



USAID
FROM THE AMERICAN PEOPLE

TB CARE II

DIGITAL HEALTH TECHNOLOGIES FOR A WORLD FREE OF TUBERCULOSIS

JULY 24-26, 2018
NEW DELHI, INDIA

Neeraj Kak

Day 1





USAID
FROM THE AMERICAN PEOPLE

TB CARE II

Session 1

Workshop Introduction and Objectives





USAID
FROM THE AMERICAN PEOPLE

TB CARE II

USAID is the lead U.S. Government entity for international TB programming. As the largest bilateral funder of TB efforts worldwide, USAID works in partnership with Ministries of Health, the Global Fund to Fight AIDS, Tuberculosis and Malaria (Global Fund), the World Health Organization (WHO), the Stop TB Partnership, the private sector and civil society to reach every person with TB, cure those in need of treatment, and prevent new TB infections through a patient-centered approach aimed at alleviating suffering and saving lives.



USAID
FROM THE AMERICAN PEOPLE

TB CARE II

- USG is committed to support the implementation of the ***National Action Plan (NAP)*** by applying new and existing scientific and technological evidence and tools, and the expertise and experience to reversing the worldwide spread of TB and MDR-TB.
- The NAP focuses on ten countries (**China, India, Indonesia, Kazakhstan, Myanmar, Nigeria, Pakistan, Philippines, South Africa, and Ukraine**) that contribute to over 60% of the global MDR-TB burden.
- **Digital technologies** strengthen health systems by improving data services and information flow for system managers and offering health providers and patients better access to innovative tools in prevention, diagnosis and treatment for TB and DRTB.



USAID
FROM THE AMERICAN PEOPLE

TB CARE II

Workshop Objectives

- Through this workshop, the TB CARE II team will work to support NAP countries to:
 - Present landscape analysis of the existing digital technologies in the 10 NAP countries and comprehensive conceptual framework for digital health in general and TB in particular.
 - Review and share evidence and best practices of effective and integrated digital health interventions in TB care and control in the 10 NAP countries.
 - Showcase digital technology solutions and tools implemented on the global scale and locally in India, that support NTPs to achieve global and national objectives.



USAID
FROM THE AMERICAN PEOPLE

TB CARE II

Workshop Objectives

- Identify needs and opportunities for development of new digital health tools to support NAP countries in combating DR TB.
- Select a few innovative digital solutions for each NAP country to focus on in 2018-2019 which will support current national TB strategic plans.
- Develop a national digital health agenda for TB in line with local needs and capacity to scale up and sustain.



USAID
FROM THE AMERICAN PEOPLE

TB CARE II

Session 1

Introductions of country teams
(India , Indonesia, South Africa, Nigeria,
Kazakhstan, Myanmar, Philippines, Pakistan
and Ukraine).





USAID
FROM THE AMERICAN PEOPLE

TB CARE II

Workshop Expected Outcomes

- Demonstrate and showcase innovative digital health solutions for TB;
- Promote digital health solutions as cost effective and high impact platforms to advance TB efforts in the 10 NAP countries;
- Advance public private partnership and resource mobilization efforts among in-country stakeholders
- Help countries to initiate or scale up high quality digital technologies for TB which integrate evidence of impact thinking for effective and sustainable impact.



USAID
FROM THE AMERICAN PEOPLE

TB CARE II

Session 2

Overview of Digital Health Technologies

Concepts in digital technologies to address priority gaps in global health systems and in individual NAP country cases

Neeraj Kak



- **Digital Health Technologies (DHT):** Collective term for all eHealth and mHealth technologies.
- **Digital Literacy:** The level of familiarity and understanding a person has with digital tools. This ranges from basic digital literacy (using functions on mobile phones; familiarity with a QWERTY keyboard) to advanced digital literacy, (using coding languages to build digital tools).
- **Digital Technology Ecosystem:** All of the active, interacting digital tools and components in a bounded environment
- **e-commerce:** Buying or selling products or services online



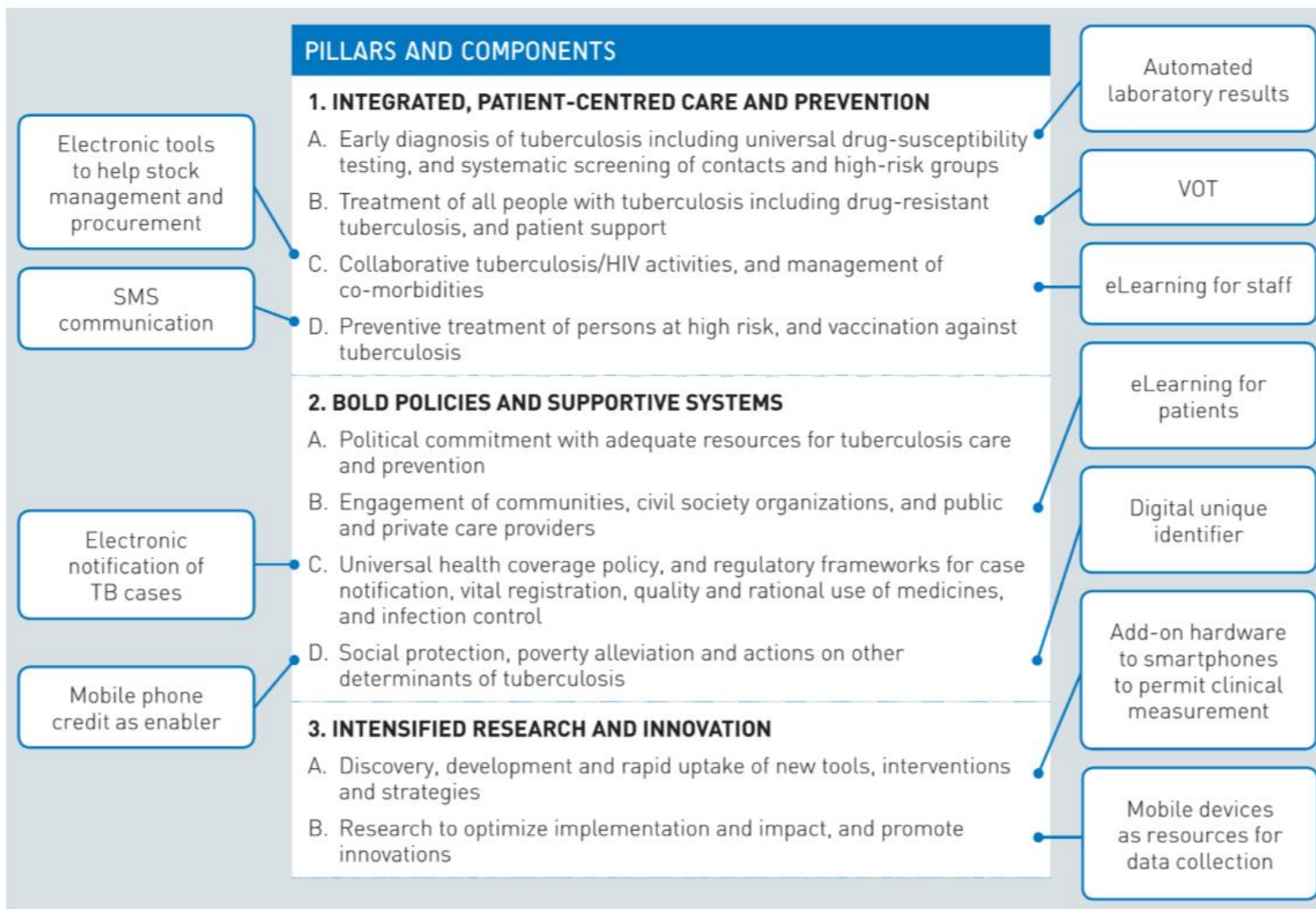
USAID
FROM THE AMERICAN PEOPLE

TB CARE II

- **eHealth:** the cost-effective and secure use of information and communication technology (ICT) for health and health-related fields.
- **eLearning:** An approach to learning that utilizes digital platforms to enhance knowledge sharing and training for professionals. This includes multiple formats including distance learning, blended learning, computer-based learning, synchronous learning courses (in real-time) and asynchronous courses.



- **Information and Communication Technology (ICT):** The means employed to provide access to information through internet, wireless networks, mobile phones and other communication channels.
- **mHealth:** Provision and support of health services and information through mobile technologies such as mobile phones, tablet computers and personal digital assistants (PDAs).
- **Telehealth:** The support and enhancement of healthcare through telecommunication technologies, often using mobile devices for communication





USAID
FROM THE AMERICAN PEOPLE

TB CARE II

Thank You

www.tbcare2.org





USAID
FROM THE AMERICAN PEOPLE

TB CARE II

Session 2

Overview of Digital Health Technologies

Classification of digital health solutions for TB — The classification of digital health solution categorizes the different ways in which digital and mobile technologies are being used to support health system, providers and patients' needs

Dennis Falzon