B.C. Digital Health Initiative

Where are we now and where are we going?

February 2020
Digital Health Transformation Imperative

Why British Columbia is undergoing transformation of health care delivery towards better health outcomes.

**Siloed**
Critical health information locked in systems or on paper. Making it difficult for care givers to provide coordinated end-to-end patient care across care continuum.

**Misfocused**
Health system remains largely focused on hospital and not remaining independent practices.

**$23 Billion**
A year is spent on health care in BC, nearly 40% of direct provincial spend; these rising costs are not sustainable.

**Disconnected**
Patient services are too often fragmented, untimely, and inefficient.

**Disparate efforts**
Lack of coordination across health system to invest in improvements is further fragmenting efforts towards an integrated system of care.

**20%**
Of BC residents over the age of 20 are living with two or more chronic conditions.

**19%**
Of the population today is age 65 or older—over the next 20 years, the number of seniors will nearly double.
The majority of Canadians see multiple care providers in addition to their regular doctor/place of care to support their health care needs.

The top four e-services in demand by Canadians include:
- Renewing prescriptions
- Viewing their health records
- Confirmation of specialist referrals and notification of confirmed specialist appointments
- Online booking of appointments

Availability of digitally-enabled health services (e-services) is not meeting the demand of Canadians.

Canadians with access to digitally-enabled health services report improved:
- Convenience
- Self-management
- Timeliness of care
- Communication
- Ability to work in partnership with their care providers

There is a growing trend for smartphone use when accessing digital health e-services.

Canadians accessing their medical records online the past year has doubled.

(7% - 15%)
Digital Innovation is Transforming Health Care

Disruptive yet vital role in tackling issues of sustainable, scalable and automated services to meet increasing demand.

Three biggest disruptions:

- Explosion of consumer-centric health care to empower patients.
- Digital access to health care which eliminates geographic barriers.
- Advancements like precision medicine, artificial intelligence and analytics pivots health care to “wellness, prevention and self-management”.
Our sector is shifting towards emphasis on team-based care

As our priorities shift, we will need to break down traditional silos

- Community Specialist
- Nurse Practitioner
- Facility-Based Care
- Allied Health
- Pharmacists
- General Practitioners
How do we get there?

Introduction to the Digital Health Initiative
Optimal health and wellness for every British Columbian

Co-create an integrated and sustainable health care system that delivers improved health outcomes and embraces a culture of innovation, trust and partnerships

Five Strategic Pillars to Digitally Enable Health Transformation

1. Empower Patients
2. Transform Primary, Specialist & Community Care
3. Transform Hospital Based Care
4. Advance Analytics Capabilities
5. Enhance Foundational Clinical Systems

Digital Health Foundation
- Infrastructure
- Policy and Standards
- Privacy and Security
- Identity Management
- Architecture

Digital Health Transformation Principles
- Patient Experience
- Provider Experience
- Learning & Insight
- Accessible & Appropriate
- Cost-Efficient & Sustainable
- Supports Population Health Outcomes
- Privacy & Security
DHI Year 1 high-level priorities

Year 1 focuses on creating an impact on patient empowerment and primary & community care, while also establishing a strong governance, policy, and technical foundation for the delivery of digital health in BC.

**Portfolio 1: Empower Patients**
- Health Gateway Minimum Viable Product (MVP)
- Patient Access Strategy & Roadmap
- Virtual Care Policy Framework
- 1-2 Virtual Health Pilots
- Optimization of home health monitoring
- Mental Health & Substance Use Virtual Pilot

**Portfolio 2: Transform Primary, Specialist & Community Care**
- PCN IMIT Enablement Planning
- Activation of Priority Capabilities
- Innovation Acceleration Centres (IACs)
- Provincial Digital Solutions Toolkit
- Provincial EMR Vendor Management Strategy

**Portfolio 3: Transform Hospital-Based Care**
- Various, in collaboration between Health Authorities and PHSA

**Portfolio 4: Advance Analytics Capabilities**
- Data quality improvement
- Health Data Platform
- Reporting Portal
- Health System Performance Mgmt Framework
- Data governance framework for Indigenous People’s data
- Advancement from Descriptive to Predictive Analytics

**Portfolio 5: Enhance Foundational Clinical Systems**
- End-to-end Pharmaceutical Business Strategy
- PharmaNet Roadmap and Priorities

**Digital Health Foundation**
- Reference Architecture
- Enterprise IDAM Strategy and Roadmap
- Expansion of Priority Capabilities (CDX and CareConnect) and Evaluation of Provincial Scalability
- Provincial privacy & security standards & policy
Questions?