

INFORMATION SYSTEMS FOR HEALTH (IS4H)

Universal health coverage and universal access to health

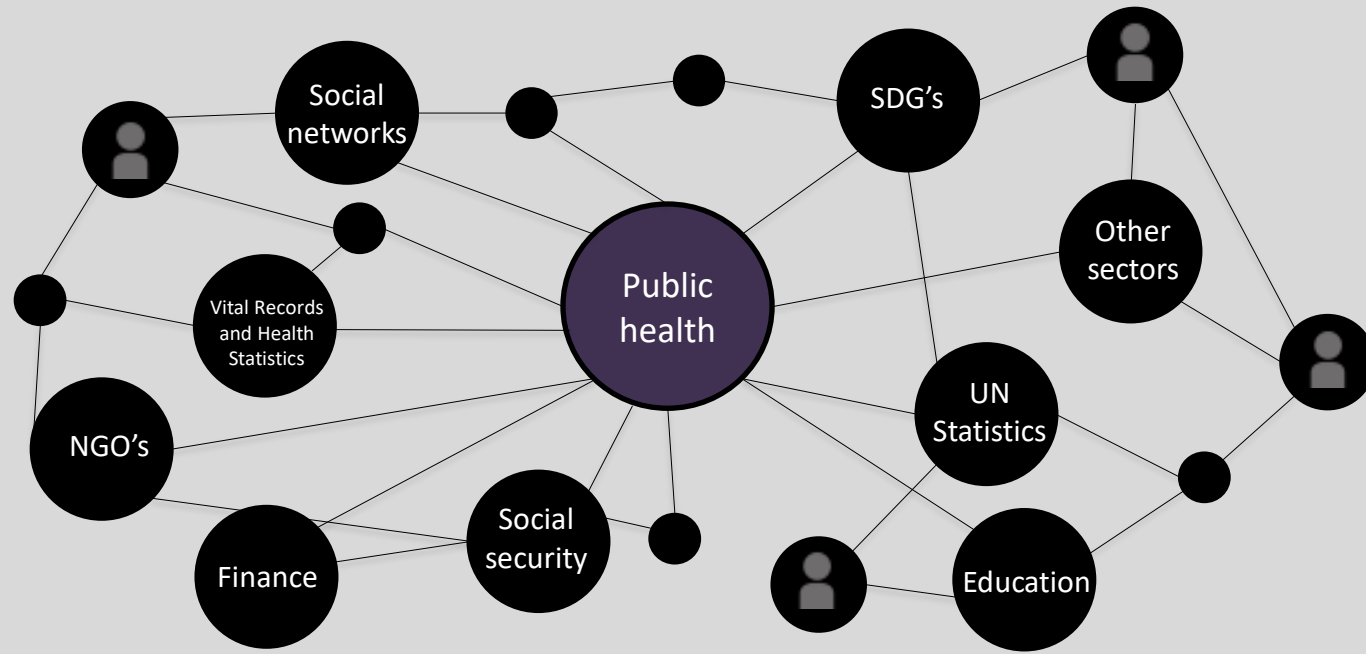
Vision

Universal access to health and universal health coverage is strengthened in the region through the implementation of interconnected and interoperable health-related systems that assure effective and efficient access to quality data, strategic information, and ICT tools for informed decision-making and well-being.

Guiding principles

1. Universal access to health
2. Universal health coverage
3. Health in all policies
4. Policy making & Informed decisions
5. Statistical & digital literacy
6. Integration-based systems
7. Quality-based data
8. Cross cutting approach
9. Intergovernmental
10. Universal access to information
11. Documented process and systems
12. Innovation and research
13. Open government data
14. Agile data management

Network of interconnected and interoperable health related systems



Goal

To implement a better decision and policy making mechanism through health systems that ensure universal, free and timely access to data and strategic information using the most cost-effective ICT tools

Principles of open government data

1. Complete
2. Primary
3. Timely
4. Accessible
5. Machine processable
6. Non-discriminatory
7. Non-proprietary
8. License-free
9. Trusted
10. On-line & free
11. Documented
12. Permanent
13. Safe to open
14. Designed with Public Input
15. A Presumption of Openness

Components

Environment

Structure

Mechanisms

Guiding principles

Information Systems for Health: A mechanism for managing interoperable systems with open data that comes from different sources and that is ethically used, through effective ICT tools, to generate strategic information for the benefit of public health



eGovernment

Open and Big Data

- . Software
- . Hardware
- . Internet
- . Telecommunications

- . Open data sets
- . Technical reports
- . Publications
- . Visualizations

- . Privacy
- . Secondary data use
- . Mandatory data reporting, etc

- ### Unstructured data
- . Social networks
 - . Media
 - . Grey literature
 - . Blog posts
 - . Videos
 - . Podcasts
 - . Online forums
 - . Others

- ### Structured data
- . Disease surveillance
 - . Health systems data sources
 - . Electronic health records
 - . Vital statistics
 - . Demographic data
 - . Mortality & Morbidity Data
 - . Health data sets
 - . Health indicators
 - . Health technologies
 - . Maps & GIS data sets
 - . Directory of institutions
 - . CV's of experts
 - . Scientific & tech. information
 - . PH Taxonomies
 - . Learning objects
 - . Other

- . Open data
- . Open access
- . Open source
- . Open standards
- . Open education
- . Open science
- . Open knowledge
- . Open maps
- . Open society
- . Open cities

- . Strategic networks
- . Knowledge networks
- . Thematic networks
- . Social networks

- . Big data
- . eGovernment
- . Open government data
- . Data governance
- . Interoperability
- . Open government
- . Health data directory
- . Metadata
- . Data dictionary
- . Taxonomy
- . Glossary
- . unstructured data
- . text mining
- . Social networks
- . eHealth
- . mHealth
- . Openness

Health in all policies