

Home Health ICD-10 Coding Update - 2023

Presenters:

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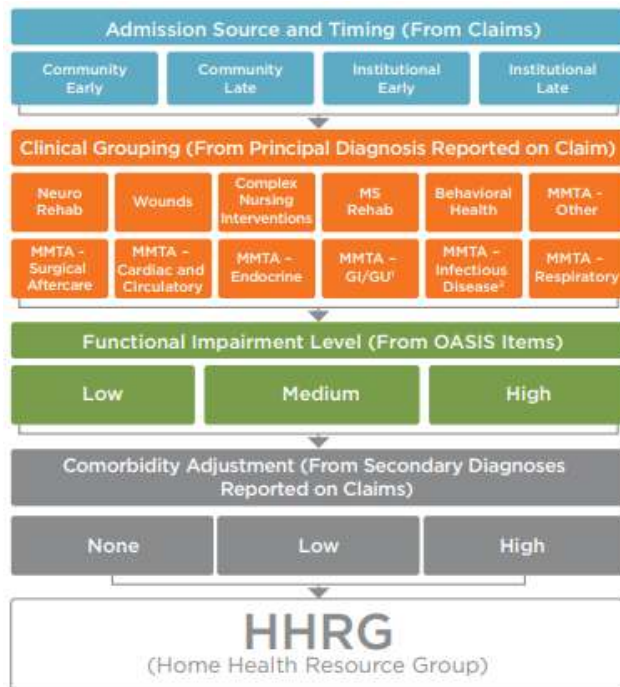
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Case Mix Variables in the PDGM



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Patient Driven Groupings Model (PDGM)

Medication Management, Teaching and Assessment (MMTA)

- MMTA – Surgical Aftercare
- MMTA – Cardiac/Circulatory
- MMTA – Endocrine
- MMTA – GI/GU
- MMTA – Infectious & Blood-forming Diseases/Neoplasms
- MMTA – Respiratory
- MMTA – Other

- Neuro Rehab
- Wounds
- Complex Nursing Interventions
- Musculoskeletal (MS) Rehab
- Behavioral Health



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TABLE 6: PDGM CLINICAL GROUPS

CLINICAL GROUP	PRIMARY REASON FOR HOME HEALTH ENCOUNTER IS TO PROVIDE:
Musculoskeletal Rehabilitation	Therapy (PT/OT/SLP) for a musculoskeletal condition
Neuro/Stroke Rehabilitation	Therapy (PT/OT/SLP) for a neurological condition or stroke
Wounds - Post-Op Wound Aftercare and Skin/ Non-Surgical Wound Care	Assessment, treatment and evaluation of a surgical wound(s); assessment, treatment and evaluation of non-surgical wounds, ulcers burns and other lesions
Behavioral Health Care	Assessment, treatment and evaluation of psychiatric and substance abuse conditions
Complex Nursing Interventions	Assessment, treatment and evaluation of complex medical and surgical conditions including IV, TPN, enteral, nutrition, ventilator, and ostomies
Medication Management, Teaching and Assessment (MMTA)	
MMTA –Surgical Aftercare	Assessment, evaluation, teaching, and medication management for Surgical Aftercare
MMTA – Cardiac/Circulatory	Assessment, evaluation, teaching, and medication management for Cardiac or other circulatory related conditions
MMTA – Endocrine	Assessment, evaluation, teaching, and medication management for Endocrine related conditions
MMTA – GI/GU	Assessment, evaluation, teaching, and medication management for Gastrointestinal or Genitourinary related condition
MMTA – Infectious Disease/Neoplasms/ Blood-forming Diseases	Assessment, evaluation, teaching, and medication management for conditions related to Infectious diseases/Neoplasms/ Blood-forming Diseases
MMTA –Respiratory	Assessment, evaluation, teaching, and medication management for Respiratory related conditions
MMTA – Other	Assessment, evaluation, teaching, and medication management for a variety of medical and surgical conditions not classified in one of the previously listed groups



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Change In Condition in 1st 30-day Period

IMPORTANT - - However, if a patient experiences a significant change in condition before the start of a subsequent, contiguous 30-day period, for example due to a fall; a follow-up assessment would be submitted at the start of a second 30-day period to reflect any changes in the patient's condition, including functional abilities, and the second 30-day claim would be grouped into its appropriate case-mix group accordingly



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Comorbidity Adjustment

Low comorbidity adjustment: There is a reported secondary diagnosis that falls within one of the home-health specific individual comorbidity subgroups associated with higher resource use, or;

- 5.08% increase in case-mix from No to Low

High comorbidity adjustment: There are two or more secondary diagnoses reported that fall within the same comorbidity subgroup interaction that are associated with higher resource use.

- 9.66% increase in case-mix from Low to High



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Comorbidity Adjustment

- No Comorbidity Adjustment
- Low Comorbidity Adjustment
 - One or more of **20** subgroups met (**2023 – 23 subgroups**)
 - Consists of one dx from subgroup
- High Comorbidity Adjustment
 - One or more of 87 subgroup interactions met (**2023 – 94 subgroup interactions**)
 - Consist of one dx from two different subgroup



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Comorbidity Subgroup	Description for Low Comorbidity Subgroups
Cerebral 4	Includes sequelae of cerebral vascular diseases
Circulatory 7	Includes Atherosclerosis, PVD, Aortic Aneurysms & Hypotension
Circulatory 9	Other Venous embolisms and thrombosis
Circulatory 10	Varicose veins and Lymphedema
Endocrine 4	Other Combined Immunodeficiencies and Malnutrition, includes graft-versus-host disease
Heart 10	Dysrhythmias, includes Atrial Fibrillation and Atrial Flutter
Heart 11	Heart failure
Musculoskeletal 1	Lupus
Musculoskeletal 2	Rheumatoid Arthritis

2022
Final Changes
- Low Comorbidity
Adjustment



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Comorbidity Subgroup	Description for Low Comorbidity Subgroups
Neoplasms 1	Malignant Neoplasms of Lip, Oral Cavity and Pharynx, includes Head and Neck Cancers
Neoplasms 2	Malignant Neoplasms of Digestive Organs, includes Gastrointestinal Cancers
Neoplasms 18	Secondary Neoplasms of Urinary and Reproductive Systems, Skin, Brain, and Bone
Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
Neurological 10	Diabetes with Neuropathy
Neurological 11	Diabetic Retinopathy and Macular Edema
Respiratory 9	Respiratory Failure and Atelectasis
Skin 1	Cutaneous Abscess, Cellulitis, and Lymphangitis
Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site

2022 Final Changes - Low Comorbidity Adjustment



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Comorbidity Subgroup	Description for Low Comorbidity Subgroups
Circulatory 2	Hemolytic, Aplastic, and other Anemias
Musculoskeletal 1	Lupus REMOVE 2023
Gastrointestinal 1	Crohn's, Ulcerative Colitis and other Functional Intestinal Disorders
Neoplasms 6	Malignant neoplasms of trachea, bronchus, lung and mediastinum
Neurological 12	Nondiabetic Neuropathy
Respiratory 9	Respiratory Failure and Atelectasis REMOVE 2023
Respiratory 10	2019 Novel Coronavirus

2023 Proposed Changes - Low Comorbidity Adjustment



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Comorbidity Subgroup Interaction	Comorbidity Group	Subgroup Description	Comorbidity Group	Subgroup Description
1	Behavioral 2	Mood Disorders, includes Depression and Bipolar Disorder	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
2	Behavioral 2	Mood Disorders, includes Depression and Bipolar Disorder	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
3	Behavioral 2	Mood Disorders, includes Depression and Bipolar Disorder	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site
4	Behavioral 4	Psychotic, major depressive, and dissociative disorders, includes unspecified dementia, eating disorder and intellectual disabilities	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
5	Behavioral 4	Psychotic, major depressive, and dissociative disorders, includes unspecified dementia, eating disorder and intellectual disabilities	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site
6	Behavioral 4	Psychotic, major depressive, and dissociative disorders, includes unspecified dementia, eating disorder and intellectual disabilities	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
7	Behavioral 5	Phobias, Other Anxiety and Obsessive Compulsive Disorders	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
8	Cerebral 1	Occlusion/Stenosis of Pre-cerebral/Cerebral Arteries without Cerebral Infarction	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae
9	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Neurological 10	Diabetes with Neuropathy
10	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Circulatory 2	Hemolytic, Aplastic, and Other Anemias
11	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Heart 11	Heart Failure

2022 Final High Comorbidity Adjustment Subgroups



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Comorbidity Subgroup Interaction	Comorbidity Group	Subgroup Description	Comorbidity Group	Subgroup Description
12	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
13	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
14	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site
15	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Circulatory 7	Atherosclerosis, includes Peripheral Vascular Disease, Aortic Aneurysms and Hypertension
16	Circulatory 1	Nutritional, Enzymatic, and Other Hereditary Anemias	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
17	Circulatory 1	Nutritional, Enzymatic, and Other Hereditary Anemias	Skin 1	Cutaneous Abscess, Cellulitis, and Lymphangitis
18	Circulatory 1	Nutritional, Enzymatic, and Other Hereditary Anemias	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
19	Circulatory 1	Nutritional, Enzymatic, and Other Hereditary Anemias	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
20	Circulatory 10	Varicose Veins and Lymphedema	Heart 9	Valve Disorders
21	Circulatory 10	Varicose Veins and Lymphedema	Musculoskeletal 3	Joint Pain
22	Circulatory 10	Varicose Veins and Lymphedema	Endocrine 1	Hypothyroidism
23	Circulatory 10	Varicose Veins and Lymphedema	Endocrine 3	Type 1, Type 2, and Other Specified Diabetes
24	Circulatory 10	Varicose Veins and Lymphedema	Respiratory 5	Chronic Obstructive Pulmonary Disease, and Asthma, and Bronchiectasis

2022 Final High Comorbidity Adjustment Subgroups



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Comorbidity Subgroup Interaction	Comorbidity Group	Subgroup Description	Comorbidity Group	Subgroup Description
25	Circulatory 10	Varicose Veins and Lymphedema	Heart 12	Other Heart Diseases
26	Circulatory 10	Varicose Veins and Lymphedema	Neurological 10	Diabetes with Neuropathy
27	Circulatory 10	Varicose Veins and Lymphedema	Heart 11	Heart Failure
28	Circulatory 10	Varicose Veins and Lymphedema	Endocrine 5	Obesity, and Disorders of Metabolism and Fluid Balance
29	Circulatory 10	Varicose Veins and Lymphedema	Heart 10	Dysrhythmias, includes Atrial Fibrillation and Atrial Flutter
30	Circulatory 10	Varicose Veins and Lymphedema	Neurological 11	Diabetic Retinopathy and Macular Edema
31	Circulatory 10	Varicose Veins and Lymphedema	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
32	Circulatory 2	Hemolytic, Aplastic, and Other Anemias	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
33	Circulatory 2	Hemolytic, Aplastic, and Other Anemias	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
34	Circulatory 2	Hemolytic, Aplastic, and Other Anemias	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site
35	Circulatory 4	Hypertensive Chronic Kidney Disease	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
36	Circulatory 4	Hypertensive Chronic Kidney Disease	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
37	Circulatory 7	Atherosclerosis, includes Peripheral Vascular Disease, Aortic Aneurysms and Hypertension	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease

2022 Final High Comorbidity Adjustment Subgroups



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Comorbidity Subgroup Interaction	Comorbidity Group	Subgroup Description	Comorbidity Group	Subgroup Description
38	Circulatory 7	Atherosclerosis, includes Peripheral Vascular Disease, Aortic Aneurysms and Hypertension	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
39	Circulatory 9	Other Venous Embolism and Thrombosis	Neurological 10	Diabetes with Neuropathy
40	Circulatory 9	Other Venous Embolism and Thrombosis	Renal 3	Other disorders of the kidney and ureter, excluding chronic kidney disease and ESRD
41	Circulatory 9	Other Venous Embolism and Thrombosis	Endocrine 4	Other Combined Immunodeficiencies and Malnutrition, includes Graft-Versus-Host-Disease
42	Endocrine 1	Hypothyroidism	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
43	Endocrine 1	Hypothyroidism	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site
44	Endocrine 3	Type 1, Type 2, and Other Specified Diabetes	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
45	Endocrine 3	Type 1, Type 2, and Other Specified Diabetes	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
46	Endocrine 4	Other Combined Immunodeficiencies and Malnutrition, includes Graft-Versus-Host-Disease	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
47	Endocrine 4	Other Combined Immunodeficiencies and Malnutrition, includes Graft-Versus-Host-Disease	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site
48	Endocrine 5	Obesity, and Disorders of Metabolism and Fluid Balance	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
49	Endocrine 5	Obesity, and Disorders of Metabolism and Fluid Balance	Skin 1	Cutaneous Abscess, Cellulitis, and Lymphangitis
50	Endocrine 5	Obesity, and Disorders of Metabolism and Fluid Balance	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia

2022 Final High Comorbidity Adjustment Subgroups



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Comorbidity Subgroup Interaction	Comorbidity Group	Subgroup Description	Comorbidity Group	Subgroup Description
51	Endocrine 5	Obesity, and Disorders of Metabolism and Fluid Balance	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
52	Heart 10	Dysrhythmias, includes Atrial Fibrillation and Atrial Flutter	Skin 1	Cutaneous Abscess, Cellulitis, and Lymphangitis
53	Heart 10	Dysrhythmias, includes Atrial Fibrillation and Atrial Flutter	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site
54	Heart 11	Heart Failure	Skin 1	Cutaneous Abscess, Cellulitis, and Lymphangitis
55	Heart 11	Heart Failure	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
56	Heart 11	Heart Failure	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
57	Heart 12	Other Heart Diseases	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
58	Heart 8	Other Pulmonary Heart Diseases	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
59	Heart 9	Valve Disorders	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
60	Infectious 1	C-diff, MRSA, E-coli, Sepsis	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
61	Infectious 1	C-diff, MRSA, E-coli, Sepsis	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site

2022 Final High Comorbidity Adjustment Subgroups



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Comorbidity Subgroup Interaction	Comorbidity Group	Subgroup Description	Comorbidity Group	Subgroup Description
62	Musculoskeletal 2	Rheumatoid Arthritis	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
63	Musculoskeletal 3	Joint Pain	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
64	Musculoskeletal 3	Joint Pain	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
65	Musculoskeletal 3	Joint Pain	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
66	Musculoskeletal 4	Lumbar Spinal Stenosis	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
67	Musculoskeletal 4	Lumbar Spinal Stenosis	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
68	Neurological 10	Diabetes with Neuropathy	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
69	Neurological 10	Diabetes with Neuropathy	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
70	Neurological 10	Diabetes with Neuropathy	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site
71	Neurological 11	Diabetic Retinopathy and Macular Edema	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site
72	Neurological 4	Alzheimer's Disease and Related Dementias	Respiratory 9	Respiratory Failure and Atelectasis
73	Neurological 4	Alzheimer's Disease and Related Dementias	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
74	Neurological 4	Alzheimer's Disease and Related Dementias	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site

2022 Final High Comorbidity Adjustment Subgroups



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Comorbidity Subgroup Interaction	Comorbidity Group	Subgroup Description	Comorbidity Group	Subgroup Description
75	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease	Renal 3	Other disorders of the kidney and ureter, excluding chronic kidney disease and ESRD
76	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
77	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
78	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia	Renal 3	Other disorders of the kidney and ureter, excluding chronic kidney disease and ESRD
79	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site
80	Renal 1	Chronic Kidney Disease and End Stage Renal Disease	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
81	Renal 1	Chronic Kidney Disease and End Stage Renal Disease	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site
82	Renal 3	Other disorders of the kidney and ureter, excluding chronic kidney disease and ESRD	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site
83	Respiratory 4	Bronchitis, Emphysema, and Interstitial Lung Disease	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
84	Respiratory 5	Chronic Obstructive Pulmonary Disease, and Asthma, and Bronchiectasis	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site
85	Respiratory 9	Respiratory Failure and Atelectasis	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers

2022 Final High Comorbidity Adjustment Subgroups



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Comorbidity Subgroup Interaction	Comorbidity Group	Subgroup Description	Comorbidity Group	Subgroup Description
86	Skin 1	Cutaneous Abscess, Cellulitis, and Lymphangitis	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers
87	Skin 3	Diseases of Arteries, Arterioles and Capillaries with Ulceration and Non-Pressure Chronic Ulcers	Skin 4	Stages Two through Four and Unstageable Pressure Ulcers by Site

2022 Final High Comorbidity Adjustment Subgroups



SEE ATTACHMENTS FOR UPDATED 2023 PROPOSED GROUPS – NOW 94 TOTAL SUBGROUP INTERACTIONS FOR HIGH COMORBIDITY ADJUSTMENT

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Final ICD-10 CM Diagnosis Code Comorbidity Subgroup Reassignments

- After reviewing the requested diseases and disorders for a clinical group or comorbidity subgroup reassignment, CMS finalized the reassignments as seen in Table 13 on the next page.
- CMS did not reassign any clinical group for any ICD-10 CM diagnosis code.
- The final CY 2022 Clinical Group and Comorbidity Adjustment Diagnosis List is posted on the HHA Center webpage

<https://www.cms.gov/Center/Provider-Type/Home-Health-Agency-HHA-Center>



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Final 2022 ICD-10 CM Diagnosis Code Comorbidity Subgroup Reassignments

TABLE 13: FINAL ICD-10 CM DIAGNOSIS CODES COMORBIDITY SUBGROUP REASSIGNMENTS

ICD-10-CM Codes	Current "Old" Comorbidity Subgroup	Reassigned "Final" Comorbidity Subgroup
F02.80, F02.81, F03.90, F03.91, F04, F05, F06.1, F06.8	Neurological 3	Behavioral 4
A40.0, A40.1, A40.3, A40.8, A40.9 A41.01 through A41.53, A41.59, A41.81, A41.89	No Group	Infectious 1
C92.02, C92.42, C92.52, C92.62, C92.A2, C94.40 through C94.42, C94.6, C96.5, C96.6	No Group	Neoplasm 22
E08.41, E09.41	Endocrine 2	Endocrine 2 (no change)
E08.43, E09.43	Endocrine 2	Neurological 10
E10.41, E11.41, E13.41	Endocrine 3	Endocrine 3 (no change)
E10.43, E11.43, E13.43	Endocrine 3	Neurological 10
G60, G61, and G62 subgroups	Neurological 11	Neurological 11 (no change)
I08.0 through I08.3, I08.8, I08.9	No Group	Heart 9
M25.50, M25.519, M25.529, M25.539, M25.549, M25.559, M25.569, M25.579, M25.59	No Group	No Group (no change)
M25.511, M25.512, M25.521, M25.522, M25.531, M25.532, M25.541, M25.542, M25.551, M25.552, M25.561, M25.562, M25.571, M25.572	Musculoskeletal 3	Musculoskeletal 3 (no change)



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Proposed 2023 ICD-10 CM Diagnosis Code Changes - Impact on PDGM

Proposed reassignment of 320 diagnosis codes to a different clinical group when listed as a principal diagnosis, reassignment of 37 diagnosis codes to a different comorbidity subgroup when listed as a secondary diagnosis, and the establishment of a new comorbidity subgroup for certain neurological conditions and disorders.

See Attachments for the full list of 159 codes on Table 1.A of the CY 2023 Proposed Reassignment of ICD-10-CM Diagnosis Codes supplemental file that are unspecified diagnosis codes and being completely removed from the list of acceptable primary diagnoses under PDGM.



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Proposed 2023 ICD-10 CM Diagnosis Code Changes - Impact on PDGM

Proposed Clinical Group Reassignment of Certain Unspecified Diagnosis Codes:

TABLE B17: REASSIGNMENT OF CLINICAL GROUP FOR "UNSPECIFIED" ICD-10-CM DIAGNOSIS CODES

ICD-10-CM Code	Code Description	Reassigned Clinical Group	Reassigned Clinical Group Description
B78.9	Strongyloidiasis, unspecified	K	MMTA - Infectious Disease, Neoplasms, and Blood-Forming Diseases
N83.201	Unspecified ovarian cyst, right side	J	MMTA - Gastrointestinal Tract and Genitourinary System

Propose to reassign the ICD-10-CM diagnosis codes listed in Table B17 - B78.9 from clinical group C (Wounds) **to clinical group K (as shown in table)** & N83.201 from clinical group A (MMTA-Other) **to clinical group J (as shown in table)**.



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Proposed 2023 ICD-10 CM Diagnosis Code Changes - Impact on PDGM

Proposed Clinical Group Reassignment of Lymphedema-Related Codes:

TABLE B19: ICD-10-CM DIAGNOSIS CODE RELATED TO LYMPHEDEMA

ICD-10 CM Diagnosis Code	Code Description	Current Clinical Group	Current Clinical Group Description
189.0	Lymphedema, not elsewhere classified	E	Musculoskeletal Rehabilitation
197.2	Postmastectomy lymphedema syndrome	E	Musculoskeletal Rehabilitation
Q82.0	Hereditary lymphedema	A	MMTA-Other

Proposed Clinical Group Reassignment of Gout-Related Codes:

Propose to assign 144 gout-related ICD-10-CM diagnosis codes to **clinical group E (musculoskeletal rehabilitation)**, where these 144 codes were found in **NO** clinical group currently. See attachment for detail list Table 1.B

Propose to reassign the ICD-10-CM diagnosis codes listed in Table B19 from clinical group E (Musculoskeletal Rehabilitation) and clinical group A (MMTA-Other) to **clinical group C (Wounds)**.



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Proposed 2023 ICD-10 CM Diagnosis Code Changes - Impact on PDGM

TABLE B18: ICD-10-CM DIAGNOSIS CODES RELATED TO CRUSHING INJURY OF FACE, SKULL, AND HEAD

ICD-10-CM Code	Code Description	Current Clinical Group	Current Clinical Group Description
S07.0XXA	Crushing injury of face, initial encounter	A	MMTA-Other
S07.0XXD	Crushing injury of face, subsequent encounter	A	MMTA-Other
S07.0XXS	Crushing injury of face, sequela	A	MMTA-Other
S07.1XXA	Crushing injury of skull, initial encounter	A	MMTA-Other
S07.1XXD	Crushing injury of skull, subsequent encounter	A	MMTA-Other
S07.1XXS	Crushing injury of skull, sequela	A	MMTA-Other
S07.8XXA	Crushing injury of other parts of head, initial encounter	A	MMTA-Other
S07.8XXD	Crushing injury of other parts of head, subsequent encounter	A	MMTA-Other
S07.8XXS	Crushing injury of other parts of head, sequela	A	MMTA-Other
S07.9XXA	Crushing injury of head, part unspecified, initial encounter	A	MMTA-Other
S07.9XXD	Crushing injury of head, part unspecified, subsequent encounter	A	MMTA-Other
S07.9XXS	Crushing injury of head, part unspecified, sequela	A	MMTA-Other

Propose to reassign the ICD-10-CM diagnosis codes listed in Table B18 from clinical group A (MMTA-Other) to **clinical group B (Neurological Rehabilitation)**.



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Proposed 2023 ICD-10 CM Diagnosis Code Changes - Impact on PDGM

Proposed Behavioral Health Comorbidity Subgroups

Propose to reassign diagnosis code F60.5 (obsessive-compulsive personality disorder) from current assignment to subgroup behavioral 6 (Schizotypal, Persistent Mood, and Adult Personality Disorders) **to behavioral 5 (Phobias, Other Anxiety and Obsessive-Compulsive Disorders) when listed as a secondary diagnosis.**

Proposed Circulatory Comorbidity Subgroups

Propose to assign diagnosis code Q82.0 (hereditary lymphedema) **to circulatory 10 (varicose veins and lymphedema) when listed as a secondary diagnosis,** as it is not currently assigned to a subgroup.



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Proposed 2023 ICD-10 CM Diagnosis Code Changes - Impact on PDGM

Proposed Changes to Malignant Neoplasm of Upper Respiratory

Propose to reassign diagnosis codes C30.0, C30.1, C31.0, C31.1, C31.2, C31.3, C31.8, C31.9, C32.0, C32.1, or C32.2 from neoplasm 6 (malignant neoplasms of trachea, bronchus, lung, and mediastinum) **to neoplasm 1 (malignant neoplasms of lip, oral cavity, and pharynx, including head and neck cancers) when listed as a secondary diagnosis.**

Proposed Changes to Malignant Neoplasm of Unspecified Adrenal Gland

Propose to reassign diagnosis codes C74.00 and C74.90 from “NA” **to neoplasm 15 (malignant neoplasm of adrenal gland, endocrine glands and related structures) when listed as secondary diagnoses.**



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Proposed 2023 ICD-10 CM Diagnosis Code Changes - Impact on PDGM

Proposed New Neurological Comorbidity Subgroup & Renaming Neurological 11

Propose to reassign the 18 diagnosis codes listed in Table 1.C of the CY 2023 Proposed Reassignment of ICD–10 CM Diagnosis Codes supplemental file, **to the new comorbidity subgroup neurological 12 (nondiabetic neuropathy)** when listed as secondary diagnoses. In conjunction with the proposed new comorbidity subgroup,

Propose to change the description of the current comorbidity subgroup, neurological 11, from “**Diabetic Retinopathy and Macular Edema**” to “**Disease of the Macula and Blindness/Low Vision**”.



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Proposed 2023 ICD-10 CM Diagnosis Code Changes - Impact on PDGM

Table 1.C of the CY 2023 Proposed Reassignment of ICD–10 CM Diagnosis Codes supplemental file

G13.0	Paraneoplastic neuromyopathy and neuropathy	No_group	Neurological_12
G58.0	Intercostal neuropathy	No_group	Neurological_12
G60.0	Hereditary motor and sensory neuropathy	No_group	Neurological_12
G60.2	Neuropathy in association with hereditary ataxia	No_group	Neurological_12
G60.3	Idiopathic progressive neuropathy	No_group	Neurological_12
G60.8	Other hereditary and idiopathic neuropathies	No_group	Neurological_12
G60.9	Hereditary and idiopathic neuropathy, unspecified	No_group	Neurological_12
G61.1	Serum neuropathy	No_group	Neurological_12
G618.2	Multifocal motor neuropathy	No_group	Neurological_12
G62.0	Drug-induced polyneuropathy	Neurological_11	Neurological_12
G62.1	Alcoholic polyneuropathy	Neurological_11	Neurological_12
G62.2	Polyneuropathy due to other toxic agents	Neurological_11	Neurological_12
G62.81	Critical illness polyneuropathy	Neurological_11	Neurological_12
G62.82	Radiation-induced polyneuropathy	Neurological_11	Neurological_12
G62.89	Other specified polyneuropathies	Neurological_11	Neurological_12
G62.9	Polyneuropathy, unspecified	Neurological_11	Neurological_12
G90.09	Other idiopathic peripheral autonomic neuropathy	No_group	Neurological_12
G99.0	Autonomic neuropathy in diseases classified elsewhere	No_group	Neurological_12



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Proposed 2023 ICD-10 CM Diagnosis Code Changes - Impact on PDGM

Proposed Respiratory Comorbidity Subgroup Changes

Propose to reassign diagnosis code J18.2 (hypostatic pneumonia, unspecified organism) from comorbidity subgroup respiratory 4 (bronchitis, emphysema, and interstitial lung disease) **to respiratory 2 (whooping cough and pneumonia)** when listed as a secondary diagnosis.

Propose to reassign diagnosis codes J98.2, interstitial emphysema and J98.3, compensatory emphysema from comorbidity subgroup respiratory 9 (respiratory failure and atelectasis) **to respiratory 4 (bronchitis, emphysema, and interstitial lung disease)** when listed as a secondary diagnosis.



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Proposed 2023 ICD-10 CM Diagnosis Code Changes - Impact on PDGM

Proposed Comorbidity Subgroup Changes to U09.9 – Post COVID-19 Condition

Propose to reassign diagnosis code U09.9 (post COVID–19 condition, unspecified), from comorbidity subgroup, respiratory 2 (whooping cough and pneumonia) **to respiratory 10 (2019 novel Coronavirus)** when listed as a secondary diagnosis.



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Coding & Face-to-Face Encounter

The #1 denial under Medicare medical review and non-affirmations under the Review Choice Demonstration is directly related to the lack of the primary diagnosis of the patient, as listed on the Plan of Care, having not been treated by the practitioner during the face-to-face encounter and documented as such on the encounter note.

The primary diagnosis/focus of care for home health cannot simply be listed as a diagnosis on the encounter note, it had to be addressed by the practitioner that conducted the visit.

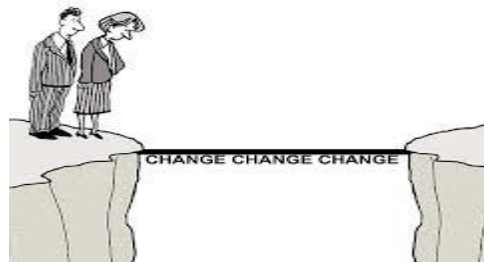


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2023 Coding Changes – Effective 10/1/22

Overview

- 1,176 new codes
- 200+ Tabular and Alpha Index changes
- 28 Revised Codes
- 287 Invalidated Codes
- New Guidelines



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Potential Problem Codes

B37.3	I31.3	N80.0
D59.3	I34.8	N80.1
D68.0	I47.2	N80.2
D75.82	I71.01	N80.3
E34.3	I71.1	N80.4
E87.2	I71.2	N80.5
F01.51	I71.3	Q21.1
F02.81	I71.4	Q21.2
F03.91	I71.5	Q85.8
F43.8	I71.6	Z91.11
G93.3	N14.1	Z91.19

Perinatal

O35

P28

Z87

External

Cause

V20



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Potential Problem Codes

E87.2 Acidosis

- E87.2 > E87.2-

F01.51 Vascular dementia with behavioral disturbance

- F01.51 > F01.51-

F02.81 Dementia in other diseases classified elsewhere with behavioral disturbance

- F02.81 > F02.81-

F03.91 Unspecified dementia with behavioral disturbance

- F03.91 > F03.91-

G93.3 Post viral and related fatigue syndromes

- G93.3 > G93.3-

B37.3 Candidiasis of vulva and vagina

- B37.3 > B37.3-



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Potential Problem Codes

I71 Aortic aneurysm and dissection

- I71.01 > I71.01-
- I71.1 > I71.1-
- I71.2 > I71.2-
- I71.3 > I71.3-
- I71.4 > I71.4-
- I71.5 > I71.5-
- I71.6 > I71.6-

N80 Endometriosis

- N80.0 > N80.0 -
- N80.1 > N80.1--
- N80.2 > N80.2--
- N80.3 > N80.3--
- N80.4 > N80.4 -
- N80.5 > N80.5 --



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Potential Problem Codes

Z91.1 Patient's noncompliance with medical treatment and regimen

- Z91.11 > Z91.11-
- Z91.19 > Z91.19-

I31.3 Pericardial effusion (noninflammatory)

- I31.3 > I31.3-

I34.8 Other nonrheumatic mitral valve disorders

- I34.8 > I34.8-

F43.8 Other reactions to severe stress

- F43.8 > F43.8-

I47.2 Ventricular tachycardia

- I47.2 > I47.2-

N14.1 Nephropathy induced by other drugs, medicaments and biological substances

- N14.1 > N14.1-



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Potential Problem Codes

Q21 Congenital malformations of cardiac septa

- Q21.1 > Q21.1 -
- Q21.2 > Q21.2 -

Q85.8 Other phakomatoses, not elsewhere classified

- Q85.8 > Q85.8-

D59.3 Hemolytic-uremic syndrome

- D59.3 > D59.3-

D68.0 Von Willebrand's disease

- D68.0 > D68.0-

D75.82 Heparin induced thrombocytopenia (HIT)

- D75.82 > D75.82-

E34.3 Short stature due to endocrine disorder

- E34.3 > E34.3-



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Potential Problem Codes- External Cause Codes

V20-V29 Motorcycle rider injured in transport accident

- V20.-XX- to V28.-XX-
- V20.- -X- to V28.- -X-

- V29.0 -X- to V29.8-X-
- V29.0- - - to V29.8- - -

- V29.9XX- > V29.9-X-



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Potential Problem Codes- Perinatal Codes

O35.0 Maternal care for (suspected) central nervous system malformation in fetus

- O35.-XX- > O35.- -X-

P28 Other respiratory conditions originating in the perinatal period

- P28.3 > P28.3-
- P28.4 > P28.4-

Z87.6 Personal history of certain (corrected) conditions arising in the perinatal period

- Z87.76 > Z87.76-



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Addressing Billing Issues

Determine how to update the codes in within the EMR so that the correct codes will be on the claim

- Often this will be outside of the usual diagnosis entry associated with OASIS events
- Often made directly on the claim
- Regulations do not require an order for these changes
 - The diagnosis is the same, the code that represents the diagnosis is changing
 - If unable to find greater specificity, use the default code
 - The EMR may require an order; if so, can it be labeled an “unsigned” order?



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Addressing Billing Issues

- If the change is made on the claim, establish a process for changing
 - Example: billing team identifies, changes the code on the claim to the default
 - Example: billing team identifies, contacts coding team or clinical team, coding or clinical team give the billing team the new code

- It is not appropriate to omit codes that will be changing.
 - COPs state to code all known active diagnoses
 - OASIS, Coding Clinic, PDGM guidance state to code all diagnoses that impact the POC



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Other Changes

- **G31.84 changed**
- **F06.7- added**
 - G31.84 Mild cognitive impairment, so stated
 - G31.84 Mild cognitive impairment of uncertain or unknown etiology
 - F06.7 Mild neurocognitive disorder due to known physiological condition

- **Dementia changed to neurocognitive disorder**
 - G31.09 Other frontotemporal ~~dementia~~
 - G31.09 Other frontotemporal neurocognitive disorder
 - G31.83 ~~Dementia~~ with Lewy bodies
 - G31.83 Neurocognitive disorder with Lewy bodies



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Other Changes

- **F10- F16, F18-F19 (substance disorders, except nicotine) now have -.91 use, uncomplicated, in remission**
 - Prior, F10 (alcohol) did not have .90 or .91
 - F11-F16, F18-F19 did not have .91
- **Z72.89 > F10.90 Alcohol Use, Unspecified, Uncomplicated**
 - But we won't use this code
- Guidelines: These codes are to be used only when the psychoactive substance use is associated with a substance related disorder (chapter 5 disorders such as sexual dysfunction, sleep disorder, or a mental or behavioral disorder) or medical condition, and such a relationship is documented by the provider.



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Other Changes

Coding Clinic: The 'with' convention in the index and in the name of the code in the tabular list do not apply to the conditions related to use, abuse and dependence of substances. The physician or NPP must document the relationship. Physical conditions refer only to those conditions included in Chapter 5 and do not refer to pain, digestive disorders, etc.



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Other Changes

G90.A Postural orthostatic tachycardia syndrome [POTS]

- Chronic orthostatic intolerance
- Postural tachycardia syndrome
- Previously I49.8 Other specified cardiac arrhythmias used for this diagnosis

G93.3- Postviral and related fatigue syndromes

- Use additional code, if applicable, for post COVID-19 condition, unspecified (U09.9)
- **G93.31 Postviral fatigue syndrome**
- **G93.32 Myalgic encephalomyelitis/chronic fatigue syndrome**
- **G93.39 Other post infection and related fatigue syndromes**
- **G93.4 Other and unspecified encephalopathy - Excludes1: alcoholic**
- Previously G93.3 Postviral fatigue syndrome without further specificity
- Previously R53.82 used for chronic fatigue syndrome



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Other Changes

I20.2 Refractory angina pectoris

- previously used I20.8 Other forms of angina pectoris

I25.112, I25.7-2 CAD with refractory angina pectoris

- previously used I25.118, I15.7-8 for CAD with other angina

I77.82 Antineutrophilic cytoplasmic antibody [ANCA] vasculitis

- previously used I77.89 Other specified disorders of arteries and arterioles

J95.87 Transfusion-associated dyspnea (TAD)

- previously used J95.89 Other postprocedural complications and disorders of respiratory system, not elsewhere classified

K76.82 Hepatic encephalopathy

- previously used K72.9 Hepatic failure, unspecified



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Other Changes

N76.82 Fournier disease of vagina and vulva

- previously used N76.89 Other specified inflammation of vagina and vulva
- **N49.3 Fournier gangrene** is for males only

S06 with 6th character A Intracranial injury with loss of consciousness status unknown

- we don't know if they person lost consciousness
- 10/1/22 and after default
- previously used **S06 with 6th character 9** loss of consciousness of unspecified duration
 - the person lost consciousness, but we don't know for how long

T43.65-- Poisoning by, adverse effect of and underdosing of methamphetamines

- previously used T43.62-- Poisoning by, adverse effect of and underdosing of amphetamines



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Other Changes

Z79.85 Long-term (current) use of injectable non-insulin antidiabetic drugs

- previously used Z79.899

Z79.6- Long term (current) use of immunomodulators and immunosuppressants

- previously used Z79.899

Z91.A Caregiver's noncompliance with patient's medical treatment and regimen

- previously no way to capture

M93.0- Slipped upper femoral epiphysis (nontraumatic)

- before 10/1/22: acute, chronic, acute on chronic; right, left, unspecified
- after 10/1/22: added stable/ unstable; bilateral



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Other Changes

M96.A- Fracture of ribs, sternum and thorax associated with compression of the chest and cardiopulmonary resuscitation

- Previously used M96.89 Other intraoperative and postprocedural complications and disorders of the musculoskeletal system & Y84.8 Other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure
- **M96.A1 Fracture of sternum associated with chest compression and cardiopulmonary resuscitation**
 - includes xiphoid process



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Other Changes

- **M96.A2 Fracture of one rib associated with chest compression and cardiopulmonary resuscitation**
- **M96.A3 Multiple fractures of ribs associated with chest compression and cardiopulmonary resuscitation**
- **M96.A4 Flail chest associated with chest compression and cardiopulmonary resuscitation**
- **M96.A9 Other fracture associated with chest compression and cardiopulmonary resuscitation**



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Other Changes

M51.A- Other lumbar and lumbosacral annulus fibrosus disc defects

- Code first, if applicable, lumbar disc herniation
- previously used M51.86 Other intervertebral disc disorders, lumbar region

M62.5A Muscle wasting and atrophy, not elsewhere classified, back

- previously used M62.58 Muscle wasting and atrophy, not elsewhere classified, other site

W23.2 Caught, crushed, jammed or pinched between a moving and stationary object

- previously had options for pinched between two stationary or for between two moving

D75.84 Other platelet-activating anti-PF4 disorders

- previously used D75.89 Other specified diseases of blood and blood-forming organs



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TABLE 1.A - Unspecified Diagnosis Codes

ICD-10 CM CODE	CODE DESCRIPTION	CURRENT CLINICAL GROUP	CURRENT CLINICAL GROUP DESCRIPTION
G51.39	Clonic hemifacial spasm, unspecified	B	Neurological Rehabilitation
G90.50	Complex regional pain syndrome I, unspecified	E	Musculoskeletal Rehabilitation
H05.20	Unspecified exophthalmos	A	MMTA - Other
H10.229	Pseudomembranous conjunctivitis, unspecified eye	A	MMTA - Other
H20.9	Unspecified iridocyclitis	A	MMTA - Other
H26.30	Drug-induced cataract, unspecified eye	A	MMTA - Other
H44.729	Retained (old) fb in iris or ciliary body, unsp eye	A	MMTA - Other
I80.239	Phlebitis and thrombophlebitis of unspecified tibial vein	H	MMTA - Cardiac and Circulatory
I82.409	Acute embolism and thrombosis unsp deep vn unsp lower extremity	H	MMTA - Cardiac and Circulatory
I83.899	Varicose vn unsp lower extremity with other complications	H	MMTA - Cardiac and Circulatory
L97.301	Non-prs chronic ulcer of unsp ankle limited to brkdn skin	C	Wounds
M05.60	Rheu arthritis of unsp site w involv of organs and systems	E	Musculoskeletal Rehabilitation
M05.70	Rheu arthritis w rheu factor of unsp site w/o org/sys involv	E	Musculoskeletal Rehabilitation
M50.00	Cervical disc disorder with myelopathy, unsp cervical region	E	Musculoskeletal Rehabilitation
M86.8X9	Other osteomyelitis, unspecified sites	E	Musculoskeletal Rehabilitation
N70.91	Salpingitis, unspecified	A	MMTA - Other
N70.92	Oophoritis, unspecified	A	MMTA - Other
O00.109	Unspecified tubal pregnancy without intrauterine pregnancy	A	MMTA - Other
O00.119	Unspecified tubal pregnancy with intrauterine pregnancy	A	MMTA - Other
O00.209	Unspecified ovarian pregnancy without intrauterine pregnancy	A	MMTA - Other
O00.219	Unspecified ovarian pregnancy with intrauterine pregnancy	A	MMTA - Other
O14.10	Severe pre-eclampsia, unspecified trimester	A	MMTA - Other
O15.00	Eclampsia complicating pregnancy, unspecified trimester	A	MMTA - Other
O88.019	Air embolism in pregnancy, unspecified trimester	A	MMTA - Other
O88.119	Amniotic fluid embolism in pregnancy, unspecified trimester	A	MMTA - Other
O88.219	Thromboembolism in pregnancy, unspecified trimester	A	MMTA - Other
O88.319	Pyemic and septic embolism in pregnancy, unsp trimester	A	MMTA - Other
O88.819	Other embolism in pregnancy, unspecified trimester	A	MMTA - Other
O91.119	Abscess of breast associated with pregnancy, unsp trimester	C	Wounds
Q71.90	Unspecified reduction defect of unspecified upper limb	A	MMTA - Other
Q72.00	Congenital complete absence of unspecified lower limb	A	MMTA - Other
S15.019D	Minor laceration of unspecified carotid artery, subs encntr	C	Wounds
S15.029A	Major laceration of unspecified carotid artery, init encntr	C	Wounds
S15.119A	Minor laceration of unsp vertebral artery, init encntr	C	Wounds
S15.119D	Minor laceration of unsp vertebral artery, subs encntr	C	Wounds
S15.129D	Major laceration of unsp vertebral artery, subs encntr	C	Wounds
S15.129S	Major laceration of unspecified vertebral artery, sequela	C	Wounds
S21.109A	Unsp opn wnd unsp frnt wall of thrx w/o penet thor cav, init	C	Wounds
S21.109D	Unsp opn wnd unsp frnt wall of thrx w/o penet thor cav, subs	C	Wounds
S21.109S	Unsp opn wnd unsp frnt wall of thrx w/o penet thor cav, sqla	C	Wounds
S21.119A	Lac w/o fb of unsp frnt wl of thrx w/o penet thor cav, init	C	Wounds
S21.119D	Lac w/o fb of unsp frnt wl of thrx w/o penet thor cav, subs	C	Wounds
S21.119S	Lac w/o fb of unsp frnt wl of thrx w/o penet thor cav, sqla	C	Wounds
S21.129A	Lac w fb of unsp front wall of thrx w/o penet thor cav, init	C	Wounds
S21.129D	Lac w fb of unsp front wall of thrx w/o penet thor cav, subs	C	Wounds
S21.129S	Lac w fb of unsp front wall of thrx w/o penet thor cav, sqla	C	Wounds
S21.209A	Unsp opn wnd unsp bk wl of thorax w/o penet thor cav, init	C	Wounds
S21.209D	Unsp opn wnd unsp bk wl of thorax w/o penet thor cav, subs	C	Wounds
S21.209S	Unsp opn wnd unsp bk wl of thorax w/o penet thor cav, sqla	C	Wounds
S21.219A	Lac w/o fb of unsp bk wl of thorax w/o penet thor cav, init	C	Wounds
S21.219D	Lac w/o fb of unsp bk wl of thorax w/o penet thor cav, subs	C	Wounds
S21.219S	Lac w/o fb of unsp bk wl of thorax w/o penet thor cav, sqla	C	Wounds
S21.229A	Lac w fb of unsp bk wl of thorax w/o penet thor cavity, init	C	Wounds
S21.229D	Lac w fb of unsp bk wl of thorax w/o penet thor cavity, subs	C	Wounds
S21.229S	Lac w fb of unsp bk wl of thorax w/o penet thor cavity, sqla	C	Wounds
S21.309A	Unsp opn wnd unsp front wall of thrx w penet thor cav, init	C	Wounds
S21.309D	Unsp opn wnd unsp front wall of thrx w penet thor cav, subs	C	Wounds
S21.309S	Unsp opn wnd unsp front wall of thrx w penet thor cav, sqla	C	Wounds
S21.319A	Lac w/o fb of unsp front wall of thrx w penet thor cav, init	C	Wounds
S21.319D	Lac w/o fb of unsp front wall of thrx w penet thor cav, subs	C	Wounds
S21.319S	Lac w/o fb of unsp front wall of thrx w penet thor cav, sqla	C	Wounds
S21.329A	Lac w fb of unsp front wall of thorax w penet thor cav, init	C	Wounds
S21.329D	Lac w fb of unsp front wall of thorax w penet thor cav, subs	C	Wounds
S21.329S	Lac w fb of unsp front wall of thorax w penet thor cav, sqla	C	Wounds
S21.409A	Unsp opn wnd unsp bk wl of thorax w penet thor cavity, init	C	Wounds
S21.409D	Unsp opn wnd unsp bk wl of thorax w penet thor cavity, subs	C	Wounds
S21.409S	Unsp opn wnd unsp bk wl of thorax w penet thor cavity, sqla	C	Wounds
S21.419A	Lac w/o fb of unsp bk wl of thorax w penet thor cavity, init	C	Wounds
S21.419D	Lac w/o fb of unsp bk wl of thorax w penet thor cavity, subs	C	Wounds

TABLE 1.A - Unspecified Diagnosis Codes

ICD-10 CM CODE	CODE DESCRIPTION	CURRENT CLINICAL GROUP	CURRENT CLINICAL GROUP DESCRIPTION
S21.419S	Lac w/o fb of unsp bk wl of thorax w penet thor cavity, sqla	C	Wounds
S21.429A	Lac w fb of unsp bk wl of thorax w penet thor cavity, init	C	Wounds
S21.429D	Lac w fb of unsp bk wl of thorax w penet thor cavity, subs	C	Wounds
S21.429S	Lac w fb of unsp bk wl of thorax w penet thor cavity, sqla	C	Wounds
S21.90XA	Unsp open wound of unspecified part of thorax, init encntr	C	Wounds
S21.90XD	Unsp open wound of unspecified part of thorax, subs encntr	C	Wounds
S21.90XS	Unsp open wound of unspecified part of thorax, sequela	C	Wounds
S21.91XA	Laceration w/o foreign body of unsp part of thorax, init	C	Wounds
S21.91XD	Laceration w/o foreign body of unsp part of thorax, subs	C	Wounds
S21.91XS	Laceration w/o foreign body of unsp part of thorax, sequela	C	Wounds
S21.92XA	Laceration w foreign body of unsp part of thorax, init	C	Wounds
S21.92XD	Laceration w foreign body of unsp part of thorax, subs	C	Wounds
S21.92XS	Laceration with foreign body of unsp part of thorax, sequela	C	Wounds
S25.519A	Laceration of intercostal blood vessels, unsp side, init	C	Wounds
S25.519D	Laceration of intercostal blood vessels, unsp side, subs	C	Wounds
S27.319A	Primary blast injury of lung, unspecified, initial encounter	C	Wounds
S27.319D	Primary blast injury of lung, unspecified, subs encntr	C	Wounds
S27.319S	Primary blast injury of lung, unspecified, sequela	C	Wounds
S27.329A	Contusion of lung, unspecified, initial encounter	A	MMTA - Other
S27.329D	Contusion of lung, unspecified, subsequent encounter	A	MMTA - Other
S27.329S	Contusion of lung, unspecified, sequela	A	MMTA - Other
S30.201A	Contusion of unsp external genital organ, male, init encntr	A	MMTA - Other
S30.201D	Contusion of unsp external genital organ, male, subs encntr	A	MMTA - Other
S30.201S	Contusion of unsp external genital organ, male, sequela	A	MMTA - Other
S30.202A	Contusion of unsp external genital organ, female, init	A	MMTA - Other
S31.109A	Unsp opn wnd abd wall, unsp q w/o penet perit cav, init	C	Wounds
S31.109D	Unsp opn wnd abd wall, unsp q w/o penet perit cav, subs	C	Wounds
S31.109S	Unsp opn wnd abd wall, unsp q w/o penet perit cav, sequela	C	Wounds
S31.119A	Lac w/o fb of abd wall, unsp q w/o penet perit cav, init	C	Wounds
S31.119D	Lac w/o fb of abd wall, unsp q w/o penet perit cav, subs	C	Wounds
S31.119S	Lac w/o fb of abd wall, unsp q w/o penet perit cav, sequela	C	Wounds
S31.129A	Lacerat abd wall w fb, unsp q w/o penet perit cav, init	C	Wounds
S31.129D	Lacerat abd wall w fb, unsp q w/o penet perit cav, subs	C	Wounds
S31.129S	Lacerat abd wall w fb, unsp q w/o penet perit cav, sequela	C	Wounds
S31.609A	Unsp opn wnd abd wall, unsp quadrant w penet perit cav, init	C	Wounds
S31.609D	Unsp opn wnd abd wall, unsp quadrant w penet perit cav, subs	C	Wounds
S31.609S	Unsp opn wnd abd wall, unsp q w penet perit cav, sequela	C	Wounds
S31.619A	Lac w/o fb of abd wall, unsp q w penet perit cav, init	C	Wounds
S31.619D	Lac w/o fb of abd wall, unsp q w penet perit cav, subs	C	Wounds
S31.619S	Lac w/o fb of abd wall, unsp q w penet perit cav, sequela	C	Wounds
S31.629A	Lac w fb of abd wall, unsp quadrant w penet perit cav, init	C	Wounds
S31.629D	Lac w fb of abd wall, unsp quadrant w penet perit cav, subs	C	Wounds
S31.629S	Lac w fb of abd wall, unsp q w penet perit cav, sequela	C	Wounds
S32.416A	Nondisp fx of anterior wall of unsp acetabulum, init	E	Musculoskeletal Rehabilitation
S32.416B	Nondisp fx of anterior wall of unsp acetab, init for opn fx	E	Musculoskeletal Rehabilitation
S32.509D	Unsp fracture of unsp pubis, subs for fx w routn heal	E	Musculoskeletal Rehabilitation
S37.019A	Minor contusion of unspecified kidney, initial encounter	A	MMTA - Other
S37.019D	Minor contusion of unspecified kidney, subsequent encounter	A	MMTA - Other
S37.019S	Minor contusion of unspecified kidney, sequela	A	MMTA - Other
S37.069A	Major laceration of unspecified kidney, initial encounter	C	Wounds
S37.069D	Major laceration of unspecified kidney, subsequent encounter	C	Wounds
S37.069S	Major laceration of unspecified kidney, sequela	C	Wounds
S42.023S	Displaced fracture of shaft of unspecified clavicle, sequela	E	Musculoskeletal Rehabilitation
S49.149A	Sitr-haris Type IV physl fx lower end humer, unsp arm, init	E	Musculoskeletal Rehabilitation
S52.389A	Bent bone of unsp radius, init encntr for closed fracture	E	Musculoskeletal Rehabilitation
S52.616A	Nondisp fx of unsp ulna styloid process, init for clos fx	E	Musculoskeletal Rehabilitation
S52.699A	Oth fracture of lower end of unsp ulna, init for clos fx	E	Musculoskeletal Rehabilitation
S56.919A	Strain of unsp musc/fasc/tend at forarm lv, unsp arm, init	E	Musculoskeletal Rehabilitation
S56.919D	Strain of unsp musc/fasc/tend at forarm lv, unsp arm, subs	E	Musculoskeletal Rehabilitation
S56.919S	Strain unsp musc/fasc/tend at forarm lv, unsp arm, sequela	E	Musculoskeletal Rehabilitation
S56.929A	Lacerat unsp musc/fasc/tend at forarm lv, unsp arm, init	C	Wounds
S56.929D	Lacerat unsp musc/fasc/tend at forarm lv, unsp arm, subs	C	Wounds
S56.929S	Lacerat unsp musc/fasc/tend at forarm lv, unsp arm, sequela	C	Wounds
S58.129S	Part traum amp at level betw elbow and wrist, unsp arm, sqla	E	Musculoskeletal Rehabilitation
S59.109A	Unsp physcal fracture of upper end of radius, unsp arm, init	E	Musculoskeletal Rehabilitation
S62.163S	Displaced fracture of pisiform, unspecified wrist, sequela	E	Musculoskeletal Rehabilitation
S62.253A	Disp fx of neck of first metacarpal bone, unsp hand, init	E	Musculoskeletal Rehabilitation
S62.319A	Disp fx of base of unsp metacarpal bone, init for clos fx	E	Musculoskeletal Rehabilitation
S62.608D	Fracture of unsp phalanx of finger, subs for fx w routn heal	E	Musculoskeletal Rehabilitation

TABLE 1.A - Unspecified Diagnosis Codes

ICD-10 CM CODE	CODE DESCRIPTION	CURRENT CLINICAL GROUP	CURRENT CLINICAL GROUP DESCRIPTION
S62.608G	Fracture of unsp phalanx of finger, subs for fx w delay heal	E	Musculoskeletal Rehabilitation
S62.608K	Fracture of unsp phalanx of finger, subs for fx w nonunion	E	Musculoskeletal Rehabilitation
S62.608P	Fracture of unsp phalanx of finger, subs for fx w malunion	E	Musculoskeletal Rehabilitation
S62.608S	Fracture of unspecified phalanx of other finger, sequela	E	Musculoskeletal Rehabilitation
S72.066A	Nondisplaced articular fracture of head of unsp femur, init	E	Musculoskeletal Rehabilitation
S72.116A	Nondisp fx of greater trochanter of unsp femur, init	E	Musculoskeletal Rehabilitation
S72.116B	Nondisp fx of greater trochanter of unsp femr, 7thB	E	Musculoskeletal Rehabilitation
S72.116C	Nondisp fx of greater trochanter of unsp femr, 7thC	E	Musculoskeletal Rehabilitation
S72.356A	Nondisp comminuted fracture of shaft of unsp femur, init	E	Musculoskeletal Rehabilitation
S82.446A	Nondisplaced spiral fracture of shaft of unsp fibula, init	E	Musculoskeletal Rehabilitation
S85.139S	Unsp injury of anterior tibial artery, unsp leg, sequela	E	Musculoskeletal Rehabilitation
S85.519S	Laceration of popliteal vein, unspecified leg, sequela	E	Musculoskeletal Rehabilitation
S91.009S	Unspecified open wound, unspecified ankle, sequela	E	Musculoskeletal Rehabilitation
T20.02XA	Burn of unspecified degree of lip(s), initial encounter	C	Wounds
T20.02XD	Burn of unspecified degree of lip(s), subsequent encounter	C	Wounds
T69.019A	Immersion hand, unspecified hand, initial encounter	A	MMTA - Other
T69.019D	Immersion hand, unspecified hand, subsequent encounter	A	MMTA - Other
T69.019S	Immersion hand, unspecified hand, sequela	A	MMTA - Other
T69.029A	Immersion foot, unspecified foot, initial encounter	A	MMTA - Other
T69.029D	Immersion foot, unspecified foot, subsequent encounter	A	MMTA - Other
T69.029S	Immersion foot, unspecified foot, sequela	A	MMTA - Other

TABLE 1.B - Gout Related Diagnosis Codes

ICD-10 CM CODE	CODE DESCRIPTION	CURRENT CLINICAL GROUP	CURRENT CLINICAL GROUP	REASSIGNED CLINICAL GROUP	REASSIGNED CLINICAL GROUP DESCRIPTION
M10.111	Lead-induced gout, right shoulder	NA	NA	E	Musculoskeletal Rehabilitation
M10.112	Lead-induced gout, left shoulder	NA	NA	E	Musculoskeletal Rehabilitation
M10.121	Lead-induced gout, right elbow	NA	NA	E	Musculoskeletal Rehabilitation
M10.122	Lead-induced gout, left elbow	NA	NA	E	Musculoskeletal Rehabilitation
M10.131	Lead-induced gout, right wrist	NA	NA	E	Musculoskeletal Rehabilitation
M10.132	Lead-induced gout, left wrist	NA	NA	E	Musculoskeletal Rehabilitation
M10.141	Lead-induced gout, right hand	NA	NA	E	Musculoskeletal Rehabilitation
M10.142	Lead-induced gout, left hand	NA	NA	E	Musculoskeletal Rehabilitation
M10.151	Lead-induced gout, right hip	NA	NA	E	Musculoskeletal Rehabilitation
M10.152	Lead-induced gout, left hip	NA	NA	E	Musculoskeletal Rehabilitation
M10.161	Lead-induced gout, right knee	NA	NA	E	Musculoskeletal Rehabilitation
M10.162	Lead-induced gout, left knee	NA	NA	E	Musculoskeletal Rehabilitation
M10.171	Lead-induced gout, right ankle and foot	NA	NA	E	Musculoskeletal Rehabilitation
M10.172	Lead-induced gout, left ankle and foot	NA	NA	E	Musculoskeletal Rehabilitation
M10.18	Lead-induced gout, vertebrae	NA	NA	E	Musculoskeletal Rehabilitation
M10.19	Lead-induced gout, multiple sites	NA	NA	E	Musculoskeletal Rehabilitation
M10.311	Gout due to renal impairment, right shoulder	NA	NA	E	Musculoskeletal Rehabilitation
M10.312	Gout due to renal impairment, left shoulder	NA	NA	E	Musculoskeletal Rehabilitation
M10.321	Gout due to renal impairment, right elbow	NA	NA	E	Musculoskeletal Rehabilitation
M10.322	Gout due to renal impairment, left elbow	NA	NA	E	Musculoskeletal Rehabilitation
M10.331	Gout due to renal impairment, right wrist	NA	NA	E	Musculoskeletal Rehabilitation
M10.332	Gout due to renal impairment, left wrist	NA	NA	E	Musculoskeletal Rehabilitation
M10.341	Gout due to renal impairment, right hand	NA	NA	E	Musculoskeletal Rehabilitation
M10.342	Gout due to renal impairment, left hand	NA	NA	E	Musculoskeletal Rehabilitation
M10.351	Gout due to renal impairment, right hip	NA	NA	E	Musculoskeletal Rehabilitation
M10.352	Gout due to renal impairment, left hip	NA	NA	E	Musculoskeletal Rehabilitation
M10.361	Gout due to renal impairment, right knee	NA	NA	E	Musculoskeletal Rehabilitation
M10.362	Gout due to renal impairment, left knee	NA	NA	E	Musculoskeletal Rehabilitation
M10.371	Gout due to renal impairment, right ankle and foot	NA	NA	E	Musculoskeletal Rehabilitation
M10.372	Gout due to renal impairment, left ankle and foot	NA	NA	E	Musculoskeletal Rehabilitation
M10.38	Gout due to renal impairment, vertebrae	NA	NA	E	Musculoskeletal Rehabilitation
M10.39	Gout due to renal impairment, multiple sites	NA	NA	E	Musculoskeletal Rehabilitation
M10.411	Other secondary gout, right shoulder	NA	NA	E	Musculoskeletal Rehabilitation
M10.412	Other secondary gout, left shoulder	NA	NA	E	Musculoskeletal Rehabilitation
M10.421	Other secondary gout, right elbow	NA	NA	E	Musculoskeletal Rehabilitation
M10.422	Other secondary gout, left elbow	NA	NA	E	Musculoskeletal Rehabilitation
M10.431	Other secondary gout, right wrist	NA	NA	E	Musculoskeletal Rehabilitation
M10.432	Other secondary gout, left wrist	NA	NA	E	Musculoskeletal Rehabilitation
M10.441	Other secondary gout, right hand	NA	NA	E	Musculoskeletal Rehabilitation
M10.442	Other secondary gout, left hand	NA	NA	E	Musculoskeletal Rehabilitation
M10.451	Other secondary gout, right hip	NA	NA	E	Musculoskeletal Rehabilitation
M10.452	Other secondary gout, left hip	NA	NA	E	Musculoskeletal Rehabilitation
M10.461	Other secondary gout, right knee	NA	NA	E	Musculoskeletal Rehabilitation
M10.462	Other secondary gout, left knee	NA	NA	E	Musculoskeletal Rehabilitation
M10.471	Other secondary gout, right ankle and foot	NA	NA	E	Musculoskeletal Rehabilitation
M10.472	Other secondary gout, left ankle and foot	NA	NA	E	Musculoskeletal Rehabilitation
M10.48	Other secondary gout, vertebrae	NA	NA	E	Musculoskeletal Rehabilitation
M10.49	Other secondary gout, multiple sites	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1110	Lead-induced chronic gout, right shoulder, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1111	Lead-induced chronic gout, right shoulder, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1120	Lead-induced chronic gout, left shoulder, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1121	Lead-induced chronic gout, left shoulder, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1210	Lead-induced chronic gout, right elbow, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1211	Lead-induced chronic gout, right elbow, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1220	Lead-induced chronic gout, left elbow, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1221	Lead-induced chronic gout, left elbow, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1310	Lead-induced chronic gout, right wrist, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1311	Lead-induced chronic gout, right wrist, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1320	Lead-induced chronic gout, left wrist, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1321	Lead-induced chronic gout, left wrist, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1410	Lead-induced chronic gout, right hand, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1411	Lead-induced chronic gout, right hand, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1420	Lead-induced chronic gout, left hand, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1421	Lead-induced chronic gout, left hand, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1510	Lead-induced chronic gout, right hip, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1511	Lead-induced chronic gout, right hip, with tophus	NA	NA	E	Musculoskeletal Rehabilitation

TABLE 1.B - Gout Related Diagnosis Codes

ICD-10 CM CODE	CODE DESCRIPTION	CURRENT CLINICAL GROUP	CURRENT CLINICAL GROUP	REASSIGNED CLINICAL GROUP	REASSIGNED CLINICAL GROUP DESCRIPTION
M1A.1520	Lead-induced chronic gout, left hip, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1521	Lead-induced chronic gout, left hip, with tophus (tophi)	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1610	Lead-induced chronic gout, right knee, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1611	Lead-induced chronic gout, right knee, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1620	Lead-induced chronic gout, left knee, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1621	Lead-induced chronic gout, left knee, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1710	Lead-induced chronic gout, right ankle and foot, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1711	Lead-induced chronic gout, right ankle and foot, with	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1720	Lead-induced chronic gout, left ankle and foot, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.1721	Lead-induced chronic gout, left ankle and foot, with	NA	NA	E	Musculoskeletal Rehabilitation
M1A.18X0	Lead-induced chronic gout, vertebrae, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.18X1	Lead-induced chronic gout, vertebrae, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.19X0	Lead-induced chronic gout, multiple sites, without	NA	NA	E	Musculoskeletal Rehabilitation
M1A.19X1	Lead-induced chronic gout, multiple sites, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3110	Chronic gout due to renal impairment, r shoulder, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3111	Chronic gout due to renal impairment, right shoulder, w	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3120	Chronic gout due to renal impairment, l shoulder, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3121	Chronic gout due to renal impairment, left shoulder, w	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3210	Chronic gout due to renal impairment, right elbow, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3211	Chronic gout due to renal impairment, right elbow, w	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3220	Chronic gout due to renal impairment, left elbow, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3221	Chronic gout due to renal impairment, left elbow, w	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3310	Chronic gout due to renal impairment, right wrist, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3311	Chronic gout due to renal impairment, right wrist, w	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3320	Chronic gout due to renal impairment, left wrist, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3321	Chronic gout due to renal impairment, left wrist, w	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3410	Chronic gout due to renal impairment, right hand, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3411	Chronic gout due to renal impairment, right hand, w	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3420	Chronic gout due to renal impairment, left hand, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3421	Chronic gout due to renal impairment, left hand, with	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3510	Chronic gout due to renal impairment, right hip, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3511	Chronic gout due to renal impairment, right hip, with	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3520	Chronic gout due to renal impairment, left hip, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3521	Chronic gout due to renal impairment, left hip, with	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3610	Chronic gout due to renal impairment, right knee, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3611	Chronic gout due to renal impairment, right knee, w	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3620	Chronic gout due to renal impairment, left knee, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3621	Chronic gout due to renal impairment, left knee, with	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3710	Chronic gout due to renal impairment, right ank/ft, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3711	Chronic gout due to renal impairment, right ank/ft, w	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3720	Chronic gout due to renal impairment, left ank/ft, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.3721	Chronic gout due to renal impairment, left ank/ft, w	NA	NA	E	Musculoskeletal Rehabilitation
M1A.38X0	Chronic gout due to renal impairment, vertebrae, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.38X1	Chronic gout due to renal impairment, vertebrae, with	NA	NA	E	Musculoskeletal Rehabilitation
M1A.39X0	Chronic gout due to renal impairment, mult sites, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.39X1	Chronic gout due to renal impairment, multiple sites, w	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4110	Other secondary chronic gout, right shoulder, without	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4111	Other secondary chronic gout, right shoulder, with	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4120	Other secondary chronic gout, left shoulder, without	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4121	Other secondary chronic gout, left shoulder, with	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4210	Other secondary chronic gout, right elbow, without	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4211	Other secondary chronic gout, right elbow, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4220	Other secondary chronic gout, left elbow, without	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4221	Other secondary chronic gout, left elbow, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4310	Other secondary chronic gout, right wrist, without	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4311	Other secondary chronic gout, right wrist, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4320	Other secondary chronic gout, left wrist, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4321	Other secondary chronic gout, left wrist, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4410	Other secondary chronic gout, right hand, without	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4411	Other secondary chronic gout, right hand, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4420	Other secondary chronic gout, left hand, without	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4421	Other secondary chronic gout, left hand, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4510	Other secondary chronic gout, right hip, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4511	Other secondary chronic gout, right hip, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4520	Other secondary chronic gout, left hip, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4521	Other secondary chronic gout, left hip, with tophus	NA	NA	E	Musculoskeletal Rehabilitation

TABLE 1.B - Gout Related Diagnosis Codes

ICD-10 CM CODE	CODE DESCRIPTION	CURRENT CLINICAL GROUP	CURRENT CLINICAL GROUP	REASSIGNED CLINICAL GROUP	REASSIGNED CLINICAL GROUP DESCRIPTION
M1A.4610	Other secondary chronic gout, right knee, without	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4611	Other secondary chronic gout, right knee, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4620	Other secondary chronic gout, left knee, without tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4621	Other secondary chronic gout, left knee, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4710	Oth secondary chronic gout, right ankle and foot, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4711	Oth secondary chronic gout, right ankle and foot, w	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4720	Oth secondary chronic gout, left ankle and foot, w/o	NA	NA	E	Musculoskeletal Rehabilitation
M1A.4721	Oth secondary chronic gout, left ankle and foot, with	NA	NA	E	Musculoskeletal Rehabilitation
M1A.48X0	Other secondary chronic gout, vertebrae, without	NA	NA	E	Musculoskeletal Rehabilitation
M1A.48X1	Other secondary chronic gout, vertebrae, with tophus	NA	NA	E	Musculoskeletal Rehabilitation
M1A.49X0	Other secondary chronic gout, multiple sites, without	NA	NA	E	Musculoskeletal Rehabilitation
M1A.49X1	Other secondary chronic gout, multiple sites, with	NA	NA	E	Musculoskeletal Rehabilitation

TABLE B23: LOW COMORBIDITY ADJUSTMENT SUBGROUPS FOR CY 2023

Low Comorbidity Subgroup	Description
Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae
Circulatory 10	Varicose Veins and Lymphedema
Circulatory 2	Hemolytic, Aplastic, and Other Anemias
Circulatory 7	Atherosclerosis, includes Peripheral Vascular Disease, Aortic Aneurysms and Hypotension
Circulatory 9	Other Venous Embolism and Thrombosis
Endocrine 4	Other Combined Immunodeficiencies and Malnutrition, includes graft-versus-host-disease
Gastrointestinal 1	Crohn's, Ulcerative Colitis, and other Functional Intestinal Disorders
Heart 10	Dysrhythmias, includes Atrial Fibrillation and Atrial Flutter
Heart 11	Heart Failure
Musculoskeletal 2	Rheumatoid Arthritis
Neoplasm 1	Malignant Neoplasms of Lip, Oral Cavity and Pharynx, includes Head and Neck Cancers
Neoplasm 18	Secondary Neoplasms of Urinary and Reproductive Systems, Skin, Brain, and Bone
Neoplasm 2	Malignant Neoplasms of Digestive Organs, includes Gastrointestinal Cancers
Neoplasm 6	Malignant neoplasms of trachea, bronchus, lung, and mediastinum
Neurological 10	Diabetes with neuropathy
Neurological 11	Disease of the Macula and Blindness/Low Vision
Neurological 12	Nondiabetic neuropathy
Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
Respiratory 10	2019 Novel Coronavirus
Skin 1	Cutaneous Abscess, Cellulitis, and Lymphangitis
Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
Skin 4	Stages Two-Four and unstageable pressure ulcers by site

Source: CY 2021 Home Health Claims Data, Periods that end in CY 2021 accessed on the CCW March 21, 2022.

TABLE B24: HIGH COMORBIDITY ADJUSTMENT INTERACTIONS FOR CY 2023

Comorbidity Subgroup Interaction	Comorbidity Group	Description	Comorbidity Group	Description
1	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Renal 3	Other disorders of the kidney and ureter, excluding chronic kidney disease and ESRD
2	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Endocrine 3	Type 1, Type 2, and Other Specified Diabetes
3	Circulatory 9	Other Venous Embolism and Thrombosis	Endocrine 3	Type 1, Type 2, and Other Specified Diabetes

Comorbidity Subgroup Interaction	Comorbidity Group	Description	Comorbidity Group	Description
4	Circulatory 9	Other Venous Embolism and Thrombosis	Renal 3	Other disorders of the kidney and ureter, excluding chronic kidney disease and ESRD
5	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease	Neurological 8	Epilepsy
6	Endocrine 5	Obesity, and Disorders of Metabolism and Fluid Balance	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
7	Heart 11	Heart Failure	Neurological 11	Disease of the Macula and Blindness/Low Vision
8	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease	Renal 1	Chronic kidney disease and ESRD
9	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Infectious 1	C-diff, MRSA, E-coli
10	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Circulatory 2	Hemolytic, Aplastic, and Other Anemias
11	Behavioral 5	Phobias, Other Anxiety and Obsessive Compulsive Disorders	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
12	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Neurological 10	Diabetes with neuropathy
13	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Heart 11	Heart Failure
14	Neurological 10	Diabetes with neuropathy	Skin 1	Cutaneous Abscess, Cellulitis, and Lymphangitis
15	Endocrine 1	Hypothyroidism	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
16	Neurological 4	Alzheimer's disease and related dementias	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
17	Heart 12	Other Heart Diseases	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
18	Behavioral 2	Mood Disorders, includes Depression and Bipolar Disorder	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease

Comorbidity Subgroup Interaction	Comorbidity Group	Description	Comorbidity Group	Description
19	Neurological 8	Epilepsy	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
20	Endocrine 1	Hypothyroidism	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
21	Behavioral 4	Psychotic, major depressive, and dissociative disorders, includes unspecified dementia, eating disorder and intellectual disabilities	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
22	Circulatory 10	Varicose Veins and Lymphedema	Heart 12	Other Heart Diseases
23	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia	Respiratory 5	Chronic Obstructive Pulmonary Disease, and Asthma, and Bronchiectasis
24	Endocrine 5	Obesity, and Disorders of Metabolism and Fluid Balance	Skin 1	Cutaneous Abscess, Cellulitis, and Lymphangitis
25	Behavioral 2	Mood Disorders, includes Depression and Bipolar Disorder	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
26	Behavioral 2	Mood Disorders, includes Depression and Bipolar Disorder	Circulatory 10	Varicose Veins and Lymphedema
27	Circulatory 10	Varicose Veins and Lymphedema	Circulatory 4	Hypertensive Chronic Kidney Disease
28	Circulatory 9	Other Venous Embolism and Thrombosis	Endocrine 4	Other Combined Immunodeficiencies and Malnutrition, includes graft-versus-host-disease
29	Endocrine 3	Type 1, Type 2, and Other Specified Diabetes	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
30	Heart 7	Chronic Ischemic Heart Disease	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
31	Circulatory 10	Varicose Veins and Lymphedema	Endocrine 3	Type 1, Type 2, and Other Specified Diabetes
32	Neurological 10	Diabetes with neuropathy	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
33	Heart 12	Other Heart Diseases	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
34	Neurological 4	Alzheimer's disease and related dementias	Skin 3	Diseases of arteries, arterioles and capillaries with

Comorbidity Subgroup Interaction	Comorbidity Group	Description	Comorbidity Group	Description
				ulceration and non-pressure chronic ulcers
35	Behavioral 5	Phobias, Other Anxiety and Obsessive Compulsive Disorders	Circulatory 10	Varicose Veins and Lymphedema
36	Heart 10	Dysrhythmias, includes Atrial Fibrillation and Atrial Flutter	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
37	Circulatory 4	Hypertensive Chronic Kidney Disease	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
38	Circulatory 4	Hypertensive Chronic Kidney Disease	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
39	Circulatory 2	Hemolytic, Aplastic, and Other Anemias	Skin 1	Cutaneous Abscess, Cellulitis, and Lymphangitis
40	Heart 11	Heart Failure	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
41	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease	Renal 3	Other disorders of the kidney and ureter, excluding chronic kidney disease and ESRD
42	Circulatory 4	Hypertensive Chronic Kidney Disease	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
43	Circulatory 1	Nutritional, Enzymatic, and Other Hereditary Anemias	Skin 1	Cutaneous Abscess, Cellulitis, and Lymphangitis
44	Circulatory 10	Varicose Veins and Lymphedema	Heart 11	Heart Failure
45	Circulatory 10	Varicose Veins and Lymphedema	Endocrine 5	Obesity, and Disorders of Metabolism and Fluid Balance
46	Heart 11	Heart Failure	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
47	Respiratory 4	Bronchitis, Emphysema, and Interstitial Lung Disease	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
48	Circulatory 2	Hemolytic, Aplastic, and Other Anemias	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease
49	Heart 10	Dysrhythmias, includes Atrial Fibrillation and Atrial Flutter	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
50	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Neurological 11	Disease of the Macula and Blindness/Low Vision

Comorbidity Subgroup Interaction	Comorbidity Group	Description	Comorbidity Group	Description
51	Neurological 11	Disease of the Macula and Blindness/Low Vision	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
52	Behavioral 2	Mood Disorders, includes Depression and Bipolar Disorder	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
53	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
54	Circulatory 10	Varicose Veins and Lymphedema	Heart 10	Dysrhythmias, includes Atrial Fibrillation and Atrial Flutter
55	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
56	Circulatory 2	Hemolytic, Aplastic, and Other Anemias	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
57	Behavioral 5	Phobias, Other Anxiety and Obsessive Compulsive Disorders	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
58	Endocrine 4	Other Combined Immunodeficiencies and Malnutrition, includes graft-versus-host-disease	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
59	Circulatory 10	Varicose Veins and Lymphedema	Endocrine 4	Other Combined Immunodeficiencies and Malnutrition, includes graft-versus-host-disease
60	Musculoskeletal 3	Joint Pain	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
61	Skin 1	Cutaneous Abscess, Cellulitis, and Lymphangitis	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
62	Endocrine 1	Hypothyroidism	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
63	Heart 9	Valve Disorders	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
64	Respiratory 9	Respiratory Failure and Atelectasis	Skin 3	Diseases of arteries, arterioles and capillaries with

Comorbidity Subgroup Interaction	Comorbidity Group	Description	Comorbidity Group	Description
65	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia	Renal 3	ulceration and non-pressure chronic ulcers Other disorders of the kidney and ureter, excluding chronic kidney disease and ESRD
66	Circulatory 1	Nutritional, Enzymatic, and Other Hereditary Anemias	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
67	Circulatory 1	Nutritional, Enzymatic, and Other Hereditary Anemias	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
68	Heart 8	Other Pulmonary Heart Diseases	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
69	Musculoskeletal 2	Rheumatoid Arthritis	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
70	Heart 11	Heart Failure	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
71	Endocrine 5	Obesity, and Disorders of Metabolism and Fluid Balance	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
72	Circulatory 7	Atherosclerosis, includes Peripheral Vascular Disease, Aortic Aneurysms and Hypotension	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
73	Circulatory 2	Hemolytic, Aplastic, and Other Anemias	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
74	Musculoskeletal 4	Lumbar Spinal Stenosis	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
75	Neurological 12	Nondiabetic neuropathy	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
76	Endocrine 3	Type 1, Type 2, and Other Specified Diabetes	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
77	Neurological 5	Spinal Muscular Atrophy, Systemic atrophy and Motor Neuron Disease	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers

Comorbidity Subgroup Interaction	Comorbidity Group	Description	Comorbidity Group	Description
78	Endocrine 4	Other Combined Immunodeficiencies and Malnutrition, includes graft-versus-host-disease	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia
79	Behavioral 4	Psychotic, major depressive, and dissociative disorders, includes unspecified dementia, eating disorder and intellectual disabilities	Skin 4	Stages Two-Four and unstageable pressure ulcers by site
80	Circulatory 1	Nutritional, Enzymatic, and Other Heredity Anemias	Skin 4	Stages Two-Four and unstageable pressure ulcers by site
81	Musculoskeletal 3	Joint Pain	Skin 4	Stages Two-Four and unstageable pressure ulcers by site
82	Neurological 4	Alzheimer's disease and related dementias	Skin 4	Stages Two-Four and unstageable pressure ulcers by site
83	Respiratory 2	Whooping cough	Skin 4	Stages Two-Four and unstageable pressure ulcers by site
84	Heart 11	Heart Failure	Skin 4	Stages Two-Four and unstageable pressure ulcers by site
85	Neurological 10	Diabetes with neuropathy	Skin 4	Stages Two-Four and unstageable pressure ulcers by site
86	Circulatory 10	Varicose Veins and Lymphedema	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers
87	Infectious 1	C-diff, MRSA, E-coli	Skin 4	Stages Two-Four and unstageable pressure ulcers by site
88	Cerebral 4	Sequelae of Cerebrovascular Diseases, includes Cerebral Atherosclerosis and Stroke Sequelae	Skin 4	Stages Two-Four and unstageable pressure ulcers by site
89	Renal 3	Other disorders of the kidney and ureter, excluding chronic kidney disease and ESRD	Skin 4	Stages Two-Four and unstageable pressure ulcers by site
90	Endocrine 3	Type 1, Type 2, and Other Specified Diabetes	Skin 4	Stages Two-Four and unstageable pressure ulcers by site
91	Endocrine 4	Other Combined Immunodeficiencies and Malnutrition, includes graft-versus-host-disease	Skin 4	Stages Two-Four and unstageable pressure ulcers by site

Comorbidity Subgroup Interaction	Comorbidity Group	Description	Comorbidity Group	Description
92	Neurological 7	Paraplegia, Hemiplegia and Quadriplegia	Skin 4	Stages Two-Four and unstageable pressure ulcers by site
93	Heart 10	Dysrhythmias, includes Atrial Fibrillation and Atrial Flutter	Skin 4	Stages Two-Four and unstageable pressure ulcers by site
94	Skin 3	Diseases of arteries, arterioles and capillaries with ulceration and non-pressure chronic ulcers	Skin 4	Stages Two-Four and unstageable pressure ulcers by site

Source: CY 2021 Home Health Claims Data. Periods that end in CY 2021 accessed from the CCW March 21, 2022.

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d. CY 2023 PDGM Case-Mix Weights

As finalized in the CY 2019 HH PPS final rule with comment period (83 FR 56502), the PDGM places patients into meaningful payment categories based on patient and other characteristics, such as timing, admission source, clinical grouping using the reported principal diagnosis, functional impairment level, and comorbid conditions. The PDGM case-mix methodology results in 432 unique case-mix groups called home health resource groups (HHRGs). We also finalized a policy in the CY 2019 HH PPS final rule with comment period (83 FR 56515) to recalibrate annually the PDGM case-mix weights using a fixed effects model with the most recent and complete utilization data available at the time of annual rulemaking. Annual recalibration of the PDGM case-mix weights ensures that the case-mix weights reflect, as accurately as possible, current home health resource use and changes in utilization patterns. To generate the proposed recalibrated CY 2023 case-mix weights, we used CY 2021 home health claims data with linked OASIS data (as of March 21, 2021). These data are the most current and complete data available at this time. We believe that recalibrating the case-mix weights using data from CY 2021 would be reflective of PDGM utilization and patient resource use for CY 2023. The proposed recalibrated case-mix weights will be updated based on more complete CY 2021 claims data for the final rule.

The claims data provide visit-level data and data on whether non-routine supplies (NRS) were provided during the period and the total charges of NRS. We determine the case-mix weight for each of the 432 different PDGM payment groups by regressing resource use on a series of indicator variables for each of the categories using a fixed

effects model as described in the following steps:

Step 1: Estimate a regression model to assign a functional impairment level to each 30-day period. The regression model estimates the relationship between a 30-day period's resource use and the functional status and risk of hospitalization items included in the PDGM, which are obtained from certain OASIS items. We refer readers to Table B21 for further information on the OASIS items used for the functional impairment level under the PDGM. We measure resource use with the cost-per-minute + NRS approach that uses information from 2020 home health cost reports. We use 2020 home health cost report data because it is the most complete cost report data available at the time of rulemaking. Other variables in the regression model include the 30-day period's admission source, clinical group, and 30-day period timing. We also include home health agency level fixed effects in the regression model. After estimating the regression model using 30-day periods, we divide the coefficients that correspond to the functional status and risk of hospitalization items by 10 and round to the nearest whole number. Those rounded numbers are used to compute a functional score for each 30-day period by summing together the rounded numbers for the functional status and risk of hospitalization items that are applicable to each 30-day period. Next, each 30-day period is assigned to a functional impairment level (low, medium, or high) depending on the 30-day period's total functional score. Each clinical group has a separate set of functional thresholds used to assign 30-day periods into a low, medium or high functional impairment level. We set those thresholds so that we assign roughly a third of 30-day periods within each clinical group to each

functional impairment level (low, medium, or high).

Step 2: A second regression model estimates the relationship between a 30-day period's resource use and indicator variables for the presence of any of the comorbidities and comorbidity interactions that were originally examined for inclusion in the PDGM. Like the first regression model, this model also includes home health agency level fixed effects and includes control variables for each 30-day period's admission source, clinical group, timing, and functional impairment level. After we estimate the model, we assign comorbidities to the low comorbidity adjustment if any comorbidities have a coefficient that is statistically significant (p-value of 0.05 or less) and which have a coefficient that is larger than the 50th percentile of positive and statistically significant comorbidity coefficients. If two comorbidities in the model and their interaction term have coefficients that sum together to exceed \$150 and the interaction term is statistically significant (p-value of 0.05 or less), we assign the two comorbidities together to the high comorbidity adjustment.

Step 3: After Step 2, each 30-day period is assigned to a clinical group, admission source category, episode timing category, functional impairment level, and comorbidity adjustment category. For each combination of those variables (which represent the 432 different payment groups that comprise the PDGM), we then calculate the 10th percentile of visits across all 30-day periods within a particular payment group. If a 30-day period's number of visits is less than the 10th percentile for their payment group, the 30-day period is classified as a Low Utilization Payment Adjustment (LUPA). If a payment group has a 10th percentile of visits that is less than two, we set the