

Definition schema - GCAT

```
message EncountersSet
string set_id = 1;
string description = 2;
org.phenopackets.schema.v1.core.Individual subject = 3;
repeated Encounter encounters = 4;
repeated org.phenopackets.schema.v1.core.HtsFile hts_files = 5;
org.phenopackets.schema.v1.core.Metadata metadata = 6;
```

```
message Encounter
string encounter_id = 1;
repeated org.phenopackets.schema.v1.core.Age age_at_encounter = 2;
google.protobuf.Timestamp time_at_encounter = 3;
repeated Finding findings = 4;
repeated Diagnose diagnoses = 5;
repeated ExposureExtended exposures = 6;
repeated org.phenopackets.schema.v1.core.HtsFile hts_files = 7;
org.phenopackets.schema.v1.core.Metadata meta_data = 8
```

```
message Diagnose
org.phenopackets.schema.v1.core.Disease disease = 1;
Origin origin = 2;
```

```
message Findings
one of
repeated ClinicalFinding clinical_findings= 1;
repeated ExposureExtended exposures = 2;
repeated Measurement measurements = 3;
repeated Score scores = 4;
repeated Category categories = 5;
```

```
message Origin
string type = 1;
string code = 2;
string name = 3;
```

```
message ClinicalFinding
org.phenopackets.schema.v1.core.PhenotypicFeature term = 1;
Origin origin = 2;
```

```
message ExposureExtended
```

```
org.phenopackets.schema.v1.1.core.Exposure exposure = 1;  
org.phenopackets.schema.v1.1.core.Quantity quantity = 2;  
org.phenopackets.schema.v1.core.OntologyClass frequency = 3;  
org.phenopackets.schema.v1.1.core.TimeElement exposure_time = 4;
```

```
message Measurement  
string description = 1;  
org.phenopackets.schema.v1.core.OntologyClass parameter = 2;  
org.phenopackets.schema.v1.1.core.Quantity quantity = 3;  
Origin origin = 4;
```

```
message Category  
string description = 1;  
org.phenopackets.schema.v1.core.OntologyClass type = 2;  
org.phenopackets.schema.v1.core.OntologyClass classification = 3;
```

```
message Score  
string description = 1;  
org.phenopackets.schema.v1.core.OntologyClass type = 2;  
double value = 3;
```

```
message Medication  
org.phenopackets.schema.v1.1.core.PharmaceuticalTreatment medications = 1;  
org.phenopackets.schema.v1.core.OntologyClass frequency = 2;
```

```
message ProcedureExtended  
org.phenopackets.schema.v1.1.core.Procedure procedure = 1;  
Origin origin = 2;
```