**Axiom template for crowns**

instances in *italics*, relations in **bold**, class names are capitalized

\*\* means to adjust for appropriate subtype (e.g., tooth, surface, restoration material)

**- Declare material entities:**

*:tooth* **rdf:type** :Tooth \*\*

*:material* **rdf:type** :Dental Restoration Material\*\*

*:patient* **rdf:type** :Human Dental Patient

*:provider* **rdf:type** :Dental Health Care Provider

**- Relate material entities**

*:tooth* **part of** *:patient*

*:material* **part of** *:tooth*

***-* Declare restoration procedure, when it occurred, and the visit it is part of**

*:visit* **rdf:type** :Dental Visit

*:procedure* **rdf:type** :Crown Restoration Procedure \*\*

*:procedure* **part of** *:visit*

*:procedure* **occurrence date** <xsd:dateTime> ## this is optional

**- Specify the inputs and outputs of procedure**

*:procedure* **has\_specified\_input** *:provider*

*:procedure* **has\_specified\_input** *:tooth*

*:procedure* **has\_specified\_input** *:material*

*:procedure* **has\_specified\_output** *:tooth*

**- Declare CDT code and what it is about**

*:cdt code* **rdf:type** :Billing Code \*\*

*:cdt code* **is about** *:procedure*

**- CDT codes for crown restoration procedures**

'2390', /\* This was originally in the fillings query \*/

'2710',

'2712',

'2721',

'2722',

'2740',

'2750',

'2751',

'2752',

'2780',

'2781',

'2782',

'2783',

'2790',

'2791',

'2792',

'2794',

'2799',

'2931',

'2932',

'2933',

'2970',

/\* Fixed Partial Denture Retainers - Crowns \*/

'6710',

'6720',

'6721',

'6722',

'6740',

'6750',

'6751',

'6752',

'6780',

'6781',

'6782',

'6783',

'6790',

'6791',

'6792',

'6793',

'6794',

'6795'