

PFARRKIRCHEN, GERMANY

DIGIHEALTHDAY-2021

GLOBAL DIGITAL HEALTH – TODAY, TOMORROW, AND BEYOND

12
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DigiHealthDay™

EFMI Session

November 12, Friday, 2021, 11:15-13:00 (CET)

The management of semantic and terminology infrastructure plays a key role for an effective health information system (HIS)

Speakers: Roberta Gazzarata, Mauro Giacomini

ABSTRACT

These issues have been addressed to great extent in the HIS of a north-east Italian region, which has about 5 million inhabitants. A research project is being carried out that has resulted in a product which is about to be used in daily routine. The system has been developed according to the recommendation by HL7 Common Terminology Service (CTS2) and its main part is a relational database. During the stress tests that have been carried out in the last few months, the region and the vendor decided to adopt FHIR message for the connections among the HIS and its consumer applications, in order to improve the speed performance of the system. Moreover, both partners of the project are evaluating the considering to switch from the relational database to a No-SQL database, in order to further improve performances.