# Classification of Digital Health Interventions

A shared language to describe the uses of digital technology for health

## 1.0 Clients

### 1.1 Targeted Client Communication
- Transmit health event alerts to specific population group(s)
- Transmit targeted health information to client based on health status or demographics
- Transmit targeted alerts and reminders to clients
- Transmit diagnostics result, or availability of result, to clients

### 1.2 Untargeted Client Communication
- Transmit targeted health information to an undefined population
- Transmit untargeted health events to undefined group

### 1.3 Client to Client Communication
- Peer group for clients

### 1.4 Personal Health Tracking
- Access by client to own medical records
- Self-monitoring of health or diagnostic data by client
- Active data capture/ documentation by client

### 1.5 Citizen Based Reporting
- Reporting of health-system feedback by clients
- Reporting of public health events by client

### 1.6 On-Demand Information Services to Clients
- Client look-up of health information

### 1.7 Client Financial Transactions
- Transmit or manage out of pocket payments by client
- Transmit or manage vouchers to client for health services
- Transmit or manage incentives to clients for health services

## 2.0 Healthcare Providers

### 2.1 Client Identification and Registration
- Verify client unique identity
- Enroll client for health services/care plan

### 2.2 Client Health Records
- Longitudinal tracking of client's health status and services received
- Manage client's structured clinical records
- Manage client's unstructured clinical records
- Routine health indicator data collection and management

### 2.3 Healthcare Provider Decision Support
- Provide prompts and alerts based according to protocol
- Provide checklist according to protocol
- Screen clients by risk or other health status

### 2.4 Telemedicine
- Schedule healthcare provider's activities

### 2.5 Healthcare Provider Communication
- Communication from healthcare provider to supervisor
- Communication and perform feedback to healthcare provider
- Transmit routine news and workflow notifications to healthcare provider
- Transmit non-routine health event alerts to healthcare providers
- Peer group for healthcare providers

### 2.6 Referral Coordination
- Coordinate emergency response and transport
- Manage referrals between points of service within health sector
- Manage referrals between health and other sectors

### 2.7 Health Worker Activity Planning and Scheduling
- Identify clients in need of services
- Schedule healthcare provider's activities

### 2.8 Healthcare Provider Training
- Provide training content to healthcare provider(s)
- Assess capacity of healthcare provider

### 2.9 Prescription and Medication Management
- Transmit or track prescription orders
- Track client’s medication consumption
- Report adverse drug effects

### 3.0 Health System Managers

#### 3.1 Human Resource Management
- List health workforce cadre and related identification information
- Manage certification/ registration of healthcare provider(s)
- Record training credentials of healthcare provider(s)

#### 3.2 Supply Chain Management
- Manage inventory and distribution of health commodities
- Monitor cold-chain sensitive commodities
- Register licensed drugs and health commodities
- Manage procurement of commodities
- Report counterfeit or substandard drugs by clients

#### 3.3 Public Health Event Notification
- Notification of public health events from point of diagnosis

#### 3.4 Civil Registration and Vital Statistics
- Notify birth event
- Register birth event
- Certify birth event
- Notify death event
- Register death event
- Certify death event

#### 3.5 Health Financing
- Register and verify client insurance membership
- Track insurance billing and claims submission
- Track and manage insurance reimbursement
- Transmit routine payment to healthcare provider(s)
- Transmit or manage incentives to healthcare provider(s)
- Manage budget and expenditures

#### 3.6 Equipment and Asset Management
- Monitor status of health equipment
- Track regulation and licensing of medical equipment

#### 3.7 Facility Management
- List health facilities and related information
- Assess health facilities

#### 3.8 Data Services

### 4.0 Data Services

#### 4.1 Data Collection, Management, and Use
- Non routine data collection and management
- Data storage and aggregation
- Data synthesis and visualization
- Automated analysis of data to generate new information or predictions on future events

#### 4.2 Data Coding
- Parse unstructured data into structured data
- Merge, de-duplicate, and run data coded datasets or terminologies
- Classify disease codes

#### 4.3 Location Mapping
- Map location of health facilities/structures
- Map location of health events
- Map location of clients and households
- Map location of healthcare provider(s)

#### 4.4 Data Exchange and Interoperability
- Data exchange across systems