



German FHIR® Specification of the Laboratory Report

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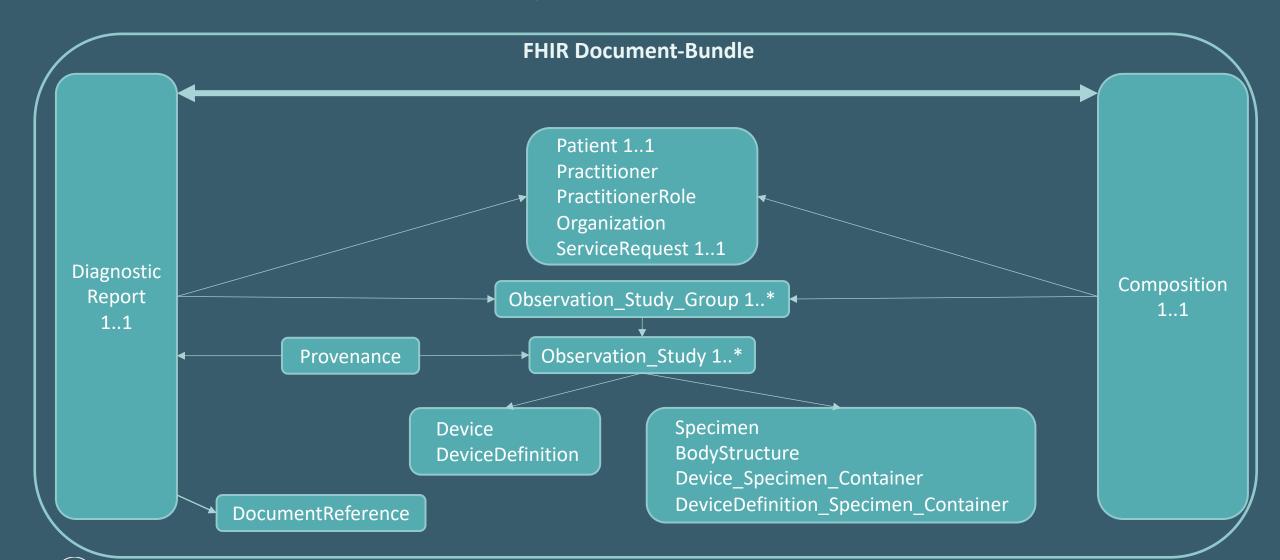
Background

- Multiple national projects tackle FHIR for laboratory data
- → Different scopes and use cases
- Harmonization kicked-off with national working group and currently ongoing
- We focus on laboratory reports in the German national patient record (ePA)
- Current scope: General laboratory reports, specialized results (e.g. microbiology) pending

"We" – mio42, sub-company of the National Association of Statutory Health Insurance Physicians



Resources in the FHIR® Specification



Participation in HL7 Europe Laboratory Report

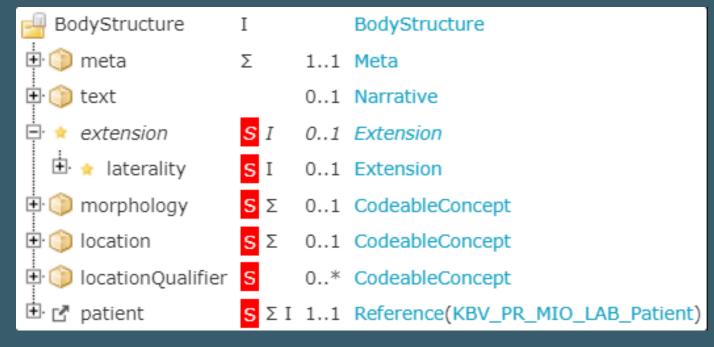
- Frequent participation in HL7 Europe Meetings
- Adopted European decisions & propose national solutions for discussion
- Ongoing compatibility check for national specification

eHN Guideline (Section Level) / .ogical Model	MIO Informationsmodell	FHIR Ressource	Vergleich HL7 EU IG
Laboratory report	Komposition Laborbefund	Composition	Kompatibel
Not mapped to IG:	Laborgesamtbefund	DiagnosticReport	
- Legal authenticator		(Bundle)	
 Result validator Document title Report custodian Confidentiality Version 		(Bundle Extension: Receiver Laboratory Result)	
Subject of care	Patient:in	Patient	Kompatibel Abweichung: in MIO keine Tiere (Patient: Animal) vorgesehen, in HL7 EU IG schon
Health insurance and payment information Not mapped to IG: - Health insurance information - Health insurance code - Health insurance name	Patient:in	Patient.identifier	Kompatibel Nur Versicherungsnummer
Information recipient	Laborauftrag-Informationen	ServiceRequest	Kompatibel
		Bundle Extension: Receiver Laboratory	Abweichung: in HL7 EU IG über Extension in Composition, i



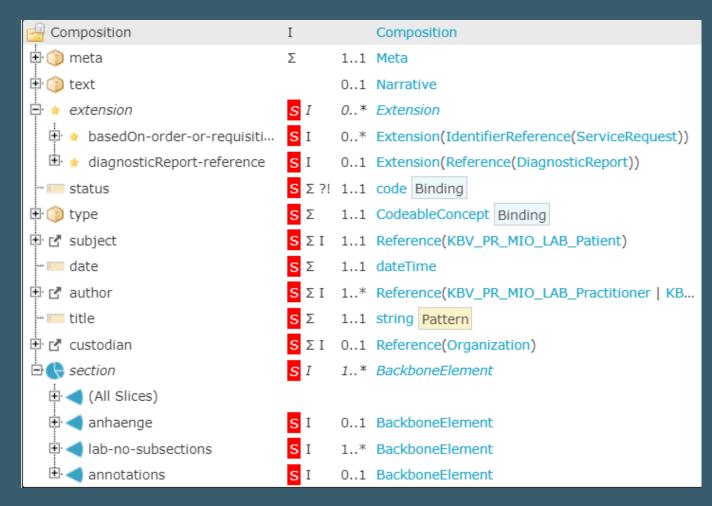
National Contributions to HL7 Europe Spec: BodyStructure

- Result of national discussion on BodyStructure brought into HL7 Europe working group
- Preadoption of R5 structure with laterality, body site, localisation, morphology



Harmonisation with HL7 Europe Spec: Composition

- Preparation of Bundle-free transmission in national FHIR-serverbased eHR
- Follows HL7 Europe Spec, e.g. with Extensions for ServiceRequest & DiagnosticReport
- Sections for attachments (DocumentReferences), study groups and annotations







Thanks for the exchange!

For more let's chat later or meet again at the FHIR DevDays.

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