**SDOHCC\_Procedure\_FoodInsecurity\_1**

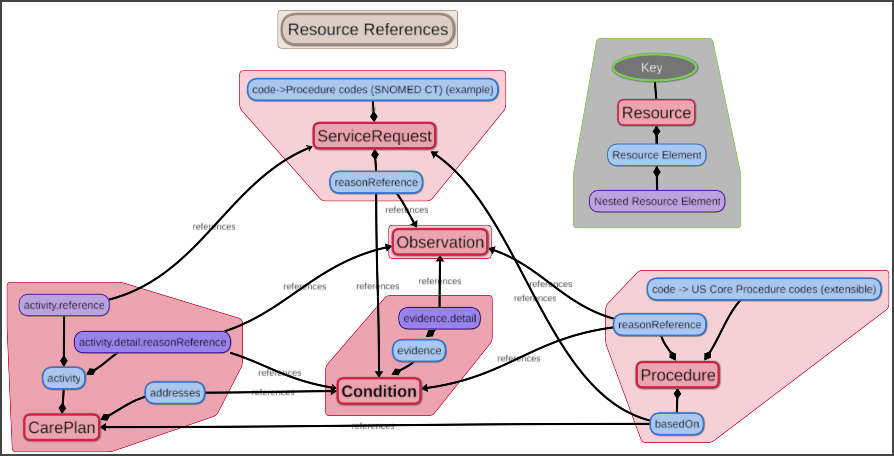
**Additional Guidanc****e**

This is a draft profile that is included in this IG to give implementers an idea of how Gravity intends to develop this profile. As the Gravity project continues to develop content, this Procedure profile will also align with CarePlan and BSeR ServiceRequest profiles which will also be further developed in future versions of the Gravity IG.

The FHIR Procedure, ServiceRequest and CarePlan resources reference one another. Therefore, to support interoperability and analytics, similar approaches will be considered in the structured representation of food insecurity procedures, service requests and care plans.

Although the Gravity Procedure, ServiceRequest and CarePlan profiles are still being developed, the diagram below shows potential relationships between Procedure, ServiceRequest and CarePlan (as well as the Conditions and/or Observations that they reference).

CarePlan may reference ServiceRequest. Procedure may be based on ServiceRequest or CarePlan. The Procedure, CarePlan and ServiceRequest may reference Condition and/or Observation.



The sections that follow provide additional guidance on 1) specific elements of this profile, and 2) efforts to align the profile with the following correlated Condition and Observation profiles:

* SDOHCC\_Condition\_FoodInsecurity\_1
* SDOHCC\_Observation\_FoodInsecurity\_1

**Procedure.code**

This element references sdohcc\_ValueSet\_FoodInsecurityIntervention\_1. Currently, this value set contains the SNOMED CT extension codes listed below. However, the current value set is only for the purpose of demonstrating a Food Insecurity Procedure for this IG. The members of this value set will increase as the Gravity Project continues to develop content.

|  |  |
| --- | --- |
| Code | Display |
| sdohcc-sctt-111000243109 | Assistance with application for Supplemental Nutrition Assistance Program (procedure) |
| sdohcc-sctt-101000243107 | Evaluation of eligibility for Supplemental Nutrition Assistance Program (procedure) |

This value set may also be used (in yet to be developed) ServiceRequest profiles for:

* ServiceRequest.code

The consistent use of similar codes for a Procedure and a referenced ServiceRequest, that the Procedure is based on, will facilitate analytics and interoperability between Procedure and ServiceRequest.

Example:

* SDOHCC\_Procedure\_FoodInsecurity\_1 modeled with:
  + Procedure.code = Assistance with application for Supplemental Nutrition Assistance Program

May align with a service request that this procedure references (via Procedure.basedOn) such as:

* SDOHCC\_ServiceRequest\_FoodInsecurity\_1 (yet to be developed) modeled with:
  + ServiceRequest.code = Assistance with application for Supplemental Nutrition Assistance Program

**Procedure.basedOn**

This element currently references <http://hl7.org/fhir/StructureDefinition/ServiceRequest> and <http://hl7.org/fhir/us/core/StructureDefinition/us-core-careplan>. As Gravity content development continues, this element will reference Gravity ServiceRequest and CarePlan profiles which are yet to be created.

**Procedure.category**

Currently, this element references [http://hl7.org/fhir/ValueSet/procedure-category](http://hl7.org/fhir/ValueSet/procedure-category.%20This%20HL7). This example HL7 value set contains the SNOMED CT codes listed below. However, as Gravity content development continues, this will value set may change to reflect the high-level intervention categories being proposed by Gravity.

|  |  |
| --- | --- |
| Code | Display |
| 24642003 | Psychiatry procedure or service |
| 409063005 | Counselling |
| 409073007 | Education |
| 387713003 | Surgical procedure |
| 103693007 | Diagnostic procedure |
| 46947000 | Chiropractic manipulation |
| 410606002 | Social service procedure |

**Procedure.reasonRe­­ference**

This element can be used to justify why the procedure was performed. It can be used to reference SDOHCC\_Condition\_FoodInsecurity\_1 and SDOHCC\_Observation\_FoodInsecurity\_1. If needed, it can also reference other Condition, Observation, Procedure and DocumentReference profiles.

**Procedure.reasonCode**

This element can be used to provide a coded reason why a procedure was performed. It could have been used in this profile to reference sdohcc\_ValueSet\_FoodInsecurity\_1 (see members below) which was also used for Condition.code and Observation.code in SDOHCC\_Condition\_FoodInsecurity\_1 and SDOHCC\_Observation\_FoodInsecurity\_1.

|  |  |
| --- | --- |
| Code | Display |
| 733423003 | Food insecurity (finding) |
| sdohcc-sctt-21000243108 | Mild food insecurity (finding) |
| sdohcc-sctt-31000243105 | Moderate food insecurity (finding) |
| sdohcc-sctt-41000243104 | Severe food insecurity (finding) |

However, this approach was deliberately avoided in this profile since Procedure.reasonCode overlaps significantly with Procedure.reasonReference and multiple approaches to representing the same information may negatively impact interoperability. Therefore, although this profile does not expressly prohibit this element, it is strongly recommended that Procedure.reasonReference be used to justify why the procedure was performed.