

HL7 AU Base DiagnosticReport - proposed profile

Proposal to create and add a new profile to the HL7 AU Base set of profiles for a HL7 AU Base DiagnosticReport profile.

Proposed Profile Description	Proposed Metadata	Notes
1st phase Diagnsotic Report, profiled: - basedOn: change reference from "ProcedureRequest" to "AUBaseProcedureRequest". - status: Binding - DiagnosticReportStatus (required) - Query other options: request-status (required) as per STU3; or - Order Status HL7 table 0219 - category: - coding slice, unordered, open, on value:system 0..1 slice coding slice Required Pattern: {"coding":[{"system":"http://hl7.org/fhir/v2/0074","code":"LAB"}]} - Note cardinality has been changed from 0..1 to 0..* in R4. - Subject: Change reference from (Patient Group Device Location) to (AUBasePatient Group AUBaseDevice AUBaseLocation) - effective: Note us-coreobservation has an invariant of 'us-core-1: Datetime must be at least to day.' Query wanting something similar, but this isn't in the current HL7 AU O&O content where OBR-7 is conditional ie 'This field is conditionally required. When the OBR is transmitted as part of a report message, the field must be filled in.' 'If time is transmitted it should be specified to the minimum precision of minutes and the time zone must be included.' - Performer.actor: Change reference from (Practitioner Organization) to (AUBasePractitioner AUBaseOrganisation) - specimen - Change reference from (Specimen) to (AU BaseSpecimen) - result: Change reference from (Observation) to (AUBaseObservation) "description" : "Australian realm Base Diagnostic Report profile." NOTE: don't edit the long description we want to retain the FHIR STU3 resource long description.	Name: AUBaseDiagnosticReport Title: AU Base Diagnostic Report URI: http://hl7.org.au/fhir/StructureDefinition/au-diagnostic-report	
2nd phase Procedure Request, profiled: - code: - coding slice, unordered, open, on value:system 0..1 slice coding slice (LOINC) with required binding Standards for Pathology Informatics in Australia - Reporting codes (required) Note: To be made into a valueset - refer to FTR-248 - slice name is loincPathologyReportingCodes		

The table below presents a Differential Table view of the proposed profile.

URI: <http://hl7.org.au/fhir/StructureDefinition/au-diagnosticreport>

Name				Card.	Type	Description & Constraints
DiagnosticReport					DomainResource	Australian context Diagnostics Report
	basedOn			0..*	Reference(CarePlan ImmunizationRecommendation MedicationRequest NutritionOrder AUBaseProcedureRequest ReferralRequest)	
	status			0..1	code	Binding options: 1) DiagnosticReportStatus (required) as per STU3 and us-core-differential. If so, then this row can be deleted as it is not a differential. Or: 2) Result Status HL7 table 0123 (OBR-25 Result status)
	category			0..*	CodeableConcept	
		<i>coding</i>		0..*	<i>Coding</i>	Slice: Unordered, Open by value:system
		coding		0..1	<i>Coding</i>	Pathology Category Required Pattern: {"coding":[{"system":" http://hl7.org/fhir/v2/0074 ","code":"LAB"}]} Questions: 1) Need to confirm with HL7 Au O&O that "LAB" is appropriate with a report or whether to use specific codes. 2) Change the "slice description" from "Pathology Category" to "Diagnostics Category" as there are DI options available in table 0074. Note: the Australian extension to table 0074 is no longer required as the additional code GE (Genetics) has been included in the international table 0074 ; hence just use the international table.
	code			1..1	CodeableConcept	
		<i>coding</i>		0..*	<i>Coding</i>	Slice: Unordered, Open by value:system
		coding		0..1	<i>Coding</i>	Pathology Reporting Codes (LOINC) Binding: Standards for Pathology Informatics in Australia - Reporting Codes (required) Note: To be made into a valueset - refer to FTR-248
	subject			1..1	Reference(AUBasePatient Group AUBaseLocation AUBaseDevice)	Query whether this should reference the STU3 default of: "Reference(Patient Group Location Device)" or if the AUBase profiles should be used: "Reference(AUBasePatient Group AUBaseLocation AUBaseDevice)". Check with Brett & Orders and Observations WG.
	effective[x]			0..1	dateTime	Check with O&O to see if an invariant (us-core style) is to be included.
	performer.actor			1..1	Reference(AUBasePractitioner AUBaseOrganisation)	
	specimen			0..*	Reference(AU Base Specimen)	Note: Changed to "AU Base Specimen" rather than "Specimen".
	result			0..*	Reference(AUBaseObservation)	