**Axiom template for crown restoration procedures**

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*

*:restored surface* **part of** *:tooth*

*: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 onlay 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'