E-Health in Albania

25 October 2016

HEALTH CARE SYSTEM

HEALTH CARE IS PROVIDED BY AN INTEGRATED HEALTH SERVICE SYSTEM AND APPLY THE REFERRAL SYSTEM
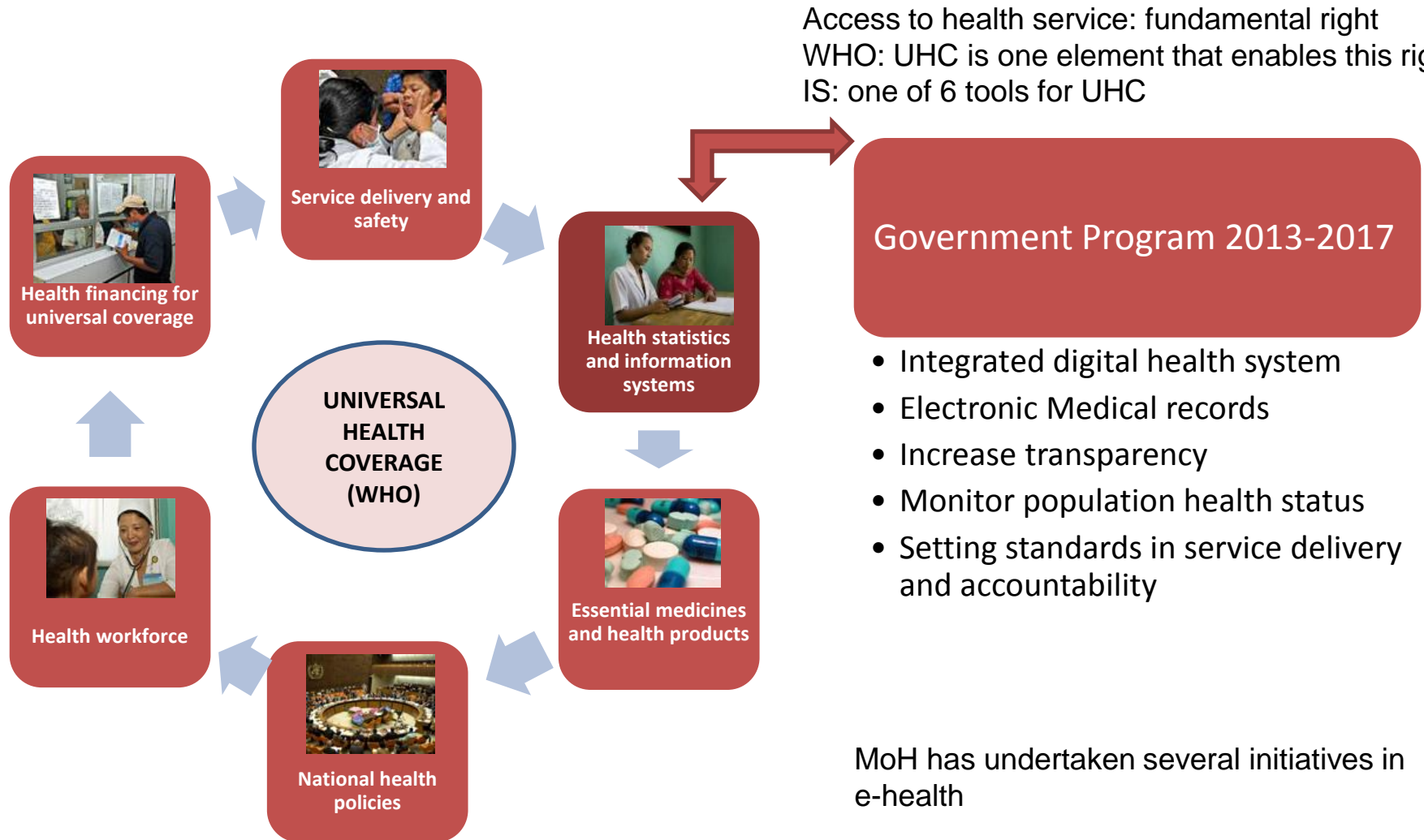
PRIMARY HEALTH CARE IS PROVIDED THROUGH A NETWORK OF HEALTH PROFESSIONALS AND INSTITUTUTIONS BASED ON THE PRINCIPLES OF FAMILY HEALTH CARE

HOSPITAL CARE IS OFFERED TO THE CITIZENS IN NEED OF DIAGNOSIS, AND/OR ADVANCED TREATMENT IN HOSPITAL IN ACCORDANCE WITH THE REFERRAL SYSTEM

UNIVERSAL HEALTH COVERAGE AND HEALTH INFORMATION

Access to health service: fundamental right
WHO: UHC is one element that enables this right
IS: one of 6 tools for UHC

Service delivery and safety

Health financing for universal coverage

Health statistics and information systems

UNIVERSAL HEALTH COVERAGE (WHO)

Health workforce

Essential medicines and health products

National health policies

Government Program 2013-2017

- Integrated digital health system
- Electronic Medical records
- Increase transparency
- Monitor population health status
- Setting standards in service delivery and accountability

MoH has undertaken several initiatives in e-health

E-HEALTH

USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES FOR HEALTH (WHO)

EVOLUTION OF PERCEPTION, WAY OF THINKING, BEHAVIOUR, ENGAGEMENT ON THE USE OF ICT TO IMPROVE HEALTH SERVICE

IMPROVE HEALTH SERVICE DELIVERY

-IMPROVED ACCESS TO THE SYSTEM, HEALTH CARD

-NATIONWIDE ELECTRONIC HEALTH RECORDS

-E-PRESCRIPTION

-HOSPITAL MANAGEMENT INFORMATION SYSTEM

-E-SIGNATURE

-E-EXAMINATION

EFFECTIVE ADMINISTRATION OF OF HUMAN AND FINANCIAL RESOURCES

-ADMINISTRATION OF MEDICAL DRUGS REGISTRATION SYSTEM

-MANAGEMENT OF HUMAN RESOURCE AND MEDICAL ASSETS SYSTEM

-HEALTH SITUATION MONITORING SYSTEM (Business Intelligence)

Identification of insured patients

- Started in January 2015
- Creates the electronic database of insured patients
- February 2016: Apply and generate online the health card. 16 thousands health cards generated online through e-Albania portal.
- Online interaction with other IT systems: Civil Register, pension, social assistance, labor offices, tax register.
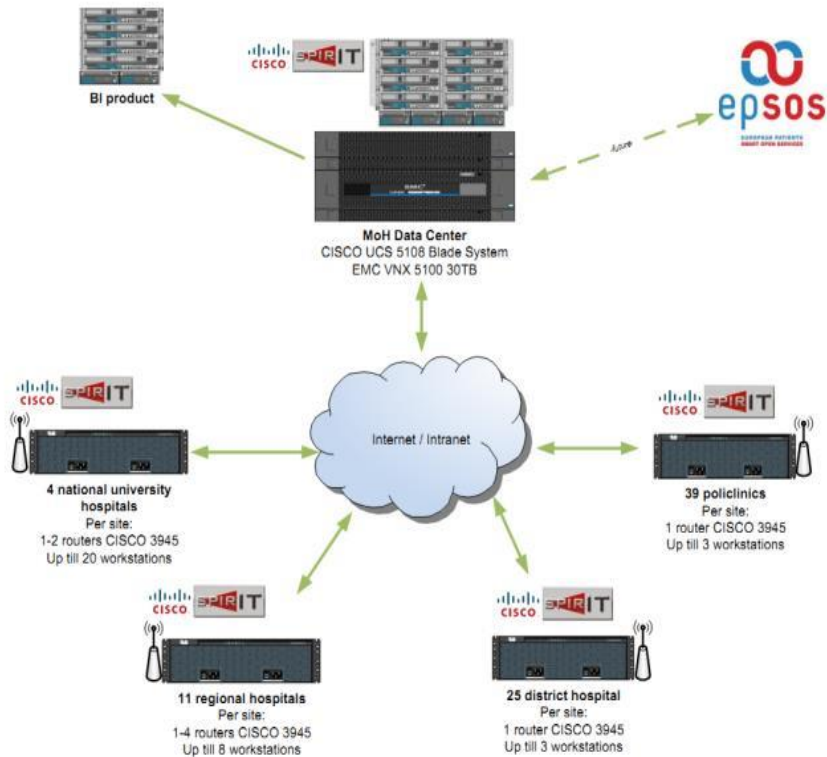- 1.190.315 Health Cards Active.

Improves the service

- Citizens benefits:Eliminates many documents needed before the health card.
- Citizens benefits:Reduce commute from one office to another and reduce the service time
- Citizens benefits: Free of charge
- Doctors benefit: Reduce time in paper work. Increase time to dedicate to patient.
- Health card validity is checked online by the doctor

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Albania EHR Solution

NATIONWIDE EHR

- Implemented in 79 health institutions within November 2016
- Federated Architecture
- High level of security for health data
- Easy to use and scalable
- Flexible to integrate with other systems
- IHE HL7 Standard
- Online-Offline mode
- Patient medical history online accessible through government portal

IMPROVES THE SERVICE

- Efficient management of admissions and other services provided by the Health Care Institutions.
- It provides communication between health care institutions for access to clinical data of patients
- Clinical documents are according to EU standards

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e-Prescription in Durres

- Implemented in November 2015
- 75 pharmacies
- 129 doctors
- 18 Health Care Centers

- November 2015-October 2016
- Generated prescriptions -> 174 285
- Executed/dispenced prescriptions -> 171 684
- Patients that received prescriptions -> 18 249

Nationwide E-Prescription

- Contract Signed: November 2015
- Nationwide implementation
- Signed through e-signature

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Interacts with other IT systems

- Civil Register
- Health Card (The Fund)
- Drug Register (National Agency of Drug and Medical Equipments)
- etc

Improves the service

- Shorten the time of administrative procedures, increase time in the patient's medical service
- Doctor is assisted in medical decision making. (history of drug treatments is available).
- Ways of medical treatments serve for further studies to improve treatment protocols of different pathologies

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SI JE?

- Centralized information system of medical information regarding the visit of a patient ranging 40-65 years.

- Administration of the medical documentation of the visit :
    - Analysis
    - Interview
    - ECG
    - Tests results
- Activity monitoring (day, month or year based reports)
- Up to now: 501 722 files.
- Provides data for health professionals for health analysis studies and statistics.
- Citizens: Online information of data and checkup results through e-albania
- Secure access to the system from the service providers and all actors (HC, Labs, Fund and MoH).

Electronic Signature of medical documents

- **Aim:** Doctors and pharmacists will electronically sign medical documents (eg. electronic prescription)

- Implementation in collaboration with NAIS, FUND
- To be implemented within 2016

E-examination –Queue management system for advanced health examinations

- **Aim:** Citizens can book online through e-albania portal for an advanced examination with medical equipments.
- According to the referral system, location, disponibility of the medical equipments and medical staff.

- ~32 examinations:
- MRI
- CT
- Coronarography
- etc

- Implementation in collaboration with NAIS, Fund
- To be implemented within 2016

HUMAN RESOURCES MANAGEMENT SYSTEM
-DRUG REGISTRATION INFORMATION SYSTEM

SYSTEM FUNCTIONALITIES

- Online drug request registration
- Online access information for drug manufactures , distributors and importers. Online registration and authorization for import
- Registration and inventory of stamps serial numbers
- History of activity
- Drug register is available through Web Service for other systems. (E-precription)

ADMINISTRIM EFIKAS I BURIMEVE NJERËZORE DHE FINANCIARE -HUMAN RESOURCES MANAGEMENT SYSTEM

SYSTEM FUNCTIONALITIES

- Accessible from 80 institutions
- ~24 thousands employees registered
- Monitor employ file
- Payroll

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-IMPROVEMENT OF HEALTH CARE SERVICE DELIVERY

-HEALTH SITUTATION MONITORING SYSTEM (BUSINESS INTELIGENCE)

SYSTEM FUNCTIONALITIES

- Big volume of data! (1 600 000 records per month)
- Impossible to process information for decision making.

- *SOLUTION*
- BI Technology
- Integrated 6 IT systems from the FUND
- Integrated checkup system

- *RESULTS*
- Monitors the activity of Checkup
- Monitors the health situation
- Helps build health risk indicators of the population

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Set up:
National
Health
Information
System Center

HIS for
regional
hospitals

New payment
methods for
the hospitals

Improve IS in
the FUND.

Interoperability
within health
system and other
external systems

Other
activities

(trainings etc).

Main activities of the component

Thank you