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National eHealth Initiatives in South America: Global Health Information Technology Standards serving Local Needs

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República Oriental de URUGUAY

- Population: 3.334.052 inhabitants (2006)
- Surface: 176.215 km²
- Infant Mortality Rate: 9,53 per 1000 newborn (2009)
- Health expenditure: 8,96 % (percentage from GDP)





Health Care System Reform – Since 2005

Integrated National Health Care System

Purpose

Achieve universal coverage and accessibility for health care, with homogeneous quality of care, with distributive justice in terms of health care expenditure for each citizen



Health Care System Reform – Since 2005

Integrated National Health Care System

Changes in

Health Care Model

Management Model

Reimbursing providers Model



Health Information System

Main points

- Working together with HL7 Uruguay in implementing the Identification standard for the population covered in the health care system

Both providers: public and private.

There is a central repository at the MoH with all the citizens with the identification of the Health Care provider



Health Information System

Main points

- **Developing the electronic birth certificate and the electronic death certificate in the whole country.**

There are approximately 50.000 newborns by year.

**There are computers at the point of care (all the maternities).
The physician register on real time the data of the mother and the new born.**

**The application connects with the National Identification Direction through SOA technology, to obtain the unique identification number for the new born, and
Validate the mother identification through her finger print.**





Health Information System

Main points

- **OIDs were defined for every health care service (root: 2.16.858.)**

HL7 OID for objects.

The Electronic Government Agency is the responsible for assigning the OID. Then we would be able to use CDA in a country context



Health Information System

Main points

- Receiving financial, performance, production and quality indicators from the Health Care Providers through web services.

The information is going to be used in the Management Information System in the corporative DW which is being implemented.



Health Information System

- **Always keeping in mind that health information systems must allow to use information for action to improve health care service delivery and for improving the quality of life of the population**