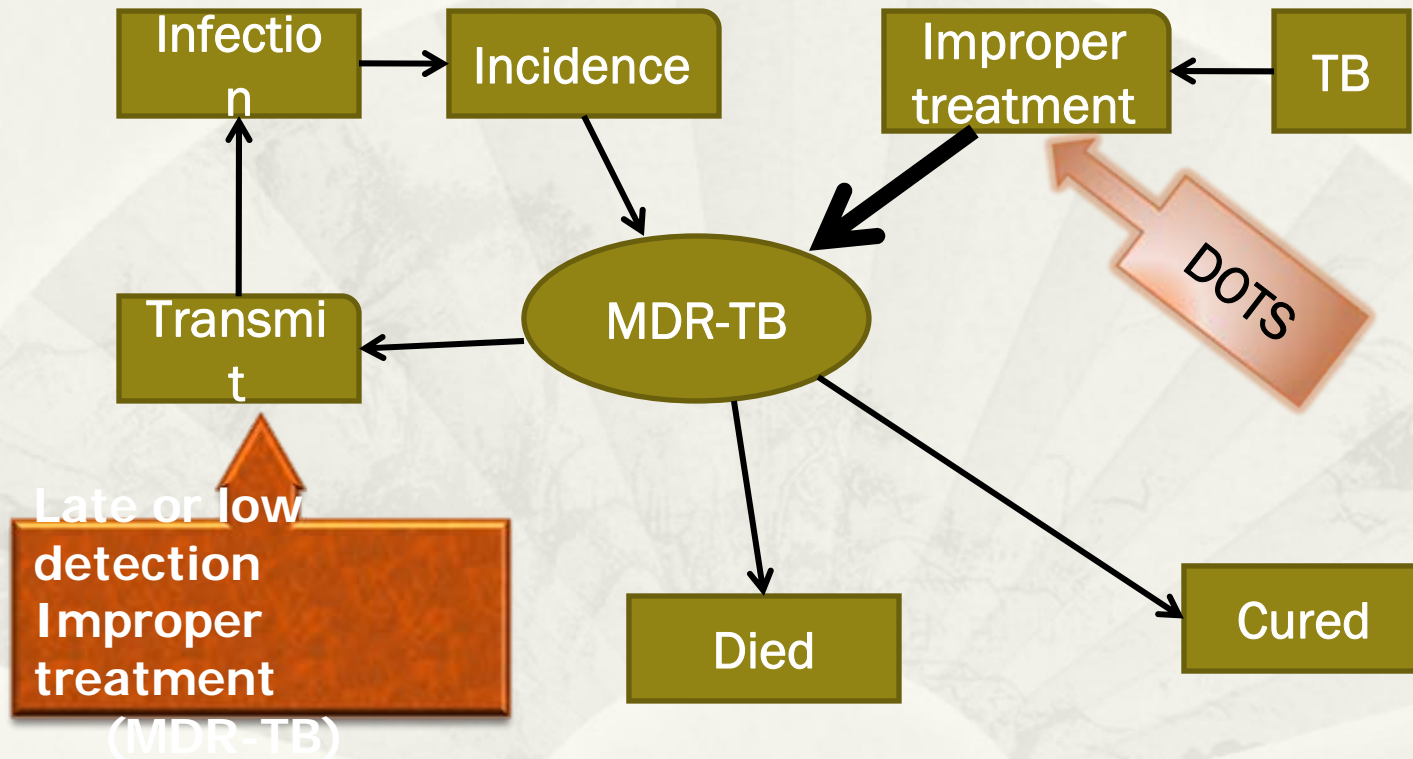
MDR-TB rate comparison with global level



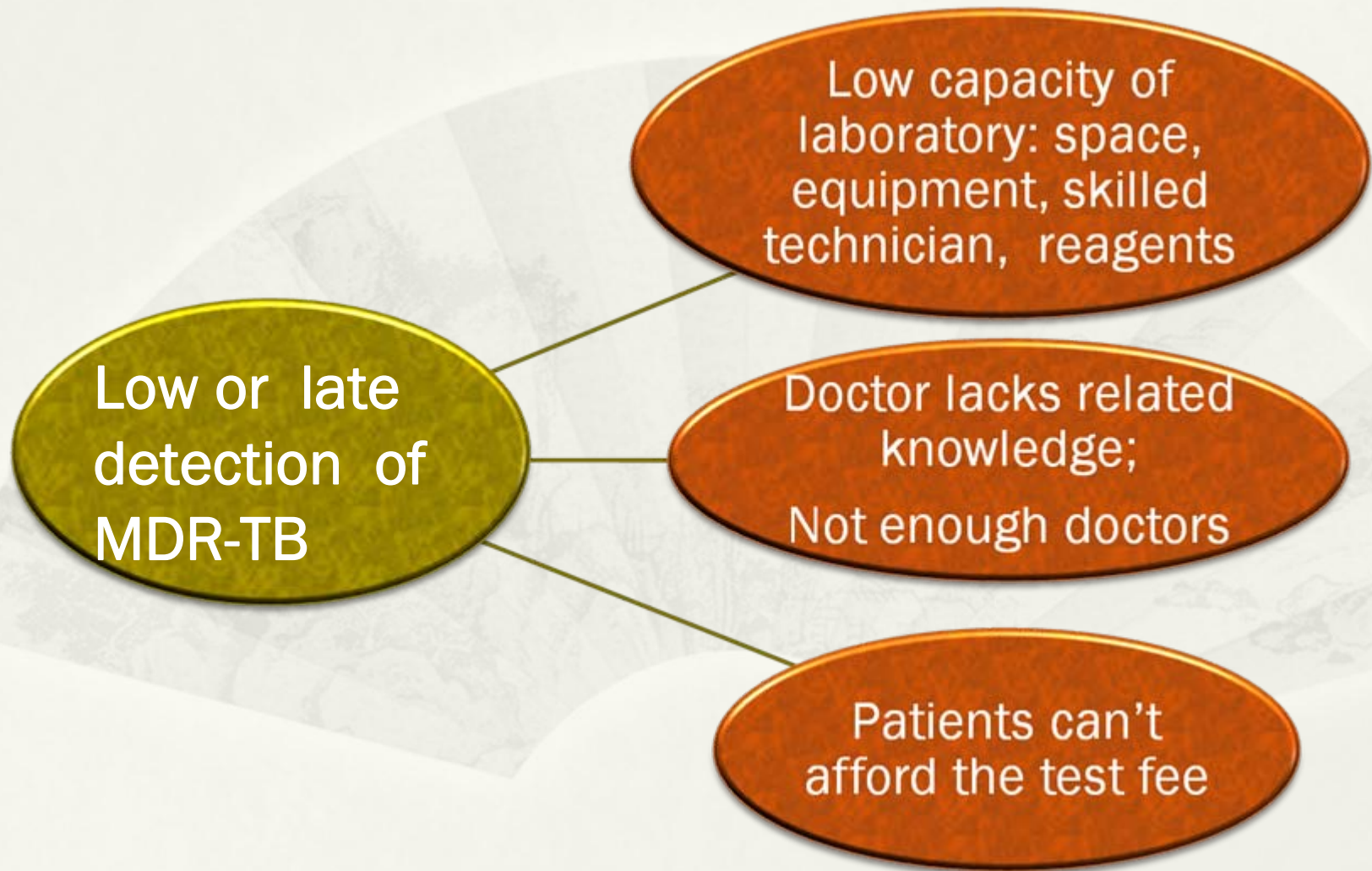
Problem tree analysis



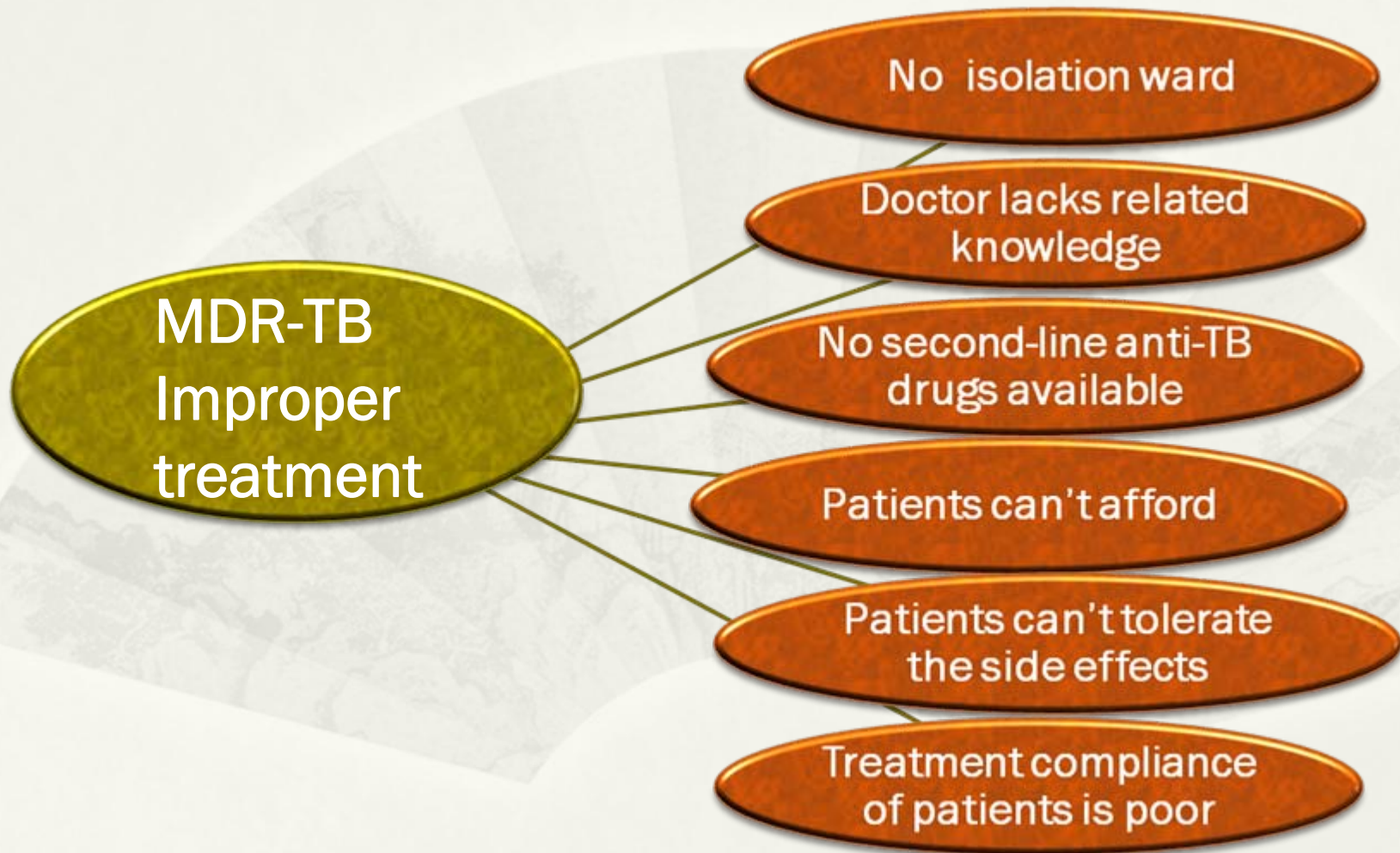
Dynamics of MDR-TB



Root cause of the problem



Root cause of the problem



Solution

- * Strengthen the systemic capacity to stop the spread of MDR-TB

Performance capacity

Personal capacity

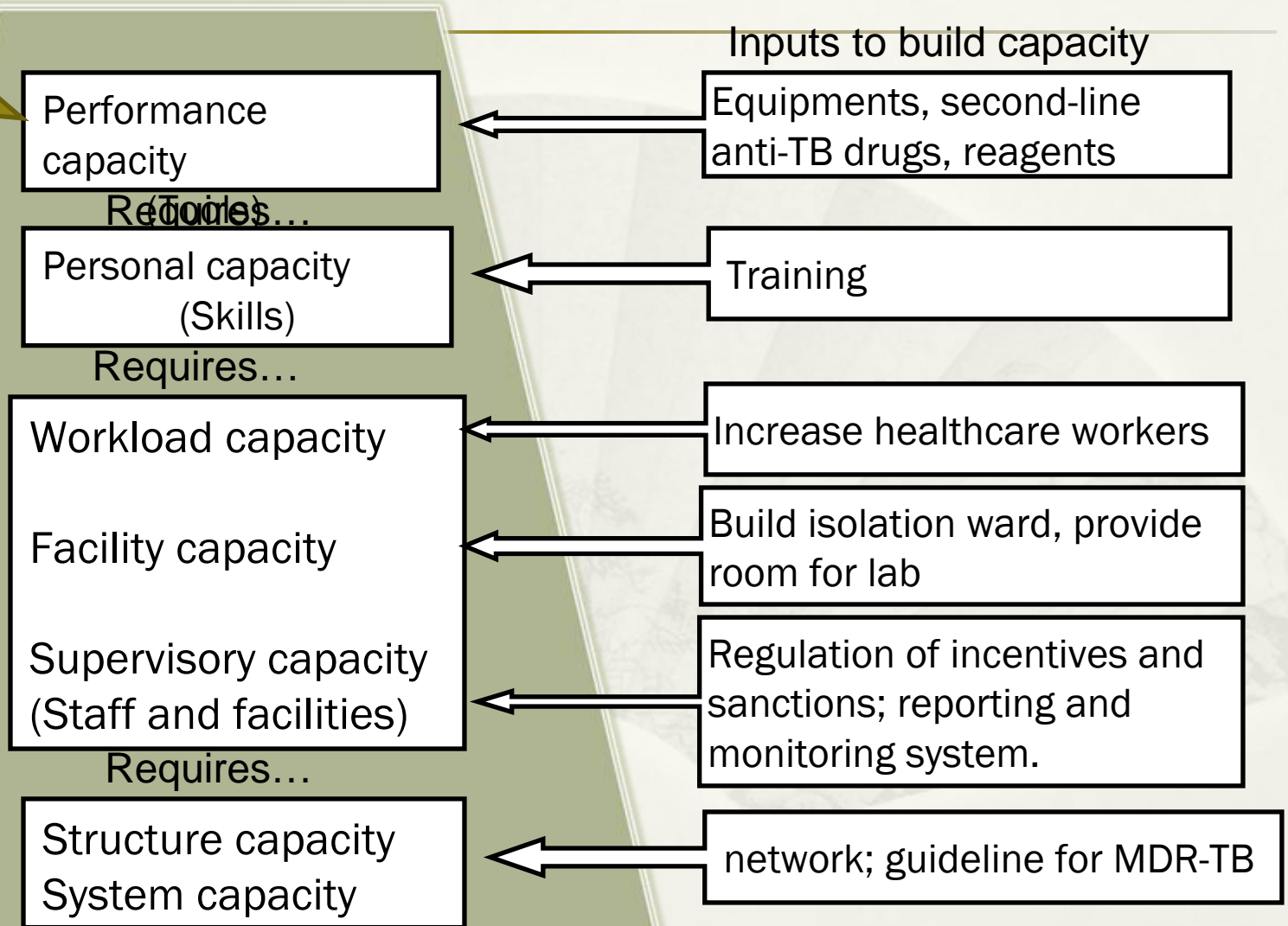
Workload capacity

Facility capacity

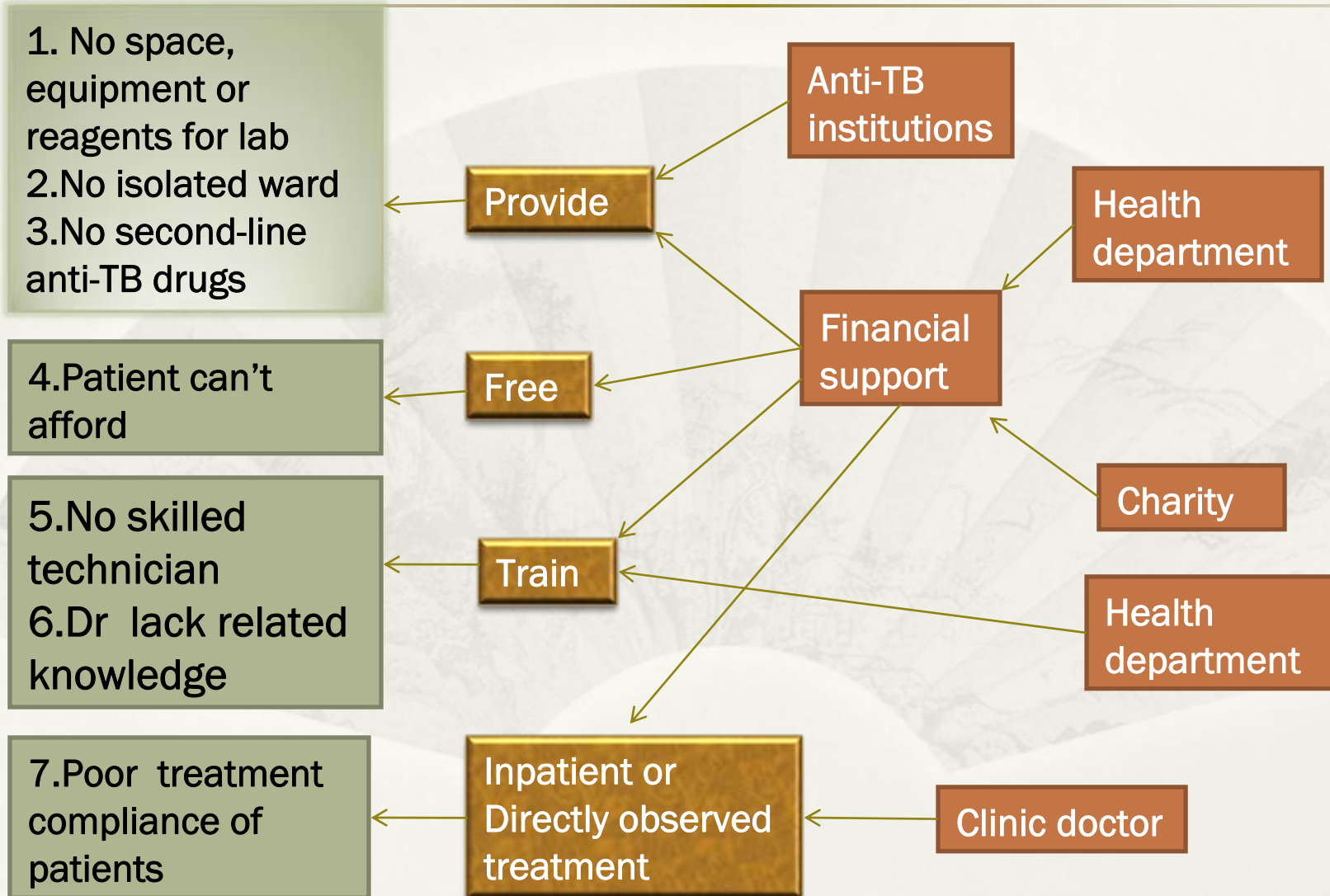
Supervisory capacity

Model for capacity building

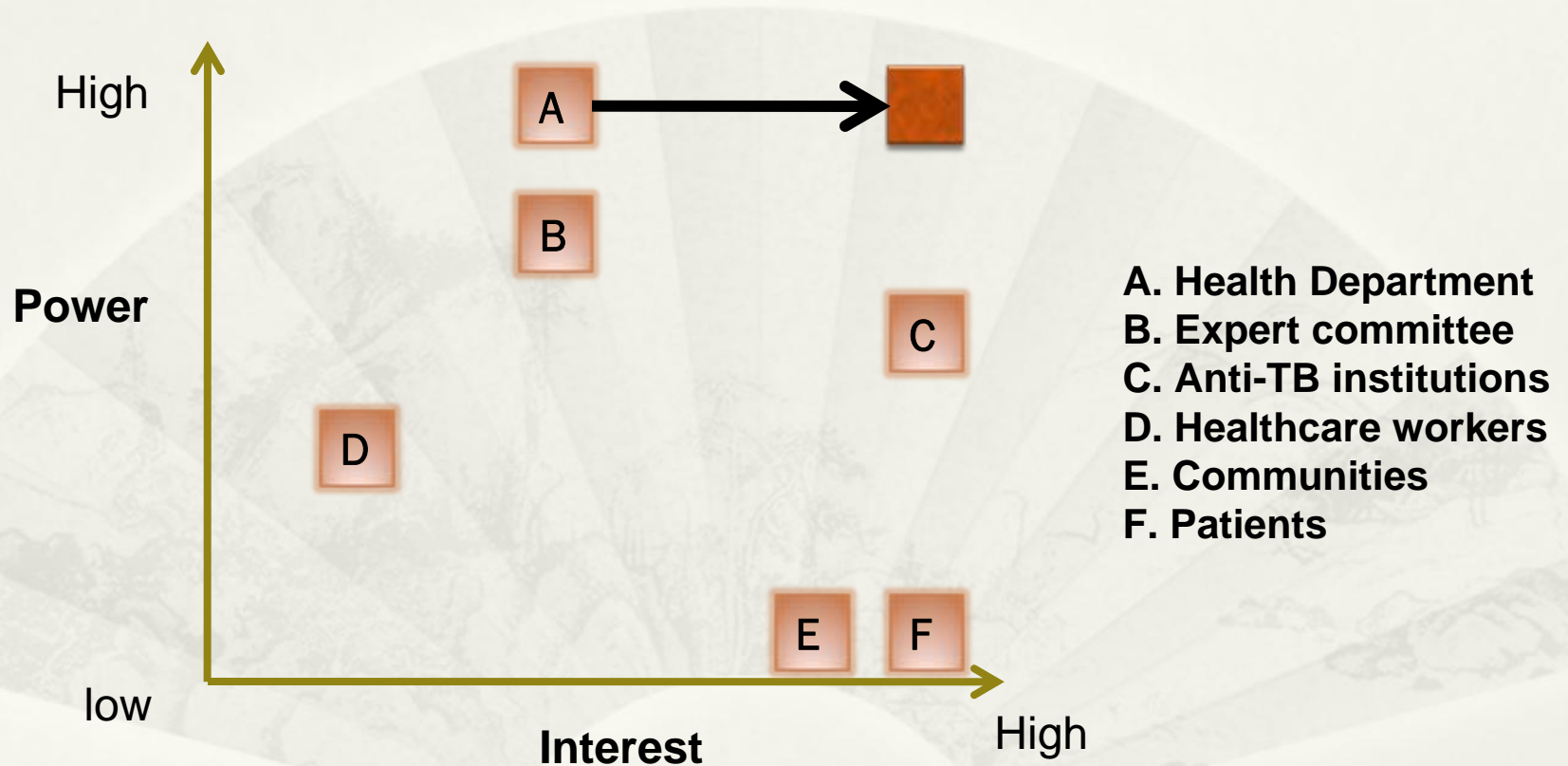
Detection
Treatment



Causes and solutions



Stakeholders analysis



Action plan for policy issue

- * Submit the policy brief to the health department and ask for approval
- * Publish research
- * Share results with the anti-TB institutions
- * Give presentation to expert committee
- * workshop for healthcare workers
- * Link the media to patients & communities

Conclusion

- * MDR-TB is threatening the public health
- * It will effectively reduce MDR-TB prevalence in Henan to increasing the budget on strengthening systemic capacity for detection and treatment.

Acknowledgement

- * Many thanks to the whole staff of the AusAid-ALA Fellowships program and other visiting fellows for their sincere instruction, teaching and help during the course.



Thanks