

## ADA Guide to “Image Capture Only” Procedures and Their Reporting

This guide is published to educate dentists and others in the dental community on selection and reporting of diagnostic imaging procedures documented with “Image Capture Only” codes located in the CDT Code’s Diagnostics (D0100-D0999) category of service.

### Introduction

The Diagnostics category of service’s “Diagnostic Imaging” subcategory has undergone structure and content changes to accommodate evolving techniques for image capture. These changes enable unambiguous reporting of radiographic and photographic image capture and interpretation procedures.

CDT 2013 marked the first notable changes prompted by the expansion of Cone Beam Computed Tomography (CBCT) imaging technology, along with the emergence of stand-alone imaging facilities, into the dental community. In this version:

- 1) The then current diagnostic imaging procedures were placed in a sub-subcategory titled “Image Capture with Interpretation” to formally acknowledge the nature and scope of these well-known and understood procedures (e.g., D0210 for a full mouth series; D0270 for a single bitewing; D0350 for an oral/facial photographic image).
- 2) Three additional sub-subcategories (and codes) were added to enable documentation of procedures where image capture and interpretation were parsed, as follows –
  - a. “Image Capture Only” – Capture by Practitioner not associated with Interpretation and Report”
  - b. “Interpretation and Report Only” – Interpretation and Report by a Practitioner not associated with Image Capture
  - c. “Post Processing of Image or Image Sets” – For separate manipulations of digital imaging data
- 3) The number of diagnostic imaging procedure codes increased to reflect not only the necessary parsing of “capture and interpretation” procedures, but also the variety of discrete CBCT procedures enabled by this imaging technology.

CDT 2021 marked another notable change – an expansion of codes in the “Image Capture Only” category of service. The nine added codes are:

**D0701 panoramic radiographic image – image capture only**

**D0702 2-D cephalometric radiographic image – image capture only**

**D0703 2-D oral/facial photographic image obtained intra-orally or extra-orally – image capture only**

**D0704 3-D photographic image – image capture only**

**D0705 extra-oral posterior dental radiographic image – image capture only**

Image limited to exposure of complete posterior teeth in both dental arches. This is a unique image that is not derived from another image.

**D0706 intraoral – occlusal radiographic image – image capture only**

**D0707 intraoral – periapical radiographic image – image capture only**

**D0708 intraoral – bitewing radiographic image – image capture only**

Image axis may be horizontal or vertical.

**D0709 intraoral – complete series of radiographic images – image capture only**

A radiographic survey of the whole mouth, usually consisting of 14-22 images (periapical and posterior bitewing as indicated) intended to display the crowns and roots of all teeth, periapical areas and alveolar bone.

## Discussion

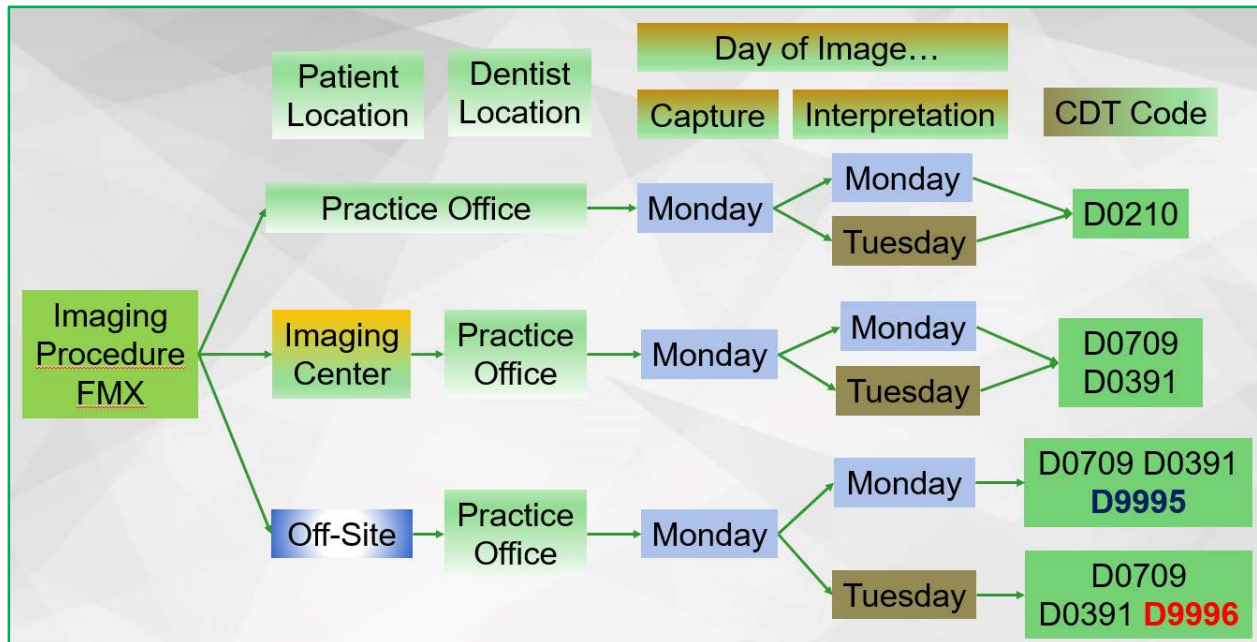
These nine additions do not replace, or duplicate, any of the comparable current “Image Capture with Interpretation” codes (D0210 through D0371) that are used when the procedure is for image capture with interpretation delivered in the same setting.

The new (D0701-D0709) and continuing (D0380-D0386) image capture only codes apply when capture and interpretation are separate procedures and the patient location (image capture) and dentist location (image interpretation) are not the same.

- “Image Capture Only” procedures are **not limited to** patient encounters via teledentistry.
- The image “Interpretation and Report” procedure is reported separately with CDT code **“D0391 interpretation of diagnostic image by a practitioner not associated by capture of the image, including report.”**
- Another key difference – the new codes are per-image procedures, with the number of images captured on the date of service: a) documented in the in the patient record; and b) reported in the claim service line’s “Quantity” field.

## Image Capture and Interpretation Procedure Coding Decision Tree

This decision tree provides guidance on appropriate image capture and interpretation procedure coding for three scenarios – in-practice; imaging center and in-practice; teledentistry. Each scenario will be discussed separately following this decision tree graphic.



### In-Practice Scenario

A patient is in the practice office on Monday for a hygiene appointment during which the hygienist captures a full mouth complete series of radiographic images (aka FMX). These images are interpreted by the dentist in the practice office either on the same day (Monday) or the next day (Tuesday). In this scenario the procedure is properly coded as D0210 because **all aspects of the procedure (image capture and interpretation) are completed within the practice office.**

Please note that: a) it does not matter what day the dentist interprets the images; and b) the date of service is the date on which the dentist interprets the image at which time the D0210 procedure is completed.

### Imaging Center Scenario

Equipment problems within the dentist’s practice necessitate referring a patient of record to an independent imaging center where the radiographs (FMX) are captured. Images are captured on Monday and the dentist receives them on the same day. These images are interpreted by the dentist in the practice office either on the same day (Monday) or the next day (Tuesday). In this scenario the image capture and the interpretation procedures are independent and reported separately.

The capture procedure is documented and reported with code D0709 with Monday’s date as the date of service. Interpretation is reported separately with code D0391 and the date of service dependent on which day the dentist reviews the image (Monday or Tuesday). Proper coding requires use of the two CDT codes because **the image capture procedure and the image interpretation procedure are completed by different individuals**, who in this scenario are also in different locations.

### Teledentistry Scenarios

The patient and practice staff member (e.g., hygienist) are off-site where diagnostic imaging equipment is available (e.g., an extended care facility with a dental operator). **Image capture is on Monday in a real-time environment with the dentist in the practice office.** The dentist receives and interprets the images immediately. Proper procedure coding for this scenario is D0709 for the FMX image capture by the hygienist, D0391 image interpretation and report by the dentist, and “D9995 teledentistry – synchronous; real-time encounter.” The date of service for all three procedures is Monday.

But what if image capture is on Monday and the interpretation is on Tuesday? There are now changes to proper coding and reporting:

- D0709 is again reported for the FMX with Monday as the Date of Service.
- D0391 is also reported, but this time the Date of Service is Tuesday.
- The teledentistry code changes to “D9996 teledentistry – asynchronous; information stored and forwarded to the dentist for subsequent review” with Tuesday as the Date of Service.

## Summary

- a) With one exception (D0709 for an FMX) all “Image Capture Only” procedures address acquisition of a single image.
  - This differs from several codes in the “Image Capture and Interpretation” sub-subcategory that parse procedures by the number of like images captured (e.g., one, two and three bitewings; first periapical and each additional periapical).
- b) There is no “Image Capture Only” procedure for a vertical bitewing image as the descriptor for D0708 states that the image axis may be vertical or horizontal.
- c) For “Image Capture Only” procedures when more than one type of image captured on date of service (e.g., D0708 for a bitewing) the procedure may be reported once and the number of images captured is reported in the claim Quantity field.
  - Date of Service is date of image capture.
- d) Interpretation reported separately with D0391. This is also a per image procedure that is reported once and the number of images interpreted is reported in the claim Quantity field.
  - Date of Service is date of image interpretation.
- e) As noted in the procedure coding decision tree, reporting separate image capture and image interpretation procedures is not limited to a teledentistry encounter.
- f) The following table compares and contrasts the CDT Code entries for procedures reported with “Image Capture Only” codes and their comparable “Image Capture and Interpretation” codes.

NOTE: There are codes in the “Image Capture and Interpretation” sub-subcategory that do not have comparable codes in the “Image Capture Only” sub-subcategory.

Image Capture Only		Image Capture and Interpretation	
D0380	cone beam CT image capture with limited field of view – less than one whole jaw	D0364	cone beam CT image capture and interpretation with limited field of view – less than one whole jaw
D0381	cone beam CT image capture with field of view of one full dental arch – mandible	D0365	cone beam CT image capture and interpretation with field of view of one full dental arch – mandible
D0382	cone beam CT image capture with field of view of one full dental arch – maxilla with or without cranium	D0386	cone beam CT image capture and interpretation with field of view of one full dental arch – maxilla with or without cranium
D0383	cone beam CT image capture with field of view of both jaws, with or without cranium	D0367	cone beam CT image capture and interpretation with field of view of both jaws, with or without cranium
D0384	cone beam CT image capture for TMJ series including two or more exposures	D0368	cone beam CT image capture and interpretation for TMJ series including two or more exposures
D0385	maxillofacial MRI image capture	D0369	maxillofacial MRI image capture and interpretation
D0386	maxillofacial ultrasound image capture	D0370	maxillofacial ultrasound image capture and interpretation
D0701	panoramic radiographic image – image capture only	D0330	panoramic radiographic image
D0702	2-D cephalometric radiographic image – image capture only	D0340	2D cephalometric radiographic image – acquisition, measurement and analysis  Image of the head made using a cephalostat to standardize anatomic positioning, and with reproducible x-ray beam geometry.
D0703	2-D oral/facial photographic image obtained intra-orally or extra-orally – image capture only	D0350	2D photographic image obtained intra-orally or extra-orally
D0704	3-D photographic image – image capture only	D0351	3D photographic image  This procedure is for dental or maxillofacial diagnostic purposes. Not applicable for a CAD-CAM procedure.

Image Capture Only		Image Capture and Interpretation	
<b>D0705</b>	<b>extra-oral posterior dental radiographic image – image capture only</b>  Image limited to exposure of complete posterior teeth in both dental arches. This is a unique image that is not derived from another image.	<b>D0251</b>	<b>extra-oral posterior radiographic image</b>  Image limited to exposure of complete posterior teeth in both dental arches. This is a unique image that is not derived from another image.
<b>D0706</b>	<b>intraoral – occlusal radiographic image – image capture only</b>	<b>D0240</b>	<b>intraoral – occlusal radiographic image</b>
<b>D0707</b>	<b>intraoral – periapical radiographic image – image capture only</b>	<b>D0220</b>	<b>intraoral – first periapical image</b>
		<b>D0230</b>	<b>intraoral – each additional radiographic image</b>
<b>D0708</b>	<b>intraoral – bitewing radiographic image – image capture only</b>  Image axis may be horizontal or vertical.	<b>D0270</b>	<b>bitewing – single radiographic image</b>
		<b>D0272</b>	<b>bitewings – two radiographic images</b>
		<b>D0273</b>	<b>bitewings – three radiographic images</b>
		<b>D0274</b>	<b>bitewings – four radiographic images</b>
		<b>D0277</b>	<b>vertical bitewings – 7 to 8 radiographic images</b>
<b>D0709</b>	<b>intraoral – complete series of radiographic images – image capture only</b>  A radiographic survey of the whole mouth, usually consisting of 14-22 images (periapical and posterior bitewing as indicated) intended to display the crowns and roots of all teeth, periapical areas and alveolar bone.	<b>D0210</b>	<b>intraoral – complete series of radiographic images</b>  A radiographic survey of the whole mouth, usually consisting of 14-22 periapical and posterior bitewing images intended to display the crowns and roots of all teeth, periapical areas and alveolar bone.

**Questions or Assistance?**

Call 800-621-8099 or send an email to [dentalcode@ada.org](mailto:dentalcode@ada.org)

**Notes:**

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- Version History

Date	Version	Remarks – Change Summary
09/15/2020	1	Initial publication