

Laboratory Test Result Item: Record the findings and interpretation of a individual laboratory test.

CIMI					FHIR	openEHR/NEHTA	MOHH	IMH	Results4Care	HL7	EN13606 Association
Data Element	Data Type	Cardinality	Reason for Exclusion	Description	LabReport	Pathology Test Result. Result (cluster)	Investigation	standardLabObs (Coded, IVPQ, Nar, Ord, Quantative, Real, Titer	LabTest (container)	CCD Result Observation	ResultValue
What											
Accession number	IDENTIFIER	0..1	IMH field mapped to Specimen identifier					AccessionNumber: II [0..1]			
Filler order number	IDENTIFIER	0..1	Recorded with Lab Request					FillerOrderNumber:II [0..1]			
Placer order number	IDENTIFIER	0..1	Recorded with Lab Request					PlacerOrderNumber: II [0..1]			
Result identifier	IDENTIFIER	0..1		The identifier of the test result item						Observation/id: II [0..1]	NamedObject Cluster model in the generic Semantic Pattern
Result name	TEXT	1		The name of the lab test result.	Result.name: CodeableConcept [0..1]		Test name: CD [1]	key: CD [1]	Test name: CD [1]	Observation/code: CD.CWE [1] {LOINC, SNOMED, CPT-4}	
Result sequence	COUNT	0..1		The preferred order of the lab test result, where the display order is clinically relevant.			Sequence number: INT [0..1]				
POCT indicator	CODED_TEXT	0..1					POCT indicator: CD.CNE [0..1]				ResultValue Cluster model allows free text
Result value	DATA_VALUE	0..1		The value of the test result	resultGroup.result.value: Quantity CodeableConcept Attachment Ratio Choice Interval(dateTime) String [0..1]	Result value: Any [0..1]	Test result value: ANY [0..1]	data: CD VLPQ ST CD PQ REAL RTQ: [1]	Result [1]	Observation/value: ANY [1] IF PQ THEN UCUM units	ResultValue in the generic Semantic Pattern
Result value type	TEXT	0..1	Already captured?				Test result value type: CD [0..1]		Result Type: CD [1] (Observation Result)		
Confidence	TEXT	0..1		<< To be discussed with Michael >>					Confidence: CD [0.1]		Certainty in the SCN Cluster model in the generic semantic pattern
Result delta flag	CODED_TEXT	0..1		A code that describes the type of change in result interpretation since previous tests were performed.				DeltaFlag: CD [0..1]			The Semi-quantitative Result in the ResultValue cluster model can be defined in an Semantic Ordinal with inclusion and exclusion criteria
Result signal flag	CODED_TEXT	0..1		A code that indicates whether or not the result is outside the 'signal' range for this patient.							Status in the SCN Cluster model in the generic semantic pattern
Status	CODED_TEXT	0..1		The status of the test result	resultGroup.result.status: code [1] Registered Interim Final Amended Cancelled Withdrawn	Result status: Text [0..1] Registered Interim Final Amended Cancelled Aborted	Test result status: CD [0..1]	ResultStatus: CD [0..1]		Observation/statusCode CS.CNE [1]	
Reporting priority	CODED_TEXT	0..1	Use case not fully defined.	Indicates whether or not immediate reporting to the clinician is required.				ReportingPriority: CD [0..1]			
Comment	TEXT	0..*		Comments about the results	resultGroup.result.comments [0..1]	Result comment: Text [0..*]	Remarks: String [0..1]	Comment: ST CD [0..*]			ResultValue Cluster model allows free text
Interpretation code	CODED_TEXT	0..1		The coded interpretation flag.	resultGroup.result.flag: code [0..1] {+ ++ +++ - -- --- }	Result value.normal_status [0..1]	Abnormal indicator: CD [0..1]	AbnormalInterpretation: CD [0..1] OrdinalInterpretation: CD [0..1]	Abnormal Flag: CD [0..*]	Observation/interpretationCode: CD.CNE [0..1] { }	Interpretation is an evaluation and will be modled inan other Evaluatin Archetype
Normal range	INTERVAL <AMOUNT>	0..1									
Reference range	CLUSTER (Slot: Reference Range)	0..*		Guide for interpretation of the results	resultGroup.result.referenceRange: Class [0..*]		Reference range item: CLUSTER [0..*]			Observation/referenceRange: [0..*]	
Reference range set name	String	0..1	??	The name of the reference range set.			Reference range set name: String [0..1]				ResultValue in the generic Semantic Pattern allows Alert and Signalling ranges
Lab Result Subitem	CLUSTER	0..*	Captured using Test Result.subgroup	A nested test result. Used to create a hierarchy of result values (e.g. microbiology results)			Test Result: CLUSTER [0..*]				a Complex Cluster Model inside the ReseulValue branch of the generic semantic pattern allows complex reporting models.
Specimen	CLUSTER	0..1						SpecimenCollected: Attribution [0..1] SpecimenReceivedByLab: Attrib [0..1]			The Ordering pattern and/or Exetution pattern can specify this information about context information that describes the context of the lab test and its result
Test method	TEXT	0..1						Test method: CD [0..1]	Test method: CD [0..1]	Observation.methodCode: CE.CWE [0..1]	
Who											

Observer	PARTICIPATION	0..*	Recorded at Result level?					ResponsibleObserver: Providedid + ProviderName [0..*]			The semantic pattern has an Participations branch that allows the recording of any number of participants and roles using the NamedObject pattern
Resulted Participant	PARTICIPATION	0..*	Recorded at Result level?					Resulted.Participant [0..*]			
Verification Participant	PARTICIPATION	0..*	Recorded at Result level?					Verified.Participant [0..*]			
Performing Laboratory	PARTICIPATION	0..1	Recorded at Result level?					PerformingLaboratory: LaboratoryId + LaboratoryName + Simple Address [0..1]			
Subject	PARTICIPATION	0..1	Recorded at Result level?					Subject [0..1]: IndividualPerson [0..*] (PersonIdentifier + PersonName)			
Information provider	PARTICIPATION	0..*	Recorded at Result level?							Observation/source: [1..*]	
Updated	CLUSTER	0..1	EHR Attribution?					Updated: Attribution [0..1]			
When											
Performed Datetime	DATE_TIME	0..1	?						Performed Date: TS [0..1]	Observation/effectiveTime [0..1]	the generic semantic pattern has the Localisation in Time branch that records "an order opening instruction archetype will record when the procedure (test) has to be an order archetype using the execution pattern can record when the test was performed"
Performed datetime range	INTERVAL_VALUE <DATE_TIME>	0..1	?					Resulted.StartTime & EndTime: TS [0..1]			
Approved datetime range	INTERVAL_VALUE <DATE_TIME>	0..1	?					Verified.StartTime & EndTime: TS [0..1]			
How											
Test method	TEXT or CLUSTER?	0..1				Test Procedure: CLUSTER (Slot) [0..*]		TestMethod: CD [0..1]	Test method: CD [0..1]	Observation/methodCode [0..1]	the ordering archetype (in the result reporting archetype) carries this information. For the Observation Slot, it is used
Resulted action method	TEXT	0..1	?					Resulted.ActionMethod: CD [0..1]			
Verified action method	TEXT	0..1	?					Verified.ActionMethod: CD [0..1]			
Where											
Patient location at time of result reporting	TEXT	0..1	In Patient Event archetype					Resulted.PatientLocation [0..1]			Location in time and space patterns used in the NamedObject branch can document this
Provider location at time of result reporting	TEXT	0..1	?					Resulted.ProviderLocation [0..1]			
Patient location at time of result verification	TEXT	0..1	In Patient Event archetype					Verified.PatientLocation [0..1]			
Provider location at time of result verification	TEXT	0..1	?					Verified.ProviderLocation [0..1]			
Why											
Resulted reason	TEXT	0..*	?					Resulted.Reason: CD [0..*]			
Verified reason	TEXT	0..*	?					Verified.Reason: CD [0..*]			



