	severity	code	details	expression
0	error	invalid	Object must have some content	[Bundle.entry[2].resource.component[14].value[x].coding[0]]
59	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]]
60	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]]
64	error	structure	Unable to find a profile match for urn:uuid:5251d602-5d97-4ad3-a194-59bce9e3ac3a among choices: https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant	[Bundle.entry[8].resource.result[1]]
66	error	structure	Unable to find a profile match for urn:uuid:5251d602-5d97-4ad3-a194-59bce9e3ac3a among choices: https://fhir.nwgenomics.nhs.uk/StructureDefinition/Observation	[Bundle.entry[8].resource.result[1]]
70	error	structure	Unable to find a profile match for urn:uuid:99d6a32a-66f7-4be0-ac8e-78ba5c13e7f6 among choices: https://fhir.nwgenomics.nhs.uk/StructureDefinition/Observation	[Bundle.entry[8].resource.result[2]]
62	error	structure	Unable to find a profile match for urn:uuid:8606d0f1-2f36-487c-9031-bce78a9f365c among choices: https://fhir.nwgenomics.nhs.uk/StructureDefinition/Observation	[Bundle.entry[8].resource.result[0]]
68	error	structure	Unable to find a profile match for urn:uuid:99d6a32a-66f7-4be0-ac8e-78ba5c13e7f6 among choices: https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticImplication	[Bundle.entry[8].resource.result[2]]
61	information	not-supported	DiagnosticReport.category:Genetics: Found 0 matches, but unable to check minimum required (DiagnosticReport.category) due to lack of slicing validation (from https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticReport|0.2.1)	[Bundle.entry[8].resource]
43	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]]
45	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)]
30	information	code-invalid	None of the codings provided are in the value set 'Observation Category	[Bundle.entry[5].resource/*Observation/null*/.category[1]]

severity		code	details	expression
			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)	
71	information	structure	Details for urn:uuid:99d6a32a-66f7-4be0-ac8e-78ba5c13e7f6 matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Observation|0.2.1	[Bundle.entry[8].resource.result[2]]
52	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#R185.1)	[Bundle.entry[8].resource/*DiagnosticReport/null*/.code]
69	information	structure	Details for urn:uuid:99d6a32a-66f7-4be0-ac8e-78ba5c13e7f6 matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticImplication|0.2.1	[Bundle.entry[8].resource.result[2]]
67	information	structure	Details for urn:uuid:5251d602-5d97-4ad3-a194-59bce9e3ac3a matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Observation|0.2.1	[Bundle.entry[8].resource.result[1]]
65	information	structure	Details for urn:uuid:5251d602-5d97-4ad3-a194-59bce9e3ac3a matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant|0.2.1	[Bundle.entry[8].resource.result[1]]
58	information	informational	Entry 'urn:uuid:b9e062ed-c1ec-4525-a866-5feeaed76c1c' 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]]
63	information	structure	Details for urn:uuid:8606d0f1-2f36-487c-9031-bce78a9f365c matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Observation|0.2.1	[Bundle.entry[8].resource.result[0]]
5	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]]
53	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)	[Bundle.entry[8].resource/*DiagnosticReport/null*/.subject.identifier.type]

	severity	code	details	expression
			(codes = http://terminology.hl7.org/ CodeSystem/v2-0203#NH)	
42	warning	invalid	Best Practice Recommendation: In general, all observations should have an effective[x] ()	[Bundle.entry[6].resource/*Observation/null*/]
51	warning	code-invalid	Unknown Code 'R185.1' 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]
49	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]
48	warning	code-invalid	Unknown Code 'R185.1' 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]
46	warning	code-invalid	Unknown Code 'R185' 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]
44	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]
36	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]
39	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[11].value.ofType(CodeableConcept).coding[0].system]
2	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]
4	warning	invalid	Best Practice Recommendation: In general, all observations should have an effective[x] ()	[Bundle.entry[2].resource/*Observation/null*/]
6	warning	code-invalid	None of the codings provided are in the value set 'IdentifierType' (http:// hl7.org/fhir/ValueSet/identifier-type|	[Bundle.entry[2].resource/*Observation/null*/.subject.identifier.type]

	severity	code	details	expression
			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)	
7	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]
8	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[2].resource/*Observation/null*/.component[2].value.ofType(CodeableConcept).coding[0].system]
9	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]
10	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[2].resource/*Observation/null*/.component[4].value.ofType(CodeableConcept).coding[0].system]
11	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[2].resource/*Observation/null*/.component[5].value.ofType(CodeableConcept).coding[0].system]
12	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[2].resource/*Observation/null*/.component[6].value.ofType(CodeableConcept).coding[0].system]
13	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[2].resource/*Observation/null*/.component[7].value.ofType(CodeableConcept).coding[0].system]
14	warning	not-found	A definition for CodeSystem 'http://varnomen.hgvs.org' could not be found, so the code cannot be validated	[Bundle.entry[2].resource/*Observation/null*/.component[8].value.ofType(CodeableConcept).coding[0].system]
15	warning	not-found	A definition for CodeSystem 'http://varnomen.hgvs.org' could not be found, so the code cannot be validated	[Bundle.entry[2].resource/*Observation/null*/.component[9].value.ofType(CodeableConcept).coding[0].system]
40	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[12].value.ofType(CodeableConcept).coding[0].system]
16	warning	not-found	A definition for CodeSystem 'http://varnomen.hgvs.org' could not be found, so the code cannot be validated	[Bundle.entry[2].resource/*Observation/null*/.component[10].value.ofType(CodeableConcept).coding[0].system]
18	warning	not-found	A definition for CodeSystem 'http://varnomen.hgvs.org' could not be found, so the code cannot be validated	[Bundle.entry[2].resource/*Observation/null*/.component[12].value.ofType(CodeableConcept).coding[0].system]
19	warning	not-found	A definition for CodeSystem 'http://varnomen.hgvs.org' could not be found, so the code cannot be validated	[Bundle.entry[2].resource/*Observation/null*/.component[13].value.ofType(CodeableConcept).coding[0].system]
24	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]
29	warning	invalid		[Bundle.entry[5].resource/*Observation/null*/]

	severity	code	details	expression
			Best Practice Recommendation: In general, all observations should have an effective[x] ()	
31	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]
32	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]
33	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]
34	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]
35	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]
37	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[6].value.ofType(CodeableConcept).coding[0].system]
38	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[7].value.ofType(CodeableConcept).coding[0].system]
17	warning	not-found	A definition for CodeSystem 'http://varnomen.hgvs.org' could not be found, so the code cannot be validated	[Bundle.entry[2].resource/*Observation/null*/.component[11].value.ofType(CodeableConcept).coding[0].system]