

Implants

Guideline Number: DCG007.08
Effective Date: February 1, 2021

[➔ Instructions for Use](#)

Table of Contents	Page
Coverage Rationale	1
Definitions	2
Applicable Codes	2
Description of Services	4
References	4
Guideline History/Revision Information	5
Instructions for Use	6

Related Dental Policies

- [Surgical Endodontics](#)
- [Surgical Periodontics: Mucogingival Procedures](#)
- [Surgical Periodontics: Regenerative Procedures](#)

Coverage Rationale

Guidelines for implant placement, subsequent implant supported restorations, and necessary treatment of peri-implant defects:

- The implant fixture must be osseointegrated prior to loading with final abutment and/or prosthesis
- Implant must have adequate implant body to crown ratio
- Must not have more than two threads above the alveolar crest
- Implant must not be closer than 1-1.5mm to adjacent roots
- Same day implant placement at time of extraction considered acceptable
- Periodontal health of existing dentition must be favorable
- Long term prognosis must be favorable
- Site is free of infection

Factors to consider in treatment planning for implants:

- Location of tooth/teeth
- Bone quality/quantity
- Periodontal status of remaining natural teeth
- Adequate space exists to appropriately restore the implant
- Patient age (implants generally not indicated for patients under age 15)
- The presence of conditions/treatment that may interfere with the normal healing response. Conditions include, but are not limited to:
 - Chemotherapy
 - Radiation therapy to the head and neck
 - Uncontrolled diabetes and hypertension
 - Recent heart attack or stroke
 - Anticoagulant therapy
 - Blood dyscrasias
 - IV biophosphonate therapy
 - Estrogen deficiency
- Significant psychiatric disorder or impairment
- Intellectual disability
- Lifestyle risk factors:
 - Smoking

- Drug addiction
- Alcoholism

Definitions

Abutment: the fixture that is placed between the implant body (aka implant post) and the restorative prosthesis (e.g., single crown; denture). (ADA)

Dental Implant: A device specially designed to be placed surgically within or on the mandibular or maxillary bone as a means of providing for dental replacement prosthesis. (ADA)

Endosteal (Endosseous): A device placed into the alveolar and basal bone of the mandible or maxilla and transecting only one cortical plate. (ADA)

Epoosteal (Subperiosteal): A subperiosteal implant that conforms to the superior surface of an edentulous area of alveolar bone. (ADA)

Applicable Codes

The following list(s) of procedure and/or diagnosis codes is provided for reference purposes only and may not be all inclusive. Listing of a code in this guideline does not imply that the service described by the code is a covered or non-covered health service. Benefit coverage for health services is determined by the member specific benefit plan document and applicable laws that may require coverage for a specific service. The inclusion of a code does not imply any right to reimbursement or guarantee claim payment. Other Policies and Guidelines may apply.

CDT Code	Description
D6010	Surgical placement of implant body: endosteal implant
D6011	Surgical access to an implant body (second stage implant surgery)
D6012	Surgical placement of interim implant body for transitional prosthesis: endosteal implant
D6013	Surgical placement of mini implant
D6040	Surgical placement: eosteal implant
D6050	Surgical placement: transosteal implant
D6051	Interim abutment
D6055	Connecting bar – implant supported or abutment supported
D6056	Prefabricated abutment – includes modification and placement
D6057	Custom fabricated abutment – includes placement
D6058	Abutment supported porcelain/ceramic crown
D6059	Abutment supported porcelain fused to metal crown (high noble metal)
D6060	Abutment supported porcelain fused to metal crown (predominantly base metal)
D6061	Abutment supported porcelain fused to metal crown (noble metal)
D6062	Abutment supported cast metal crown (high noble metal)
D6063	Abutment supported cast metal crown (predominantly base metal)
D6064	Abutment supported cast metal crown (noble metal)
D6065	Implant supported porcelain/ceramic crown
D6066	Implant supported porcelain fused to high noble alloys
D6067	Implant supported crown high noble alloys
D6068	Abutment supported retainer for porcelain/ceramic FPD*
D6069	Abutment supported retainer for porcelain fused to metal FPD* (high noble metal)

CDT Code	Description
D6070	Abutment supported retainer for porcelain fused to metal FPD* (predominantly base metal)
D6071	Abutment supported retainer for porcelain fused to metal FPD* (noble metal)
D6072	Abutment supported retainer for cast metal FPD* (high noble metal)
D6073	Abutment supported retainer for cast metal FPD* (predominantly base metal)
D6074	Abutment supported retainer for cast metal FPD* (noble metal)
D6075	Implant supported retainer for ceramic FPD*
D6076	Implant supported retainer for FPD* - porcelain fused to high noble alloys
D6077	Implant supported retainer for metal FPD* - high noble alloys
D6080	Implant maintenance procedures when prostheses are removed and reinserted, including cleansing of prostheses and abutments
D6081	Scaling and debridement in the presence of inflammation or mucositis of a single implant, including cleaning of the implant surfaces, without flap entry and closure
D6082	implant supported crown - porcelain fused to predominantly base alloys
D6083	implant supported crown - porcelain fused to noble alloys
D6084	implant supported crown - porcelain fused to titanium and titanium alloys
D6085	Provisional implant crown
D6086	implant supported crown - predominantly base alloys
D6087	implant supported crown - noble alloys
D6088	implant supported crown - titanium and titanium alloys
D6090	Repair implant supported prosthesis, by report
D6091	Replacement of replaceable part of semi-precision or precision attachment (male or female component) of implant/abutment supported prosthesis, per attachment
D6092	Re-cement or re-bond implant/abutment supported crown
D6093	Re-cement or re-bond implant/abutment supported fixed partial denture
D6094	Abutment supported crown - titanium and titanium alloys
D6095	Repair implant abutment, by report
D6096	Remove broken implant retaining screw
D6097	abutment supported crown - porcelain fused to titanium and titanium alloys
D6098	implant supported retainer - porcelain fused to predominantly base alloys
D6099	implant supported retainer for FPD* - porcelain fused to noble alloys
D6100	Implant removal, by report
D6101	Debridement of a peri-implant defect or defects surrounding a single implant, and surface cleaning of the exposed implant surfaces, including flap entry and closure
D6102	Debridement and osseous contouring of a peri-implant defect or defects surrounding a single implant and includes surface cleaning of the exposed implant surfaces, including flap entry and closure
D6103	Bone graft for repair of peri-implant defect - does not include flap entry and closure
D6104	Bone graft at time of implant placement
D6110	Implant/abutment supported removable denture for edentulous arch - maxillary
D6111	Implant/abutment supported removable denture for edentulous arch - mandibular
D6112	Implant/abutment supported removable denture for partially edentulous arch - maxillary
D6113	Implant/abutment supported removable denture for partially edentulous arch - mandibular
D6114	Implant/abutment supported fixed denture for edentulous arch - maxillary
D6115	Implant/abutment supported fixed denture for edentulous arch - mandibular

CDT Code	Description
D6116	Implant/abutment supported fixed denture for partially edentulous arch – maxillary
D6117	Implant/abutment supported fixed denture for partially edentulous arch – mandibular
D6118	Implant/abutment supported interim fixed denture for edentulous arch – mandibular
D6119	Implant/abutment supported interim fixed denture for edentulous arch – maxillary
D6120	implant supported retainer – porcelain fused to titanium and titanium alloys
D6121	implant supported retainer for metal FPD* – predominantly base alloys
D6122	implant supported retainer for metal FPD* – noble alloys
D6123	implant supported retainer for metal FPD* – titanium and titanium alloys
D6190	Radiographic/surgical implant index, by report
D6191	Semi-precision abutment – placement
D6192	Semi-precision attachment – placement
D6194	Abutment supported retainer crown for FPD* – titanium and titanium alloys
D6195	abutment supported retainer – porcelain fused to titanium and titanium alloys
D6199	Unspecified implant procedure, by report

CDT® is a registered trademark of the American Dental Association

*FPD = Fixed Partial Denture

Description of Services

A dental implant is a titanium alloy prosthesis that replaces the roots of teeth lost due to injury or disease. Once integrated into bone (osseointegration), implants are restored with a crown for individual teeth, or as a retainer tooth for an implant supported bridge. Implants may also be used to prevent resorption of existing bone or aid in retention for full and partial removable dentures.

References

- ADA Code on Dental Procedures and Nomenclature (CDT). Glossary of Dental Clinical and Administrative Terms.
- Alfadda SA, Chvartzsайд D, AlFarraj Aldosari A. Clinical outcomes of immediately loaded implant-supported overdentures: A long-term prospective clinical trial. *J Prosthet Dent.* 2019 Jun;121(6):911-915. American Academy of Periodontology (AAP). Position Paper: Dental Implants in Periodontal Therapy (2000).
- American Academy of Periodontology (AAP). Position Paper: Guideline for Periodontal Therapy (2003).
- American Association of Endodontists. AAE Position Statement on Implants.
- American College of Prosthodontics. ACP Position Statement on Dental Implants.
- American Dental Association (ADA) CDT 2020 Dental Procedure Code Book.
- Chrcanovic B.R., Albrektsson T., Wennerberg A. Smoking and dental implants: A systematic review and meta-analysis. *J Dent.* 2015 May; 43(5):487-98.
- Chrcanovic BR, Albrektsson T, Wennerberg A. Diabetes and oral implant failure: a systematic review. *J Dent Res.* 2014 Sep;93(9):859-67.
- Esposito M., Grusovin M.G., Maghaireh H., et al. Interventions for replacing missing teeth: different times for loading dental implants. *Cochrane Database Syst Rev.* 2013 Mar 28; 3:CD003878.
- Esposito M.A., Koukouloupoulou A., Coulthard P., et al. Interventions for replacing missing teeth: Dental implants in fresh extraction sockets (immediate, immediate-delayed and delayed implants). *Cochrane Database Syst Rev.* 2006 Oct 18;(4):CD005968.
- Hwang D., Wang H.L. Medical contraindications to implant therapy: part I: absolute contraindications. *Implant Dent.* 2006 Dec; 15(4):353-60.

Hwang D., Wang H.L. Medical contraindications to implant therapy: part II: relative contraindications. *Implant Dent.* 2007 Mar; 16(1):13-23.

Jung R.E., Zembic A., Pjetursson B.E., et al. Systematic review of the survival rate and the incidence of biological, technical, and aesthetic complications of single crowns on implants reported in longitudinal studies with a mean follow-up of 5 years. *Clin Oral Implants Res.* 2012 Oct;23 Suppl 6:2-21.

Kim HS, Cho HA, Kim YY, Shin H. Implant survival and patient satisfaction in completely edentulous patients with immediate placement of implants: a retrospective study. *BMC Oral Health.* 2018 Dec 18;18(1):219.

Mumcu E, Dayan SÇ. Effect of Smoking and Locations of Dental Implants on Peri-Implant Parameters: 3-Year Follow-Up. *Med Sci Monit.* 2019 Aug 15;25:6104-6109.

Ortega-Martínez J., Pérez-Pascual T., Mareque-Bueno S., et al. Immediate implants following tooth extraction. A systematic review. *Med Oral Patol Oral Cir Bucal.* 2012 Mar 1; 17(2):e251-61.

Romanos GE, Delgado-Ruiz R, Sculean A. Concepts for prevention of complications in implant therapy. *Periodontol 2000.* 2019 Oct;81(1):7-17.

Reichart PA, Schmidt-Westhausen AM, Khongkhunthian P, et al. Dental implants in patients with oral mucosal diseases- a systematic review. *J Oral Rehabil.* 2016 May;43(5):388-99.

Sanda M, Fueki K, Bari PR, et al. Comparison of immediate and conventional loading protocols with respect to marginal bone loss around implants supporting mandibular overdentures: A systematic review and meta-analysis. *Jpn Dent Sci Rev.* 2019 Nov;55(1):20-25

Schropp L, Isidor F. Timing of implant placement relative to tooth extraction. *J Oral Rehabil.* 2008 Jan;35 Suppl 1:33-43.

Sommer M, Zimmermann J, Grize L, Stübinger S. Marginal bone loss one year after implantation: a systematic review of different loading protocols. *Int J Oral Maxillofac Surg.* 2019 Jun 26. pii: S0901-5027(19)31169-5

Smith Nobrega A, Santiago JF Jr, de Faria Almeida DA, et al. Irradiated patients and survival rate of dental implants: A systematic review and meta-analysis. *J Prosthet Dent.* 2016 Dec;116(6):858-866.

Strietzel F.P., Reichart P.A., Kale A., et al. Smoking interferes with the prognosis of dental implant treatment: a systematic review and meta-analysis. *J Clin Periodontol.* 2007 Jun; 34(6):523-44.

Guideline History/Revision Information

Date	Summary of Changes
03/15/2021	<ul style="list-style-type: none"> Updated dental entity brand logo
02/01/2021	<p>Coverage Rationale</p> <ul style="list-style-type: none"> Revised guidelines for implant placement, subsequent implant supported restorations, and necessary treatment of peri-implant defects; replaced criterion requiring: <ul style="list-style-type: none"> “The implant fixture must be osseointegrated prior to loading with final prosthesis” with the implant fixture must be osseointegrated prior to loading with final <i>abutment and/or</i> prosthesis” “Site is free of <i>acute</i> infection” with “site is free of infection” Revised list of factors to consider in treatment planning for implants: <ul style="list-style-type: none"> Added: <ul style="list-style-type: none"> Lifestyle risk factor; alcoholism Removed: <ul style="list-style-type: none"> Anticoagulant therapy Myocardial infarction within 6 months of an attack Patient cost Severe blood diseases Severe neuropsychiatric Replaced: <ul style="list-style-type: none"> “Periodontal status” with “periodontal status <i>of remaining natural teeth</i>” “Restorability” with “adequate space exists to appropriately restore the implant” “Patient age (implants not <i>appropriate</i> for patients under age 15) with “patient age (implants <i>generally not indicated</i> for patients under age 15)

Date	Summary of Changes
	<ul style="list-style-type: none"> ▪ “Patient undergoing strong chemotherapy” with “the presence of conditions/treatments that may interfere with the normal healing response, conditions include, but are not limited to: <ul style="list-style-type: none"> - Chemotherapy - Radiation therapy to the head and neck - Uncontrolled diabetes and hypertension - Recent heart attack or stroke - Anticoagulant therapy - Blood dyscrasias - IV biophosphonate therapy - Estrogen deficiency” ▪ “Severe neuropsychiatric disease” with “significant psychiatric disorder or impairment” ▪ “<i>Mental</i> disability” with “<i>intellectual</i> disability” ▪ “<i>Narcotic</i> drug addiction” with “drug addiction” ▪ “<i>Systemic</i> risk factors” with “<i>lifestyle</i> risk factors” <p>Definitions</p> <ul style="list-style-type: none"> ● Added definition of “Abutment” ● Revised definition of “Dental Implant” <p>Supporting Information</p> <ul style="list-style-type: none"> ● Updated <i>Description of Services</i> and <i>References</i> section to reflect the most current information ● Archived previous policy version DCG007.07

Instructions for Use

This Dental Coverage Guideline provides assistance in interpreting UnitedHealthcare standard dental benefit plans. When deciding coverage, the member specific benefit plan document must be referenced as the terms of the member specific benefit plan may differ from the standard dental plan. In the event of a conflict, the member specific benefit plan document governs. Before using this guideline, please check the member specific benefit plan document and any applicable federal or state mandates. UnitedHealthcare reserves the right to modify its Policies and Guidelines as necessary. This Dental Coverage Guideline is provided for informational purposes. It does not constitute medical advice.