**Axiom template for dental implants**

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:**

*:material* **rdf:type** :Dental Restoration Material\*\* **NB: There are more than one.**

*:prosthetic tooth* **rdf:type** :Prosthetic Tooth \*\*

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

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

**- Relate material entities**

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

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

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

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

*:procedure* **rdf:type** :Dental Implant Procedure\*\*

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

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

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

*:procedure* **has\_specified\_input** *:material* **NB: There are more than one.**

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

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

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

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

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

**- Add organization identifier annotation**

*:material* **organization identifier** “*NDPBRN practice #*”

*:prosthetic tooth* **organization identifier** “*NDPBRN practice #*”

*:fixed denture* **organization identifier** “*NDPBRN practice #*”

*:patient* **organization identifier** “*NDPBRN practice #*”

*:provider* **organization identifier** “*NDPBRN practice #*”

*:visit* **organization identifier** “*NDPBRN practice #*”

*:procedure* **organization identifier** “*NDPBRN practice #*”

*:cdt* **organization identifier** “*NDPBRN practice #*”

**- CDT codes for dental implants**

'D6010' (endosteal implant procedure)

'D6011' (second stage implant procedure)

'D6012' (surgical placement interim implant)\*\* TODO

'D6013' (mini dental implant procedure)

'D6040' (eposteal dental implant procedure)

'D6050' (eposteal /subperiosteal implant procedure)

'D6065' (implant supported porcelain/ceramic crown)\*\* TODO

'D6066' (implant supported porcelain fused to metal crown) \*\* TODO

'D6075' (implant supported retainer for ceramic FPD) \*\* TODO

'D6076' (implant supported retainer for porcelain fused to metal FPD) \*\* TODO