



M4.1- Technical Report on eHealth interoperability platforms

MESTRa

MESTRa - Technical Report on eHealth interoperability platforms'
assessment in the scope of MESTRa project

28 DE JUNHO DE 2014

MESTRA_M4-1_EHEALTH_INTEROPERABILIRY_PLATFORMS_STANDARDS

Technical Sheet

DOCUMENT: MESTRa_M4-
1_eHealth_Interoperability_Platforms_Standards

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1. eHealth Standards and Platforms

In the scope of MESTRa project, research on relevant eHealth standards and platforms has been carried out. The following table summarizes the standards and platforms addressed.

Table 1 – List of eHealth standards and interoperability platforms

Standards	Platforms
<p>HL7</p> <ul style="list-style-type: none"> • HL7 CDA R2 <ul style="list-style-type: none"> ◦ HL7 CDA - Implementation Guides • HL7 FHIR • HL7 Implementation <p>OPENEHR</p> <ul style="list-style-type: none"> • OpenEHR <p>DICOM</p> <ul style="list-style-type: none"> • DICOM data elements • DICOM File Structure • DICOM SR <p>IHE</p> <ul style="list-style-type: none"> • IHE ATNA: Audit Trail and Node Authentication • IHE BPPC: Basic Patient Privacy Consents • IHE CMPD: Community Medication Prescription and Dispense Integration • IHE CT: Consistent Time • IHE DIS: Pharmacy Dispense Document • IHE MRRT - Management of Radiology Report Templates • IHE PDQ: Patient Demographics Query • IHE PIX: Patient Identifier Cross Referencing • IHE PRE: Pharmacy Prescription Document • IHE RID - Retrieve Information for Display • IHE RWF: Reporting Workflow • IHE SWF: Scheduled Workflow • IHE XD-LAB: Sharing Laboratory Reports • IHE XDS - Cross-Enterprise Document Sharing • IHE XDS-I.b - Cross-enterprise Document Sharing for Imaging • IHE XDS-SD - Cross-enterprise Sharing of Scanned Documents • IHE XPHR: Exchange of Personal Health Record Content • IHE XUA: Cross-Enterprise User Assertion Profile 	<p>DCM4CHEE</p> <ul style="list-style-type: none"> • DCM4CHEE <p>HAPI-FHIR</p> <ul style="list-style-type: none"> • HAPI-FHIR <p>OPENEMPI</p> <ul style="list-style-type: none"> • OpenEMPI <p>OPEN HEALTH TOOLS</p> <ul style="list-style-type: none"> • Open Health Tools <ul style="list-style-type: none"> ◦ IHE Profiles ◦ OpenExchange <ul style="list-style-type: none"> ▪ OpenPIX/PDQ ▪ OpenXDS

Standards	Platforms
<p>TERMINOLOGIES</p> <ul style="list-style-type: none"> • ATC - WHO • CTS/CTS2: Common Terminology Service • EDQM • ICD-9 • ICD-10 • LOINC • RadLex • SNOMED-CT • UCUM 	
<p>OTHERS</p> <ul style="list-style-type: none"> • RSNA radiology reporting initiative 	