

# Assessment of the Digital Health landscape in Kazakhstan

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Wolfheze workshop 2017



#### Kazakhstan

High MDR-TB country ~ 53% Increasing HIV ~ 17%

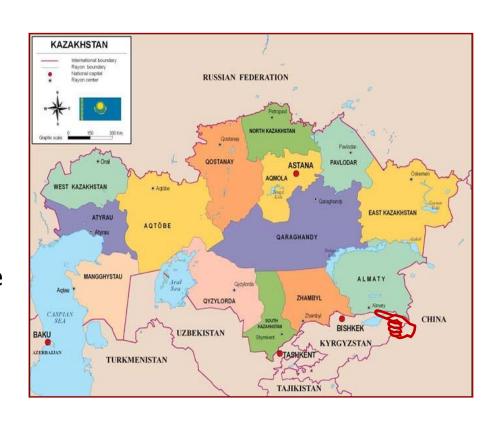
Two parallel programs (NTP, NAP)

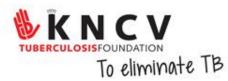
Health reform (health insurance, public private partnership)

Digital Health on the agenda of the MoH

Patient-centered approach

Limited involvement of NGOs in TB care







### **Kazakhstan: KNCV activities**

Strengthen collaboration between public and non public sectors

Strengthen capacity in TB and HIV care

Increase access to quality TB and HIV services for key populations

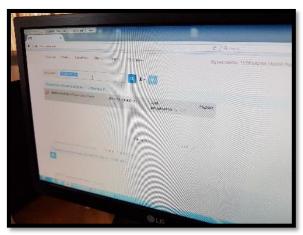




# **Implementation of Digital Health solutions**

**Successful,** sustainable implementation of digital health solutions **requires** an a **holistic** assessment of steps, processes, gaps and (available) information systems in the patient pathway







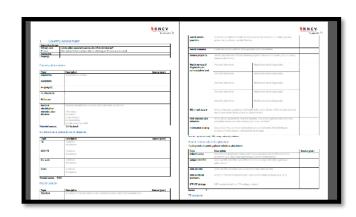




# **KNCV** Digital Health assessment

KNCV has developed a digital health assessment tool that utilizes the patient pathway framework

Its purpose is to assess existing information systems with associated applications and identify any opportunities and gaps along the patient pathway





This allows mapping of needs along the pathway and matching them with existing and potential digital health solutions.





# **KNCV** Digital Health assessment

# **Experiences and initial findings from Kazakhstan**

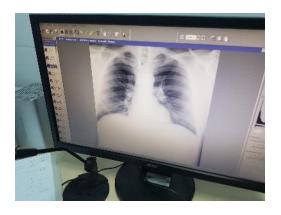




### Visits and activities (1)

#### Field visits to all relevant sites

- Almaty City TB dispensary
- Private- and public primary health centers
- National TB Reference laboratory
- HIV Center of Almaty City
- NGO's







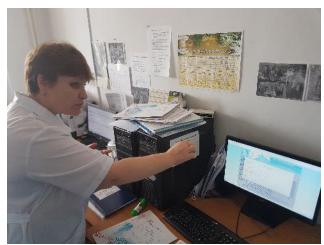




## Visits and activities (2)

#### Meetings with stakeholders

- Meeting with patients
- Meeting with Acting Director of National Scientific and Phthisiopulmonology Center under Ministry of Health of The Republic of Kazakhstan
- Meeting with director of Almaty City Healthcare Department
- Meetings with several data managers,
   M&E specialists and project staff









# **Digital Health workshop**

Stakeholders (HCD, NTP, NAP, PHC, PIU GF, NGO's, AFEW, KNCV)

- Orientation on digital health technologies
- 2. Asses **steps** and **identify needs** along the patient pathway with stakeholders
- 3. Discuss **opportunities** and **feasibility** for the implementation of digital technologies



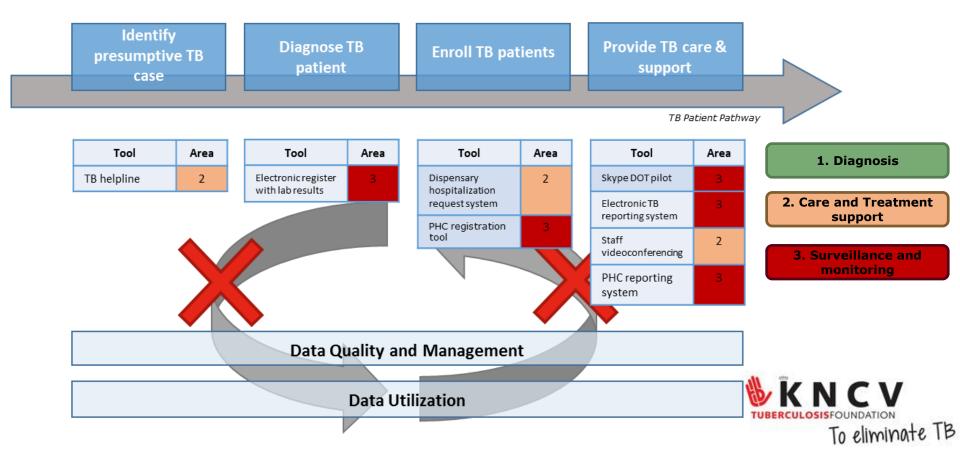






#### Results

#### Digital Health solutions linked to patient pathway





# (Initial) findings

- Most Digital Health technologies implemented used for Surveillance and Monitoring not for Diagnosis and Care and treatment support:
  - But stakeholders request more engagement (eg. treatment adherence technologies and digital reporting of diagnostic results)
- Information systems are fragmented
  - Limiting cross-reference of health seeking behaviors, diagnosis and treatment
  - Accessibility of information is challenging
  - Double data entry -> time consuming





#### **Conclusion**

#### KNCV Digital Health approach

Mapping needs and information systems along the patient pathway facilitates analysis of gaps and is a feasible approach to identify potential digital health solutions to support quality care and enable data drive decision making





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Private clinic "Dostar Med"

Kristina Zhorayeva Ulzhan Lukpanova Erbol Lukpanov Roza Idrisova TB patients

AFEW Kazakhstan NGO "Zabota"

NGO "Sanat Alemi"

