

Read Me

Review pages 1-5 for illustrations and descriptions on utilizing modifiers. If more detail is desired after reviewing these examples, please explore the other pages to view more procedures and modifiers.

Your Input Matters

The ADA's Enhanced CDT Task Force is seeking comment on the proposed framework of dental procedure code modifiers. After reviewing the "Enhanced CDT Modifier Concepts" below and exploring the examples for using modifiers as described on this page (first tab), please provide written feedback to dentalcode@ada.org. If you choose to explore the other tabs in this spreadsheet, additional feedback on the demonstrated framework within them is welcomed.

Enhanced CDT Modifier Concepts

1. A dental procedure code modifier would be documented and reported in conjunction with a dental procedure code that is in the current five-character format – "Dxxxx"
2. All modifiers would be in the HIPAA standard two-character alpha-numeric format - "xx"
3. Up to four discrete modifiers may be reported with a single CDT code.
4. Non-duplication of information reportable with other named code sets (e.g., area of oral cavity; quantity; diagnosis)

Keep in Mind

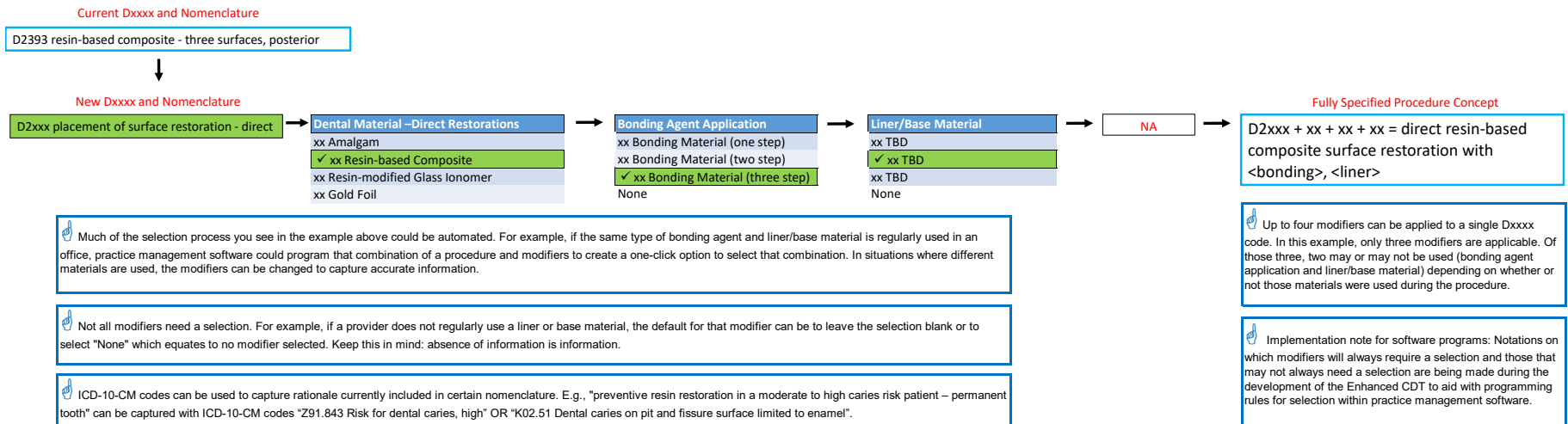
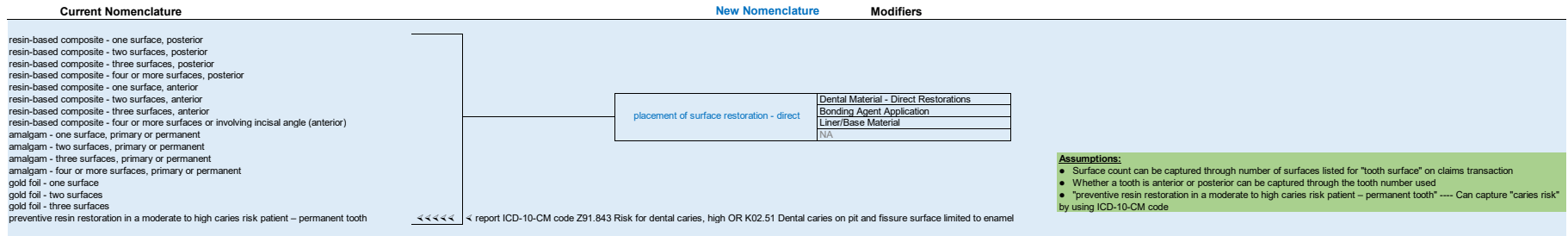
Individual modifiers listed are examples of potential content and serve as placeholders to visualize the greater architecture of the Enhanced CDT. Focus should not be on the content and accuracy of each list of modifiers, rather focus should be on the greater concept of using modifiers in the Enhanced CDT. A formal process for selection and inclusion of each individual modifier is a future step in the Enhanced CDT project.

Contact Us

If you need help viewing this content, email us anytime at dentalcode@ada.org or reach out to us from 8 a.m. to 5 p.m. Central time, Monday through Friday by phone 800.621.8099. Virtual open Q&A sessions are available for anyone to join on Nov. 15, 22, 29 and Dec. 6 and 13. Each session will be held from 1-2 p.m. Central. Details and a link to these sessions can be found at [ADA.org/publications/cdt/enhanced-cdt](https://ada.org/publications/cdt/enhanced-cdt).

Example 1

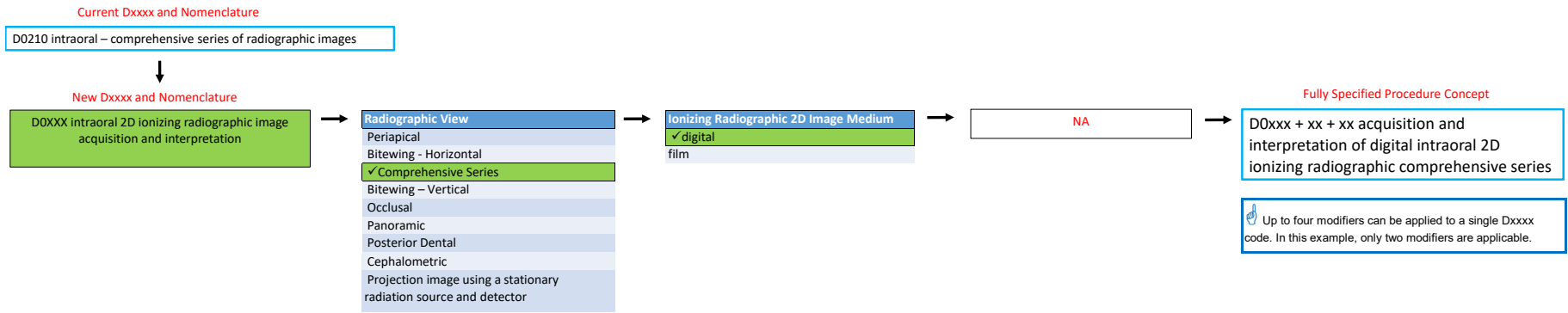
For placement of a direct surface restoration procedure a single Dxxxx CDT code could replace a suite of current CDT restorative codes. Meaningful aspects of the procedure would be conveyed by modifiers. Practice management software would be used to support a hierarchical approach to identify the fully specified procedure.



Example 2

For a radiographic image acquisition and/or interpretation procedure a single Dxxxx CDT code could replace a suite of current CDT diagnostic imaging codes. Meaningful aspects of the procedure would be conveyed by modifiers. Practice management software would be used to support a hierarchical approach to identify the fully specified procedure.

Code	Current Nomenclature	New Nomenclature	Modifiers												
	intraoral – comprehensive series of radiographic images intraoral – comprehensive series of radiographic images – image capture only intraoral – periapical first radiographic image intraoral – periapical each additional radiographic image intraoral – periapical radiographic image – image capture only intraoral – occlusal radiographic image intraoral – occlusal radiographic image – image capture only bitewing – single radiographic image bitewings – two radiographic images bitewings – three radiographic images bitewings – four radiographic images vertical bitewings – 7 to 8 radiographic images intraoral – bitewing radiographic image – image capture only interpretation of diagnostic image by a practitioner not associated with capture of the image, including report*	intraoral 2D ionizing radiographic image acquisition and interpretation intraoral 2D ionizing radiographic image acquisition only intraoral 2D ionizing radiographic image interpretation only	<table border="1"> <tr><td>Ionizing Radiographic 2D Image Medium</td></tr> <tr><td>Radiographic View</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table> <table border="1"> <tr><td>Ionizing Radiographic 2D Image Medium</td></tr> <tr><td>Radiographic View</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table> <table border="1"> <tr><td>Ionizing Radiographic 2D Image Medium</td></tr> <tr><td>Radiographic View</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Ionizing Radiographic 2D Image Medium	Radiographic View	NA	NA	Ionizing Radiographic 2D Image Medium	Radiographic View	NA	NA	Ionizing Radiographic 2D Image Medium	Radiographic View	NA	NA
Ionizing Radiographic 2D Image Medium															
Radiographic View															
NA															
NA															
Ionizing Radiographic 2D Image Medium															
Radiographic View															
NA															
NA															
Ionizing Radiographic 2D Image Medium															
Radiographic View															
NA															
NA															



Up to four modifiers can be applied to a single Dxxxx code. In this example, only two modifiers are applicable.

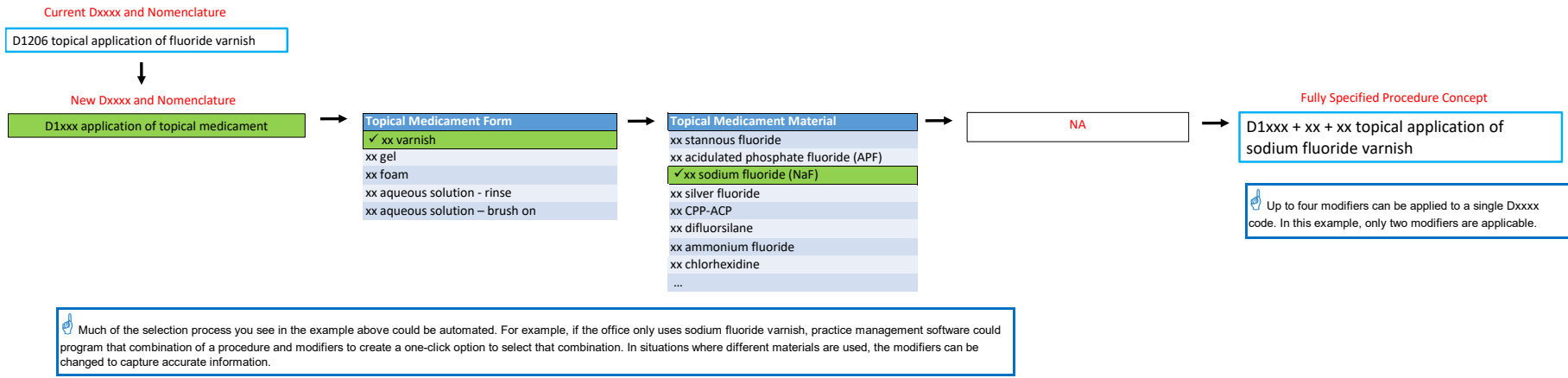
Much of the selection process you see in the example above could be automated. For example, if the office only uses digital radiographs, practice management software could program that combination of a procedure and modifiers to create a one-click option to select that combination.

Example 3

For an application of topical medicament procedure a single Dxxxx CDT code could replace a suite of current CDT preventive codes. Meaningful aspects of the procedure would be conveyed by modifiers. Practice management software would be used to support a hierarchical approach to identify the fully specified procedure.

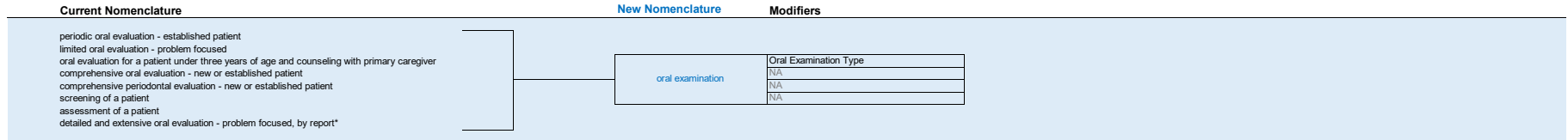
Code	Current Nomenclature	New Nomenclature	Modifiers				
	topical application of fluoride varnish topical application of fluoride – excluding varnish application of caries arresting medicament – per tooth caries preventive medicament application – per tooth application of desensitizing medicament	application of topical medicament	<table border="1"> <tr><td>Topical Medicament Form</td></tr> <tr><td>Topical Medicament Material</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Topical Medicament Form	Topical Medicament Material	NA	NA
Topical Medicament Form							
Topical Medicament Material							
NA							
NA							

Assumption: Whether a medicament is being applied for caries arresting or caries preventive purposes can be captured through ICD-10-CM codes when using "application of topical medicament"



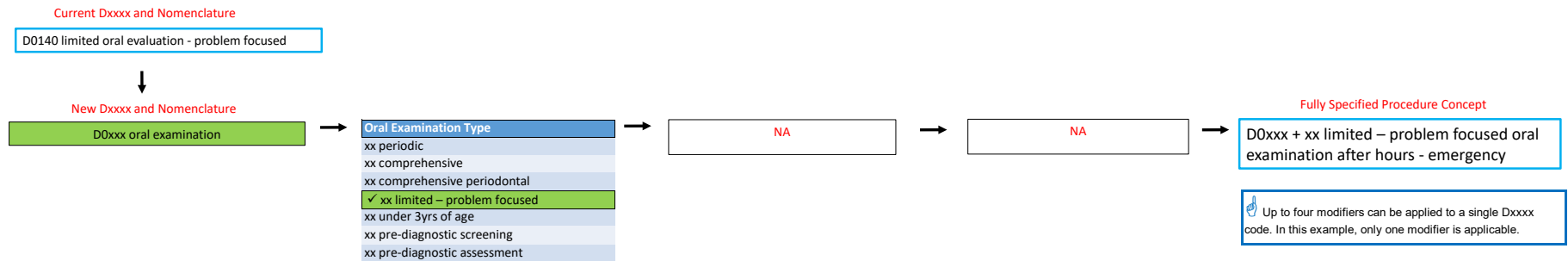
Example 4

For an oral examination procedure a single Dxxxx CDT code could replace a suite of current CDT clinical oral evaluation codes. Meaningful aspects of the procedure would be conveyed by modifiers. Practice management software would be used to support a hierarchical approach to identify the fully specified procedure.



ⓘ Much of the selection process you see in the example above could be automated. For example, for frequent procedures like a periodic or comprehensive oral examination during regular hours that are non-emergency situations, practice management software could program that combination of a procedure and modifiers to create a one-click option to select that combination. In situations where different materials are used, the modifiers can be changed to capture accurate information.

Second Example for Clinical Oral Evaluation Procedures



DIAGNOSTIC EXAMINATIONS & CONSULTATIONS

Framework guidelines:

1. A dental procedure code modifier would be documented and reported in conjunction with a dental procedure code that is in the current five-character format – “Dxxxx”
2. All modifiers would be in the HIPAA standard two-character alpha-numeric format - "xx"
3. Up to four discrete modifiers may be reported with a single CDT code.
4. Non-duplication of information reportable with other named code sets (e.g., area of oral cavity; quantity; diagnosis)

Navigating this spreadsheet:

Column B shows the current nomenclature

Column C shows what we've condensed the procedures/nomenclatures down to within each set. The first example shows three new nomenclatures created from the list of current procedures in column B

Column D contains the modifiers. Each modifier category or group has a dropdown box of the actual modifiers we have come up with. Feel free to explore the dropdown boxes to see the different modifiers (only if viewing in Excel format).

Column E contains lists of suggested modifiers if the drop down box has not yet been populated as well as notes on decision tree logic and other considerations.

Note: If you actually “select” a modifier when you click on a dropdown box in Excel, you'll lose the label for that modifier category and it will then only display whatever modifier you selected. You can get the label back if you click “undo”.

Keep in Mind

Individual modifiers listed are examples of potential content and serve as placeholders to visualize the greater architecture of the Enhanced CDT. Focus should not be on the content and accuracy of each list of modifiers, rather focus should be on the greater concept of using modifiers in the Enhanced CDT. A formal process for selection and inclusion of each individual modifier is a future step in the Enhanced CDT project.

B	C	D	E				
Current Nomenclature	New Nomenclature	Modifiers	Notes/Logic/Attributes				
periodic oral evaluation - established patient limited oral evaluation - problem focused oral evaluation for a patient under three years of age and counseling with primary caregiver comprehensive oral evaluation - new or established patient comprehensive periodontal evaluation - new or established patient screening of a patient assessment of a patient detailed and extensive oral evaluation - problem focused, by report*	oral examination	<table border="1"> <tr><td>Oral Examination Type</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Oral Examination Type	NA	NA	NA	
Oral Examination Type							
NA							
NA							
NA							
re-evaluation - limited, problem focused (established patient; not post-operative visit) re-evaluation – post-operative office visit	re-evaluation	<table border="1"> <tr><td>Re-Evaluation Type</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Re-Evaluation Type	NA	NA	NA	
Re-Evaluation Type							
NA							
NA							
NA							
office visit for observation (during regularly scheduled hours) - no other services performed office visit - after regularly scheduled hours	office visit	<table border="1"> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	NA	NA	NA	NA	See "Exceptional Encounter Circumstance" under "Encounter Codes" tab to capture "after hours" and "emergency" encounters.
NA							
NA							
NA							
NA							
consultation - diagnostic service provided by dentist or physician other than requesting dentist or consultation with a medical health care professional	consultation	<table border="1"> <tr><td>Consultation type</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Consultation type	NA	NA	NA	
Consultation type							
NA							
NA							
NA							
case presentation, subsequent to detailed and extensive treatment planning	case presentation	<table border="1"> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	NA	NA	NA	NA	
NA							
NA							
NA							
NA							

Assumptions:

Surface count can be captured through number of surfaces listed for "tooth surface" on claims transaction

"preventive resin restoration in a moderate to high caries risk patient – permanent tooth" ---- Can capture "caries risk" by using ICD-10-CM code

Whether a medicament is being applied for caries arresting or caries preventive purposes can be captured through ICD-10-CM codes when using "application of topical medicament"

DIAGNOSTIC IMAGING

Framework guidelines:

1. A dental procedure code modifier would be documented and reported in conjunction with a dental procedure code that is in the current five-character format – “Dxxxx”
2. All modifiers would be in the HIPAA standard two-character alpha-numeric format - "xx"
3. Up to four discrete modifiers may be reported with a single CDT code.
4. Non-duplication of information reportable with other named code sets (e.g., area of oral cavity; quantity; diagnosis)

Navigating this spreadsheet:

Column B shows the current nomenclature

Column C shows what we’ve condensed the procedures/nomenclatures down to within each set. The first example shows three new nomenclatures created from the list of current procedures in column B

Column D contains the modifiers. Each modifier category or group has a dropdown box of the actual modifiers we have come up with. Feel free to explore the dropdown boxes to see the different modifiers (only if viewing in Excel format).

Column E contains lists of suggested modifiers if the drop down box has not yet been populated as well as notes on decision tree logic and other considerations.

Note: If you actually “select” a modifier when you click on a dropdown box in Excel, you’ll lose the label for that modifier category and it will then only display whatever modifier you selected. You can get the label back if you click “undo”.

Keep in Mind

Individual modifiers listed are examples of potential content and serve as placeholders to visualize the greater architecture of the Enhanced CDT. Focus should not be on the content and accuracy of each list of modifiers, rather focus should be on the greater concept of using modifiers in the Enhanced CDT. A formal process for selection and inclusion of each individual modifier is a future step in the Enhanced CDT project.

B	C	D	E
Current Nomenclature	New Nomenclature	Modifiers	Notes/Logic
intraoral – comprehensive series of radiographic images intraoral – comprehensive series of radiographic images – image capture only intraoral - periapical first radiographic image intraoral - periapical each additional radiographic image intraoral – periapical radiographic image – image capture only intraoral - occlusal radiographic image intraoral – occlusal radiographic image – image capture only bitewing - single radiographic image bitewings - two radiographic images bitewings - three radiographic images bitewings - four radiographic images vertical bitewings - 7 to 8 radiographic images intraoral – bitewing radiographic image – image capture only interpretation of diagnostic image by a practitioner not associated with capture of the image, including report*	intraoral 2D ionizing radiographic image acquisition and interpretation	Ionizing Radiographic 2D Image Medium Radiographic View NA NA	
	intraoral 2D ionizing radiographic image acquisition only	Ionizing Radiographic 2D Image Medium Radiographic View NA NA	
	intraoral 2D ionizing radiographic image interpretation only	Ionizing Radiographic 2D Image Medium Radiographic View NA NA	
extra-oral – 2D projection radiographic image created using a stationary radiation source, and detector extra-oral posterior dental radiographic image extra-oral posterior dental radiographic image – image capture only panoramic radiographic image panoramic radiographic image – image capture only 2D cephalometric radiographic image – acquisition, measurement and analysis 2-D cephalometric radiographic image – image capture only interpretation of diagnostic image by a practitioner not associated with capture of the image, including report*	extraoral 2D ionizing radiographic image acquisition and interpretation	Ionizing Radiographic 2D Image Medium Radiographic View NA NA	
	extraoral 2D ionizing radiographic image acquisition only	Ionizing Radiographic 2D Image Medium Radiographic View NA NA	
	extraoral 2D ionizing radiographic image interpretation only	Ionizing Radiographic 2D Image Medium Radiographic View NA NA	

DIAGNOSTIC IMAGING

temporomandibular joint arthrogram, including injection* interpretation of diagnostic image by a practitioner not associated with capture of the image, including report*	TMJ series 2D ionizing radiographic image acquisition and interpretation	Ionizing Radiographic 2D Image Medium Contrast NA NA	
	TMJ series 2D ionizing radiographic image acquisition only	Ionizing Radiographic 2D Image Medium Contrast NA NA	
	TMJ series 2D ionizing radiographic image interpretation only	Ionizing Radiographic 2D Image Medium Contrast NA NA	
tomographic survey interpretation of diagnostic image by a practitioner not associated with capture of the image, including report*	tomographic survey acquisition and interpretation	Ionizing Radiographic 2D Image Medium CT and Tomographic Survey Image Field of View Contrast NA	
	tomographic survey acquisition only	Ionizing Radiographic 2D Image Medium CT and Tomographic Survey Image Field of View Contrast NA	
	tomographic survey interpretation only	Ionizing Radiographic 2D Image Medium CT and Tomographic Survey Image Field of View Contrast NA	
2D oral/facial photographic image obtained intra-orally or extra-orally 2-D oral/facial photographic image obtained intra-orally or extra-orally – image capture only interpretation of diagnostic image by a practitioner not associated with capture of the image, including report*	2D oral/facial photographic image acquisition and interpretation	2D Photographic Image Medium 2D Photographic Image Type NA NA	Not to include "film - digitized" for acquisition only
	2D oral/facial photographic image acquisition only	2D Photographic Image Medium 2D Photographic Image Type NA NA	
	2D oral/facial photographic image interpretation only	2D Photographic Image Medium 2D Photographic Image Type NA NA	
cone beam CT capture and interpretation with limited field of view – less than one whole jaw cone beam CT capture and interpretation with field of view of one full dental arch – mandible cone beam CT capture and interpretation with field of view of one full dental arch – maxilla, with or without cranium cone beam CT capture with limited field of view – less than one whole jaw cone beam CT image capture with field of view of one full dental arch – mandible cone beam CT image capture with field of view of one full dental arch – maxilla, with or without cranium cone beam CT image capture with field of view of both jaws; with or without cranium cone beam CT image capture for TMJ series including two or more exposures sialography* interpretation of diagnostic image by a practitioner not associated with capture of the image, including report*	ct image acquisition and interpretation	CT Image Medium CT and Tomographic Survey Image Field of View Contrast NA	
	ct image acquisition only	CT Image Medium CT and Tomographic Survey Image Field of View Contrast NA	
	ct image acquisition interpretation only	CT Image Medium CT and Tomographic Survey Image Field of View Contrast NA	

DIAGNOSTIC IMAGING

temporomandibular joint arthrogram, including injection* cone beam CT capture and interpretation for TMJ series including two or more exposures interpretation of diagnostic image by a practitioner not associated with capture of the image, including report*	TMJ series ct image acquisition and interpretation	CT Image Medium Contrast NA NA
	TMJ series ct image acquisition only	CT Image Medium Contrast NA NA
	TMJ series ct image interpretation only	CT Image Medium Contrast NA NA
maxillofacial MRI capture and interpretation maxillofacial MRI image capture sialography* interpretation of diagnostic image by a practitioner not associated with capture of the image, including report*	maxillofacial MRI acquisition and interpretation	Exposure Sequence Contrast NA NA
	maxillofacial MRI acquisition only	Exposure Sequence Contrast NA NA
	maxillofacial MRI interpretation only	Exposure Sequence Contrast NA NA
maxillofacial ultrasound capture and interpretation maxillofacial ultrasound image capture interpretation of diagnostic image by a practitioner not associated with capture of the image, including report*	maxillofacial ultrasound acquisition and interpretation	NA NA NA NA
	maxillofacial ultrasound acquisition only	NA NA NA NA
	maxillofacial ultrasound interpretation only	NA NA NA NA
sialoendoscopy capture and interpretation interpretation of diagnostic image by a practitioner not associated with capture of the image, including report*	sialoendoscopy image acquisition and interpretation	NA NA NA NA
	sialoendoscopy image acquisition only	NA NA NA NA
	sialoendoscopy image interpretation only	NA NA NA NA

DIAGNOSTIC IMAGING

intraoral tomosynthesis – comprehensive series of radiographic images intraoral tomosynthesis – bitewing radiographic image intraoral tomosynthesis – periapical radiographic image intraoral tomosynthesis – comprehensive series of radiographic images – image capture only intraoral tomosynthesis – bitewing radiographic image – image capture only intraoral tomosynthesis – periapical radiographic image – image capture only interpretation of diagnostic image by a practitioner not associated with capture of the image, including report*	tomosynthesis image acquisition and interpretation	Radiographic View NA NA NA	exclude "occlusal" and "sialography" from list
	tomosynthesis image acquisition only	Radiographic View NA NA NA	
	tomosynthesis image interpretation only	Radiographic View NA NA NA	
virtual treatment simulation using 3D image volume or surface scan	virtual treatment simulation using multidimensional image volume or surface scan	Simulation Rationale NA NA NA	
digital subtraction of two or more images or image volumes of the same modality	digital subtraction of two or more images or image volumes of the same modality	Image Modality NA NA NA	
fusion of two or more 3D image volumes of one or more modalities	fusion of two or more multidimensional image volumes of one or more modalities	Image Modality Image Modality Image Modality Image Modality	Any combination of 2-4 modalities
3D dental surface scan – direct 3D dental surface scan – indirect 3D facial surface scan – direct 3D facial surface scan – indirect	multidimensional image acquisition- includes laser scan, photographic scan, and multiple photographs	Multidimensional Image Medium Multidimensional Image Subject NA NA	
	multidimensional image interpretation - includes laser scan, photographic scan, and multiple photographs	Multidimensional Image Medium Multidimensional Image Type NA NA	
sialography	sialography	Contrast NA NA NA	

Guideline Considerations

"Contrast" refers to the use of radiopaque dyes to display lesion definition.

PREVENTIVE

Framework guidelines:

1. A dental procedure code modifier would be documented and reported in conjunction with a dental procedure code that is in the current five-character format – “Dxxxx”
2. All modifiers would be in the HIPAA standard two-character alpha-numeric format - "xx"
3. Up to four discrete modifiers may be reported with a single CDT code.
4. Non-duplication of information reportable with other named code sets (e.g., area of oral cavity; quantity; diagnosis)

Navigating this spreadsheet:

Column B shows the current nomenclature

Column C shows what we've condensed the procedures/nomenclatures down to within each set. The first example shows three new nomenclatures created from the list of current procedures in column B

Column D contains the modifiers. Each modifier category or group has a dropdown box of the actual modifiers we have come up with. Feel free to explore the dropdown boxes to see the different modifiers (only if viewing in Excel format).

Column E contains lists of suggested modifiers if the drop down box has not yet been populated as well as notes on decision tree logic and other considerations.

Note: If you actually “select” a modifier when you click on a dropdown box in Excel, you’ll lose the label for that modifier category and it will then only display whatever modifier you selected. You can get the label back if you click “undo”.

Keep in Mind

Individual modifiers listed are examples of potential content and serve as placeholders to visualize the greater architecture of the Enhanced CDT. Focus should not be on the content and accuracy of each list of modifiers, rather focus should be on the greater concept of using modifiers in the Enhanced CDT. A formal process for selection and inclusion of each individual modifier is a future step in the Enhanced CDT project.

Current Nomenclature	B	New Nomenclature	C	D	E
Current Nomenclature		New Nomenclature	Modifiers	Notes/Logic/Attributes	
prophylaxis - adult prophylaxis - child		prophylaxis	Dentition Development NA NA NA		
topical application of fluoride varnish topical application of fluoride – excluding varnish application of caries arresting medicament – per tooth caries preventive medicament application – per tooth application of desensitizing medicament		application of topical medicament	Topical Medicament Form Topical Medicament Material NA NA		
nutritional counseling for control of dental disease tobacco counseling for the control and prevention of oral disease counseling for the control and prevention of adverse oral, behavioral, and systemic health effects associated with high-risk substance oral hygiene instructions		preventive counseling	Preventive Counseling Type NA NA NA		
sealant - per tooth sealant repair – per tooth		placement of sealant	Sealant Material Procedure Occurance NA NA		
new procedure		fabrication of occlusal guard - full arch	Appliance Material Modality of Fabrication Dental Laboratory Setting NA		
new procedure		fabrication of occlusal guard - partial arch	Appliance Material Modality of Fabrication Dental Laboratory Setting NA		

PREVENTIVE

new procedure	fabrication of athletic mouthguard	<table border="1"> <tr><td>Appliance Material</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Appliance Material	Modality of Fabrication	Dental Laboratory Setting	NA	
Appliance Material							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
new procedure	fabrication of custom sleep apnea appliance	<table border="1"> <tr><td>Appliance Material</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Appliance Material	Modality of Fabrication	Dental Laboratory Setting	NA	exclude "soft" exclude "digital"; exclude "cast"
Appliance Material							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
occlusal guard – hard appliance, full arch occlusal guard – soft appliance, full arch	delivery of occlusal guard - full arch	<table border="1"> <tr><td>Appliance Material</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Appliance Material	NA	NA	NA	
Appliance Material							
NA							
NA							
NA							
occlusal guard – hard appliance, partial arch	delivery of occlusal guard - partial arch	<table border="1"> <tr><td>Appliance Material</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Appliance Material	NA	NA	NA	
Appliance Material							
NA							
NA							
NA							
fabrication of athletic mouthguard	delivery of athletic mouthguard	<table border="1"> <tr><td>Appliance Material</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Appliance Material	NA	NA	NA	
Appliance Material							
NA							
NA							
NA							
custom sleep apnea appliance fabrication and placement* inserted in the palate?	delivery of custom sleep apnea appliance	<table border="1"> <tr><td>Appliance Material</td></tr> <tr><td>Appliance Engagement Positioning</td></tr> <tr><td>Appliance Engagement Material</td></tr> <tr><td>NA</td></tr> </table>	Appliance Material	Appliance Engagement Positioning	Appliance Engagement Material	NA	
Appliance Material							
Appliance Engagement Positioning							
Appliance Engagement Material							
NA							
repair and/or reline of occlusal guard	repair and/or reline of occlusal guard	<table border="1"> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Laboratory Setting	NA	NA	NA	
Dental Laboratory Setting							
NA							
NA							
NA							
repair of custom sleep apnea appliance	repair of custom sleep apnea appliance	<table border="1"> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Laboratory Setting	NA	NA	NA	
Dental Laboratory Setting							
NA							
NA							
NA							
occlusal guard adjustment	adjustment of occlusal guard	<table border="1"> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Laboratory Setting	NA	NA	NA	
Dental Laboratory Setting							
NA							
NA							
NA							
adjustment of custom sleep apnea appliance	adjustment of custom sleep apnea appliance	<table border="1"> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Laboratory Setting	NA	NA	NA	
Dental Laboratory Setting							
NA							
NA							
NA							
dental case management - addressing appointment compliance barriers dental case management - care coordination dental case management - motivational interviewing dental case management - patient education to improve oral health literacy	dental case management	<table border="1"> <tr><td>Dental Case Management Type</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Case Management Type	NA	NA	NA	
Dental Case Management Type							
NA							
NA							
NA							

RESTORATIVE

Framework guidelines:

1. A dental procedure code modifier would be documented and reported in conjunction with a dental procedure code that is in the current five-character format – “Dxxxx”
2. All modifiers would be in the HIPAA standard two-character alpha-numeric format - "xx"
3. Up to four discrete modifiers may be reported with a single CDT code.
4. Non-duplication of information reportable with other named code sets (e.g., area of oral cavity; quantity; diagnosis)

Navigating this spreadsheet:

Column B shows the current nomenclature

Column C shows what we've condensed the procedures/nomenclatures down to within each set. The first example shows three new nomenclatures created from the list of current procedures in column B

Column D contains the modifiers. Each modifier category or group has a dropdown box of the actual modifiers we have come up with. Feel free to explore the dropdown boxes to see the different modifiers (only if viewing in Excel format).

Column E contains lists of suggested modifiers if the drop down box has not yet been populated as well as notes on decision tree logic and other considerations.

Note: If you actually “select” a modifier when you click on a dropdown box in Excel, you’ll lose the label for that modifier category and it will then only display whatever modifier you selected. You can get the label back if you click “undo”.

Keep in Mind

Individual modifiers listed are examples of potential content and serve as placeholders to visualize the greater architecture of the Enhanced CDT. Focus should not be on the content and accuracy of each list of modifiers, rather focus should be on the greater concept of using modifiers in the Enhanced CDT. A formal process for selection and inclusion of each individual modifier is a future step in the Enhanced CDT project.

B Current Nomenclature	C New Nomenclature	D Modifiers	E Notes/Logic/Attributes
amalgam - one surface, primary or permanent amalgam - two surfaces, primary or permanent amalgam - three surfaces, primary or permanent amalgam - four or more surfaces, primary or permanent resin-based composite - one surface, anterior resin-based composite - two surfaces, anterior resin-based composite - three surfaces, anterior resin-based composite - four or more surfaces or involving incisal angle (anterior) resin-based composite - one surface, posterior resin-based composite - two surfaces, posterior resin-based composite - three surfaces, posterior resin-based composite - four or more surfaces, posterior gold foil - one surface gold foil - two surfaces gold foil - three surfaces preventive resin restoration in a moderate to high caries risk patient – permanent tooth	placement of surface restoration - direct	Dental Material - Direct Restorations Bonding Agent Application Liner/Base Material NA	need to add list
interim therapeutic restoration – primary dentition	interim therapeutic restoration	Dental Material - Direct Restorations Bonding Agent Application Liner/Base Material NA	
protective restoration how to capture this intent?	placement of protective surface restoration - direct	NA NA NA NA	
reattachment of tooth fragment, incisal edge or cusp	reattachment of tooth fragment, incisal edge or cusp	Bonding Agent Application Flowable Restorative Material NA NA	

RESTORATIVE

resin infiltration of incipient smooth surface lesions	resin infiltration of incipient smooth surface lesions	NA NA NA NA	
local anesthesia not in conjunction with operative or surgical procedures regional block anesthesia trigeminal division block anesthesia local anesthesia in conjunction with operative or surgical procedures	administration of local anesthesia - per carpule	Local Anesthetic Block Anesthesia NA NA	
new procedure *preps for inlays, onlays and crowns	preparation of tooth for indirect restoration	Liner/Base Material NA NA NA	implementation note- if core buildup replaces this, then no "liner/base" modifier needed.
restorative foundation for an indirect restoration	placement of restorative foundation	Dental Material - Direct Restorations Bonding Agent Application Liner/Base Material NA	exclude "gold foil"
core buildup, including any pins when required post and core in addition to crown, indirectly fabricated* prefabricated post and core in addition to crown* re-cement or re-bond indirectly fabricated or prefabricated post and core*	placement of core buildup	Dental Material - Direct Restorations Bonding Agent Application Procedure Occurance NA	exclude "gold foil"
pin retention - per tooth, in addition to restoration	placement of pin - per tooth	NA NA NA NA	
post and core in addition to crown, indirectly fabricated* each additional indirectly fabricated post - same tooth prefabricated post and core in addition to crown* each additional prefabricated post - same tooth re-cement or re-bond indirectly fabricated or prefabricated post and core*	placement of post - per unit	Dental Material - Indirect Restorations Modality of Fabrication Procedure Occurance NA	Indirectly Fabricated, Prefabricated Indirectly Fabricated, Prefabricated
new procedure *this code to be applicable to many services (e.g., occlusal guards, sleep apnea appliances, crowns, dentures, whitening trays, etc.)	capture of impression - per arch	Modality of Impression Capture Impression Material NA NA	
new procedure *this code to be applicable to many services (e.g., occlusal guards, sleep apnea appliances, crowns, dentures, whi	capture of bite registration	Modality of Impression Capture Impression Material NA NA	
diagnostic casts *this code to be applicable to many services (e.g., occlusal guards, sleep apnea appliances, crowns, dentures, whi	fabrication of dental model - per arch	Modality of Fabrication NA NA NA	Hand fabricated (cast); dental scan; impression scan
new procedure *this code to be applicable to many services (e.g., occlusal guards, sleep apnea appliances, crowns, dentures, whi	mounting of dental model	Mounting Modality Articulator Type NA NA	Decision tree: only if "Hand fabricated - indirect" selected for "Modality of Fabrication and Manipulation"
occlusion analysis - mounted case *this code to be applicable to many services (e.g., ortho, implants, endo, perio)	analysis of mounted case	Analysis of Mounted Case NA NA NA	

RESTORATIVE

<p>new procedure</p> <p>*temporary fillings before placement of inlays if following a two appointment procedure</p>	<p>placement of temporary restorative material - direct</p>	<table border="1"> <tr><td>Temporary Restorative Material - Direct</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Temporary Restorative Material - Direct	Procedure Occurance	NA	NA	
Temporary Restorative Material - Direct							
Procedure Occurance							
NA							
NA							
<p>new procedure</p> <p>are there different "hand fabricated" techniques to list?</p>	<p>fabrication of inlay</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	<p>exclude "cast from physical impression"; "Digital Scan"; "Prefabricated"</p>
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
<p>inlay - metallic - one surface</p> <p>inlay - metallic - two surfaces</p> <p>inlay - metallic - three or more surfaces</p> <p>inlay - porcelain/ceramic - one surface</p> <p>inlay - porcelain/ceramic - two surfaces</p> <p>inlay - porcelain/ceramic - three or more surfaces</p> <p>inlay - resin-based composite - one surface</p> <p>inlay - resin-based composite - two surfaces</p> <p>inlay - resin-based composite - three or more surfaces</p> <p>re-cement or re-bond inlay, onlay, veneer or partial coverage restoration*</p>	<p>placement of inlay</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA	
Dental Material - Indirect Restorations							
Procedure Occurance							
NA							
NA							
<p>inlay repair necessitated by restorative material failure</p>	<p>repair of inlay</p>	<table border="1"> <tr><td>Dental Material - Direct Restorations</td></tr> <tr><td>Bonding Agent Application</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Direct Restorations	Bonding Agent Application	NA	NA	<p>exclude "gold foil"</p>
Dental Material - Direct Restorations							
Bonding Agent Application							
NA							
NA							
<p>new procedure</p>	<p>fabrication of onlay</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	<p>exclude "cast from physical impression"; "Digital Scan"; "Prefabricated"</p>
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
<p>onlay - metallic - two surfaces</p> <p>onlay - metallic - three surfaces</p> <p>onlay - metallic - four or more surfaces</p> <p>onlay - porcelain/ceramic - two surfaces</p> <p>onlay - porcelain/ceramic - three surfaces</p> <p>onlay - porcelain/ceramic - four or more surfaces</p> <p>onlay - resin-based composite - two surfaces</p> <p>onlay - resin-based composite - three surfaces</p> <p>onlay - resin-based composite - four or more surfaces</p> <p>re-cement or re-bond inlay, onlay, veneer or partial coverage restoration</p>	<p>placement of onlay</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA	
Dental Material - Indirect Restorations							
Procedure Occurance							
NA							
NA							
<p>onlay repair necessitated by restorative material failure</p>	<p>repair of onlay</p>	<table border="1"> <tr><td>Dental Material - Direct Restorations</td></tr> <tr><td>Bonding Agent Application</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Direct Restorations	Bonding Agent Application	NA	NA	
Dental Material - Direct Restorations							
Bonding Agent Application							
NA							
NA							
<p>new procedure</p>	<p>fabrication of temporary full crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	<p>Metallic; acrylic;</p>
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
<p>new procedure</p>	<p>placement of temporary full crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Fabrication modality</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Fabrication modality	Procedure Occurance	NA	<p>Metallic; acrylic;</p>
Dental Material - Indirect Restorations							
Fabrication modality							
Procedure Occurance							
NA							

RESTORATIVE

<p>new procedure prefabricated porcelain/ceramic crown – permanent tooth* prefabricated porcelain/ceramic crown – primary tooth* prefabricated stainless steel crown - primary tooth* prefabricated stainless steel crown - permanent tooth* prefabricated resin crown* prefabricated stainless steel crown with resin window* prefabricated esthetic coated stainless steel crown - primary tooth*</p>	<p>fabrication of full crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
<p>resin-based composite crown, anterior crown - resin-based composite (indirect) crown - resin with high noble metal crown - resin with predominantly base metal crown - resin with noble metal crown - porcelain/ceramic crown - porcelain fused to high noble metal crown - porcelain fused to predominantly base metal crown - porcelain fused to noble metal crown - porcelain fused to titanium and titanium alloys crown - full cast high noble metal crown - full cast predominantly base metal crown - full cast noble metal crown - titanium and titanium alloys prefabricated porcelain/ceramic crown – permanent tooth* prefabricated porcelain/ceramic crown – primary tooth* prefabricated stainless steel crown - primary tooth* prefabricated stainless steel crown - permanent tooth* prefabricated resin crown* prefabricated stainless steel crown with resin window* prefabricated esthetic coated stainless steel crown - primary tooth* re-cement or re-bond crown*</p>	<p>placement of full crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA	
Dental Material - Indirect Restorations							
Procedure Occurance							
NA							
NA							
<p>crown repair necessitated by restorative material failure</p>	<p>repair of crown</p>	<table border="1"> <tr><td>Dental Material - Direct Restorations</td></tr> <tr><td>Bonding Agent Application</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Direct Restorations	Bonding Agent Application	NA	NA	
Dental Material - Direct Restorations							
Bonding Agent Application							
NA							
NA							
<p>new procedure</p>	<p>fabrication of unicast implant supported crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
<p>new procedure</p>	<p>placement of unicast implant supported crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Implant Crown Retention Design</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Implant Crown Retention Design	Procedure Occurance	NA	
Dental Material - Indirect Restorations							
Implant Crown Retention Design							
Procedure Occurance							
NA							
<p>new procedure</p>	<p>fabrication of abutment supported crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
<p>abutment supported porcelain/ceramic crown abutment supported porcelain fused to metal crown (high noble metal) abutment supported porcelain fused to metal crown (predominantly base metal) abutment supported porcelain fused to metal crown (noble metal) abutment supported cast metal crown (high noble metal) abutment supported cast metal crown (predominantly base metal) abutment supported cast metal crown (noble metal) abutment supported crown - titanium and titanium alloys re-cement or re-bond implant/abutment supported crown*</p>	<p>placement of abutment supported crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Implant Crown Retention Design</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Implant Crown Retention Design	Procedure Occurance	NA	
Dental Material - Indirect Restorations							
Implant Crown Retention Design							
Procedure Occurance							
NA							

RESTORATIVE

new procedure	fabrication of implant supported crown	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
implant supported porcelain/ceramic crown implant supported crown - porcelain fused to high noble alloys implant supported crown - high noble alloys implant supported crown - porcelain fused to predominantly base alloys implant supported crown - porcelain fused to noble alloys implant supported crown - porcelain fused to titanium and titanium alloys implant supported crown - predominantly base alloys implant supported crown - noble alloys implant supported crown - titanium and titanium alloys abutment supported crown - porcelain fused to titanium and titanium alloys re-cement or re-bond implant/abutment supported crown*	placement of implant supported crown	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Implant Crown Retention Design</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Implant Crown Retention Design	Procedure Occurance	NA	
Dental Material - Indirect Restorations							
Implant Crown Retention Design							
Procedure Occurance							
NA							
new procedure	fabrication of 3/4 crown	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
crown - ¼ resin-based composite (indirect) crown - 3/4 cast high noble metal crown - 3/4 cast predominantly base metal crown - 3/4 cast noble metal crown - 3/4 porcelain/ceramic re-cement or re-bond inlay, onlay, veneer or partial coverage restoration*	placement of 3/4 crown	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA	
Dental Material - Indirect Restorations							
Procedure Occurance							
NA							
NA							
new procedure	fabrication of interim crown	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
interim crown – further treatment or completion of diagnosis necessary prior to final impression create a separete fabrication procedure	placement of interim crown	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA	
Dental Material - Indirect Restorations							
Procedure Occurance							
NA							
NA							
new procedure	fabrication of interim implant crown	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
interim implant crown	placement of interim implant crown	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA	
Dental Material - Indirect Restorations							
Procedure Occurance							
NA							
NA							
new procedure	fabrication of retainer - resin bonded	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
retainer - cast metal for resin bonded fixed prosthesis retainer - porcelain/ceramic for resin bonded fixed prosthesis resin retainer – for resin bonded fixed prosthesis	placement of retainer - resin bonded	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA	
Dental Material - Indirect Restorations							
Procedure Occurance							
NA							
NA							

RESTORATIVE

new procedure	fabrication of retainer inlay	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA
Dental Material - Indirect Restorations						
Modality of Fabrication						
Dental Laboratory Setting						
NA						
retainer inlay - porcelain/ceramic, two surfaces retainer inlay - porcelain/ceramic, three or more surfaces retainer inlay - cast high noble metal, two surfaces retainer inlay - cast high noble metal, three or more surfaces retainer inlay - cast predominantly base metal, two surfaces retainer inlay - cast predominantly base metal, three or more surfaces retainer inlay - cast noble metal, two surfaces retainer inlay - cast noble metal, three or more surfaces	placement of retainer inlay	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA
Dental Material - Indirect Restorations						
Procedure Occurance						
NA						
NA						
new procedure	fabrication of retainer onlay	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA
Dental Material - Indirect Restorations						
Modality of Fabrication						
Dental Laboratory Setting						
NA						
retainer onlay - porcelain/ceramic, two surfaces retainer onlay - porcelain/ceramic, three or more surfaces retainer onlay - cast high noble metal, two surfaces retainer onlay - cast high noble metal, three or more surfaces retainer onlay - cast predominantly base metal, two surfaces retainer onlay - cast predominantly base metal, three or more surfaces retainer onlay - cast noble metal, two surfaces retainer onlay - cast noble metal, three or more surfaces retainer inlay - titanium retainer onlay - titanium	placement of retainer onlay	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA
Dental Material - Indirect Restorations						
Procedure Occurance						
NA						
NA						
new procedure	fabrication of retainer crown	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA
Dental Material - Indirect Restorations						
Modality of Fabrication						
Dental Laboratory Setting						
NA						
retainer crown - indirect resin based composite retainer crown - resin with high noble metal retainer crown - resin with predominantly base metal retainer crown - resin with noble metal retainer crown - porcelain/ceramic retainer crown - porcelain fused to high noble metal retainer crown - porcelain fused to predominantly base metal retainer crown - porcelain fused to noble metal retainer crown - porcelain fused to titanium and titanium alloys retainer crown - full cast high noble metal retainer crown - full cast predominantly base metal retainer crown - full cast noble metal retainer crown - titanium and titanium alloys	placement of retainer crown	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA
Dental Material - Indirect Restorations						
Procedure Occurance						
NA						
NA						
new procedure	fabrication of abutment supported retainer crown	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA
Dental Material - Indirect Restorations						
Modality of Fabrication						
Dental Laboratory Setting						
NA						
abutment supported retainer for porcelain/ceramic FPD abutment supported retainer for porcelain fused to metal FPD (high noble metal) abutment supported retainer for porcelain fused to metal FPD (predominantly base metal) abutment supported retainer for porcelain fused to metal FPD (noble metal) abutment supported retainer for cast metal FPD (high noble metal) abutment supported retainer for cast metal FPD (predominantly base metal) abutment supported retainer for cast metal FPD (noble metal) abutment supported retainer crown for FPD – titanium and titanium alloys abutment supported retainer - porcelain fused to titanium and titanium alloys	placement of abutment supported retainer crown	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Implant Crown Retention Design</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Implant Crown Retention Design	Procedure Occurance	NA
Dental Material - Indirect Restorations						
Implant Crown Retention Design						
Procedure Occurance						
NA						

RESTORATIVE

<p>new procedure</p>	<p>fabrication of implant supported retainer crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
<p>implant supported retainer for ceramic FPD implant supported retainer for FPD - porcelain fused to high noble alloys implant supported retainer for metal FPD - high noble alloys implant supported retainer – porcelain fused to titanium and titanium alloys implant supported retainer for metal FPD – predominantly base alloys implant supported retainer for metal FPD – noble alloys implant supported retainer for metal FPD – titanium and titanium alloys implant supported retainer - porcelain fused to predominantly base alloys implant supported retainer for FPD - porcelain fused to noble alloys</p>	<p>placement of implant supported retainer crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Implant Crown Retention Design</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Implant Crown Retention Design	Procedure Occurance	NA	
Dental Material - Indirect Restorations							
Implant Crown Retention Design							
Procedure Occurance							
NA							
<p>new procedure</p>	<p>fabrication of retainer 3/4 crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
<p>retainer crown - 3/4 cast high noble metal retainer crown - 3/4 cast predominantly base metal retainer crown - 3/4 cast noble metal retainer crown - 3/4 porcelain/ceramic retainer crown ¾ - titanium and titanium alloys</p>	<p>placement of retainer 3/4 crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA	
Dental Material - Indirect Restorations							
Procedure Occurance							
NA							
NA							
<p>new procedure</p>	<p>fabrication of interim retainer crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
<p>interim retainer crown - further treatment or completion of diagnosis necessary prior to final impression</p>	<p>placement of interim retainer crown</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA	
Dental Material - Indirect Restorations							
Procedure Occurance							
NA							
NA							
<p>new procedure</p>	<p>fabrication of pontic</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
<p>pontic - indirect resin based composite pontic - cast high noble metal pontic - cast predominantly base metal pontic - cast noble metal pontic - titanium and titanium alloys pontic - porcelain fused to high noble metal pontic - porcelain fused to predominantly base metal pontic - porcelain fused to noble metal pontic - porcelain fused to titanium and titanium alloys pontic - porcelain/ceramic pontic - resin with high noble metal pontic - resin with predominantly base metal pontic - resin with noble metal</p>	<p>placement of pontic</p>	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA	<p>cast metal; porcelain/ceramic; resin</p>
Dental Material - Indirect Restorations							
Procedure Occurance							
NA							
NA							

RESTORATIVE

new procedure	fabrication of interim pontic	Dental Material - Indirect Restorations Modality of Fabrication Dental Laboratory Setting NA	
interim pontic - further treatment or completion of diagnosis necessary prior to final impression	placement of interim pontic	Dental Material - Indirect Restorations Procedure Occurance NA NA	
post removal	removal of post	NA NA NA NA	
new procedure	fabrication of veneer	Dental Material - Indirect Restorations Modality of Fabrication Dental Laboratory Setting NA	
labial veneer (resin laminate) - direct labial veneer (resin laminate) - indirect labial veneer (porcelain laminate) - indirect re-cement or re-bond inlay, onlay, veneer or partial coverage restoration*	placement of veneer	Dental Material - Indirect Restorations Procedure Occurance NA NA	cast metal; porcelain/ceramic; resin
veneer repair necessitated by restorative material failure	repair of veneer	Dental Material - Direct Restorations Bonding Agent Application NA NA	exclude "gold foil"
additional procedures to customize a crown to fit under an existing partial denture framework	additional procedures to customize a crown to fit under an existing partial denture framework	Customized Crown Procedures Dental Laboratory Setting NA NA	Surveyor; Milling; Fabrication; Telescoping;
new procedure	fabrication of coping	Material Modality of Fabrication Dental Laboratory Setting NA	gold; metallic; ceramic
coping	placement of coping	Material Procedure Occurance NA NA	gold; metallic; ceramic

RESTORATIVE

new procedure	fabrication of abutment	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	gold; high noble, noble; titanium; ceramic
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
prefabricated abutment – includes modification and placement custom fabricated abutment – includes placement	placement of abutment	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Procedure Occurance	NA	gold; high noble, noble; titanium; ceramic
Dental Material - Indirect Restorations							
Modality of Fabrication							
Procedure Occurance							
NA							
new procedure	fabrication of attachment	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Retentive Component Design</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> </table>	Dental Material - Indirect Restorations	Retentive Component Design	Modality of Fabrication	Dental Laboratory Setting	gold; high noble, noble; titanium; ceramic
Dental Material - Indirect Restorations							
Retentive Component Design							
Modality of Fabrication							
Dental Laboratory Setting							
semi-precision abutment – placement semi-precision attachment – placement precision attachment, by report precision attachment replacement of replaceable part of semi-precision or precision attachment, per attachment replacement of replaceable part of semi-precision or precision attachment of implant/abutment supported prosthesis, per attachment	placement of attachment	<table border="1"> <tr><td>Precision vs. Semi-precision</td></tr> <tr><td>Attachment Location</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> </table>	Precision vs. Semi-precision	Attachment Location	Procedure Occurance	NA	
Precision vs. Semi-precision							
Attachment Location							
Procedure Occurance							
NA							
new procedure	fabrication of interim implant abutment	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Modality of Fabrication</td></tr> <tr><td>Dental Laboratory Setting</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Modality of Fabrication	Dental Laboratory Setting	NA	
Dental Material - Indirect Restorations							
Modality of Fabrication							
Dental Laboratory Setting							
NA							
interim implant abutment placement	placement of interim implant abutment	<table border="1"> <tr><td>Dental Material - Indirect Restorations</td></tr> <tr><td>Procedure Occurance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Dental Material - Indirect Restorations	Procedure Occurance	NA	NA	
Dental Material - Indirect Restorations							
Procedure Occurance							
NA							
NA							
remove interim implant component	removal of interim implant abutment	<table border="1"> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	NA	NA	NA	NA	
NA							
NA							
NA							
NA							
repair implant abutment, by report	repair of implant abutment	<table border="1"> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	NA	NA	NA	NA	
NA							
NA							
NA							
NA							

Assumptions:

surface count can be captured through number of surfaces listed for "tooth surface"
 "preventive resin restoration in a moderate to high caries risk patient – permanent tooth" - can capture "caries risk" by using ICD-10-CM code

Implementation Guideline Considerations:

Vendors - Encourage creation of macros for commonly used materials or "post-coordinated procedural concepts" to enhance UX for in-office documentation
 Number of tooth surfaces can be captured through area of the oral cavity codes
 Anesthetic is a separate procedure

Encounter Codes - Global

Framework guidelines:

1. A dental procedure code modifier would be documented and reported in conjunction with a dental procedure code that is in the current five-
2. All modifiers would be in the HIPAA standard two-character alpha-numeric
3. Up to four discrete modifiers may be reported with a single CDT code.
4. Non-duplication of information reportable with other named code sets (e.g., area of oral cavity; quantity; diagnosis)

Navigating this spreadsheet:

Column B shows the current nomenclature

Column C shows what we've condensed the procedures/nomenclatures down to within each set. The first example shows three new nomenclatures created from the list of current procedures in column B

Column D contains the modifiers. Each modifier category or group has a dropdown box of the actual modifiers we have come up with. Feel free to explore the dropdown boxes to see the different modifiers (only if viewing in Excel format).

Column E contains lists of suggested modifiers if the drop down box has not yet been populated as well as notes on decision tree logic and other considerations

Note: If you actually "select" a modifier when you click on a dropdown box in Excel, you'll lose the label for that modifier category and it will then only display whatever modifier you selected. You can get the label back if you click "undo".

Keep in Mind

Individual modifiers listed are examples of potential content and serve as placeholders to visualize the greater architecture of the Enhanced CDT. Focus should not be on the content and accuracy of each list of modifiers, rather focus should be on the greater concept of using modifiers in the Enhanced CDT. A formal process for selection and inclusion of each individual modifier is a future step in the Enhanced CDT project.

Current Nomenclature	B	C	D	E				
Current Nomenclature		New Nomenclature	Modifiers	Notes/Logic/Attributes				
New Code dental case management - patients with special health care needs		Exceptional Encounter Circumstance	<table border="1"> <tr><td>Exceptional Encounter Circumstance</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Exceptional Encounter Circumstance	NA	NA	NA	
Exceptional Encounter Circumstance								
NA								
NA								
NA								
certified translation or sign-language services – per visit		translation or sign-language services	<table border="1"> <tr><td>Certification Status</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> <tr><td>NA</td></tr> </table>	Certification Status	NA	NA	NA	
Certification Status								
NA								
NA								
NA								

Beginning on this page is the master list of modifiers used to populate the dropdown boxes in Excel.

REMINDER: Individual modifiers listed are examples of potential content and serve as placeholders to visualize the greater architecture of the Enhanced CDT. Focus should not be on the content and accuracy of each list of modifiers, rather focus should be on the greater concept of using modifiers in the Enhanced CDT. A formal process for selection and inclusion of each individual modifier is a future step in the Enhanced CDT project.

Oral Examination Type	Re-Evaluation Type	Consultation Type	Exceptional Encounter Cii	Dental Case Management Type	Certification Status	Ionizing Radiographic 2D Image Medium	2D Photographic Image Medium
Periodic	Not Post-operative	Professional to Professional	Regular Hours - Emergency	Addressing appointment compliance barriers	Certified	Digital	Digital - Intraoral Camera
Comprehensive	Post-operative	Patient to Professional	After Hours - Emergency	Care coordination	Not Certified	Film	Digital - Extraoral Camera
Comprehensive Periodontal		Patient to State Agency	After Hours - Non- emergency	Motivational interviewing			Film
Limited - Problem Focused			Detailed and Extensive	Patient education to improve oral health literacy			Film - Digitized
Under 3yrs of Age			Additional Time Required	Remote Therapeutic Monitoring			
Pre-diagnostic Screening			Asynchronous				
Pre-diagnostic Assessment			Use of specialized equipment for patient with Additional Staff Assistance for patient with special health care needs				

CT Image Medium	Multidimensional Image Medium	Radiographic Image View	2D Photographic Image Type	Multidimensional Image Subject	CT and Tomographic Survey Image Field of View	Contrast	Exposure Sequence
Cone Beam	Photographic Scan	Periapical	Dental	Intraoral - dental	Both jaws; with or without cranium	Contrast Used	TBD 1
Multislice	Laser Scan	Bitewing - Horizontal	Soft Tissue - Intra-oral	Intraoral - soft tissue	Less than one whole Jaw One full dental arch with or w/o cranium		TBD 2
	Multiple Photographs	Comprehensive Series	Soft Tissue - Extra-oral (facial)	Facial			TBD 3
		Bitewing - Vertical	Standard Orthodontic Series?	Dental Model			
		Occlusal		Facial Model			
		Panoramic					
		Posterior Dental					
		Cephalometric					
		Projection image using a stationary radiation source and detector					

Image Modality	Topical Medicament Material	Topical Medicament Form	Dentition Development	Appliance Material	Preventive Counseling Type
2D Ionizing Radiographic Image	Stannous Fluoride	Varnish	Primary	Hard	Nutritional
Tomographic Survey	Acidulated Phosphate Fluoride (APF)	Gel	Transitional	Soft	Tobacco Use
2D Oral/Facial Photographic Image	Silver Fluoride	Foam	Permanent	Hard/Soft	High-Risk Substance Use
CT Image	Sodium Fluoride (NaF)	Aqueous Solution - rinse Aqueous Solution - brush on		Vinyl	Oral Hygiene Instructions
Maxillofacial MRI	CPP-ACP (MI Paste)				
Maxillofacial Ultrasound	Difluorsilane				
Tomosynthesis	Ammonium Fluoride				
Sialoendoscopy	Polyols				
Multidimensional Image - includes laser scan, photographic scan and multiple photographs	Chlorhexidine				
	Calcium Phosphate				
	ACP				
	Nano-hydroxyapatite				
	Tricalcium Phosphate				
	Prebiotics with or without 1.5% arginine				
	Probiotics				
	Silver Nitrate				
	Sodium Bicarbonate				
	Calcium Hydroxide				
	Carbamide Peroxide				
	Thymol				
	Chlorhexidine with Thymol				
Providone-Iodine					
Self assembling peptide					

Procedure Occurance	Modality of Fabrication	Sealant Material	Dental Labor Mounting Method		Analysis of Mounted Case	Appliance Engagement Positioning	Appliance Engagement Material
Initial placement	Cast from physical impressi	Glass Ionomer	Outside denta	Semi Adjustable Articulator	Occlusal	Anterior	Metal
Repair Existing	Digital scan	Resin	In-office denta	Fully Adjustable Articulator	Orthodontic	Posterior	Non-metal
Full Replacement of Existing	Printed from digital scan	Resin modified glass ionomer			Implant Guide		
Retreatment	Hand fabricated	Infiltration resin (ICON)			Endodontic		
Iatrogenic Repair	Milled from digital scan						
Recement	Prefabricated						
Rebond	Material & tray						
Repair - Crown Material Failure							
Repair - Inlay Material Failure							
Repair - Onlay Material Failure							
Repair - Veneer Material Failure							

Dental Material - Direct Restorations	Dental Material - Indirect Restorations	Temporary Restorative Material - Direct	Modality of Impression Capture	Mounting Modality	Articulator Type	Procedure Occurance
Amalgam	Resin-based composite	Zinc Oxide	Material & Tray	Hand manipulated	Semi Adjustable Articulator	Initial placement
Resin-based composite	Titanium and Titanium Alloys	Cavit (brand name)	Digital Scan	Digitally manipulated	Fully Adjustable Articulator	Repair Existing
Resin-modified glass ionomer	Zirconia ceramics	Light cured materials				Full Replacement of Existing
Gold foil	Lithium disilicate	IRM				Retreatment
	Resin composite	Composites				Iatrogenic Repair
	Resin with high noble metal	Telio (brand name)				Recement
	Resin with noble metal					Rebond
	Resin with predominantly base metal					Repair - Crown Material Failure
	Porcelain/ceramic					Repair - Inlay Material Failure
	Porcelain fused to high noble metal					Repair - Onlay Material Failure
	Porcelain fused to predominantly base metal					Repair - Veneer Material Failure
	Porcelain fused to noble metal					
	Porcelain fused to titanium and titanium alloys					
	High noble metal					
	Predominantly base metal					
	Stainless steel					
	Esthetic coated stainless steel					
	Stainless steel with resin window					
	Porcelain laminate					
	Resin laminate					

Bonding Agent Application	Local Anesthetic	Block Anesthesia	Impression Material	Implant Crown Retention Design	Retentive Component Design	Precision/Semi-precision	Attachment Location
Bonding Material - One Step	2% Lidocaine (1:100,000 epi)	Regional	Elastomeric	Screw Retained	Frictional	Precision	Abutment
Bonding Material - Two Step	3% Mepivacaine (plain)	Trigeminal Division	Hydrocolloid	Cement Retained	Extracoronaral	Semi-precision	Removable prosthetic
Bonding Material - Three Step	4% Articaine (1:100,000 epi)		Alginate	Hybrid	Internal		Fixed prosthetic
			Polyvinyl siloxane(PVS)		Keyway		Natural tooth
			Polyether		Parallel		
			Condensation silicone		Resilient		
		Polyether		Slotted			