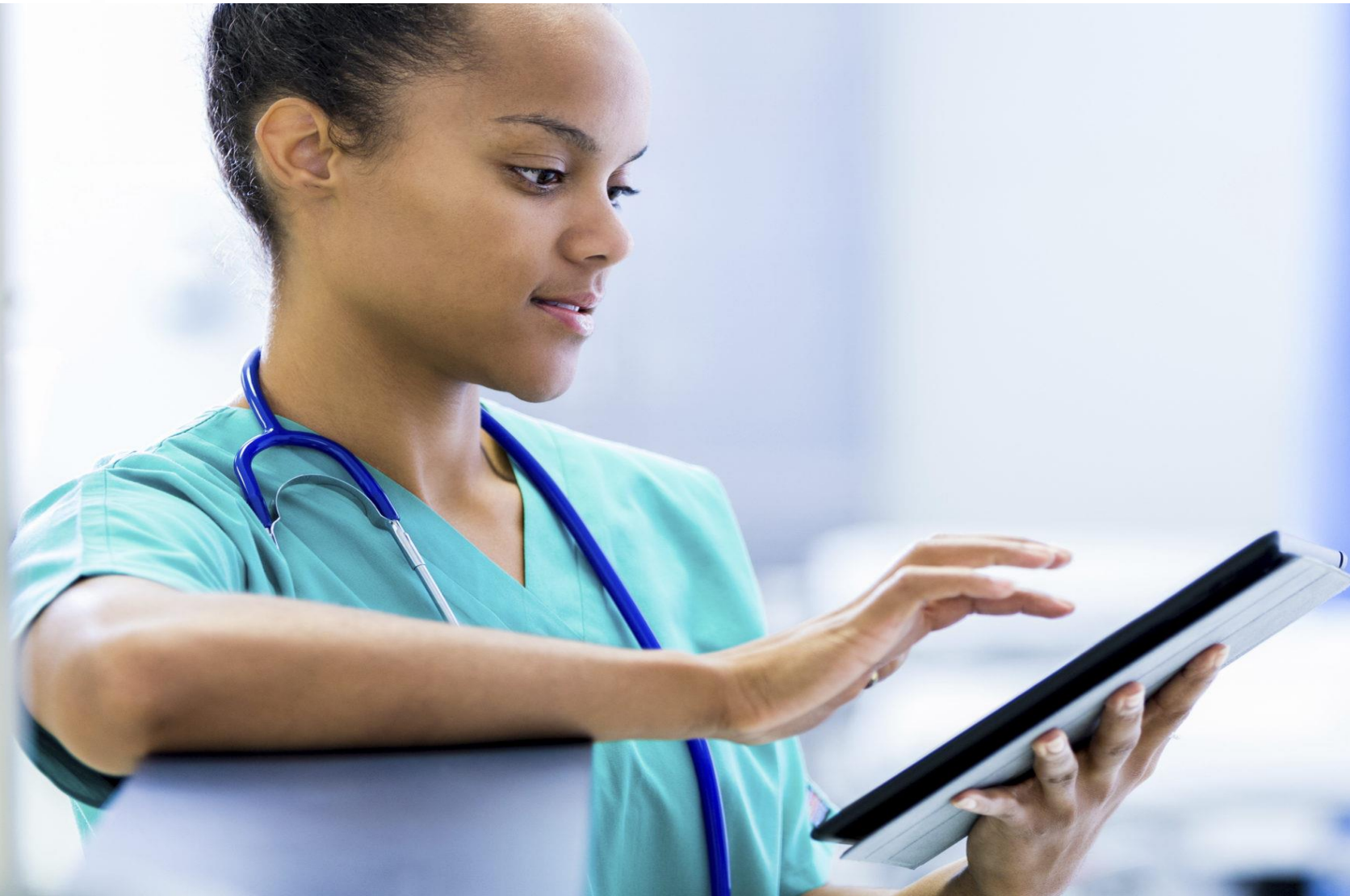




MINISTRY OF
**HEALTH &
WELLNESS**

JAMAICA *One Patient, One Health Record*



IDB Loan JA-L 1049 **Component 2**

2

Improvement of Management, **Quality & Efficiency of Health Services**

\$6.5
MM



1. Create a strong foundation for a digital health ecosystem



2. Design and implement a sustainable Electronic Health Record (EHR) platform



3. Strengthen the telemedicine capacity



Governance Outcomes

Data Protection

- Personal Health information protection regulatory framework
- Secondary use of data policy
- Personal health information Code of Practice
- Information Security Strategy

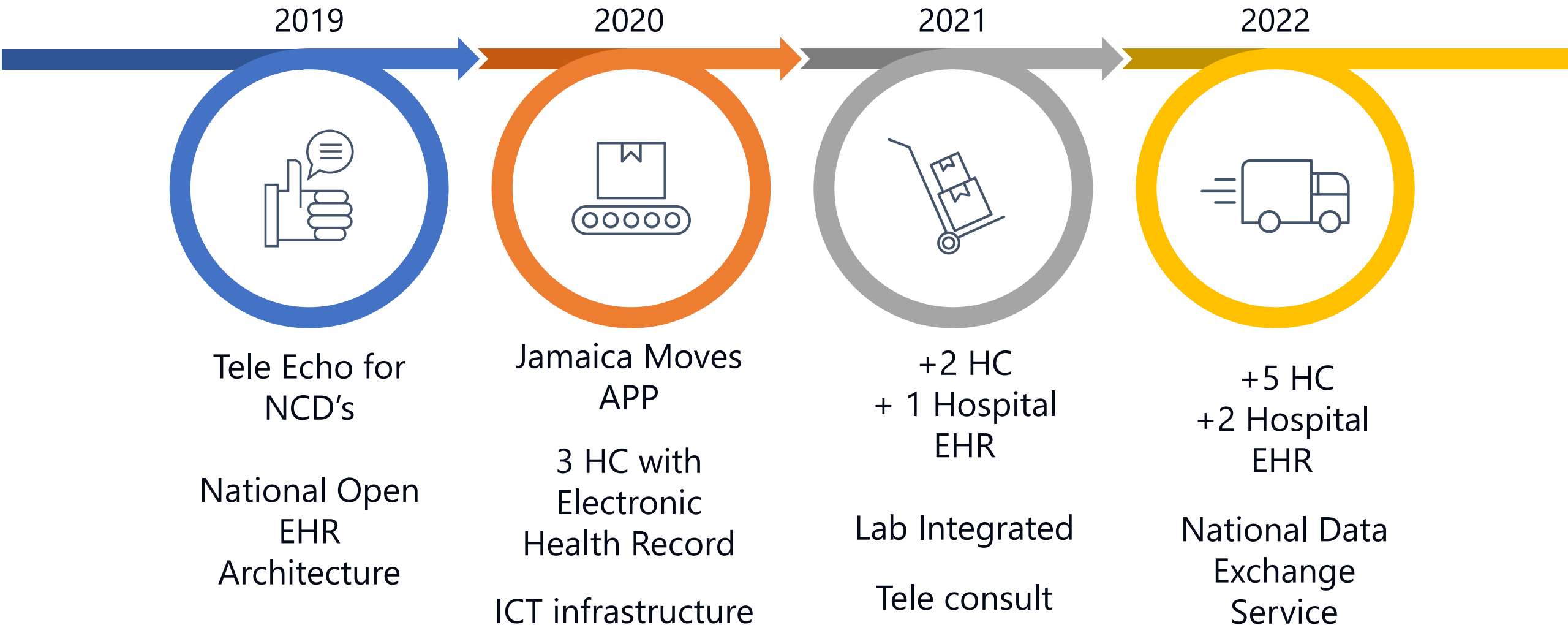
Interoperability

- Interoperability and standards Policy
- E-prescription Policy
- Regulation for Health information exchange
- National Health catalogs

Digital Health

- National Digital Health Blue Print
- National Strategic Plan
 - IS4H manpower
 - National IS4H Committee
- Sustainability model
- EHR and Tele-Health Policy

Digital Health Outcomes

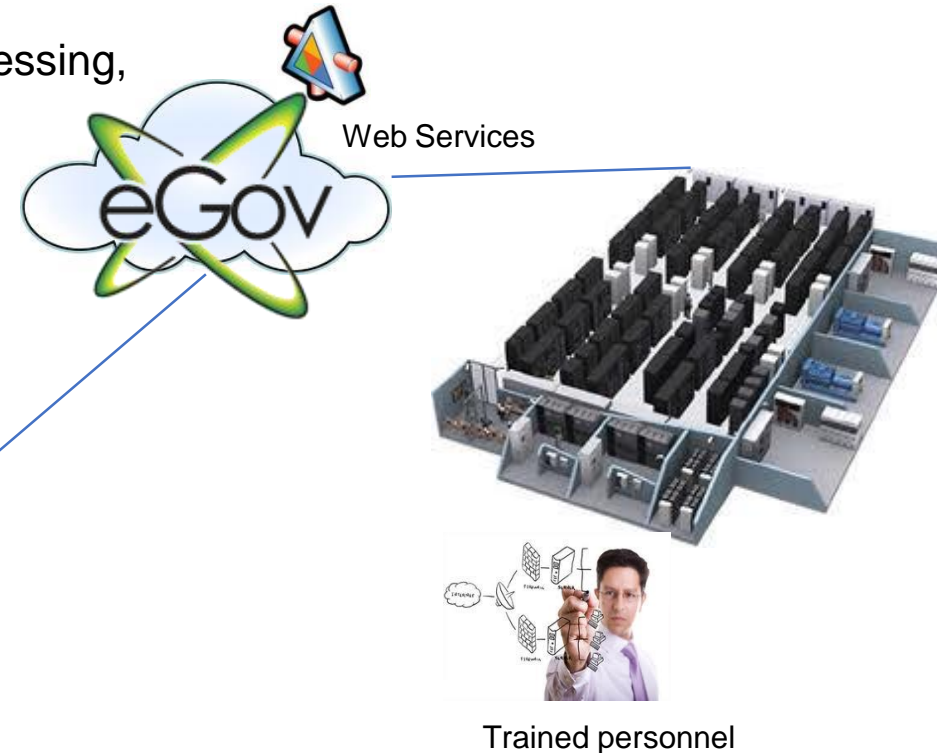


Technological infrastructure



Features:

- ✓ Redundancy of electrical connections, batteries, UPS.
- ✓ Redundancy of connectivity (communication networks)
- ✓ Redundancy in IT infrastructure (servers, storage, processing, platforms)
- ✓ Operating model based on ITIL v3.
- ✓ Design certified by the Uptime Institute Tier III.
- ✓ Valid design by ICREA
- ✓ Compliance with ISO-27000, ISO-17001 and 17002.



Road map

- 1 Strategy, leadership and governance
- 2 Regulations and policies
- 3 Communication infrastructure and common platforms
- 4 Interoperability
- 5 Partnerships
- 6 Financing models

Data Protection
and Telehealth
Policy

ICT Infrastructure
E-health Architecture

3 Health Facilities



EHR



EHR

100% Health Facilities
EHR Implemented

2019

2020

2021

2022

2023

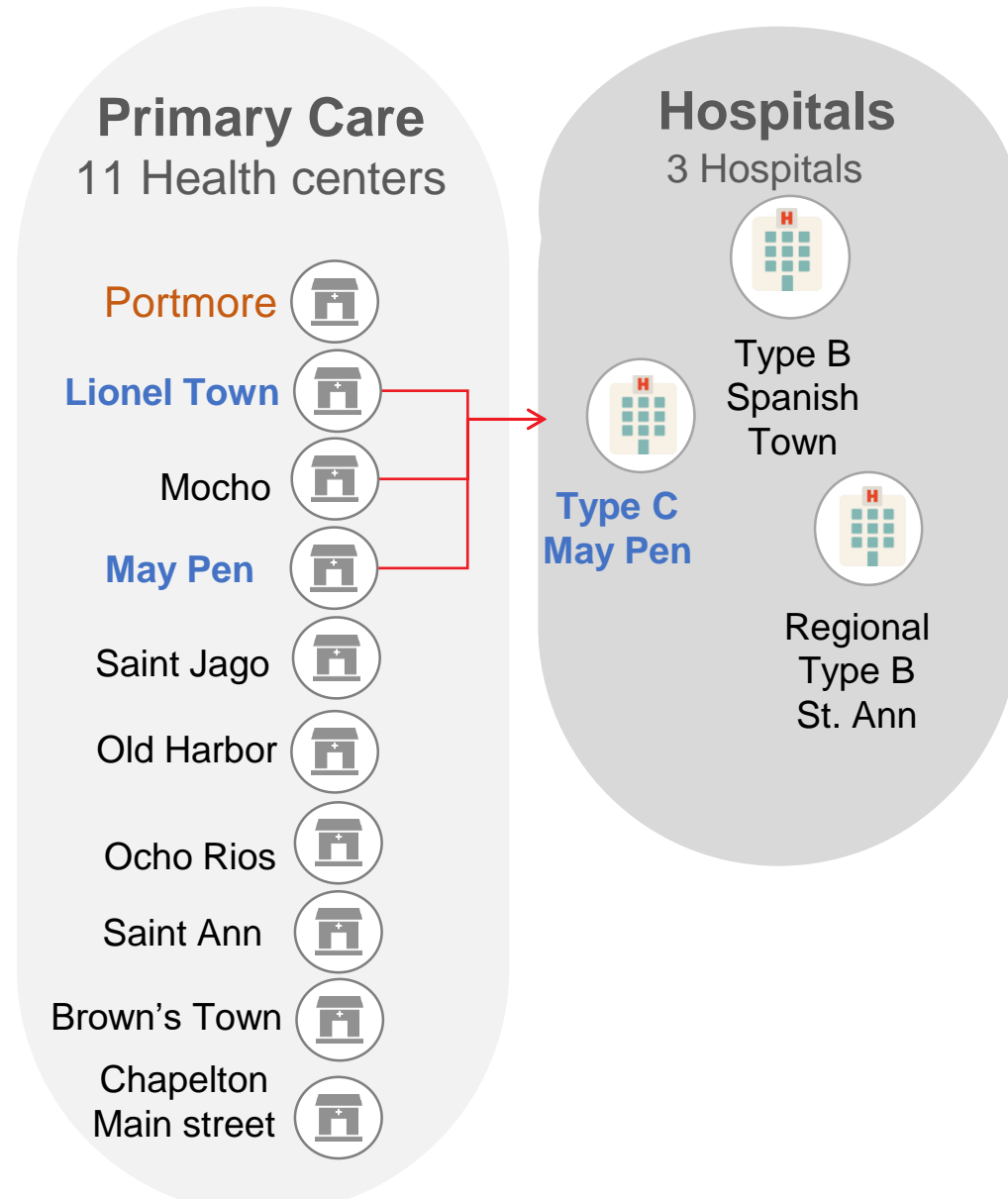
Patient App



Tele Consult

Change
Management

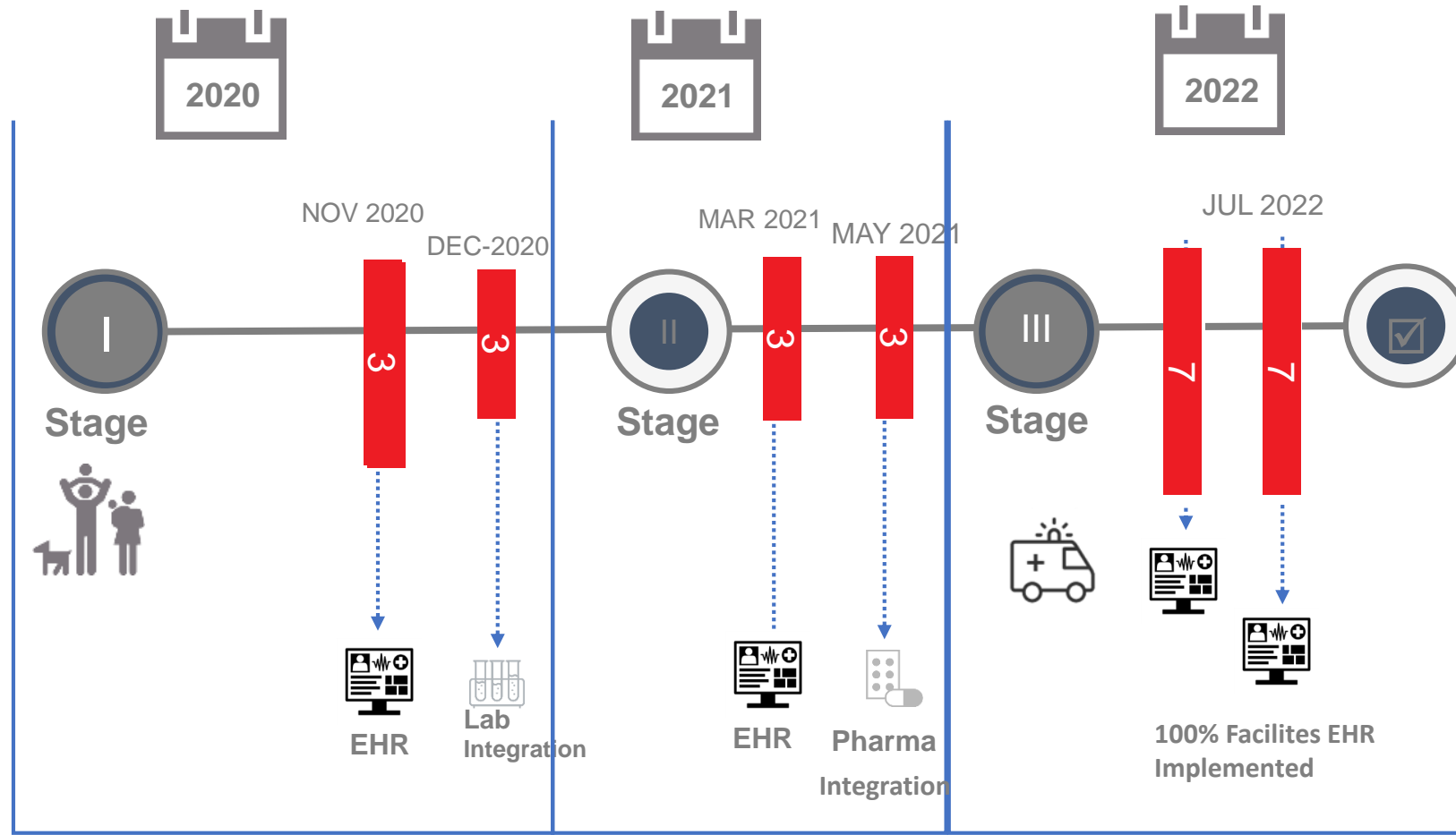
Proposed Facilities for EHR Q2 2020





EHR/NCD's Timeline

Develop prototype, **test in 3 facilities 2020**



Identified Challenges in NCDs prevention and disease management in Jamaica

Visit to 13 Health facilities, June 2019



**Paper based
Health Records**



**Lack of
coordination
between primary
care and specialist**



**Complex
appointment
Scheduling
process**

**Data integration
issues due to the
nonexistence of
unique patient
IDs**



**More Clinic than
Person-centered
health care**



**Reactive system
Weak follow up of
patients with
NCD's**



Identified Challenges in NCDs prevention and disease management in Jamaica

Visit to 13 Health facilities, June 2019



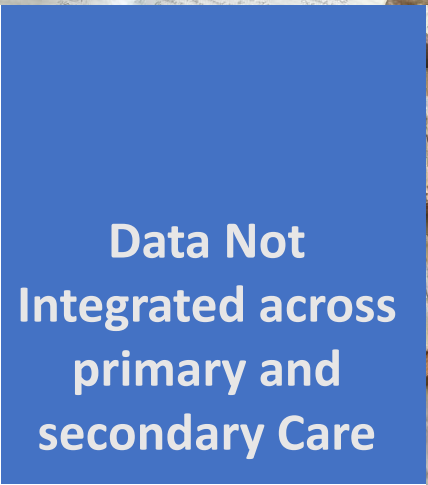
Lack of clarity of patient flow



Laboratory systems not integrated to Health Records



Patient data protection



Data Not Integrated across primary and secondary Care



Matrix for comparing workload across facilities



Multiple registries large books with diabetes, hypertension and cervical cancer reports



