**ADA Codes to include in “The Story of a Tooth” datamining study**

Version 01-13-12

**Description of this document**: This is the list of ADA codes that we are including in our “The Story of a Tooth” datamining study. In our database queries, we will only retrieve the listed codes for analysis. Almost all codes are current (as of 1/2012) ADA CDT codes. However, there is the possibility that some historical codes are in the database. Jim Garrett explained that historical codes in the database are listed in the service\_archive table. This means we can also access data that use codes that were phased out.

From: **CDT\_2011\_Chapter1.pdf**

at (Dropbox/DIM grant projects/Eaglesoft,Picasso ontology based query (Pitt, UB, OHSU)/CDT Distribution and OWL conversion work - UB/CDT 2011-2012 PDFs)

**Diagnostic Codes:** D0100-D0999

D0120 Periodic Oral Evaluation

D0140 Limited Oral Evaluation

D0150 Comprehensive Oral Evaluation

D0160 Detailed & Extensive Oral Evaluation

D0180 Comprehensive Periodontal Evaluation – New or Established Patient

Rationale: The diagnostic codes per se don't give us info that we can analyze, but they indicate that the dentist did an exam on a specific date. So, we would then expect to see findings/existing restorations in the database (if the patient had any) on that date. Examination dates would also give us the end date of follow-up for teeth that never incurred another event (i.e., under the assumption that the absence of codes that indicate an event means “no event occurred”.) Note that the way the ADA uses the term “diagnostic codes” here is different from the general meaning of the word.

**Preventive:** D1000-D1999

D1351 Sealant

D1352 Preventive Resin Restoration

Rationale: A sealant is a way to prevent caries or treat early caries.

**Restorative:** D2000-D2999

Amalgams

D2140 amalgam – one surface, primary or permanent

D2150 amalgam – two surfaces, primary or permanent

D2160 amalgam – three surfaces, primary or permanent

D2161 amalgam – four or more surfaces, primary or permanent

Resin

D2330 resin-based composite – one surface, anterior

D2331 resin-based composite – two surfaces, anterior

D2332 resin-based composite – three surfaces, anterior

D2335 resin-based composite – four or more surfaces or involving incisal angle (anterior)

D2390 resin-based composite crown, anterior

D2391 resin-based composite – one surface, posterior

D2392 resin-based composite – two surfaces, posterior

D2393 resin-based composite – three surfaces, posterior

D2394 resin-based composite – four or more surfaces, posterior

Gold Foil

D2410 gold foil – one surface

D2420 gold foil – two surfaces

D2430 gold foil – three surfaces

Inlay/Onlay (metallic, porcelain or resin)

D2510 Inlay-metallic-one surface

D2520 Inlay-metallic-two surfaces

D2530 Inlay-metallic-three or more surfaces

D2542 Onlay-metallic-two surfaces

D2543 Onlay-metallic-three surfaces

D2544 Onlay-metallic-four or more surfaces

D2610 Inlay-porcelain/ceramic-one surface

D2620 Inlay-porcelain/ceramic-two surfaces

D2630 Inlay-porcelain/ceramic-three or more surfaces

D2642 Onlay-porcelain/ceramic-two surfaces

D2643 Onlay-porcelain/ceramic-three surfaces

D2644 Onlay-porcelain/ceramic-four or more surfaces

D2650 Inlay-resin-based composite - one surface

D2651 Inlay-resin-based composite - two surfaces

D2652 Inlay-resin-based composite - three or more surfaces

D2662 Onlay-resin-based composite - two surfaces

D2663 Onlay-resin-based composite - three surfaces

D2664 Onlay-resin-based composite - four or more surfaces

Crowns (various materials including resin, porcelain/ceramic or metal (and combinations of metals)

D2710 Crown-resin-based composite (indirect)

D2712 Crown-3/4 resin-based composite (indirect)

D2721 Crown-resin with predominantly base metal

D2722 Crown-resin with noble metal

D2740 Crown-porcelain/ceramic substrate

D2750 Crown-porcelain fused to high noble metal

D2751 Crown-porcelain fused to predominantly base metal

D2752 Crown-porcelain fused to noble metal

D2780 Crown-3/4 cast high noble metal

D2781 Crown- 3/4 cast predominantly base metal

D2782 Crown-3/4 cast noble metal

D2783 Crown-3/4 porcelain/ceramic

D2790 Crown-full cast high noble metal

D2791 Crown-full cast predominantly base metal

D2792 Crown-full cast noble metal

D2794 Crown-titanium

D2799 Provisional crown

D2931 Prefabricated stainless steel crown

D2932 Prefabricated resin crown

D2933 Prefabricated stainless steel crown with resin window

D2950 core buildup, including any pins

D2940 protective restoration

D2952 post and core in addition to crown, indirectly fabricated

D2954 prefabricated post and core in addition to crown

D2960 labial veneer (resin laminate) – chairside

D2961 labial veneer (resin laminate) – laboratory

D2962 labial veneer (porcelain laminate) – laboratory

D2970 temporary crown (fractured tooth)

Rationale: Restorative codes all restorations and materials used in dentistry: amalgams, resins, inlays, onlays, crowns, materials (gold, porcelain), provisional treatments.

**Endodontics:** D3000-D3999

D3220 Pulpotomy therapeutic

D3221 Pulpal debridement

D3222 Pulpotomy partial

Rationale: Pulpotomies indicate a formal entry into the pulp chamber, on purpose.

D3310 Endo anterior (Teeth 6 to 11, 22 to 27)

D3320 Endo Premolar (Teeth 4, 5, 12, 13, 20, 21, 28, 29)

D3330 Endo Molar (Teeth 1, 2, 3, 14, 15, 16, 17, 18, 19, 30, 31, 32)

D3346 Retreatment anterior

D3347 Retreatment premolar

D3348 Retreatment molar

Rationale: endodontic retreatments because those are potential sequelae from leakage of a lousy coronal restoration.

Apicoectomy

D3410 anterio

D3421 premolar

D3425 molar

D3450 Root amputation

D3920 Hemisection

Apexifications : Excluded

Rationale: Endodontic treatment is, in the view of our study, an adverse event, especially as a sequela to a restoration.

(Premolar and bicuspid are interchangeable terms)

**Periodontics: (D4000-D4999)**

Exclude all

**Removable Prosthodontics: (D5000-D5899)**

Exclude all

**Maxillofacial Prosthetics:**

Exclude all

**Implant Service:**

Exclude all

**Fixed Prosthodontics: (D6200-D6999)**

All pontics codes: D6200-D6254 interim pontic

The 6200 set of codes is about pontics so those might not need to be kept because they represent teeth that are not present. However, it might be that patient had the tooth extracted outside of that dentist’s office on an emergency basis, and this dentist is doing the bridge. If there is documentation that the tooth is not present but previous codes indicated it was present, either it got extracted outside the dentist’s office or it’s a coding error. This might need to be a discussion point for us. Normally I would suggest not including it because if there’s indication it was extracted in that office the extraction code would be the end of follow-up. If there’s no extraction code but you know the tooth was there previously, the extraction might have occurred elsewhere but you don’t know when, so you’d need to be making assumptions about when the extraction occurred.

Keep all codes in the 6500-6795 range (include retainers, inlays, onlays and crowns), plus 6972 and 6973.

Titus: if using code D6972 (prefabricated post and core) and D6973 (build-up), then D6970 (post and core) must be included.

Rationale: Crowns, for example, are restorations that can treat carious teeth. But, bridges where an abutment includes a virgin (or good) tooth are a special case that I am not sure about.

**Oral Surgery: (D7000-D7999)**

D7110 extraction (simple, historical code)

D7120 extraction (simple, additional tooth, historical code)

D7140 extraction (simple)

D7210 extraction (complicated) surgical

Rationale: Extraction of a tooth is an adverse event after a restoration.

**Orthodontics: (D8000-D8999)**

Exclude all

**Adjunctive General Services: (D9000-D9999)**

D9110 Palliative treatment of dental pain (if related to a specific tooth)

Rationale: Pain on a tooth is an adverse event after a restoration.