

16, Feb 2026

|    | severity    | code          | details  | ex  |
|----|-------------|---------------|--|---|
| 0  | error       | invalid       | Object must have some content<br>Slicing cannot be evaluated: Could not match discriminator (\$this) for slice<br>DiagnosticReport.category:Genetics in profile<br>https://fhir.nwgenomics.nhs.uk/<br>StructureDefinition/DiagnosticReport 0.2.1 - the discriminator [\$this] does not have fixed value, binding or existence assertions | [Bundle.entry[2].resource.component[14].value[x].coding[0]]                                   |
| 59 | error       | processing    | Profile https://fhir.nwgenomics.nhs.uk/<br>StructureDefinition/DiagnosticReport 0.2.1, Element matches more than one slice - organization, operator  | [Bundle.entry[8].resource.category[0]]  |
| 60 | error       | invalid       | Unable to find a profile match for<br>urn:uuid:df0e32ef-7240-4b9d-9648-63a256e5c8f1 among choices: https://fhir.nwgenomics.nhs.uk/<br>StructureDefinition/GenomicStudyPanel  | [Bundle.entry[8].resource.result[0]]  |
| 62 | error       | structure     | Unable to find a profile match for<br>urn:uuid:df0e32ef-7240-4b9d-9648-63a256e5c8f1 among choices: https://fhir.nwgenomics.nhs.uk/<br>StructureDefinition/Observation  | [Bundle.entry[8].resource.result[0]]  |
| 64 | error       | structure     | Unable to find a profile match for<br>urn:uuid:3587c602-7de1-4b3c-9c9e-458de7ecd437 among choices: https://fhir.nwgenomics.nhs.uk/<br>StructureDefinition/DiagnosticImplication  | [Bundle.entry[8].resource.result[2]]  |
| 70 | error       | structure     | Unable to find a profile match for<br>urn:uuid:2e3d21b0-2717-4560-914f-a652a0a88c2d among choices: https://fhir.nwgenomics.nhs.uk/StructureDefinition/<br>Observation  | [Bundle.entry[8].resource.result[1]]  |
| 68 | error       | structure     | Unable to find a profile match for<br>urn:uuid:3587c602-7de1-4b3c-9c9e-458de7ecd437 among choices: https://fhir.nwgenomics.nhs.uk/<br>StructureDefinition/Observation  | [Bundle.entry[8].resource.result[2]]  |
| 72 | error       | structure     | Unable to find a profile match for<br>urn:uuid:2e3d21b0-2717-4560-914f-a652a0a88c2d among choices: https://fhir.nwgenomics.nhs.uk/StructureDefinition/<br>Variant  | [Bundle.entry[8].resource.result[1]]  |
| 66 | error       | structure     | Entry 'urn:uuid:6f2fcf1c-ff43-4619-adb1-2c2361066ea5' 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]]  |
| 58 | information | informational | Reference to draft CodeSystem https://fhir.nwgenomics.nhs.uk/CodeSystem/<br>GenomicClinicalIndication 0.2.1  | [Bundle.entry[6].resource/*Observation/<br>null*/.component[0].value.ofType(CodeableConcept)] |
| 45 | information | business-rule | 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[5].resource/*Observation/null*/.category[1]]                                    |
| 30 | 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]                                      |
| 52 | information | code-invalid  | Details for<br>urn:uuid:3587c602-7de1-4b3c-9c9e-458de7ecd437 matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/<br>Observation 0.2.1   | [Bundle.entry[8].resource.result[2]]  |
| 73 | information | structure     | Details for<br>urn:uuid:df0e32ef-7240-4b9d-9648-63a256e5c8f1   | [Bundle.entry[8].resource.result[0]]  |
| 63 | information | structure     |  |   |

| severity | code                      | details   | ex   |
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|          |                           | matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1   |  |
| 71       | information structure     | Details for urn:uuid:3587c602-7de1-4b3c-9c9e-458de7ecd437 matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticImplication 0.2.1   | [Bundle.entry[8].resource.result[2]]   |
| 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]]   |
| 69       | information structure     | Details for urn:uuid:2e3d21b0-2717-4560-914f-a652a0a88c2d 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:df0e32ef-7240-4b9d-9648-63a256e5c8f1 matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Observation 0.2.1   | [Bundle.entry[8].resource.result[0]]   |
| 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]]   |
| 67       | information structure     | Details for urn:uuid:2e3d21b0-2717-4560-914f-a652a0a88c2d matching against profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1   | [Bundle.entry[8].resource.result[1]]   |
| 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]   |
| 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]                                   |
| 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) (codes = http://terminology.hl7.org/CodeSystem/v2-0203#NH) | [Bundle.entry[8].resource/*DiagnosticReport/null*/.subject.identifier.type]                              |
| 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]                                |
| 51       | warning code-invalid      | Unknown Code 'R185.1' in the CodeSystem 'https://fhir.nhs.uk/CodeSystem/England-GenomicTestDirectory' version '0.2.1' - note that   | [Bundle.entry[8].resource/*DiagnosticReport/null*/.code.coding[0].code]                                  |

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|          |         | the code system is labeled as a fragment, so the code may be valid in some other fragment  |  |
| 48       | warning | code-invalid<br>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].                                     |
| 42       | warning | invalid<br>Best Practice Recommendation: In general, all observations should have an effective[x] ()   | [Bundle.entry[6].resource/*Observation/null*/]   |
| 37       | warning | not-found<br>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].  |
| 40       | warning | not-found<br>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]. |
| 2        | warning | code-invalid<br>None of the codings provided are in the value set 'IdentifierType' (http://hl7.org/fhir/ValueSet/identifier-type4.0.1), 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<br>Best Practice Recommendation: In general, all observations should have an effective[x] ()   | [Bundle.entry[2].resource/*Observation/null*/]   |
| 6        | warning | code-invalid<br>None of the codings provided are in the value set 'IdentifierType' (http://hl7.org/fhir/ValueSet/identifier-type4.0.1), 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.                                    |
| 7        | warning | not-found<br>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].  |
| 8        | warning | not-found<br>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].  |
| 9        | warning | not-found<br>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].  |
| 10       | warning | not-found<br>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].  |
| 11       | warning | not-found<br>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].  |
| 12       | warning | not-found<br>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].  |
| 13       | warning | not-found<br>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].  |
| 14       | warning | not-found<br>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].  |
| 15       | warning | not-found<br>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].  |
| 16       | warning | not-found<br>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]. |
| 17       | warning | not-found<br>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]. |
| 18       | warning | not-found<br>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]. |

|    | severity | code         | details   | ex   |
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| 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]. |
| 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].  |
| 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].  |
| 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].  |
| 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].  |
| 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].  |
| 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.                                    |
| 29 | warning  | invalid      | Best Practice Recommendation: In general, all observations should have an effective[x] ()   | [Bundle.entry[5].resource/*Observation/null*/]   |
| 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]                         |
| 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]. |
| 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].  |