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<b>13. SUPPLEMENTARY NOTES</b> This is an annual update to original 2016-2017 report.					
<b>14. ABSTRACT</b> This FY 2020 Update, is the 2 <sup>nd</sup> update to the original Taxonomy of Injuries* report at: 1) <i>A Taxonomy of Injuries for Public Health Monitoring and Reporting</i> . Addendum 1, Body Regions and Injury Types. Addendum 2, Fiscal Year 2018 Update. APHC Report, Jan 2016,01 Dec 2017 <a href="https://apps.dtic.mil/docs/citations/AD1039481">https://apps.dtic.mil/docs/citations/AD1039481</a> 2) The FY 2019 Update is available at <a href="https://apps.dtic.mil/docs/citations/AD1064894">https://apps.dtic.mil/docs/citations/AD1064894</a>  * The injury taxonomy standardizes definitions of different injury categories based on causal energy sources (i.e., mechanical/kinetic energy, environmental (heat, cold), poisoning/chemical exposures, etc.). Injuries are operationalized with over 12,000 specific medical diagnostic codes (International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM)). Each year the Centers for Disease Control and Prevention (CDC) updates the ICD-10-CM codes, this Update documents the new Army FY2020 injury codes and describes slight modifications to the 16 diagnoses categories (e.g., injuries, mental/behavioral health, cancer, etc.) that APHC uses to show the annual burden distribution of all Active Duty soldiers' medical encounters.					
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**Fiscal Year (FY) 2020 Update:  
A Taxonomy of Injuries for Public Health  
Monitoring and Reporting**

**PHIP No. 12-01-0717**

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**General Medical: 500A**

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**FY 2020 UPDATE:  
PUBLIC HEALTH INFORMATION PAPER NO. 12-01-0717  
A TAXONOMY OF INJURIES FOR PUBLIC HEALTH  
MONITORING AND REPORTING**

## **1 REFERENCES**

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Appendix A provides the references cited.

## **2 PURPOSE**

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The purpose of this document is threefold:

- Injury code update. Document the fiscal year (FY) 2020 updates to the injury diagnosis codes included in the Army Public Health Center (APHC) taxonomy of injuries [References 1 and 2] and its previous update [Reference 3]. The new and modified codes reflect changes to the International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnoses codes determined by the World Health Organization (WHO) and Centers for Disease Control and Prevention (CDC) [Reference 4].
- Burden of injury and Disease Categories. Document the FY2020 updates to injury and non-injury ICD-10-CM diagnosis codes and category labels used to present the APHC’s annual burden of injuries and diseases [References 5, 6, and 7].
- Injury-related surveillance and investigation methodology. Document changes to the methods described in the original APHC injury taxonomy report [Reference 1] to improve the precision and accuracy of reported injury-related musculoskeletal (MSK) long-term effects (LTE).

## **3 BACKGROUND**

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### **3.1 Injury definition and diagnosis codes.**

The APHC defines injury as bodily damage caused by the instantaneous or gradual transfer of mechanical, chemical, electrical, radiological energy to the body or the restricted transfer of an essential element such as oxygen [References 1-3]. Medical outcomes include damage caused by acute trauma, overuse, poisonings, extreme temperatures, or other environmental or man-made hazards. The APHC uses the injury taxonomy to categorize all injuries based on the causal form and source of energy and has uniquely associated each applicable ICD-10-CM injury diagnosis code to a single energy type (e.g., mechanical—acute trauma and cumulative micro-trauma, environmental (heat/light, cold), poisoning, etc. The APHC taxonomy also aligns all ICD-10-CM injury diagnosis codes with a standardized list of body regions and nature of injury types adapted from existing matrices (e.g. the “Barell matrix”) [References 1, 2, and 8].

The ICD-10-CM medical diagnosis codes that are used as the foundation for the APHC injury taxonomy and injury definition are updated annually by the WHO and the CDC [Reference 4]. To date, the APHC has published the original taxonomy which included the FY18 codes [Reference 1] and a FY2019 update [Reference 3].

### **3.2 Burden of injuries and disease**

When reporting routine surveillance for U.S. military populations, the APHC presents data showing the comparative impact in terms of numbers of medical encounters, persons affected, and hospital bed days for all medical visits [References 3 and 5-7]. Injuries, as defined by the APHC injury taxonomy, have historically been shown to have the largest burden among Army Soldiers in terms of medical encounters and persons affected. All other non-injury diagnoses are grouped by the APHC into 15 non-injury categories which are further sub-categorized [Reference 3]. The APHC diagnosis categories are a modification of the twenty-six diagnoses categories established by the Armed Forces Health Surveillance Branch (AFHSB) for Defense Health Agency (DHA) reports [Reference 9]. Data presentation differs between AFHSB and APHC, due in part to the different combination of categories, as well as the APHC identification of more diagnoses from the ICD-10-CM Diseases of the Musculoskeletal System chapter (Chapter 14) as part of the Injury category [References 1 and 2].

## **4 METHODS**

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Subject matter experts (SMEs) in the APHC Clinical Public Health and Epidemiology Directorate (VDH, BHJ), including the Injury Prevention (ASR) and the Disease Epidemiology (MS) programs reviewed the newly implemented FY2020 ICD-10-CM diagnosis codes to determine which burden categories each should be assigned. If a code was determined to be an injury in accordance with the APHC taxonomy, it was further assigned in accordance with methodology and definitions described in the original taxonomy report [Reference 1]. The two clinical providers (BHJ, MS) also provided guidance regarding burden categorization and sub-categorization of the non-injury diagnoses. The primary methodology relied on previous categorization of “parent codes,” where new codes were initially categorized based on the assignment of similar codes for consistency. Final determination was made by the providers. Because it is known that different providers will code differently, coding decisions reflected the assumption that more times than not (greater than 50% of the time), a provider’s use of that diagnosis code would reflect the APHC determined category or group.

## **5 RESULTS & FINDINGS**

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### **5.1 New FY 2020 injury diagnosis codes.**

The FY20 ICD-10-CM code revisions, effective October 1, 2019, represent the fourth update since the use of ICD-10-CM codes became a requirement for U.S. medical practice on October 1, 2015. ICD-10-CM codes are divided into 21 chapters which group similar diagnosis types together. For this FY2020 CDC update there were a total 400 code changes: 343 new codes, 35 revised codes and 22 deactivated codes [Reference 4].

The new, revised, and deactivated codes were updated in the APHC's master Injury Taxonomy Excel® spreadsheet (October 2019) along with corresponding injury categories, sub-categories, body regions, and injury types. Table 1 summarizes the new codes that were identified as incident injuries. There are now a total of 12,882 active ICD-10-CM incident diagnosis codes that meet the APHC taxonomy definition of injury. [NOTE: An additional 50 codes have been deactivated between FY16-FY20, but these codes are still captured in historical surveillance data].

## **5.2 Burden of Injuries and Disease**

Table 2 presents the sixteen APHC standard burden categories and how they align with the AFHSB categories and ICD-10-CM chapters. During this CY 2020 update, some of the APHC burden category names have been modified slightly from the previous 2018-19 version for increased clarification. Changes to the names were made based on input from various injury and behavioral health subject matter experts within the APHC Clinical Public Health and Epidemiology Directorate. Appendix B provides a list of the new and revised ICD-10-CM injury and non-injury diagnosis codes along with the assigned burden categories and sub-categories for each.

## **5.3 Methodology adjustment for long term effects (LTE)**

The methodology for identifying the incidence of injury-related MSK LTE has been re-evaluated since the publication of the original injury taxonomy [Reference 1]. The specified list of MSK LTE diagnosis categories is still considered appropriate to characterize conditions that may later occur as the result of a prior injury. However, since these are chronic/permanent conditions, repeated encounters during a time period (e.g., a year) would not infer multiple incidents. Therefore, when considering the incidence of these LTE, the LTE diagnosis codes should be counted only once per person (Soldier), and should be counted if they appear in any diagnosis field (DX1 through DX9).

However, consistent with prior documentation, all identified MSK LTE codes can continue to be captured in the Injury category for burden surveillance when they occur as the first (primary) diagnosis. Multiple visits or instances of bed days can be captured multiple times to accurately reflect the medical burden.

**Table 1. Incident Injury ICD-10-CM Codes added to Injury Taxonomy, as of October 2019**

Energy category	ICD-10-CM Diagnosis Codes added to Taxonomy	Justification
<b>MECHANICAL- Acute MSK</b>	S0212** Fracture of orbital roof S0283** Fracture of medial orbital wall S0284** Fracture of orbital wall S0285X* Fracture of orbit, unspecified	Consistent with categorization for other face fractures
<b>NON-ENVIRONMENTAL, Poisoning, Chemicals</b>	T5091** Poisoning by multiple drugs, medicaments, and biological substances	Consistent with categorization for other poisonings
<b>ENVIRONMENTAL-Thermal &amp; Light</b>	T6701X* Heatstroke and sunstroke T6702X* Exertional heatstroke T6709X* Other heatstroke and sunstroke	Consistent with categorization for other heat injuries
All follow-up encounters and sequaele for injury codes are included in injury burden; these would not be included in incidence reporting [per Reference1]		

**Table 2. Updated APHC Burden of Injuries and Disease Category descriptions, as of October 2019**

APHC Categories (16)		DHA Categories (26)	ICD-10-CM Chapters	Notes
2020 Category titles	2018-19 Category titles			
Injury	Injury	Injury	19 & 13, & 5,6,7, 8,10,11,12	DHA "Injury" does not include several Chapter 13 MSK diagnoses that APHC includes as injuries. 20-25% Army injuries are acute while >65% are cumulative MSK [reference 1].
Mental, Behavioral	Mental Health	Mental	5	substance abuse, psychosis, sleep disorder; not death (no suicides)
Ill-defined Conditions	Non-Specified Diagnosis	Signs/symptoms	18	Includes abnormal clinical diagnostics and signs, symptoms
Neurological	Neurologic	Neurologic	6	Includes nervous system conditions, epilepsy, headaches
		Headache	6	
Eye, ear, oral	Eye, Ear, Oral	Sense organ	7,8	Includes eye condition (non-injury), hearing (non-injury), and oral (non-injuries) such as cavities and periodontal disease
		Oral	11, 13	
Skin	Skin	Skin	12	Contact dermatitis and skin diseases (not infectious disease)
Degenerative, Genetic MSK	Degenerative & Genetic MSK	Musculoskeletal (MSK) disorders	13	Disorders and chronic conditions such as arthritis not associated with injury
Infectious, Vector-borne	Pathogenic & Communicable Disease	Respiratory infections	1,10	Includes infections (influenza, mumps), bacterial, pathogens (lymes, malaria)
		Infection/parasite	1, 6, 7, 16	
Pulmonary	Pulmonary Conditions	Respiratory disease	10	Non-communicable or chronic condition (e.g., asthma, COPD)
Maternal, Congenital	Maternal & Congenital	Maternal	15	Includes pregnancy and delivery, miscarriage, congenital birth defects
		Congenital	17	
		Perinatal	16	
Genitourinary	Urogenital	Genitourinary	14	Include male and female genital conditions, menstrual disorders
Digestive	Digestive	Digestive	11	Includes appendicitis, peptic ulcer, liver cirrhosis
Metabolic, Endocrine	Metabolic & Endocrine	Endocrine	4	Includes diabetes
		Metabolic/immune	3, 4	
		Nutritional	4	
		Diabetes	4	
Cardiovascular	Cardiovascular	Cardiovascular	9	Includes heart disease
Cancer	Cancer	Malignant neoplasm	2	Malignant neoplasms, include leukemia
Other	Other	Other neoplasms	2	Non-malignant neoplasms
		Blood	3	Anemias and other blood condition hereditary and nonhereditary
		Medical complication	Many	Non-injury post-procedural effects and effects from underdosing

## **6 CONCLUSIONS AND RECOMMENDATIONS**

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The master APHC injury taxonomy Excel® spreadsheet, updated to reflect the new ICD-10-CM diagnosis codes and APHC injury surveillance categories as described in this document, is available upon request. This most recent updated taxonomy code list is necessary for evaluating medical encounter data after ICD-10-CM update, effective October 1, 2019. All ICD-10-CM records used after 1 October 2015 are included in this master updated list.

It is recommended that APHC presentations of the annual Burden of Injury and Illness be compiled in accordance with categorizations described by this report and the APHC burden dictionary.

Incidence of each MSK LTE code will be represented as the number of people (Soldiers) in the population of interest with the diagnosis, based on one or more diagnosis (Dx1 through DX9) during the study timeframe.



## Appendix A

### References

1. APHC. 2017 Army Public Health Center. Public Health Information Paper (PHIP) No. 12-01-0717: *A Taxonomy of Injuries for Public Health Monitoring & Reporting*. Updated December 2017. Aberdeen Proving Ground, MD. <http://www.dtic.mil/docs/citations/AD1039481>
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9. Armed Forces Health Surveillance Branch. Absolute and Relative Morbidity Burdens Attributable to Various Illnesses and Injuries, Active Component, U.S. Armed Forces, 2018. *Medical Surveillance Monthly Report*. 2019;26(5):2-10.

## Appendix B

### Assignment of New FY2020 ICD-10-CM Codes

**Table B-1. Assignment of New FY2020 ICD-10-CM Codes**

<b>FY2020 ICD-10-CM Code</b>	<b>Description</b>	<b>Burden Category</b>	<b>Burden Subcategory</b>
D75A	Glucose-6-phosphate dehydrogenase (G6PD) deficiency without anemia	Other	Blood - other disorder
D8130	Adenosine deaminase deficiency, unspecified	Diabetes & Internal	Immunity disorders
D8131	Severe combined immunodeficiency due to adenosine deaminase deficiency	Diabetes & Internal	Immunity disorders
D8132	Adenosine deaminase 2 deficiency	Diabetes & Internal	Immunity disorders
D8139	Other adenosine deaminase deficiency	Diabetes & Internal	Immunity disorders
H814	Vertigo of central origin	Neurologic	All other neurologic conditions
I2693	Single subsegmental pulmonary embolism without acute cor pulmonale	Cardiovascular	All other cardiovascular diseases
I2694	Multiple subsegmental pulmonary emboli without acute cor pulmonale	Cardiovascular	All other cardiovascular diseases
I4811	Longstanding persistent atrial fibrillation	Cardiovascular	All other cardiovascular diseases
I4819	Other persistent atrial fibrillation	Cardiovascular	All other cardiovascular diseases
I4820	Chronic atrial fibrillation, unspecified	Cardiovascular	All other cardiovascular diseases
I4821	Permanent atrial fibrillation	Cardiovascular	All other cardiovascular diseases
I80241	Phlebitis and thrombophlebitis of right peroneal vein	Cardiovascular	All other cardiovascular diseases
I80242	Phlebitis and thrombophlebitis of left peroneal vein	Cardiovascular	All other cardiovascular diseases
I80243	Phlebitis and thrombophlebitis of peroneal vein, bilateral	Cardiovascular	All other cardiovascular diseases
I80249	Phlebitis and thrombophlebitis of unspecified peroneal vein	Cardiovascular	All other cardiovascular diseases
I80251	Phlebitis and thrombophlebitis of right calf muscular vein	Cardiovascular	All other cardiovascular diseases
I80252	Phlebitis and thrombophlebitis of left calf muscular vein	Cardiovascular	All other cardiovascular diseases
I80253	Phlebitis and thrombophlebitis of calf muscular vein, bilateral	Cardiovascular	All other cardiovascular diseases

PHIP No. 12-01-0717, UPDATE FY 2020, October 2019

I80259	Phlebitis and thrombophlebitis of unspecified calf muscular vein	Cardiovascular	All other cardiovascular diseases
I82451	Acute embolism and thrombosis of right peroneal vein	Cardiovascular	All other cardiovascular diseases
I82452	Acute embolism and thrombosis of left peroneal vein	Cardiovascular	All other cardiovascular diseases
I82453	Acute embolism and thrombosis of peroneal vein, bilateral	Cardiovascular	All other cardiovascular diseases
I82459	Acute embolism and thrombosis of unspecified peroneal vein	Cardiovascular	All other cardiovascular diseases
I82461	Acute embolism and thrombosis of right calf muscular vein	Cardiovascular	All other cardiovascular diseases
I82462	Acute embolism and thrombosis of left calf muscular vein	Cardiovascular	All other cardiovascular diseases
I82463	Acute embolism and thrombosis of calf muscular vein, bilateral	Cardiovascular	All other cardiovascular diseases
I82469	Acute embolism and thrombosis of unspecified calf muscular vein	Cardiovascular	All other cardiovascular diseases
I82551	Chronic embolism and thrombosis of right peroneal vein	Cardiovascular	All other cardiovascular diseases
I82552	Chronic embolism and thrombosis of left peroneal vein	Cardiovascular	All other cardiovascular diseases
I82553	Chronic embolism and thrombosis of peroneal vein, bilateral	Cardiovascular	All other cardiovascular diseases
I82559	Chronic embolism and thrombosis of unspecified peroneal vein	Cardiovascular	All other cardiovascular diseases
I82561	Chronic embolism and thrombosis of right calf muscular vein	Cardiovascular	All other cardiovascular diseases
I82562	Chronic embolism and thrombosis of left calf muscular vein	Cardiovascular	All other cardiovascular diseases
I82563	Chronic embolism and thrombosis of calf muscular vein, bilateral	Cardiovascular	All other cardiovascular diseases
I82569	Chronic embolism and thrombosis of unspecified calf muscular vein	Cardiovascular	All other cardiovascular diseases
L89006	Pressure-induced deep tissue damage of unspecified elbow	Skin	All other skin diseases
L89016	Pressure-induced deep tissue damage of right elbow	Skin	All other skin diseases
L89026	Pressure-induced deep tissue damage of left elbow	Skin	All other skin diseases
L89106	Pressure-induced deep tissue damage of unspecified part of back	Skin	All other skin diseases
L89116	Pressure-induced deep tissue damage of right upper back	Skin	All other skin diseases
L89126	Pressure-induced deep tissue damage of left upper back	Skin	All other skin diseases
L89136	Pressure-induced deep tissue damage of right lower back	Skin	All other skin diseases

PHIP No. 12-01-0717, UPDATE FY 2020, October 2019

L89146	Pressure-induced deep tissue damage of left lower back	Skin	All other skin diseases
L89156	Pressure-induced deep tissue damage of sacral region	Skin	All other skin diseases
L89206	Pressure-induced deep tissue damage of unspecified hip	Skin	All other skin diseases
L89216	Pressure-induced deep tissue damage of right hip	Skin	All other skin diseases
L89226	Pressure-induced deep tissue damage of left hip	Skin	All other skin diseases
L89306	Pressure-induced deep tissue damage of unspecified buttock	Skin	All other skin diseases
L89316	Pressure-induced deep tissue damage of right buttock	Skin	All other skin diseases
L89326	Pressure-induced deep tissue damage of left buttock	Skin	All other skin diseases
L8946	Pressure-induced deep tissue damage of contiguous site of back, buttock and hip	Skin	All other skin diseases
L89506	Pressure-induced deep tissue damage of unspecified ankle	Skin	All other skin diseases
L89516	Pressure-induced deep tissue damage of right ankle	Skin	All other skin diseases
L89526	Pressure-induced deep tissue damage of left ankle	Skin	All other skin diseases
L89606	Pressure-induced deep tissue damage of unspecified heel	Skin	All other skin diseases
L89616	Pressure-induced deep tissue damage of right heel	Skin	All other skin diseases
L89626	Pressure-induced deep tissue damage of left heel	Skin	All other skin diseases
L89816	Pressure-induced deep tissue damage of head	Skin	All other skin diseases
L89896	Pressure-induced deep tissue damage of other site	Skin	All other skin diseases
L8996		Skin	All other skin diseases
N6315	Unspecified lump in the right breast, overlapping quadrants	Urogenital	Other breast disorders
N6325	Unspecified lump in the left breast, overlapping quadrants	Urogenital	Other breast disorders
N9985	Post endometrial ablation syndrome	Other	Non-injury medical complication
Q6600	Congenital talipes equinovarus, unspecified foot	Congenital & Natal	All other congenital anomalies
Q6601	Congenital talipes equinovarus, right foot	Congenital & Natal	All other congenital anomalies
Q6602	Congenital talipes equinovarus, left foot	Congenital & Natal	All other congenital anomalies

PHIP No. 12-01-0717, UPDATE FY 2020, October 2019

Q6610	Congenital talipes calcaneovarus, unspecified foot	Congenital & Natal	All other congenital anomalies
Q6611	Congenital talipes calcaneovarus, right foot	Congenital & Natal	All other congenital anomalies
Q6612	Congenital talipes calcaneovarus, left foot	Congenital & Natal	All other congenital anomalies
Q66211	Congenital metatarsus primus varus, right foot	Congenital & Natal	All other congenital anomalies
Q66212	Congenital metatarsus primus varus, left foot	Congenital & Natal	All other congenital anomalies
Q66219	Congenital metatarsus primus varus, unspecified foot	Congenital & Natal	All other congenital anomalies
Q66221	Congenital metatarsus adductus, right foot	Congenital & Natal	All other congenital anomalies
Q66222	Congenital metatarsus adductus, left foot	Congenital & Natal	All other congenital anomalies
Q66229	Congenital metatarsus adductus, unspecified foot	Congenital & Natal	All other congenital anomalies
Q6630	Other congenital varus deformities of feet, unspecified foot	Congenital & Natal	All other congenital anomalies
Q6631	Other congenital varus deformities of feet, right foot	Congenital & Natal	All other congenital anomalies
Q6632	Other congenital varus deformities of feet, left foot	Congenital & Natal	All other congenital anomalies
Q6640	Congenital talipes calcaneovalgus, unspecified foot	Congenital & Natal	All other congenital anomalies
Q6641	Congenital talipes calcaneovalgus, right foot	Congenital & Natal	All other congenital anomalies
Q6642	Congenital talipes calcaneovalgus, left foot	Congenital & Natal	All other congenital anomalies
Q6670	Congenital pes cavus, unspecified foot	Congenital & Natal	All other congenital anomalies
Q6671	Congenital pes cavus, right foot	Congenital & Natal	All other congenital anomalies
Q6672	Congenital pes cavus, left foot	Congenital & Natal	All other congenital anomalies
Q6690	Congenital deformity of feet, unspecified, unspecified foot	Congenital & Natal	All other congenital anomalies
Q6691	Congenital deformity of feet, unspecified, right foot	Congenital & Natal	All other congenital anomalies
Q6692	Congenital deformity of feet, unspecified, left foot	Congenital & Natal	All other congenital anomalies
Q7960	Ehlers-Danlos syndrome, unspecified	Congenital & Natal	All other congenital anomalies
Q7961	Classical Ehlers-Danlos syndrome	Congenital & Natal	All other congenital anomalies
Q7962	Hypermobile Ehlers-Danlos syndrome	Congenital & Natal	All other congenital anomalies

PHIP No. 12-01-0717, UPDATE FY 2020, October 2019

Q7963	Vascular Ehlers-Danlos syndrome	Congenital & Natal	All other congenital anomalies
Q7969	Other Ehlers-Danlos syndromes	Congenital & Natal	All other congenital anomalies
Q8711	Prader-Willi syndrome	Congenital & Natal	All other congenital anomalies
Q8719	Other congenital malformation syndromes predominantly associated with short stature	Congenital & Natal	All other congenital anomalies
R1115	Cyclical vomiting syndrome unrelated to migraine	Unspecified	Abdomen and pelvis
R8281	Pyuria	Unspecified	All other signs and symptoms
R8289	Other abnormal findings on cytological and histological examination of urine	Unspecified	All other signs and symptoms
S02121A	Fracture of orbital roof, right side, initial encounter for closed fracture	Injury	Mechanical - acute musculoskeletal
S02121B	Fracture of orbital roof, right side, initial encounter for open fracture	Injury	Mechanical - acute musculoskeletal
S02121D	Fracture of orbital roof, right side, subsequent encounter for fracture with routine healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02121G	Fracture of orbital roof, right side, subsequent encounter for fracture with delayed healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02121K	Fracture of orbital roof, right side, subsequent encounter for fracture with nonunion	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02121S	Fracture of orbital roof, right side, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02122A	Fracture of orbital roof, left side, initial encounter for closed fracture	Injury	Mechanical - acute musculoskeletal
S02122B	Fracture of orbital roof, left side, initial encounter for open fracture	Injury	Mechanical - acute musculoskeletal
S02122D	Fracture of orbital roof, left side, subsequent encounter for fracture with routine healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02122G	Fracture of orbital roof, left side, subsequent encounter for fracture with delayed healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02122K	Fracture of orbital roof, left side, subsequent encounter for fracture with nonunion	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02122S	Fracture of orbital roof, left side, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury

PHIP No. 12-01-0717, UPDATE FY 2020, October 2019

S02129A	Fracture of orbital roof, unspecified side, initial encounter for closed fracture	Injury	Mechanical - acute musculoskeletal
S02129B	Fracture of orbital roof, unspecified side, initial encounter for open fracture	Injury	Mechanical - acute musculoskeletal
S02129D	Fracture of orbital roof, unspecified side, subsequent encounter for fracture with routine healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02129G	Fracture of orbital roof, unspecified side, subsequent encounter for fracture with delayed healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02129K	Fracture of orbital roof, unspecified side, subsequent encounter for fracture with nonunion	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02129S	Fracture of orbital roof, unspecified side, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02831A	Fracture of medial orbital wall, right side, initial encounter for closed fracture	Injury	Mechanical - acute musculoskeletal
S02831B	Fracture of medial orbital wall, right side, initial encounter for open fracture	Injury	Mechanical - acute musculoskeletal
S02831D	Fracture of medial orbital wall, right side, subsequent encounter for fracture with routine healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02831G	Fracture of medial orbital wall, right side, subsequent encounter for fracture with delayed healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02831K	Fracture of medial orbital wall, right side, subsequent encounter for fracture with nonunion	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02831S	Fracture of medial orbital wall, right side, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02832A	Fracture of medial orbital wall, left side, initial encounter for closed fracture	Injury	Mechanical - acute musculoskeletal
S02832B	Fracture of medial orbital wall, left side, initial encounter for open fracture	Injury	Mechanical - acute musculoskeletal
S02832D	Fracture of medial orbital wall, left side, subsequent encounter for fracture with routine healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02832G	Fracture of medial orbital wall, left side, subsequent encounter for fracture with delayed healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury

PHIP No. 12-01-0717, UPDATE FY 2020, October 2019

S02832K	Fracture of medial orbital wall, left side, subsequent encounter for fracture with nonunion	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02832S	Fracture of medial orbital wall, left side, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02839A	Fracture of medial orbital wall, unspecified side, initial encounter for closed fracture	Injury	Mechanical - acute musculoskeletal
S02839B	Fracture of medial orbital wall, unspecified side, initial encounter for open fracture	Injury	Mechanical - acute musculoskeletal
S02839D	Fracture of medial orbital wall, unspecified side, subsequent encounter for fracture with routine healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02839G	Fracture of medial orbital wall, unspecified side, subsequent encounter for fracture with delayed healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02839K	Fracture of medial orbital wall, unspecified side, subsequent encounter for fracture with nonunion	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02839S	Fracture of medial orbital wall, unspecified side, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02841A	Fracture of lateral orbital wall, right side, initial encounter for closed fracture	Injury	Mechanical - acute musculoskeletal
S02841B	Fracture of lateral orbital wall, right side, initial encounter for open fracture	Injury	Mechanical - acute musculoskeletal
S02841D	Fracture of lateral orbital wall, right side, subsequent encounter for fracture with routine healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02841G	Fracture of lateral orbital wall, right side, subsequent encounter for fracture with delayed healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02841K	Fracture of lateral orbital wall, right side, subsequent encounter for fracture with nonunion	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02841S	Fracture of lateral orbital wall, right side, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02842A	Fracture of lateral orbital wall, left side, initial encounter for closed fracture	Injury	Mechanical - acute musculoskeletal
S02842B	Fracture of lateral orbital wall, left side, initial encounter for open fracture	Injury	Mechanical - acute musculoskeletal



PHIP No. 12-01-0717, UPDATE FY 2020, October 2019

S02842D	Fracture of lateral orbital wall, left side, subsequent encounter for fracture with routine healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02842G	Fracture of lateral orbital wall, left side, subsequent encounter for fracture with delayed healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02842K	Fracture of lateral orbital wall, left side, subsequent encounter for fracture with nonunion	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02842S	Fracture of lateral orbital wall, left side, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02849A	Fracture of lateral orbital wall, unspecified side, initial encounter for closed fracture	Injury	Mechanical - acute musculoskeletal
S02849B	Fracture of lateral orbital wall, unspecified side, initial encounter for open fracture	Injury	Mechanical - acute musculoskeletal
S02849D	Fracture of lateral orbital wall, unspecified side, subsequent encounter for fracture with routine healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02849G	Fracture of lateral orbital wall, unspecified side, subsequent encounter for fracture with delayed healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02849K	Fracture of lateral orbital wall, unspecified side, subsequent encounter for fracture with nonunion	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S02849S	Fracture of lateral orbital wall, unspecified side, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S0285XA	Fracture of orbit, unspecified, initial encounter for closed fracture	Injury	Mechanical - acute musculoskeletal
S0285XB	Fracture of orbit, unspecified, initial encounter for open fracture	Injury	Mechanical - acute musculoskeletal
S0285XD	Fracture of orbit, unspecified, subsequent encounter for fracture with routine healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S0285XG	Fracture of orbit, unspecified, subsequent encounter for fracture with delayed healing	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S0285XK	Fracture of orbit, unspecified, subsequent encounter for fracture with nonunion	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
S0285XS	Fracture of orbit, unspecified, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury

**PHIP No. 12-01-0717, UPDATE FY 2020, October 2019**

T50911A	Poisoning by multiple unspecified drugs, medicaments and biological substances, accidental (unintentional), initial encounter	Injury	Poisons - drugs
T50911D	Poisoning by multiple unspecified drugs, medicaments and biological substances, accidental (unintentional), subsequent encounter	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
T50911S	Poisoning by multiple unspecified drugs, medicaments and biological substances, accidental (unintentional), sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
T50912A	Poisoning by multiple unspecified drugs, medicaments and biological substances, intentional self-harm, initial encounter	Injury	Poisons - drugs
T50912D	Poisoning by multiple unspecified drugs, medicaments and biological substances, intentional self-harm, subsequent encounter	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
T50912S	Poisoning by multiple unspecified drugs, medicaments and biological substances, intentional self-harm, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
T50913A	Poisoning by multiple unspecified drugs, medicaments and biological substances, assault, initial encounter	Injury	Poisons - drugs
T50913D	Poisoning by multiple unspecified drugs, medicaments and biological substances, assault, subsequent encounter	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
T50913S	Poisoning by multiple unspecified drugs, medicaments and biological substances, assault, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
T50914A	Poisoning by multiple unspecified drugs, medicaments and biological substances, undetermined, initial encounter	Injury	Poisons - drugs
T50914D	Poisoning by multiple unspecified drugs, medicaments and biological substances, undetermined, subsequent encounter	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
T50914S	Poisoning by multiple unspecified drugs, medicaments and biological substances, undetermined, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
T50915A	Adverse effect of multiple unspecified drugs, medicaments and	Other	Non-injury medical complication

PHIP No. 12-01-0717, UPDATE FY 2020, October 2019

	biological substances, initial encounter		
T50915D	Adverse effect of multiple unspecified drugs, medicaments and biological substances, subsequent encounter	Other	Non-injury medical complication
T50915S	Adverse effect of multiple unspecified drugs, medicaments and biological substances, sequela	Other	Non-injury medical complication
T50916A	Underdosing of multiple unspecified drugs, medicaments and biological substances, initial encounter	Other	Non-injury medical complication
T50916D	Underdosing of multiple unspecified drugs, medicaments and biological substances, subsequent encounter	Other	Non-injury medical complication
T50916S	Underdosing of multiple unspecified drugs, medicaments and biological substances, sequela	Other	Non-injury medical complication
T6701XA	Heatstroke and sunstroke, initial encounter	Injury	Environmental - thermal and light
T6701XD	Heatstroke and sunstroke, subsequent encounter	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
T6701XS	Heatstroke and sunstroke, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
T6702XA	Exertional heatstroke, initial encounter	Injury	Environmental - thermal and light
T6702XD	Exertional heatstroke, subsequent encounter	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
T6702XS	Exertional heatstroke, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
T6709XA	Other heatstroke and sunstroke, initial encounter	Injury	Environmental - thermal and light
T6709XD	Other heatstroke and sunstroke, subsequent encounter	Injury	Subsequent and sequela injury encounters, and long-term effects of injury
T6709XS	Other heatstroke and sunstroke, sequela	Injury	Subsequent and sequela injury encounters, and long-term effects of injury