Disclaimer

The FDA chose a specific outcome algorithm that met its need for a given medical product-outcome assessment. The use of a specific outcome algorithm in a Sentinel assessment should not be interpreted as an endorsement from FDA to use the algorithm for all safety assessments. Investigators should always consider the objective, study design, analytic approach, and data source of a given medical product safety assessment when choosing the outcome algorithm. The suitability of an outcome algorithm may change when applied to different scenarios. For additional information, please refer to the [Best Practices for Conducting and Reporting Pharmacoepidemiologic Safety Studies Using Electronic Healthcare Data](#) guidance document provided by the FDA.

Overview

Title	Temporomandibular Joint Replacement Algorithm Defined in "Osteoporotic Fractures following Lupron Depot-PED Use: A Multiple Factor Matched Analysis"
Request ID	cder_mpl2p_wp011_nsdp_v01
Description	This report lists International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS) and Current Procedural Terminology, Fourth Edition (CPT-4) procedure codes, and algorithms used to define the secondary outcome temporomandibular joint replacement in this request. For additional information about the algorithm and how it was defined relative to the cohort and exposures of interest in the inferential analysis, see the analysis page here: https://www.sentinelinitiative.org/drugs/assessments/osteoporotic-fractures-following-lupron-depot-ped-use-multiple-factor-matched
Outcome	Temporomandibular Joint Replacement
Algorithm to Define Outcome	Evidence of an ICD-9-CM, ICD-10-PCS, or CPT-4 procedure code used to define temporomandibular joint replacement, in any care setting.
Query Period	January 1, 2000 - August 31, 2018
Request Send Date	April 22, 2019

Glossary

Care Setting - type of medical encounter or facility where the exposure, event, or condition code was recorded. Possible care settings include: Inpatient Hospital Stay (IP), Non-Acute Institutional Stay (IS), Emergency Department (ED), Ambulatory Visit (AV), and Other Ambulatory Visit (OA). For laboratory results, possible care settings include: Emergency department (E), Home (H), Inpatient (I), Outpatient (O), or Unknown or missing (U)

Outcome - outcome of interest (either primary or secondary)

Principal Diagnosis (PDX) - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. 'P' = principal diagnosis, 'S' = secondary diagnosis, 'X' = unspecified diagnosis, '.' = blank. Along with the Care Setting values, forms the Caresetting/PDX parameter.

Query Period - period in which the modular program looks for exposures and outcomes of interest

Request Send Date - date the request was sent to Sentinel Data Partners

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Procedure Codes Used to Define Temporomandibular Joint Replacement in this Request

Codes	Description	Code Type	Code Category
76.5	Temporomandibular arthroplasty	ICD-9-CM	Procedure
21240	Arthroplasty, temporomandibular joint, with or without autograft (includes obtaining graft)	CPT-4	Procedure
21242	Arthroplasty, temporomandibular joint, with allograft	CPT-4	Procedure
21243	Arthroplasty, temporomandibular joint, with prosthetic joint replacement	CPT-4	Procedure
0RQC0ZZ	Repair Right Temporomandibular Joint, Open Approach	ICD-10-PCS	Procedure
0RQC3ZZ	Repair Right Temporomandibular Joint, Percutaneous Approach	ICD-10-PCS	Procedure
0RQC4ZZ	Repair Right Temporomandibular Joint, Percutaneous Endoscopic Approach	ICD-10-PCS	Procedure
0RQD0ZZ	Repair Left Temporomandibular Joint, Open Approach	ICD-10-PCS	Procedure
0RQD3ZZ	Repair Left Temporomandibular Joint, Percutaneous Approach	ICD-10-PCS	Procedure
0RQD4ZZ	Repair Left Temporomandibular Joint, Percutaneous Endoscopic Approach	ICD-10-PCS	Procedure
0RRC07Z	Replacement of Right Temporomandibular Joint with Autologous Tissue Substitute, Open Approach	ICD-10-PCS	Procedure
0RRC0JZ	Replacement of Right Temporomandibular Joint with Synthetic Substitute, Open Approach	ICD-10-PCS	Procedure
0RRC0KZ	Replacement of Right Temporomandibular Joint with Nonautologous Tissue Substitute, Open Approach	ICD-10-PCS	Procedure
0RRD07Z	Replacement of Left Temporomandibular Joint with Autologous Tissue Substitute, Open Approach	ICD-10-PCS	Procedure
0RRD0JZ	Replacement of Left Temporomandibular Joint with Synthetic Substitute, Open Approach	ICD-10-PCS	Procedure
0RRD0KZ	Replacement of Left Temporomandibular Joint with Nonautologous Tissue Substitute, Open Approach	ICD-10-PCS	Procedure
0RUC07Z	Supplement Right Temporomandibular Joint with Autologous Tissue Substitute, Open Approach	ICD-10-PCS	Procedure
0RUC0JZ	Supplement Right Temporomandibular Joint with Synthetic Substitute, Open Approach	ICD-10-PCS	Procedure
0RUC0KZ	Supplement Right Temporomandibular Joint with Nonautologous Tissue Substitute, Open Approach	ICD-10-PCS	Procedure
0RUC37Z	Supplement Right Temporomandibular Joint with Autologous Tissue Substitute, Percutaneous Approach	ICD-10-PCS	Procedure
0RUC3JZ	Supplement Right Temporomandibular Joint with Synthetic Substitute, Percutaneous Approach	ICD-10-PCS	Procedure
0RUC3KZ	Supplement Right Temporomandibular Joint with Nonautologous Tissue Substitute, Percutaneous Approach	ICD-10-PCS	Procedure
0RUC47Z	Supplement Right Temporomandibular Joint with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-PCS	Procedure
0RUC4JZ	Supplement Right Temporomandibular Joint with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-PCS	Procedure
0RUC4KZ	Supplement Right Temporomandibular Joint with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-PCS	Procedure

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Procedure Codes Used to Define Temporomandibular Joint Replacement in this Request

Codes	Description	Code Type	Code Category
0RUD07Z	Supplement Left Temporomandibular Joint with Autologous Tissue Substitute, Open Approach	ICD-10-PCS	Procedure
0RUD0JZ	Supplement Left Temporomandibular Joint with Synthetic Substitute, Open Approach	ICD-10-PCS	Procedure
0RUD0KZ	Supplement Left Temporomandibular Joint with Nonautologous Tissue Substitute, Open Approach	ICD-10-PCS	Procedure
0RUD37Z	Supplement Left Temporomandibular Joint with Autologous Tissue Substitute, Percutaneous Approach	ICD-10-PCS	Procedure
0RUD3JZ	Supplement Left Temporomandibular Joint with Synthetic Substitute, Percutaneous Approach	ICD-10-PCS	Procedure
0RUD3KZ	Supplement Left Temporomandibular Joint with Nonautologous Tissue Substitute, Percutaneous Approach	ICD-10-PCS	Procedure
0RUD47Z	Supplement Left Temporomandibular Joint with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-PCS	Procedure
0RUD4JZ	Supplement Left Temporomandibular Joint with Synthetic Substitute, Percutaneous Endoscopic Approach	ICD-10-PCS	Procedure
0RUD4KZ	Supplement Left Temporomandibular Joint with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	ICD-10-PCS	Procedure
21240	Arthroplasty, temporomandibular joint, with or without autograft (includes obtaining graft)	CPT-4	Procedure
21242	Arthroplasty, temporomandibular joint, with allograft	CPT-4	Procedure
21243	Arthroplasty, temporomandibular joint, with prosthetic joint replacement	CPT-4	Procedure