

IHE[®]
EUROPE

EXPERIENCE
SESSIONS
15-17 JUNE 2021



Projectathons in France



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ANS - Agence du Numérique en Santé

<https://esante.gouv.fr/interoperabilite>

- Created in 2009, ANS has the responsibility of promoting the development of shared information systems and digital technologies in the health field
- ANS contributes to the reinforcement of the efficiency of health policies and to the improvement of coordination, efficiency and quality of care.
- ANS is member of IHE int., HL7 int. and IHE France
- It holds a wide portfolio of projects organised around 3 missions

MISSION 1
REGULATE

Create a framework for e-health development

- **Enable interoperability of healthcare IT systems**
- Securitisation of healthcare IT systems (PGSSI-S, health data hosting, ...)
- Patients identification; healthcare actors identification (RPPS and directory)
- Authentication of healthcare actors (CPS personal cards, IGC Santé certificates)
-

MISSION 2
BUILD

Lead national e-health projects

- Secured e-mail system for healthcare data exchange (MSSanté)
- Implementation of an IT system for emergency units (SI SAMU)
- Adverse events reporting portal ; poison control centers' IT systems
- Support on simplifying patient's hospital pathway
- Website for public health information service (SPIS)
- ...

MISSION 3
SUPPORT

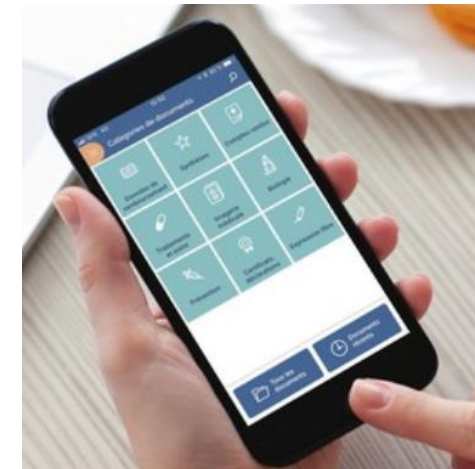
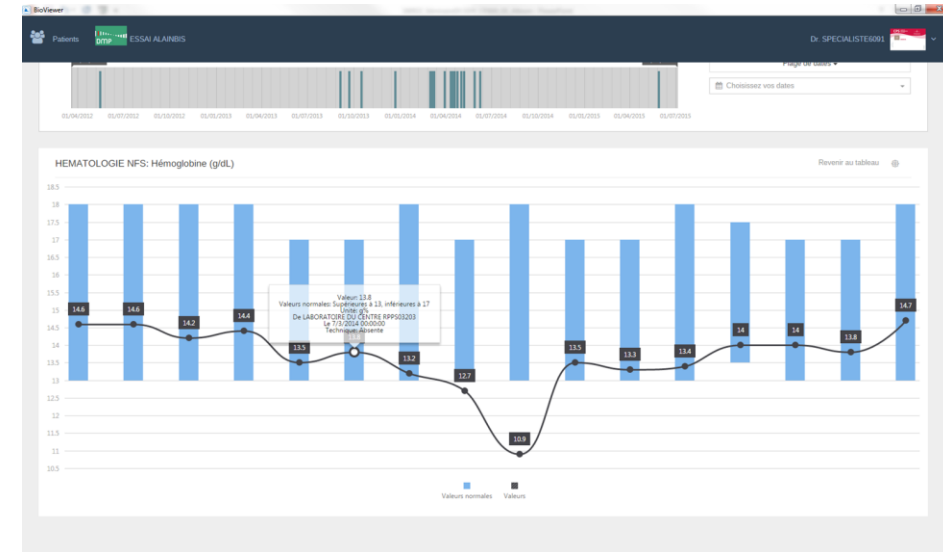
Speed-up e-health usage by promoting innovation

- Support to regional health agencies and regional branches deploying e-health (ARS/GRADeS) and to interregional e-health cooperation
- Support to hospitals network in convergence of their IT systems
- Expertise contributions to care givers coordination IT , Telehealth,....
- Monitoring/support in decree implementation (structuration of biology analysis results)
- ...

- <https://esante.gouv.fr/interoperabilite/ci-sis>
- First version in 2009
- Based on IHE profiles, HL7 and DICOM standards
- Involved in IHE (ITI, PCC), monitors for the NA and EU Connectathons
- Initially, focused on two national projects:
 - DMP
 - MSSanté



- DMP - <https://mssante.fr>
 - National XDS repository of CDA documents
 - > 9.9 millions of DMP, > 180 Softwares, mobile application, web portal
- MSSanté - <https://mssante.fr>
 - Secured e-mail system
 - Exchange of CDA document using IHE XDM
- Level 3 CDA documents
 - Biological report [IHE XD-LAB]
 - Breast cancer screening [IHE PCC]
 - Medical synthesis [IHE PCC]
 - Reimbursement data [IHE PCC]
 - Immunization content [IHE IC]
 - Anesthesia report [HL7 WG]
 - Future work (radiology, Europe ...)



- Testing sessions dedicated to specific projects using a set of IHE Profiles in their interoperability specifications
 - DMP
 - MSSanté
- Projectathons ANS
 - EU Connectathon – Rennes - April 2019
 - Biological report [IHE XD-LAB]
 - Communication diary [HL7 FHIR]
 - ANS vendors day – November 2019
 - Medical synthesis [IHE PCC]
 - ANS vendors day – November 2020
 - 8 interoperability profiles





- 23 vendors
- 8 interoperability profiles
 - Biological report [IHE XD-LAB]
 - Medical synthesis [IHE PCC]
 - Hospital discharge report [IHE PCC]
 - Emergency report [IHE PCC]
 - Immunization content [IHE IC]
 - Telehealth [IHE PCC]
 - Agenda [HL7 FHIR]
 - Communication diary [HL7 FHIR]
- 130 tests in Gazelle
- 12 monitors from ANS
- 5000 messages on a dedicated Slack

<https://esante.gouv.fr/actualites/les-industriels-toujours-plus-nombreux-aux-projectathons-de-lans>

<https://esante.gouv.fr/actualites/retour-sur-la-jni-live>

ArtDecor (CDA profiling) Simplifier (FHIR profiling)

Volet de Synthèse Médicale 2013 - Templates

Project Datasets Scenarios Terminology Templates Issues

Templates

Sous-section Facteurs de risque --

History (14)

Id 1.2.250.1.213.1.1.1.13.999.999.10.5 Effective Date 2019-10-10 11:01:14

Status Draft Version Label 1

Name SS-FACTEURS-RISQUE Display Name Sous-section Facteurs de risque

Description

Classification CDA Section Level Template

Open/Closed Open (other than defined elements are allowed)

Used by / Uses Used by 0 transactions and 1 template, Uses 3 templates

Item	DT	Card	Conf	Description	Label
▼ h7:section		1 ... 1	M	Sous-section requise Facteurs de risque	SS-F-SQUE
▶ h7:templateId	II	1 ... 1	M		SS-F-SQUE
h7:id	II	0 ... 1			SS-F-SQUE
▶ h7:code	CE	1 ... 1	M		SS-F-SQUE
h7:title	ST	0 ... 1	R	Facteurs de risque	SS-F-SQUE
h7:text	SD,TEXT	0 ... 1	R		SS-F-SQUE
▶ h7:component		0 ... 1		Sous-section optionnelle Sous-section habitus, mode de vie - 1.3.6.1.4.1.19376.1.5.3.1.3.16.1	SS-F-SQUE
▶ h7:component		0 ... 1		Sous-section optionnelle Facteurs de risque professionnels - 1.3.6.1.4.1.19376.1.5.3.1.1.5.3.1	SS-F-SQUE

<https://simplifier.net/ci-sis>

Gazelle interoperability testing tool (ANS, HL7 and IHE France)

Validation basée modèle Fiche d'évaluation

Document bien formé **REUSSI**

The document you have validated is supposed to be a well-formed document. The validator has checked if it is well-formed, results of this validation are gathered in this section.

The document is well-formed

Résultat de la validation avec le schema **REUSSI**

Your document has been validated with the appropriate schema, here is the detail of the validation outcome.

Le document est conforme au schéma

Résultat de la validation Gazelle Objects Checker **ECHOUÉ**

Résumé des vérifications 83 5028

Severity	Count	Test Location	Description
Erreurs	8	/ClinicalDocument/componentOf/encompassingEncounter/location/healthCareFacility	If healthCareFacility has not a null of flavor and its enclosing location has not a null of flavor, it SHALL have a location or a serviceProviderOrganization (RMIM-086)[Constraint...] [Assertion...]
Alertes	3		
Informations	0		
Inconnues	0		
Rapports	200	cdadt011	/ClinicalDocument/component/structuredBody/component[0]/section/component[0]/section/entry[0]/act/entryRelationship[0]/procedure/participant[0]/participantRole/id[0]
Cardinality	3		When root is UUID, the hexadecimal digits A-F SHALL be in upper case (CDADT-011)[Constraint...] [Assertion...]
Vocabularv	13		

<https://esante.gouv.fr/interoperabilite/espace-de-tests-dinteroperabilite>