

DigiHealth 3 National Health Systems

Wednesday, 25 April 2018, 14:00-15:30

Moderator:

Samuel Mills - World Bank Group

Speakers:

- Use of Civil Registration/Identity Management System in Achieving Universal Health Coverage (20 min)

Samuel Mills, *The World Bank*

- Management of National Health Insurance Schemes: the Nigeria Example (20 min)

Nasiru Ikharo, *National Health Insurance Scheme (NHIS), Nigeria*

- The Evolving Role of Digital Health Solutions in Enabling Population Health Management (20 min)

Siddharth Saha, *Frost & Sullivan*

- How the unique digital national ID delivers full engagement in the ehealth ecosystem - the Estonian experience (20 min)

Piret Hirv, *Tallinn Science Park Tehnopol, Estonia*

Use of Civil Registration/Identity Management System in Achieving Universal Health Coverage

*Session: DigiHealth 3 National Systems
ID4Africa 2018 Conference, Abuja*



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Samuel Mills, MD DrPH
April 25, 2018

Universal Health Coverage

SDG Target 3.8 –

- **Achieve universal health coverage, including financial risk protection, access to quality essential health-care services and access to safe, effective, quality and affordable essential medicines and vaccines for all**

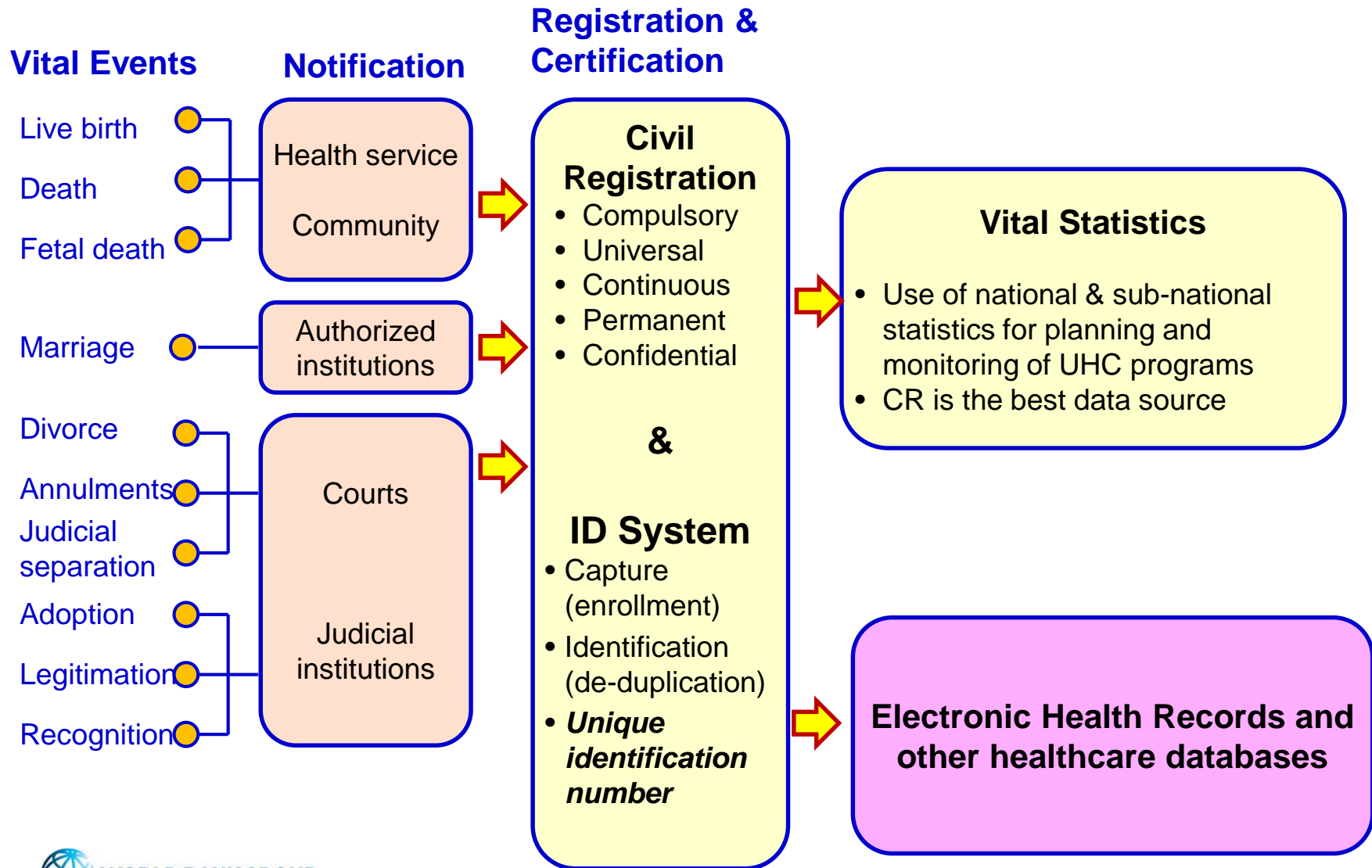
But –

- **Countries cannot implement effective and efficient UHC programs without knowing how to accurately identify the poor to target them with essential and quality health services**
- **UHC progress cannot be adequately monitored without disaggregated data**

Civil Registration linked to Identification Systems facilitates the implementation and monitoring of UHC programs



Civil Registration & Identifications Systems



WBG commissioned CRVS/ID/UHC studies

Country Examples

- a. **Colombia**
- b. **Gabon**
- c. **Slovenia**
- d. **South Korea**
- e. **Thailand**

Slovenia

- ❖ Electronic birth registration with UIN assigned a birth
- ❖ Subsequently separate unique health insurance number is generated
- ❖ UIN allows the linkage of various registers and databases including healthcare
- ❖ Link to the civil register allows deceased to be identified and provision of health care and other services and payments to be discontinued

Slovenia

Benefits

- **ePrescription** - doctors prescribe medications and transmit electronically to pharmacy
 - improves patient safety and eliminates errors due to bad handwriting and
 - information on the patient's prescriptions are available for subsequent visits
- **eReferral and eAppointment** – allows patient referral and appointment from primary to secondary & tertiary healthcare levels
- **eHealth record** - allows comprehensive and continuous treatment of patients
- **Online portal for patients** to securely access their records and make appointments
- **Electronic claims/bills processing** and financial managements system improves efficiency

Slovenia

Benefits

- **Preventive care** eg colorectal cancer screening – information in database is used to identify those due for colonoscopy screening
- **Analysis of the electronic data** provides information for the monitoring and the provision of health services, detection and prevention of fraud
- **Example of fraud that are prevented**
 - use of false documents for insurance registration
 - prescriptions of medications to persons without medical indications or larger than expected doses, abnormal combination of drugs etc
 - suspicious billing (repeated for similar services in a short period, services not appropriate for age or sex, services that are illogical in relation to the gender or age of the person, etc)

South Korea

- ❖ Resident registration (RR) number is issued at birth
- ❖ RR number provides access to benefits through national health insurance system
- ❖ No separate health insurance card but the RR card is required at the point of care
- ❖ Large hospitals generate patient number but the RR number is entered in the electronic health record for the health insurance claim

South Korea

Benefits

- RR numbers are used for **enrollment and management of disease prevention and health promotion programs**
 - All vaccination records are integrated and managed using the RR number
 - Unvaccinated children are easily identified
 - Prevents double vaccination
 - Recipients can check and manage their own vaccination history
 - RR numbers are used to select undernourished children for meal aid programs
 - RR numbers are used for the Nutri Plus Program - a nutritional support management program for infants and pregnant women

South Korea

Benefits

- Service providers use RR numbers for:
 - enrollment & treatment of patients
 - enrollment & management of infectious and chronic diseases
 - enrollment & management of the poor for the Medical Care Assistance program
- Patients can use RR numbers to access the medical record sharing portal
- The 2017 Enforcement Decree of the Medical Act required standardization of the electronic health records to facilitate referral and sharing of information across hospitals
- Electronic claims reimbursement processing

Thailand

- ❖ Unique personal identification numbers are issued along with birth certificates
- ❖ UIN is used to identify and verify Thai citizenship & enrollment into insurance schemes
- ❖ This requirement helped to increase demand for birth registration
- ❖ Each hospital's healthcare information system creates its own patient identification number

Thailand

Benefits

- Healthcare providers and insurers use encrypted UINs to:
 - identify and enroll individuals for healthcare service provision
 - track delivery of services
 - claims reimbursement and detect claims duplication
 - enable electronic healthcare services data exchange between payers and providers & among providers for continuity of care

Key Messages - CRVS/ID & UHC

- ❖ Health sector contributes to and benefits from CRVS
 - Facilitate birth & death notification and registration
 - Medical certification of cause of death
 - Disaggregated data from CRVS for planning and monitoring of health programs at national and district levels
 - Unique identifier contributes to effective and efficient UHC programs



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Thank you

Questions & Comments

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