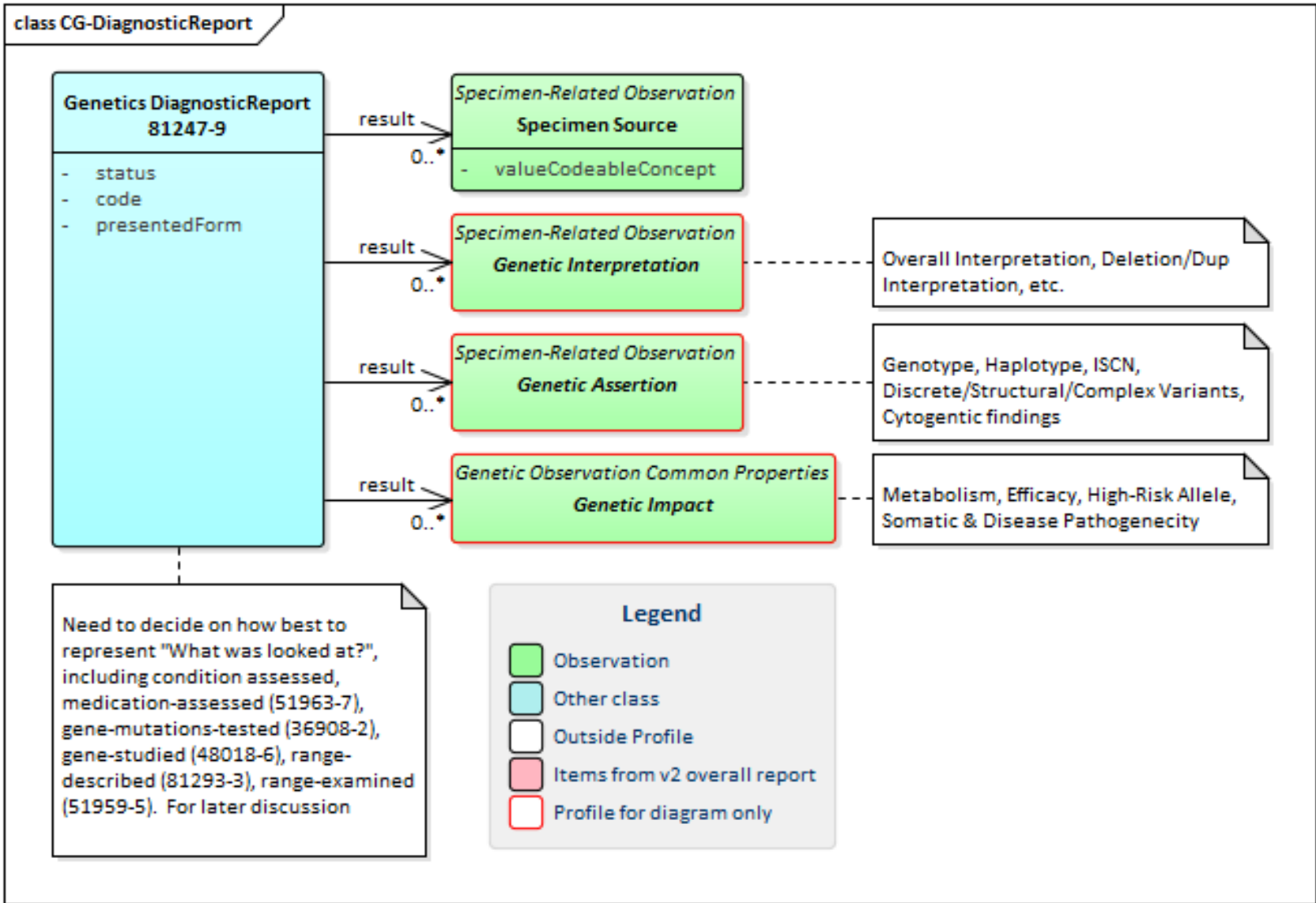


# New Model

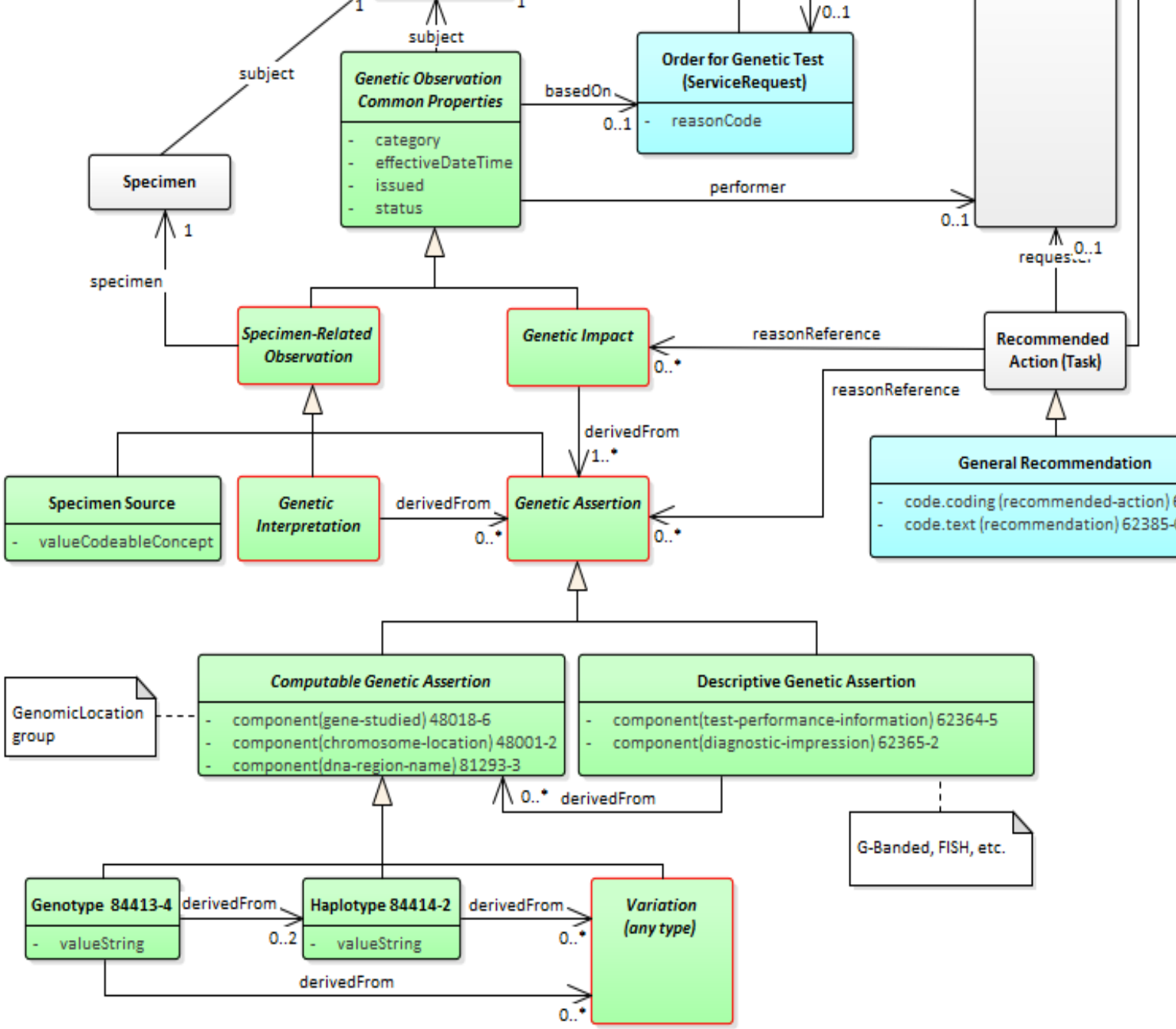


**Legend**

- Observation
- Other class
- Outside Profile
- Items from v2 overall report
- Profile for diagram only

**Current Medication (MedicationStatement)**

- medicationCodeableConcept



*Computable Genetic Assertion*  
**Variation**  
*(any type)*

**Overall Variant ISCN 81291-7**

- valueCodeableConcept

**Complex Variant 81251-1**

- valueCodeableConcept  
 - component(complex-var-type) 81263-6  
 - component(complex-var-code) 81260-2  
 - component(complex-var-name) 81262-8

hasMember

0..\*

**Described Variant (Discrete or Structural)**

- method (81304-8 variant analysis method type)  
 - valueCodeableConcept(Genetic Variant Assessment) 69548-6  
 - component(dna-chg) 48004-6  
 - component(dna-chg-type) 48019-4  
 - component(variation-code) 81252-9  
 - component(dbSNP-ID) 81255-2  
 - component(genomic-dna-chg) 81290-9  
 - component(genomic-source-class) 48002-0  
 - component(amino-acid-chg) 48005-3  
 - component(amino-acid-chg-type) 48006-1  
 - component(transcript-ref-seq) 51958-7  
 - component(genomic-ref-seq) 48013-7  
 - component(allelic-frequency) 81258-6  
 - component(allelic-phase) 8120-7  
 - component(allelic-phase-basis) 82309-6  
 - component(allelic-read-depth) 82121-5  
 - component(zygosity/allelic-state) 53034-5  
 - component(copy-number) 82155-3  
 - component(arrCGH-ratio) 81299-0  
 - component(variant-length) 81300-6  
 - component(outer-start-end) 81301-4  
 - component(inner-start-end) 81302-2

derivedFrom

0..1

**Sequence**

- type  
 - referenceSeq.genomeBuild 62374-  
 - variant.start 81254-5 (start)  
 - variant.end 81254-5 (end)  
 - variant.observedAllele 69551-0  
 - variant.referenceAllele 69547-8

No link to Patient or Specimen  
 as we're treating this as a  
 definition, not patient-specific

AminoAcidChange &  
 VariantChange groups

**Copy Number Change (62377-7)**

- component(chromosome-copy-number-change-type) 62378-5  
 - component(chromosome-band-start) 62379-3  
 - component(chromosome-band-end) 62380-1  
 - component(base-pair-start-coordiante) 62381-9  
 - component(base-pair-end-coordinate) 62382-7  
 - component(flanking-normal-region-before-start) 62383-5  
 - component(flanking-normal-region-after-end) 62384-3  
 - component(human-ref-seq-assembly-release) 62374-4  
 - component(human-ref-seq-assembly-version) 62373-6

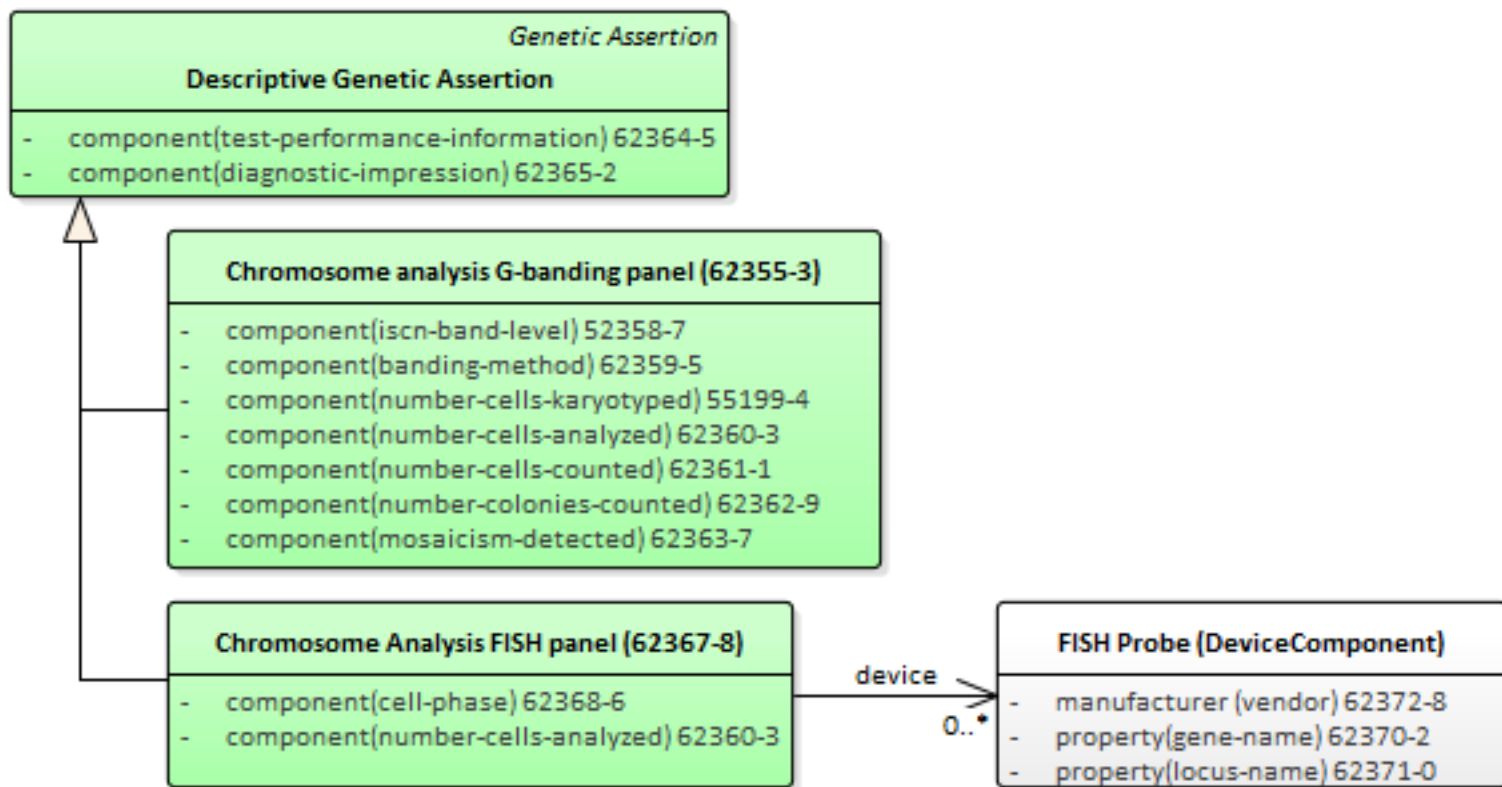
device

0..1

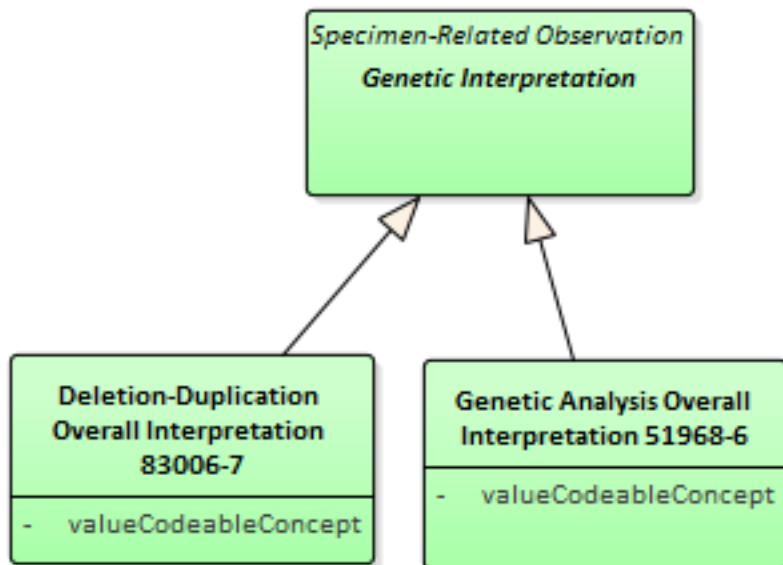
**Microarray Platform (Device)**

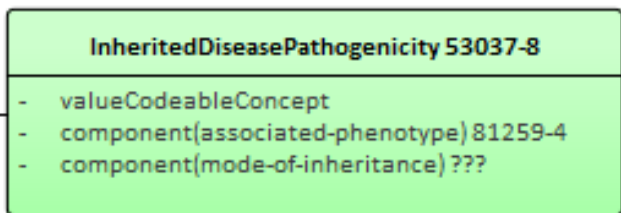
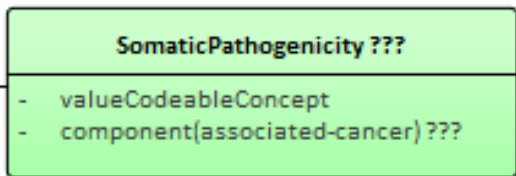
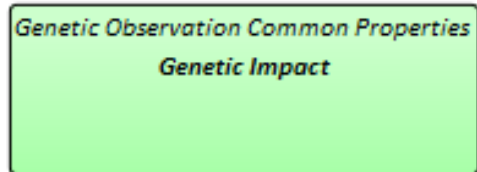
- type = "microarray platform"  
 - model 62375-1  
 - version 62376-9

class CG-Cytogenomics

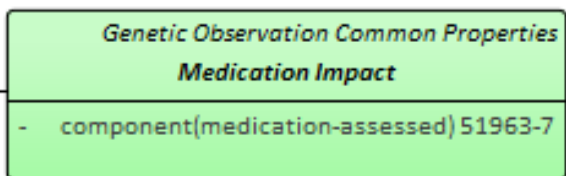


class CG-Interpretations

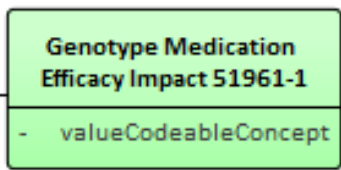
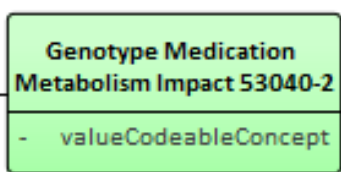
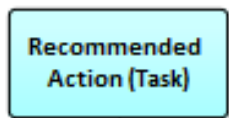
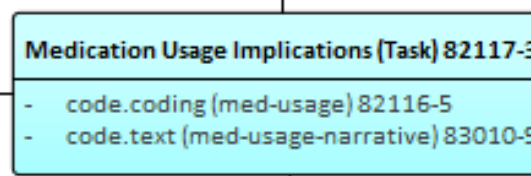




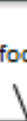
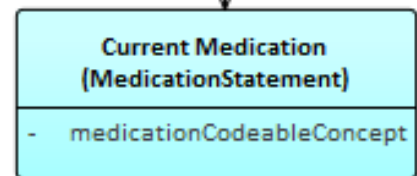
Formerly  
"clinical-  
significance"



reasonReference



focus



1

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