	severity	code	details	expression
53	error	structure	Unable to find a profile match for urn:uuid:b19cf295-cdab-4b3d-803c-a60e4a0695e0 among choices: https://fhir.nwgenomics.nhs.uk/StructureDefinition/Observation	[Bundle.entry[8].resource.result[0]]
49	error	invalid	Profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticReport|0.2.1, Element matches more than one slice - organization, operator	[Bundle.entry[8].resource.performer[0]]
48	error	processing	Slicing cannot be evaluated: Could not match discriminator ($this) for slice DiagnosticReport.category:Genetics in profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticReport\|0.2.1 - the discriminator [$this] does not have fixed value, binding or existence assertions	[Bundle.entry[8].resource.category[0]]
55	error	structure	Unable to find a profile match for urn:uuid:962c28cf-0bd0-4598-8bed-afe217e128c1 among choices: https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant	[Bundle.entry[8].resource.result[1]]
57	error	structure	Unable to find a profile match for urn:uuid:962c28cf-0bd0-4598-8bed-afe217e128c1 among choices: https://fhir.nwgenomics.nhs.uk/StructureDefinition/Observation	[Bundle.entry[8].resource.result[1]]
59	error	structure	Unable to find a profile match for urn:uuid:1809d8af-a816-4c4e-998b-f9655565b050 among choices: https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticImplication	[Bundle.entry[8].resource.result[2]]
61	error	structure	Unable to find a profile match for urn:uuid:1809d8af-a816-4c4e-998b-f9655565b050 among choices: https://fhir.nwgenomics.nhs.uk/StructureDefinition/Observation	[Bundle.entry[8].resource.result[2]]
51	error	structure	Unable to find a profile match for urn:uuid:b19cf295-cdab-4b3d-803c-a60e4a0695e0 among choices: https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel	[Bundle.entry[8].resource.result[0]]
47	information	informational	Entry 'urn:uuid:9fc7b2e2-c374-41d6-93b8-b6b82bced5b5' isn't reachable by traversing forwards from the MessageHeader. Check that this is meant to be included (needed to process the message)	[Bundle.entry[10]]
41	information	code-invalid	None of the codings provided are in the value set 'LOINC Diagnostic Report Codes' (http://hl7.org/fhir/ValueSet/report-codes|4.0.1), and a coding is recommended to come from this value set (codes = https://fhir.nhs.uk/CodeSystem/England-GenomicTestDirectory#R210.2)	[Bundle.entry[8].resource/*DiagnosticReport/null*/.code]
50	information	not-supported	DiagnosticReport.category:Genetics: Found 0 matches, but unable to	[Bundle.entry[8].resource]

severity	code	details	expression
		check minimum required (DiagnosticReport.category) due to lack of slicing validation (from https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticReport|0.2.1)	
32 information	code-invalid	None of the codings provided are in the value set 'Observation Category Codes' (http://hl7.org/fhir/ValueSet/observation-category|4.0.1), and a coding is recommended to come from this value set (codes = http://terminology.hl7.org/CodeSystem/v2-0074#GE)	[Bundle.entry[6].resource/*Observation/null*/.category[1]]
52 information	structure	Details for urn:uuid:b19cf295-cdab-4b3d-803c-a60e4a0695e0 matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel|0.2.1	[Bundle.entry[8].resource.result[0]]
34 information	business-rule	Reference to draft CodeSystem https://fhir.nwgenomics.nhs.uk/CodeSystem/GenomicClinicalIndication|0.2.1	[Bundle.entry[6].resource/*Observation/null*/.component[0].value.ofType(CodeableConcept)]
54 information	structure	Details for urn:uuid:b19cf295-cdab-4b3d-803c-a60e4a0695e0 matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Observation|0.2.1	[Bundle.entry[8].resource.result[0]]
56 information	structure	Details for urn:uuid:962c28cf-0bd0-4598-8bed-afe217e128c1 matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant|0.2.1	[Bundle.entry[8].resource.result[1]]
58 information	structure	Details for urn:uuid:962c28cf-0bd0-4598-8bed-afe217e128c1 matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Observation|0.2.1	[Bundle.entry[8].resource.result[1]]
4 information	code-invalid	None of the codings provided are in the value set 'Observation Category Codes' (http://hl7.org/fhir/ValueSet/observation-category|4.0.1), and a coding is recommended to come from this value set (codes = http://terminology.hl7.org/CodeSystem/v2-0074#GE)	[Bundle.entry[2].resource/*Observation/null*/.category[1]]
60 information	structure	Details for urn:uuid:1809d8af-a816-4c4e-998b-f9655565b050 matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticImplication|0.2.1	[Bundle.entry[8].resource.result[2]]
62 information	structure	Details for urn:uuid:1809d8af-a816-4c4e-998b-f9655565b050 matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Observation|0.2.1	[Bundle.entry[8].resource.result[2]]
19 information	code-invalid	None of the codings provided are in the value set 'Observation Category Codes' (http://hl7.org/fhir/ValueSet/observation-category|4.0.1), and a coding is recommended to come	[Bundle.entry[5].resource/*Observation/null*/.category[1]]

	severity	code	details	expression
			from this value set (codes = http://terminology.hl7.org/CodeSystem/v2-0074#GE)	
42	warning	code-invalid	None of the codings provided are in the value set 'IdentifierType' (http://hl7.org/fhir/ValueSet/identifier-type|4.0.1), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = http://terminology.hl7.org/CodeSystem/v2-0203#NH)	[Bundle.entry[8].resource/*DiagnosticReport/null*/.subject.identifier.type]
40	warning	code-invalid	Unknown Code 'R210.2' in the CodeSystem 'https://fhir.nhs.uk/CodeSystem/England-GenomicTestDirectory' version '0.2.1' - note that the code system is labeled as a fragment, so the code may be valid in some other fragment	[Bundle.entry[8].resource/*DiagnosticReport/null*/.code.coding[0].code]
38	warning	code-invalid	None of the codings provided are in the value set 'IdentifierType' (http://hl7.org/fhir/ValueSet/identifier-type|4.0.1), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = http://terminology.hl7.org/CodeSystem/v2-0203#NH)	[Bundle.entry[7].resource/*ServiceRequest/null*/.subject.identifier.type]
37	warning	code-invalid	Unknown Code 'R210.2' in the CodeSystem 'https://fhir.nhs.uk/CodeSystem/England-GenomicTestDirectory' version '0.2.1' - note that the code system is labeled as a fragment, so the code may be valid in some other fragment	[Bundle.entry[7].resource/*ServiceRequest/null*/.code.coding[0].code]
35	warning	code-invalid	Unknown Code 'R210' in the CodeSystem 'https://fhir.nwgenomics.nhs.uk/CodeSystem/GenomicClinicalIndication' version '0.2.1' - note that the code system is labeled as a fragment, so the code may be valid in some other fragment	[Bundle.entry[6].resource/*Observation/null*/.component[0].value.ofType(CodeableConcept).coding[0].code]
1	warning	code-invalid	None of the codings provided are in the value set 'IdentifierType' (http://hl7.org/fhir/ValueSet/identifier-type|4.0.1), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = http://terminology.hl7.org/CodeSystem/v2-0203#NH)	[Bundle.entry[1].resource/*Patient/null*/.identifier[0].type]
3	warning	invalid	Best Practice Recommendation: In general, all observations should have an effective[x] ()	[Bundle.entry[2].resource/*Observation/null*/]
5	warning	code-invalid	None of the codings provided are in the value set 'IdentifierType' (http://hl7.org/fhir/ValueSet/identifier-type|4.0.1), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = http://terminology.hl7.org/CodeSystem/v2-0203#NH)	[Bundle.entry[2].resource/*Observation/null*/.subject.identifier.type]
6	warning	not-found	A definition for CodeSystem 'MedGen-Dis' could not be found, so the code cannot be validated	[Bundle.entry[2].resource/*Observation/null*/.component[1].value.ofType(CodeableConcept).coding[0].system]
7	warning	not-found		

	severity	code	details	expression
			A definition for CodeSystem 'http://www.ncbi.nlm.nih.gov/refseq' could not be found, so the code cannot be validated	[Bundle.entry[2].resource/*Observation/null*/.component[2].value.ofType(CodeableConcept).coding[0].system]
8	warning	not-found	A definition for CodeSystem 'http://www.genenames.org' could not be found, so the code cannot be validated	[Bundle.entry[2].resource/*Observation/null*/.component[3].value.ofType(CodeableConcept).coding[0].system]
13	warning	code-invalid	None of the codings provided are in the value set 'IdentifierType' (http://hl7.org/fhir/ValueSet/identifier-type|4.0.1), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = http://terminology.hl7.org/CodeSystem/v2-0203#NH)	[Bundle.entry[4].resource/*DocumentReference/null*/.subject.identifier.type]
18	warning	invalid	Best Practice Recommendation: In general, all observations should have an effective[x] ()	[Bundle.entry[5].resource/*Observation/null*/]
20	warning	code-invalid	None of the codings provided are in the value set 'IdentifierType' (http://hl7.org/fhir/ValueSet/identifier-type|4.0.1), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = http://terminology.hl7.org/CodeSystem/v2-0203#NH)	[Bundle.entry[5].resource/*Observation/null*/.subject.identifier.type]
21	warning	not-found	A definition for CodeSystem 'http://www.ncbi.nlm.nih.gov/clinvar' could not be found, so the code cannot be validated	[Bundle.entry[5].resource/*Observation/null*/.component[0].value.ofType(CodeableConcept).coding[0].system]
22	warning	not-found	A definition for CodeSystem 'http://www.genenames.org' could not be found, so the code cannot be validated	[Bundle.entry[5].resource/*Observation/null*/.component[1].value.ofType(CodeableConcept).coding[0].system]
23	warning	not-found	A definition for CodeSystem 'http://www.ncbi.nlm.nih.gov/refseq' could not be found, so the code cannot be validated	[Bundle.entry[5].resource/*Observation/null*/.component[2].value.ofType(CodeableConcept).coding[0].system]
24	warning	not-found	A definition for CodeSystem 'http://varnomen.hgvs.org' could not be found, so the code cannot be validated	[Bundle.entry[5].resource/*Observation/null*/.component[3].value.ofType(CodeableConcept).coding[0].system]
25	warning	not-found	A definition for CodeSystem 'http://varnomen.hgvs.org' could not be found, so the code cannot be validated	[Bundle.entry[5].resource/*Observation/null*/.component[4].value.ofType(CodeableConcept).coding[0].system]
26	warning	not-found	A definition for CodeSystem 'http://www.ncbi.nlm.nih.gov/refseq' could not be found, so the code cannot be validated	[Bundle.entry[5].resource/*Observation/null*/.component[7].value.ofType(CodeableConcept).coding[0].system]
27	warning	not-found	A definition for CodeSystem 'http://varnomen.hgvs.org' could not be found, so the code cannot be validated	[Bundle.entry[5].resource/*Observation/null*/.component[8].value.ofType(CodeableConcept).coding[0].system]
28	warning	not-found	A definition for CodeSystem 'http://www.ncbi.nlm.nih.gov/projects/SNP' could not be found, so the code cannot be validated	[Bundle.entry[5].resource/*Observation/null*/.component[12].value.ofType(CodeableConcept).coding[0].system]
29	warning	not-found	A definition for CodeSystem 'Chrom-Loc' could not be found, so the code cannot be validated	[Bundle.entry[5].resource/*Observation/null*/.component[13].value.ofType(CodeableConcept).coding[0].system]
31	warning	invalid	Best Practice Recommendation: In general, all observations should have an effective[x] ()	[Bundle.entry[6].resource/*Observation/null*/]

severity	code	details	expression
33 warning	code-invalid	None of the codings provided are in the value set 'IdentifierType' (http://hl7.org/fhir/ValueSet/identifier-type|4.0.1), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = http://terminology.hl7.org/CodeSystem/v2-0203#NH)	[Bundle.entry[6].resource/*Observation/null*/.subject.identifier.type]