

HL7 Belgium WG infrastructure & security

FHIR security Controls



Start date working document: 08.02.2023

How can FHIR support the access controls in the current and future Belgian eHealth ecosystem ?

There is a granular access matrix that is a translation of the law. There are currently discussions moving towards a paradigm shift (open all) but it might evolve in a different way.

[Current access matrix](#) (see here:

<https://www.ehealth.fgov.be/ehealthplatform/file/view/AXRTc4sldDaxruxu0EgK?filename=toegangsmatrix.xlsx>)

Document type	Admin Data	SUMEHR											medication scheme (L)	vaccination scheme (L)	pharmacovigilance
Profession															
Speciality/Subject	Name Address Contact info	Contact persons (non-therap.)	GMF-holder	Healthcare prof. treating the patient	Adverse drug reaction	Allergies	Social risks	Risks	Problems	Treatments	Patient will				
Consulting person															
Patient	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Physician (ALL)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Nurse	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Psychiatric nurse	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Practitioner nurse	X	X	X												
Midwife	X	X	X	X	X	X		X	X	X	X	X	X	X	
Pharmacist in office	X	X	X	X	X	X		X				X	X	X	
Pharmacist in hospital	X	X	X	X	X	X		X	X	X	X	X	X	X	
Pharmacist Clinical Biologist	X	X	X	X	X	X		X	X	X	X	X	X	X	
Dentist	X	X	X		X	X		X				X	X	X	
Physiotherapist	X	X	X	X	X	X									
Clinical Psychologist	X	X	X												
Clinical Orthopedagogist	X	X	X												
Pharmacist technical assistant	X	X	X												
Audiologist	X	X	X												
Audiologist	X	X	X												
Truss-maker	X	X	X												
Dietician	X	X	X												
Occupational therapist	X	X	X												
Lab technologist	X	X	X												
Laboratory	X	X	X												
Orthopedist	X	X	X												
Radiologist	X	X	X												
Dental Hygienist	X	X	X												
Imaging technologist	X	X	X												
Legend:	X	Can be consulted													
	X	Proposal for "X", pending approval													
	H	explicit mention of horizontal access for document types where no distinction is made according to profession/specialism													
		Valid for a group of profession													
Remarks:	The following documents are not included in the matrix: - note - product delivery - clinical summary For results/RX, access is proposed for physiotherapists At Vitalink, the Medication Scheme and the Vaccination Scheme are separate data categories, while at RSW & RSB/BGN, the Medication scheme and the Vaccination scheme are presented as one category. The presented access rules are the minimal set that is applicable at the 3 vaults. The SUMEHR categories have the following definition (taken from https://www.ehealth.fgov.be/standards/kmeh/en/transactions/su-mma-rised-electronic-healthcare-record):														
	Contact persons (non-therap.)	Persons related to the patient who do not intervene in the treatment or care of the patient, e.g. family, neighbor, etc.													
	GMF-holder	Physician who holds the Global Medical File (Fr: détenteur du Dossier Médical Global; NL: houder van het Globaal Medisch Dossier)													
	Healthcare prof. treating the patient	Healthcare professionals who intervene in the treatment or care of the patient													
	Adverse drug reaction	Risk relative to an adverse drug reaction, such as an intolerance or side-effect													
	Allergies	Risk relative to an allergy													
	Social risks	Social risk factors; a comprehensive list is formed by the ICPC-2 Social Problems (category Z) - https://ehealth.fgov.be/standards/kmeh/en/transactions/su-mma-rised-electronic-healthcare-record													
	Risks	Other risk factors, e.g. risk factor for cardiovascular disease													
	Problems	A current diagnosis, problem, complaint, symptom, etc. or a relevant medical antecedent													
	Treatments	A current treatment of a relevant therapeutic antecedent													
	Patient will	A therapeutic limitation expressed by the patient; possible values are listed at https://www.ehealth.fgov.be/standards/kmeh/en/transactions/su-mma-rised-electronic-healthcare-record													

Reglement

IVC beraadslaging

- o Reference: <https://www.ehealth.fgov.be/ehealthplatform/nl/reglementen>

DS4P: <https://build.fhir.org/ig/HL7/fhir-security-label-ds4p/>