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<b>4. TITLE AND SUBTITLE</b>				<b>5a. CONTRACT NUMBER</b>	
				<b>5b. GRANT NUMBER</b>	
				<b>5c. PROGRAM ELEMENT NUMBER</b>	
<b>6. AUTHOR(S)</b>				<b>5d. PROJECT NUMBER</b>	
				<b>5e. TASK NUMBER</b>	
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<b>7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)</b>				<b>8. PERFORMING ORGANIZATION REPORT NUMBER</b>	
<b>9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)</b>				<b>10. SPONSOR/MONITOR'S ACRONYM(S)</b>	
				<b>11. SPONSOR/MONITOR'S REPORT NUMBER(S)</b>	
<b>12. DISTRIBUTION/AVAILABILITY STATEMENT</b>					
<b>13. SUPPLEMENTARY NOTES</b>					
<b>14. ABSTRACT</b>					
<b>15. SUBJECT TERMS</b>					
<b>16. SECURITY CLASSIFICATION OF:</b>			<b>17. LIMITATION OF ABSTRACT</b>	<b>18. NUMBER OF PAGES</b>	<b>19a. NAME OF RESPONSIBLE PERSON</b>
<b>a. REPORT</b>	<b>b. ABSTRACT</b>	<b>c. THIS PAGE</b>			<b>19b. TELEPHONE NUMBER (Include area code)</b>

**Fiscal Year (FY) 2019 Update:  
A Taxonomy of Injuries for Public Health  
Monitoring and Reporting**

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

**Approved for public release; distribution unlimited**

**General Medical: 500A**

**December 2018**



**FY 2019 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 in this Addendum.

## **2 PURPOSE**

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The purpose of this document is twofold:

- 1) To describe the new injury diagnosis codes incorporated into the Army Public Health Center (APHC) taxonomy of injuries [reference 1] based on recent World Health Organization (WHO) and Centers for Disease Control and Prevention (CDC) updates to the International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnoses codes [references 2,3].
- 2) To describe the APHC's updated ICD-10-CM codes in terms of specific injury and non-injury categories used to present the APHC's annual burden of all injuries and diseases [reference 4, 5].

## **3 BACKGROUND**

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The APHC injury taxonomy categorizes injuries based on the causal form and source of an energy transfer to the body. The taxonomy structure uniquely associates 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, and so forth), poisoning, etc.) [reference 1]. The complete list of all injury diagnoses codes in all of the injury categories establishes the APHC's definition of "all injuries." The ICD-10-CM medical diagnosis codes used as the foundation for the APHC injury taxonomy and injury definition are updated annually by the World Health Organization and the CDC [references 2, 3]. The previous taxonomy version (December 2017) included all identified injury diagnosis codes meeting the APHC definition of injury, through and including the Fiscal Year 2018 (FY18) WHO/CDC update.

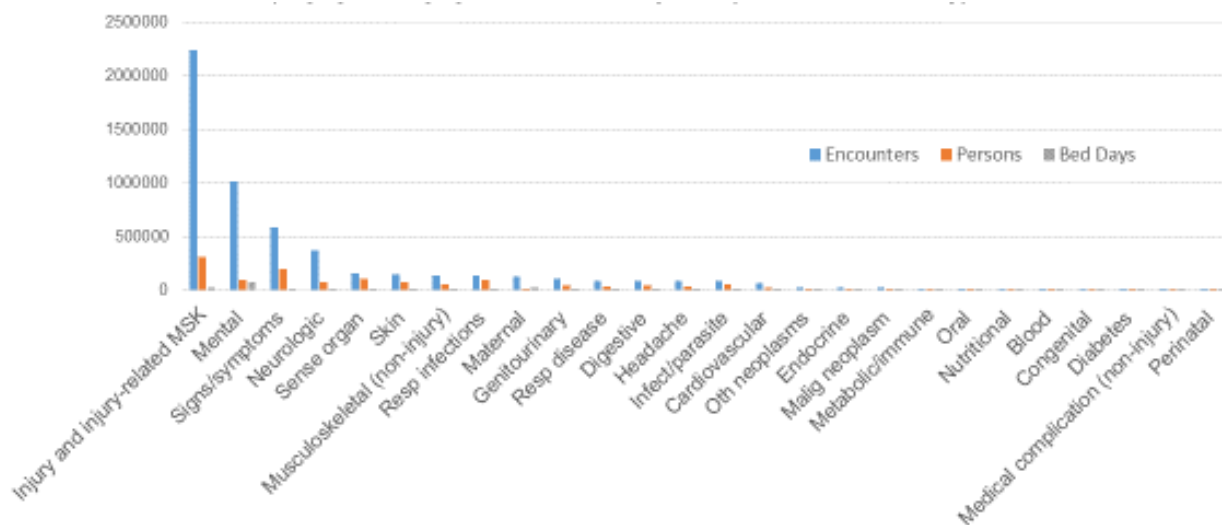
The APHC taxonomy also aligns all ICD-10-CM diagnosis codes identified as injuries with a standardized list of body regions and nature of injury types which was adapted from existing matrices (e.g. the "Barell matrix") [references 6 -10].

When reporting routine injury surveillance for U.S. military populations, the APHC includes all types of medical visits (injuries, diseases, disorders, and other long term conditions) [references 4, 5]. The ICD-10-CM diagnosis codes used to report the burden of all illnesses and injuries include injuries and twenty-five other diagnosis categories that are based on a modification of the twenty-six diagnoses categories established by the Armed Forces Health Surveillance Branch (AFHSB) for Defense Health Agency (DHA) reports [reference 11]. For many years, APHC has amended the AFHSB categories. Most significantly, APHC identifies different diagnoses codes from the ICD-10-CM Diseases of the Musculoskeletal System chapter (Chapter 14) as injuries.

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## UPDATE FY 2019, PHIP No. 12-01-0717, December 2018

Figure 1 displays a graphical example of the APHC annual summary of the annual relative burden of injuries and diseases (using preliminary 2017 dataset for Active Duty Army primary diagnosis codes all encounters). Unlike incident injury reports, surveillance of the overall medical burden includes all medical encounters including follow-ups, sequelae. The injury category also includes conditions identified as long-term effects of injuries (LTE). An initial evaluation of injury codes conducted in April 2018 (Appendix B) ensured musculoskeletal (MSK) LTE diagnoses associated with prior injuries were properly identified in updated APHC burden reports.



**Figure 1. Annual Active Duty Army burden of disease and injury applying twenty-six (26) modified AFHSB diagnosis categories (preliminary 2017 data)**

## 4 METHODS

### 4.1 New FY 2019 Codes

The FY19 ICD-10-CM code revisions, effective October 1, 2018, represent the third 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. Appendix C summarizes the breakdown of chapters that contained ICD-10-CM FY 2017 injury codes used in the initial APHC injury taxonomy code list. The APHC updated the codes in December 2017 to include the FY 2018 CDC update.

For this 2019 CDC update there were a total 473 code changes: 279 new codes, 143 revised codes and 51 deactivated codes [reference 2, 3]. Subject matter experts (SME) of the APHC Injury Prevention Division and the Disease Surveillance Division (Division Chief MS) reviewed these codes to determine which diagnoses categories each should be assigned. Injuries were assigned in accordance with methodology and definitions described in the original taxonomy PHIP [reference 1].

## 4.2 Categorizing the Burden of Injuries and Disease

As part of this current update of ICD-10-CM codes, the APHC SME team assigned ICD-10-CM diagnoses that were not categorized as injuries to one of the twenty-five other AFHSB-based burden diagnosis categories to present the overall medical burden in various APHC products [references 4, 5]. The basis for the twenty-six categories is unclear, as they do not align with ICD-10-CM (or ICD-9-CM) chapters, nor does the DHA-cited source describe such categories [references 11, 12]. Most prior APHC products combined the 10-15 categories with the fewest encounters together as “Other” in order to emphasize the top ten burden categories; but as a result, the categories included in the top ten often changed year-to-year. The SME team recognized that it was necessary to improve the current methodology and provide a standardized basis to group burden categories for consistent presentation. Therefore, as part of the initial effort to update the APHC injury taxonomy to include the new WHO/CDC ICD-10-CM injury diagnosis codes, the APHC SME team also evaluated the existing AFHSB burden categories. A logical, standardized approach to reduce the number of burden categories by combining previous categories is proposed.

## 5 RESULTS & FINDINGS

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### 5.1 New FY 2019 Codes

Appendix D lists the new codes from the WHO/CDC’s ICD-10-CM FY19 update and the APHC consensus burden categories for these diagnoses. Table 1 summarizes the new codes that were identified as incident injuries. The new, revised, and deactivated codes were updated in the APHC’s master Injury Taxonomy Excel® spreadsheet along with corresponding injury categories, sub-categories, body regions, and injury types.

The 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 an injury that met the injury taxonomy definition [reference 1]. However, during the evaluation of these codes, the APHC SME team noted some new diagnosis codes which will require re-evaluation after they have been used, to ensure that providers are utilizing the diagnosis codes to describe an injury that meets the established injury definition. In particular, codes M79.1\*\* for myalgia could be used for muscle pain associated with MSK tissue damage (inflammation) associated with an injury, or for pain associated with a disease (e.g., influenza). The team decided to categorize the myalgia diagnosis as an acute MSK injury until adequate data is available (potentially by FY2020) to evaluate how Army providers use this code.

The team also decided re-re-evaluate a few of the taxonomy subgroups and ICD codes in the “Other and Unspecified” category. The issue was initially raised for the sub-category of injuries grouped as “Other, Intentional, abuse.” due to the new ICD-10-CM T74.5 to T76 codes for forced labor and sexual exploitation. The team considered the possibility that use of an intentional or abuse code as first diagnosis may be more likely to reflect psychological trauma as opposed to a physical injury. Per the 2016 published data this sub-category represented 0.48% (5,412) of Army incident injuries [reference 1]. The team agreed to retain the sub-category and add the new T74.5 to T76 codes category for this update but to re-evaluate the sub-category prior to future updates.

During the re-evaluation of the “Other and Unspecified” category, some of the T15-T19 codes were also reviewed due to a few inconsistencies in the initial taxonomy report [reference 1]. Clarification were made to differentiate injuries caused by foreign bodies. Per the original taxonomy, injuries to the eye and ear were retained as acute non-musculoskeletal (eye included T1500-T1592; ear included T161-T169).

## **UPDATE FY 2019, PHIP No. 12-01-0717, December 2018**

Injuries caused by a foreign body in orifice that were not described as causing asphyxiation were grouped as “Other” in the sub-group “Food/foreign body in natural orifice.” These codes included T170-T171 (nose, nostril); T17208, T17218, T17228, T17298 (pharynx); T17318, T17328, T17398 (larynx); T17408, T17418, T17428, T17498 (trachea); T17518, T17528, T17598 (bronchus); T17808, T17818, T17828, T17898, T17908, T17918, T17928, T17998 (respiratory tract); T181-T199 (mouth, esophagus, stomach, small intestine, colon, anus and rectum, alimentary tract, urethra, bladder, vulva and vagina, penis, genitourinary tract). The remaining T15-T19 codes indicated that the foreign body caused asphyxiation, so were categorized as “Other” and grouped as “Lack of essential element.” these codes included: T17200, T17210, T17220, T17290 (pharynx, asphyxiation); T17310, T17320, T17390 (larynx, asphyxiation); T17400, T17410, T17420, T17490 (trachea, asphyxiation); T17510, T17520, T17590 (bronchus, asphyxiation); T17800, T17810, T17820, T17890, T17900, T17910, T17920, T17990 (respiratory tract, asphyxiation).

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

Table 2 describes how the original twenty-six DHA diagnosis categories align with the sixteen revised APHC burden categories. Appendix E provides a more detailed list of the associated burden sub-categories. This collapsed grouping of burden categories more closely aligns categories with ICD-10-CM chapters that the initial DHA/AFHSB categories (shown in Table 3). The resulting graphical display of these categories using the same data as shown in Figure 1 is presented in Figure 2.

**Table 1. Incident Injury ICD-10-CM Codes added to Injury Taxonomy, December 2018**

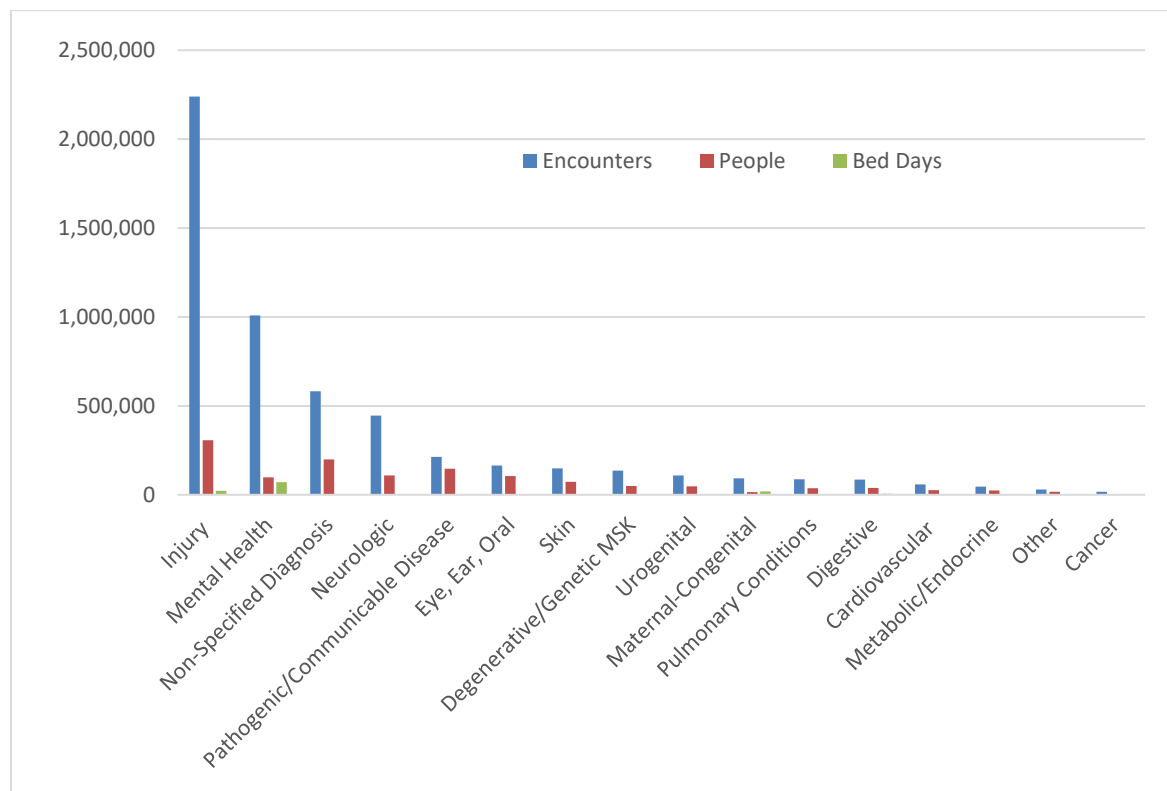
Energy category	ICD-10-CM Diagnosis Codes added to Taxonomy	Justification
<b>MECHANICAL- Acute MSK</b>	M79.1 Myalgia M79.10 Myalgia, unspecified site M79.11 Myalgia of mastication muscle M79.12 Myalgia of auxiliary muscles, head and neck M79.18 Myalgia, other site	Need to reevaluate how code is used after a year (conduct evaluation of medical records)
<b>NON-ENVIRONMENTAL, Poisoning, Drug</b>	T43.64** Poisoning by ecstasy	Consistent with injury by poisoning of other drugs, per taxonomy
<b>OTHER- Operative/Medical Complications</b>	N35.016 Post-traumatic urethral stricture, male, overlapping sites N99.116 Post-procedural urethral stricture, male, overlapping sites	Small number of encounters, may need re-evaluation
<b>OTHER- Abuse, Intentional</b>	T74.5** Forced sexual exploitation, confirmed T74.6** Forced labor exploitation, confirmed T76.5** Forced sexual exploitation, suspected	Consistent with existing Abuse/Intentional injury sub-category per taxonomy. Because diagnosis 1 for these codes may be indication of psychological trauma and not physical trauma this sub-category as a whole will be re-evaluated.
All follow ups encounters and sequaele for injury codes included in injury burden		

**Table 2. APHC sixteen burden of injury and disease diagnoses categories\***

26 DHA Categories	ICD-10-CM Chapters	New APHC 16 Categories	Notes
Injury	19,13,5,6,7,8,10,11,12	<b>INJURY</b>	DHA "Injury" did not include several MSK diagnoses that APHC included as cumulative injuries in previous APHC "Injury and Musculoskeletal (MSK)." Data shows for Army approximately 20-25 injuries are acute while >65% are cumulative MSK [reference 1].
Mental	5	<b>MENTAL HEALTH</b>	includes substance abuse, psychosis, sleep disorder; not death (no suicides)
Signs/symptoms	18	<b>NON-SPECIFIED DIAGNOSIS</b>	Includes abnormal clinical diagnostics and signs symptoms
Neurologic	6	<b>NEUROLOGIC</b>	Includes nervous system conditions, epilepsy, headaches
Headache	6		
Sense organ	7,8	<b>EYE, EAR, ORAL</b>	Includes eye condition (non-injury), hearing (non-injury), and oral (non-injuries) such as cavities and periodontal disease
Oral	11, 13		
Skin	12	<b>SKIN</b>	Contact dermatitis and skin diseases (not communicable/pathogen disease)
Musculoskeletal (MSK) disorders	13	<b>DEGENERATIVE &amp; GENETIC MSK</b>	Disorders and chronic conditions such as arthritis not associated with injury
Respiratory infections	1,10	<b>PATHOGENIC &amp; COMMUNICABLE DISEASE</b>	Includes infections (influenza, mumps), bacterial, pathogens (lymes, malaria)
Infection/parasite	1, 6, 7, 16		
Respiratory disease	10	<b>PULMONARY CONDITIONS</b>	Non-communicable or chronic condition (e.g., asthma, COPD)
Maternal	15	<b>MATERNAL, CONGENITAL</b>	Includes maternal and perinatal conditions, e.g., pregnancy and delivery, miscarriage, and congenital birth defects
Congenital	17		
Perinatal	16		
Genitourinary	14	<b>UROGENITAL</b>	Includes male and female genital conditions, menstrual disorders
Digestive	11	<b>DIGESTIVE</b>	Includes appendicitis, peptic ulcer, liver cirrhosis
Endocrine	4	<b>METABOLIC &amp; ENDOCRINE</b>	Includes diabetes
Metabolic/immune	3, 4		
Nutritional	4		
Diabetes	4		
Cardiovascular	9	<b>CARDIOVASCULAR</b>	Includes heart disease
Malignant neoplasm	2	<b>CANCER</b>	Malignant neoplasms, include leukemia
Other neoplasms	2	<b>OTHER</b>	Non-malignant neoplasms
Blood	3		Anemias and other blood condition hereditary and nonhereditary
Medical complication	Many		Non-injury post-procedural effects and effects from under-dosing

\*Categories reflect consolidation of DHA/AFHSB categories and APHC taxonomic changes AFHSB "injury" codes; Sub-categories for each category are presented in Appendix E





NOTE: Figure displays the same data as shown in Figure 1; data shown in Appendix F, includes gender breakdown

**Figure 2. Annual Active Duty Army burden of disease and injury, applying the sixteen (16) APHC diagnosis categories (preliminary 2017 dataset)**

## 6 CONCLUSIONS AND RECOMMENDATIONS

The master APHC injury taxonomy Excel® spreadsheet, updated to reflect the new codes and categories as described in this document, is available on request. The updated taxonomy code list is necessary for evaluating medical encounter data after ICD-10-CM implementation October 2018 to 30 September 2019. All ICD-10-CM records used after 1 October 2015 are covered.

Future evaluation is recommended of ICD-10CM codes for myalgia as well as intentional/abuse T-code diagnoses to determine whether these codes are appropriate for continued inclusion in the injury taxonomy.

## 7 POINT OF CONTACT

The APHC Injury Prevention Division is the point of contact for this project, e-mail [usarmy.apg.medcom-phc.mbx.injuryprevention@mail.mil](mailto:usarmy.apg.medcom-phc.mbx.injuryprevention@mail.mil), or phone number 410-436-4655, DSN 584-4655. Specific questions may be directed to authors listed at the front of this report.

## 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*. Prepared by Hauschild V, Hauret K, Richardson M, Lee T, and Jones BH. July 2017, Updated December 2017. Aberdeen Proving Ground, MD. <http://www.dtic.mil/docs/citations/AD1039481>
2. CDC. 2018. FY 2019 International Classification of Disease – Version 10 – Clinical Modifications (ICD-10-CM.update). <https://www.cdc.gov/nchs/icd/icd10cm.htm> Accessed October 2018. 3. U.S. Army Injury Surveillance Summary, 2015. (Slide 4, relative burden of injuries and diseases). <https://phc.amedd.army.mil/Periodical%20Library/USArmyInjurySurveillanceSummary2015.pdf>
3. Bryant, G. News Alert: FY2019 ICD-10-CM Changes have been released. June 2018. Accessed October 2018 at <https://www.icd10monitor.com/news-alert-fy2019-icd-10-cm-code-changes-have-been-released> )
4. APHC. 2018. Injury Surveillance of U.S. Army Active Duty, 2015. <https://phc.amedd.army.mil/news/Pages/PublicationDetails.aspx?type=Active%20Duty%20Army%20Injury%20Surveillance%20Summary>
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9. Hedegaard, H.B., R.L. Johnson, and M.F. Ballesteros MF. 2017. Proposed ICD–10–CM Surveillance Case Definitions for Injury Hospitalizations and Emergency Department Visits. *National Health Statistics Reports*. Number 100. January 23, 2017. <https://www.cdc.gov/nchs/data/nhsr/nhsr100.pdf>
10. Hauret, K.G., B.H. Jones, S.H. Bullock, M. Canham-Chervak, and S. Canada. 2010. Musculoskeletal Injuries: Description of an Under-Recognized Injury Problem among Military Personnel. *Am J Prev Med*. 2010, 38(1):S61-S70.
11. Defense Health Agency (DHA). 2017. Absolute and relative morbidity burden attributable to various illnesses and injuries, active component, US. Armed Forces, 2016. Medical Surveillance Monthly Report 24(4), 2-8. <https://health.mil/~link.aspx?id=534E26BD8E5D4ECC8CAA8ABA47679691&z=z>
12. Murray et al., *The Global Burden of Disease*, published on behalf of the World Health Organization, 1996

**Appendix B**

**Memorandum for Record (MFR), April 2018  
Addition of ICD-10-CM Codes to Injury Taxonomy**

UPDATE FY 2019, PHIP No. 12-01-0717, December 2018

DATE: 23 April 2018

Memorandum for Record

SUBJECT: Addition of ICD-10-CM Codes to Injury Taxonomy

1. References.

a. Army Public Health Center. 2017. Public Health Information Paper (PHIP) No. 12-01-0717: A Taxonomy of Injuries for Public Health Monitoring & Reporting. Prepared by Hauschild VD, Hauret K, Richardson M, Lee T, and Jones BH. July 2017, Updated December 2017. Aberdeen Proving Ground, MD. <http://www.dtic.mil/docs/citations/AD1039481>

b. Defense Health Agency. 2017. Absolute and relative morbidity burden attributable to various illnesses and injuries, active component, US. Armed Forces, 2016. *Medical Surveillance Monthly Report* 24(4), 2-8. <https://health.mil/~link.aspx?id=534E26BD8E5D4ECC8CAA8ABA47679691&z=z>

c. Army Public Health Center (Provisional). 2016. Briefing slides: US Army Injury Surveillance Summary, 2014. <https://phc.amedd.army.mil/news/Pages/PeriodicPublications.aspx>

2. Purpose. This MFR expands on the Army Public Health Center (APHC) Injury Prevention Division (IPD) taxonomy of injuries, which designates specific International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes as incident injuries and injury-related long-term effects to the musculoskeletal (MSK) system (reference a).

3. Background.

a. The APHC-IPD injury taxonomy (reference a) defines injury categories based on the type of causal external energy transfer and assigns applicable ICD-10-CM diagnosis codes to each category. The total number of injuries represented by all energy transfer categories defines "all injuries." These ICD-10-CM codes were established by the APHC-IPD to obtain injury medical data obtained after October 2017 (the date the ICD-10-CM codes were implemented for use in medical records). The APHC injury taxonomy (reference a) was last updated in December 2017 to incorporate the annual changes and additional 2018 ICD-10-CM codes released by the Centers for Disease Control and Prevention. A November 2017 Addendum to the injury taxonomy also designated standardized body regions (Body Region 1 and 2) and injury types for each incident encounter ICD-10-CM code meeting the definition of injury.

b. In the documentation of the injury taxonomy (reference a), the APHC-IPD also identified ICD-10-CM codes that are not incident injuries, but that are long-term effects (LTE) presumed to be the result of a prior injury to the MSK system. The MSK LTE diagnoses codes are not considered to be "injuries," but are examples of conditions that should be included in efforts that

estimated the overall burden of injuries to the medical system. Other ICD-10-CM codes to include in injury burden include sequelae and follow-up visits. Long-term effects to other body systems (non-MSK) and associated ICD-10-CM codes were not previously determined but noted as potential additional codes to consider when estimating the overall burden of injuries.

c. The Defense Health Agency (DHA) Armed Forces Health Surveillance Branch defines morbidity burden categories for disease, illness, and injury medical encounters (reference b). As reinforced by the injury taxonomy (reference a), the APHC-IPD has historically expanded the DHA's associated list of ICD codes to include cumulative micro-traumatic MSK tissue damage diagnoses in the "injury category" when reporting the relative burden of injuries (reference c).

4. Method. To be consistent with the revised injury definition (reference a), ICD-10-CM codes captured as an "injury" in morbidity definitions (reference b) were reviewed and compared to the injury taxonomy codes (reference a). Though the APHC 2017 injury taxonomy (reference a) includes a broader set of injury diagnoses, this current exploration revealed that some specific ICD codes used in prior APHC-IPD burden efforts (reference c) were not captured in the 2017 injury taxonomy code list (reference a). All of the codes that had been included as injuries in prior burden efforts (reference b) were evaluated by APHC subject matter experts for a final determination of which codes should be added to the injury taxonomy as "incident injuries."

5. Results. Table 1 presents the list of added ICD-10-CM codes in specified energy categories with the rationale for which they were determined to meet the APHC-IPD 2017 definition of incident injury (detailed in APHC 2017). Though several codes in prior burden efforts (reference b) were determined not to meet the injury definition and are thus not added, these added codes met the recommended injury definition and had unintentionally been excluded from original injury taxonomy list. Table 2 presents the descriptions of these codes and the designated body regions and injury types. These codes have now been added as incident injuries in the official APHC-IPD injury taxonomy Excel® spreadsheet. In addition to incident injury codes, some additional ICD-10-CM codes were determined to be injury-related sequelae to injuries to be included in injury burden analyses.

6. Conclusion and Recommendations. The IPD's 20 March 2018 injury taxonomy Excel® spreadsheet, should be used for APHC injury projects initiated on or after this date.

Injury Prevention Division  
Clinical Public Health and Epidemiology Directorate  
Army Public Health Center

Table 1. Injury Energy Transfer Categories with Added ICD-10-CM Incident Injury Codes and Rationale

Energy category (Table 7, PHIP No. 12-01-0717)	ICD-10-CM Diagnosis Codes added to Taxonomy					Justification
OTHER- Operative/Medical Complications	D7801-2 D7821-2 D7831-2 D7881-9	G8912-8 G970 G972 G9731-2 G9751-2 G9761-2 G9781-2	H05421-9 H59011-9 H59021-9 H59311-9 H59321-9 H59331-9 H59341-9 H59811-9 H5988-9 H9521-2 H9541-2 H9551-2 H95811-9 H9588-9	J9501 J9504 J955 J9561-2 J95811-2 J95830-1 J95860-1 J9588-9	L7601-2 L7621-2 L7631-2	These diagnosis codes for post-procedural complications represent tissue damage caused by an external energy source, which meets the definition of injury.
	E3601-2 E368 E89810-2 E8989	I97410-8 I9742 I97610-8 I9762 I97630-8 I97640	K9161-2 K9181 K91840-2 K91870-1	N99112-5 N9912 N9961-2 N9971-2 N99811 N9920-1 N99840-1 N9989	NOTE: Diagnosis codes for post-procedural seromas are not included, as these may arise physiologically and not necessarily as a result of external energy.	
OTHER- Operative/Medical Accidents	D7811-2	H59211-9	I9751-2	J9571-2	L7611-2	These diagnosis codes for medical accidents represent tissue damage caused by an external energy source, which meets the definition of injury.
	E3611-2	H59221-9		K9171-2		
	G9741-9	H9531-2				
MECHANICAL- CUMULATIVE MSK	M50020-3 M05020-3 M50820-3 M50920-3 M50120-3					These diagnosis codes for cervical disc disorders and displacements are musculoskeletal injuries that can be caused by a variety of occupational and physical training activities.
MECHANICAL- ACUTE Non-MSK	H26121-9 H31401-9 H31411-9 H31421-9 H31301-9					Especially in military populations, these diagnosis codes for traumatic cataracts and choroidal detachments represent damage to eye tissue that is most likely the result of acute trauma to the head.
MECHANICAL- CUMULATIVE Non-MSK	G5753					This diagnosis code for tarsal tunnel syndrome was intended to have been included in the original taxonomy version. Similar codes had already been included.
OTHER- Foreign body/food	T17828A					This diagnosis code for injury caused by food in the respiratory tract was intended to have been included in the original taxonomy version. Similar codes were already incorporated.
<p><b>G8921</b>, Chronic pain due to trauma, <b>G8922</b>, Chronic post-thoracotomy pain, and <b>G8928</b>, Other chronic postprocedural pain were all determined to be NOT be incident injuries but instead were categorized as Long-Term Non-MSK Effects - as sequelae to injuries, as they are caused by external energy (trauma)</p>						

## Appendix C

### FY 2017 ICD-10-CM Chapters and Code Series in the Injury Taxonomy

Table C-1. FY 2017 ICD-10-CM Chapters and Code Series included in the Injury Taxonomy

Chapter Codes	ICD-10 Chapter Title	# initial codes <sup>†</sup>	% of all injury codes <sup>†</sup>	
1	A00-B99	Certain infectious and parasitic diseases	0	0.00%
2	C00-D49	Neoplasms	0	0.00%
3	D50-D89	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	0	0.00%
4	E00-E89	Endocrine, nutritional and metabolic diseases	1	0.01%
5	F01-F99	Mental, Behavioral and Neurodevelopmental disorders	0	0.00%
6	G00-G99	Diseases of the nervous system	62	0.49%
7	H00-H59	Diseases of the eye and adnexa	77	0.61%
8	H60-H95	Diseases of the ear and mastoid process	18	0.14%
9	I00-I99	Diseases of the circulatory system	0	0.00%
10	J00-J99	Diseases of the respiratory system	11	0.09%
11	K00-K95	Diseases of the digestive system	10	0.08%
12	L00-L99	Diseases of the skin and subcutaneous tissue	6	0.05%
13 <sup>a</sup>	M00-M99	Diseases of the MSK system and connective tissue	851	6.71%
14	N00-N99	Diseases of the genitourinary system	0	0.00%
15	O00-O9A	Pregnancy, childbirth and the puerperium	0	0.00%
16	P00-P96	Certain conditions originating in the perinatal period	0	0.00%
17	Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities	0	0.00%
18	R00-R99	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	1	0.01%
19 <sup>b-d</sup>	S00-T88 <sup>†</sup>	Injury, poisoning and certain other consequences of external causes	11,592	91.33%
20 <sup>e</sup>	V00-Y99	External causes of morbidity	<i>Non-diagnostic code</i>	
21 <sup>f</sup>	Z00-Z99	Factors influencing health /contact with health services	<i>Other encounter reason</i>	

\*Primary indicates a diagnosis (dx) code  
<sup>†</sup> Total 2016 ICD-10-CM (reference 1) initial encounter injury codes ~ 12,629  
<sup>a</sup> ICD-10-CM Chapter 13 M-codes include several MSK overuse injuries.  
<sup>b</sup> ICD-10-CM, Chapter 19 traditional trauma "injury" codes.  
<sup>c</sup> S-codes (n=8,573; 67.6% all injury codes) note initial encounters (A-C), subsequent encounters (D-R), or sequela encounters (S).  
<sup>d</sup> T-codes (n=3,019; 23.8% all injury codes) include poisonings, effects to unspecified body regions, and certain other consequences of specific external causes (e.g., heat, cold, altitude).  
<sup>e</sup> V/Y-codes are secondary to primary dx code - describe specific circumstances of the encounter.  
<sup>f</sup> Z-codes are for medical encounters for other than a classifiable disease, injury or external cause, such as visits for routine examinations, vaccinations, organ or tissue donation, or blood typing.

## Appendix D

### Assignment of New FY2019 ICD-10-CM Codes



**Table D-1. Assignment of New FY2019 ICD-10-CM Codes**

<b>Dx1</b>	<b>Description</b>	<b>Category</b>	<b>New APHC Category</b>	<b>SUBCATEGORY</b>
C43.11	Malignant melanoma of right eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C43.111	Malignant melanoma of right upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C43.112	Malignant melanoma of right lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C43.12	Malignant melanoma of left eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C43.121	Malignant melanoma of left upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C43.122	Malignant melanoma of left lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.102	Unspecified malignant neoplasm of skin of right eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1021	Unspecified malignant neoplasm of skin of right upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1022	Unspecified malignant neoplasm of skin of right lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.109	Unspecified malignant neoplasm of skin of left eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1091	Unspecified malignant neoplasm of skin of left upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1092	Unspecified malignant neoplasm of skin of left lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.112	Basal cell carcinoma of skin of right eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1121	Basal cell carcinoma of skin of right upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1122	Basal cell carcinoma of skin of right lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.119	Basal cell carcinoma of skin of left eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1191	Basal cell carcinoma of skin of left upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1192	Basal cell carcinoma of skin of left lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.122	Squamous cell carcinoma of skin of right eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1221	Squamous cell carcinoma of skin of right upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1222	Squamous cell carcinoma of skin of right lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.129	Squamous cell carcinoma of skin of left eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1291	Squamous cell carcinoma of skin of left upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1292	Squamous cell carcinoma of skin of left lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.13	Sebaceous cell carcinoma of skin of eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers

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C44.131	Sebaceous cell carcinoma of skin of unspecified eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.132	Sebaceous cell carcinoma of skin of right eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1321	Sebaceous cell carcinoma of skin of right upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1322	Sebaceous cell carcinoma of skin of right lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.139	Sebaceous cell carcinoma of skin of left eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1391	Sebaceous cell carcinoma of skin of left upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1392	Sebaceous cell carcinoma of skin of left lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.192	Other specified malignant neoplasm of skin of right eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1921	Other specified malignant neoplasm of skin of right upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1922	Other specified malignant neoplasm of skin of right lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.199	Other specified malignant neoplasm of skin of left eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1991	Other specified malignant neoplasm of skin of left upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C44.1992	Other specified malignant neoplasm of skin of left lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C4A.11	Merkel cell carcinoma of right eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C4A.111	Merkel cell carcinoma of right upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C4A.112	Merkel cell carcinoma of right lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C4A.12	Merkel cell carcinoma of left eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C4A.121	Merkel cell carcinoma of left upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
C4A.122	Merkel cell carcinoma of left lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
D03.11	Melanoma in situ of right eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
D03.111	Melanoma in situ of right upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
D03.112	Melanoma in situ of right lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
D03.12	Melanoma in situ of left eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
D03.121	Melanoma in situ of left upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
D03.122	Melanoma in situ of left lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
D04.11	Carcinoma in situ of skin of right eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
D04.111	Carcinoma in situ of skin of right upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers

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D04.112	Carcinoma in situ of skin of right lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
D04.12	Carcinoma in situ of skin of left eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
D04.121	Carcinoma in situ of skin of left upper eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
D04.122	Carcinoma in situ of skin of left lower eyelid, including canthus	Malignant neoplasms	CANCER	Melanoma and other skin cancers
D22.11	Melanocytic nevi of right eyelid, including canthus	Other neoplasms	OTHER	Benign skin neoplasm
D22.111	Melanocytic nevi of right upper eyelid, including canthus	Other neoplasms	OTHER	Benign skin neoplasm
D22.112	Melanocytic nevi of right lower eyelid, including canthus	Other neoplasms	OTHER	Benign skin neoplasm
D22.12	Melanocytic nevi of left eyelid, including canthus	Other neoplasms	OTHER	Benign skin neoplasm
D22.121	Melanocytic nevi of left upper eyelid, including canthus	Other neoplasms	OTHER	Benign skin neoplasm
D22.122	Melanocytic nevi of left lower eyelid, including canthus	Other neoplasms	OTHER	Benign skin neoplasm
D23.11	Other benign neoplasm of skin of right eyelid, including canthus	Other neoplasms	OTHER	Benign skin neoplasm
D23.111	Other benign neoplasm of skin of right upper eyelid, including canthus	Other neoplasms	OTHER	Benign skin neoplasm
D23.112	Other benign neoplasm of skin of right lower eyelid, including canthus	Other neoplasms	OTHER	Benign skin neoplasm
D23.12	Other benign neoplasm of skin of left eyelid, including canthus	Other neoplasms	OTHER	Benign skin neoplasm
D23.121	Other benign neoplasm of skin of left upper eyelid, including canthus	Other neoplasms	OTHER	Benign skin neoplasm
D23.122	Other benign neoplasm of skin of left lower eyelid, including canthus	Other neoplasms	OTHER	Benign skin neoplasm
E72.8	Other specified disorders of amino-acid metabolism	Metabolic and immunity disorders	METABOLIC & ENDOCRINE	Other metabolic disorders
E72.81	Disorders of gamma aminobutyric acid metabolism	Metabolic and immunity disorders	METABOLIC & ENDOCRINE	Other metabolic disorders
E72.89	Other specified disorders of amino-acid metabolism	Metabolic and immunity disorders	METABOLIC & ENDOCRINE	Other metabolic disorders
E75.26	Sulfatase deficiency	Metabolic and immunity disorders	METABOLIC & ENDOCRINE	Lipoid metabolism disorders
E78.4	Other hyperlipidemia	Metabolic and immunity disorders	METABOLIC & ENDOCRINE	Other metabolic disorders
E78.41	Elevated Lipoprotein(a)	Metabolic and immunity disorders	METABOLIC & ENDOCRINE	Other metabolic disorders
E78.49	Other hyperlipidemia	Metabolic and immunity disorders	METABOLIC & ENDOCRINE	Other metabolic disorders
E88.02	Plasminogen deficiency	Metabolic and immunity disorders	METABOLIC & ENDOCRINE	Other metabolic disorders
F12.23	Cannabis dependence with withdrawal	Mental disorders	MENTAL HEALTH	Substance abuse disorders
F12.93	Cannabis use, unspecified with withdrawal	Mental disorders	MENTAL HEALTH	Substance abuse disorders
F53	Mental and behavioral disorders associated with the puerperium, NEC	Mental disorders	MENTAL HEALTH	All other mental disorders
F53.0	Postpartum depression	Mental disorders	MENTAL HEALTH	All other mental disorders

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F53.1	Puerperal psychosis	Mental disorders	MENTAL HEALTH	All other mental disorders
F68.A	Factitious disorder imposed on another	Mental disorders	MENTAL HEALTH	Personality
G51.3	Clonic hemifacial spasm	Neurologic conditions	NEUROLOGIC	All other neurologic conditions
G51.31	Clonic hemifacial spasm, right	Neurologic conditions	NEUROLOGIC	All other neurologic conditions
G51.32	Clonic hemifacial spasm, left	Neurologic conditions	NEUROLOGIC	All other neurologic conditions
G51.33	Clonic hemifacial spasm, bilateral	Neurologic conditions	NEUROLOGIC	All other neurologic conditions
G51.39	Clonic hemifacial spasm, unspecified	Neurologic conditions	NEUROLOGIC	All other neurologic conditions
G71.0	Muscular dystrophy	Neurologic conditions	NEUROLOGIC	All other neurologic conditions
G71.00	Muscular dystrophy, unspecified	Neurologic conditions	NEUROLOGIC	All other neurologic conditions
G71.01	Duchenne or Becker muscular dystrophy	Neurologic conditions	NEUROLOGIC	All other neurologic conditions
G71.02	Facioscapulohumeral muscular dystrophy	Neurologic conditions	NEUROLOGIC	All other neurologic conditions
G71.09	Other specified muscular dystrophies	Neurologic conditions	NEUROLOGIC	All other neurologic conditions
H01.00A	Unspecified blepharitis right eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H01.00B	Unspecified blepharitis left eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H01.01A	Ulcerative blepharitis right eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H01.01B	Ulcerative blepharitis left eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H01.02A	Squamous blepharitis right eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H01.02B	Squamous blepharitis left eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.15	Paralytic ectropion of eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.151	Paralytic ectropion of right upper eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.152	Paralytic ectropion of right lower eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.153	Paralytic ectropion of right eye, unspecified eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.154	Paralytic ectropion of left upper eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.155	Paralytic ectropion of left lower eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.156	Paralytic ectropion of left eye, unspecified eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.159	Paralytic ectropion of unspecified eye, unspecified eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.20A	Unspecified lagophthalmos right eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.20B	Unspecified lagophthalmos left eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.20C	Unspecified lagophthalmos, bilateral, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.21A	Cicatricial lagophthalmos right eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.21B	Cicatricial lagophthalmos left eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye

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H02.21C	Cicatricial lagophthalmos, bilateral, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.22A	Mechanical lagophthalmos right eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.22B	Mechanical lagophthalmos left eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.22C	Mechanical lagophthalmos, bilateral, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.23A	Paralytic lagophthalmos right eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.23B	Paralytic lagophthalmos left eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.23C	Paralytic lagophthalmos, bilateral, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.88	Meibomian gland dysfunction of eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.881	Meibomian gland dysfunction right upper eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.882	Meibomian gland dysfunction right lower eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.883	Meibomian gland dysfunction of right eye, unspecified eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.884	Meibomian gland dysfunction left upper eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.885	Meibomian gland dysfunction left lower eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.886	Meibomian gland dysfunction of left eye, unspecified eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.889	Meibomian gland dysfunction of unspecified eye, unspecified eyelid	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.88A	Meibomian gland dysfunction right eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H02.88B	Meibomian gland dysfunction left eye, upper and lower eyelids	Sense organ diseases	EYE, EAR, ORAL	Eye
H10.82	Rosacea conjunctivitis	Sense organ diseases	EYE, EAR, ORAL	Eye
H10.821	Rosacea conjunctivitis, right eye	Sense organ diseases	EYE, EAR, ORAL	Eye
H10.822	Rosacea conjunctivitis, left eye	Sense organ diseases	EYE, EAR, ORAL	Eye
H10.823	Rosacea conjunctivitis, bilateral	Sense organ diseases	EYE, EAR, ORAL	Eye
H10.829	Rosacea conjunctivitis, unspecified eye	Sense organ diseases	EYE, EAR, ORAL	Eye
H57.8	Other specified disorders of eye and adnexa	Sense organ diseases	EYE, EAR, ORAL	Eye
H57.81	Brow ptosis	Sense organ diseases	EYE, EAR, ORAL	All other sense organ diseases
H57.811	Brow ptosis, right	Sense organ diseases	EYE, EAR, ORAL	All other sense organ diseases
H57.812	Brow ptosis, left	Sense organ diseases	EYE, EAR, ORAL	All other sense organ diseases
H57.813	Brow ptosis, bilateral	Sense organ diseases	EYE, EAR, ORAL	All other sense organ diseases
H57.819	Brow ptosis, unspecified	Sense organ diseases	EYE, EAR, ORAL	All other sense organ diseases
H57.89	Other specified disorders of eye and adnexa	Sense organ diseases	EYE, EAR, ORAL	All other sense organ diseases
I63.8	Other cerebral infarction	Cardiovascular diseases	CARDIOVASCULAR	Cerebrovascular disease
I63.81	Other cerebral infarction due to occlusion or stenosis of small artery	Cardiovascular diseases	CARDIOVASCULAR	Cerebrovascular disease

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I63.89	Other cerebral infarction	Cardiovascular diseases	CARDIOVASCULAR	Cerebrovascular disease
I67.85	Hereditary cerebrovascular diseases	Cardiovascular diseases	CARDIOVASCULAR	Cerebrovascular disease
I67.850	Cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy	Cardiovascular diseases	CARDIOVASCULAR	Cerebrovascular disease
I67.858	Other hereditary cerebrovascular disease	Cardiovascular diseases	CARDIOVASCULAR	Cerebrovascular disease
K35.2	Acute appendicitis with generalized peritonitis	Digestive diseases	DIGESTIVE	Appendicitis
K35.20	Acute appendicitis with generalized peritonitis, without abscess	Digestive diseases	DIGESTIVE	Appendicitis
K35.21	Acute appendicitis with generalized peritonitis, with abscess	Digestive diseases	DIGESTIVE	Appendicitis
K35.3	Acute appendicitis with localized peritonitis	Digestive diseases	DIGESTIVE	Appendicitis
K35.30	Acute appendicitis with localized peritonitis, without perforation or gangrene	Digestive diseases	DIGESTIVE	Appendicitis
K35.31	Acute appendicitis with localized peritonitis and gangrene, without perforation	Digestive diseases	DIGESTIVE	Appendicitis
K35.32	Acute appendicitis with perforation and localized peritonitis, without abscess	Digestive diseases	DIGESTIVE	Appendicitis
K35.33	Acute appendicitis with perforation and localized peritonitis, with abscess	Digestive diseases	DIGESTIVE	Appendicitis
K35.89	Other acute appendicitis	Digestive diseases	DIGESTIVE	Appendicitis
K35.890	Other acute appendicitis without perforation or gangrene	Digestive diseases	DIGESTIVE	Appendicitis
K35.891	Other acute appendicitis without perforation, with gangrene	Digestive diseases	DIGESTIVE	Appendicitis
K61.3	Ischiorectal abscess	Digestive diseases	DIGESTIVE	All other digestive diseases
K61.31	Horseshoe abscess	Digestive diseases	DIGESTIVE	All other digestive diseases
K61.39	Other ischiorectal abscess	Digestive diseases	DIGESTIVE	All other digestive diseases
K61.5	Supralevator abscess	Digestive diseases	DIGESTIVE	All other digestive diseases
K82.A	Disorders of gallbladder in diseases classified elsewhere	Digestive diseases	DIGESTIVE	All other digestive diseases
K82.A1	Gangrene of gallbladder in cholecystitis	Digestive diseases	DIGESTIVE	All other digestive diseases
K82.A2	Perforation of gallbladder in cholecystitis	Digestive diseases	DIGESTIVE	All other digestive diseases
K83.0	Cholangitis	Digestive diseases	DIGESTIVE	All other digestive diseases
K83.01	Primary sclerosing cholangitis	Digestive diseases	DIGESTIVE	All other digestive diseases
K83.09	Other cholangitis	Digestive diseases	DIGESTIVE	All other digestive diseases
M79.1	Myalgia	Injury and poisoning	INJURY	Mechanical - Acute musculoskeletal
M79.10	Myalgia, unspecified site	Injury and poisoning	INJURY	Mechanical - Acute musculoskeletal
M79.11	Myalgia of mastication muscle	Injury and poisoning	INJURY	Mechanical - Acute musculoskeletal
M79.12	Myalgia of auxiliary muscles, head and neck	Injury and poisoning	INJURY	Mechanical - Acute musculoskeletal
M79.18	Myalgia, other site	Injury and poisoning	INJURY	Mechanical - Acute musculoskeletal

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N35.016	Post-traumatic urethral stricture, male, overlapping sites	Injury and poisoning	INJURY	Other injury - Operative/medical complications
N35.116	Postinfective urethral stricture, NEC, male, overlapping sites	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.8	Other urethral stricture	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.81	Other urethral stricture, male	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.811	Other urethral stricture, male, meatal	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.812	Other urethral bulbous stricture, male	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.813	Other membranous urethral stricture, male	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.814	Other anterior urethral stricture, male, anterior	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.816	Other urethral stricture, male, overlapping sites	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.819	Other urethral stricture, male, unspecified site	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.82	Other urethral stricture, female	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.9	Urethral stricture, unspecified	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.91	Urethral stricture, unspecified, male	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.911	Unspecified urethral stricture, male, meatal	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.912	Unspecified bulbous urethral stricture, male	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.913	Unspecified membranous urethral stricture, male	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.914	Unspecified anterior urethral stricture, male	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.916	Unspecified urethral stricture, male, overlapping sites	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.919	Unspecified urethral stricture, male, unspecified site	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N35.92	Unspecified urethral stricture, female	Genito-urinary diseases	UROGENITAL	All other genito-urinary diseases
N99.116	Postprocedural urethral stricture, male, overlapping sites	Injury and poisoning	INJURY	Other, Medical complication
O30.13	Triplet pregnancy, trichorionic/triamniotic	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O30.131	Triplet pregnancy, trichorionic/triamniotic, first trimester	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O30.132	Triplet pregnancy, trichorionic/triamniotic, second trimester	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O30.133	Triplet pregnancy, trichorionic/triamniotic, third trimester	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O30.139	Triplet pregnancy, trichorionic/triamniotic, unspecified trimester	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O30.23	Quadruplet pregnancy, quadrachorionic/quadra-amniotic	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders

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O30.231	Quadruplet pregnancy, quadrachorionic/quadra-amniotic, first trimester	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O30.232	Quadruplet pregnancy, quadrachorionic/quadra-amniotic, second trimester	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O30.233	Quadruplet pregnancy, quadrachorionic/quadra-amniotic, third trimester	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O30.239	Quadruplet pregnancy, quadrachorionic/quadra-amniotic, unspecified trimester	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O30.83	Other specified multiple gestation, number of chorions and amnions are both equal to the number of fetuses	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O30.831	Other specified multiple gestation, number of chorions and amnions are both equal to the number of fetuses, first trimester	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O30.832	Other specified multiple gestation, number of chorions and amnions are both equal to the number of fetuses, second trimester	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O30.833	Other specified multiple gestation, number of chorions and amnions are both equal to the number of fetuses, third trimester	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O30.839	Other specified multiple gestation, number of chorions and amnions are both equal to the number of fetuses, unspecified trimester	Maternal conditions	MATERNAL & CONGENITAL	All other maternal disorders
O86.0	Infection of obstetric surgical wound	Maternal conditions	MATERNAL & CONGENITAL	Puerperium complications
O86.00	Infection of obstetric surgical wound, unspecified	Maternal conditions	MATERNAL & CONGENITAL	Puerperium complications
O86.01	Infection of obstetric surgical wound, superficial incisional site	Maternal conditions	MATERNAL & CONGENITAL	Puerperium complications
O86.02	Infection of obstetric surgical wound, deep incisional site	Maternal conditions	MATERNAL & CONGENITAL	Puerperium complications
O86.03	Infection of obstetric surgical wound, organ and space site	Maternal conditions	MATERNAL & CONGENITAL	Puerperium complications
O86.04	Sepsis following an obstetrical procedure	Maternal conditions	MATERNAL & CONGENITAL	Puerperium complications
O86.09	Infection of obstetric surgical wound, other surgical site	Maternal conditions	MATERNAL & CONGENITAL	Puerperium complications
P02.7	Newborn affected by chorioamnionitis	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P02.70	Newborn affected by fetal inflammatory response syndrome	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P02.78	Newborn affected by other conditions from chorioamnionitis	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.1	Newborn affected by other maternal medication	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.11	Newborn affected by maternal antineoplastic chemotherapy	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.12	Newborn affected by maternal cytotoxic drugs	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies



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P04.13	Newborn affected by maternal use of anticonvulsants	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.14	Newborn affected by maternal use of opiates	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.15	Newborn affected by maternal use of antidepressants	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.16	Newborn affected by maternal use of amphetamines	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.17	Newborn affected by maternal use of sedative-hypnotics	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.18	Newborn affected by other maternal medication	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.19	Newborn affected by maternal use of unspecified medication	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.1A	Newborn affected by maternal use of anxiolytics	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.40	Newborn affected by maternal use of unspecified drugs of addiction	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.42	Newborn affected by maternal use of hallucinogens	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.8	Newborn affected by other maternal noxious substances	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.81	Newborn affected by maternal use of cannabis	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P04.89	Newborn affected by other maternal noxious substances	Conditions arising during the perinatal period	MATERNAL & CONGENITAL	All other perinatal anomalies
P35.4	Congenital Zika virus disease	Infectious and parasitic diseases	PATHOGEN & COMMUNICABLE	All other infectious and parasitic diseases
P74.2	Disturbances of sodium balance of newborn	Conditions arising during the perinatal period	PERINATAL & CONGENITAL	All other perinatal anomalies
P74.21	Hypernatremia of newborn	Conditions arising during the perinatal period	PERINATAL & CONGENITAL	All other perinatal anomalies
P74.22	Hyponatremia of newborn	Conditions arising during the perinatal period	PERINATAL & CONGENITAL	All other perinatal anomalies
P74.3	Disturbances of potassium balance of newborn	Conditions arising during the perinatal period	PERINATAL & CONGENITAL	All other perinatal anomalies
P74.31	Hyperkalemia of newborn	Conditions arising during the perinatal period	PERINATAL & CONGENITAL	All other perinatal anomalies
P74.32	Hypokalemia of newborn	Conditions arising during the perinatal period	PERINATAL & CONGENITAL	All other perinatal anomalies
P74.4	Other transitory electrolyte disturbances of newborn	Conditions arising during the perinatal period	PERINATAL & CONGENITAL	All other perinatal anomalies
P74.41	Alkalosis of newborn	Conditions arising during the perinatal period	PERINATAL & CONGENITAL	All other perinatal anomalies
P74.42	Disturbances of chlorine balance of newborn	Conditions arising during the perinatal period	PERINATAL & CONGENITAL	All other perinatal anomalies
P74.421	Hyperchloremia of newborn	Conditions arising during the perinatal period	PERINATAL & CONGENITAL	All other perinatal anomalies
P74.422	Hypochloremia of newborn	Conditions arising during the perinatal period	PERINATAL & CONGENITAL	All other perinatal anomalies
P74.49	Other transitory electrolyte disturbance of newborn	Conditions arising during the perinatal period	PERINATAL & CONGENITAL	All other perinatal anomalies
Q51.2	Other doubling of uterus	Congenital anomalies	PERINATAL & CONGENITAL	All other congenital anomalies

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Q51.20	Other doubling of uterus, unspecified	Congenital anomalies	MATERNAL & CONGENITAL	All other congenital anomalies
Q51.21	Other complete doubling of uterus	Congenital anomalies	MATERNAL & CONGENITAL	All other congenital anomalies
Q51.22	Other partial doubling of uterus	Congenital anomalies	MATERNAL & CONGENITAL	All other congenital anomalies
Q51.28	Other doubling of uterus, other specified	Congenital anomalies	MATERNAL & CONGENITAL	All other congenital anomalies
Q93.5	Other deletions of part of a chromosome	Congenital anomalies	MATERNAL & CONGENITAL	All other congenital anomalies
Q93.51	Angelman syndrome	Congenital anomalies	MATERNAL & CONGENITAL	All other congenital anomalies
Q93.59	Other deletions of part of a chromosome	Congenital anomalies	MATERNAL & CONGENITAL	All other congenital anomalies
Q93.82	Williams syndrome	Congenital anomalies	MATERNAL & CONGENITAL	All other congenital anomalies
R82.99	Other abnormal findings in urine	Signs and symptoms	ILL-DEFINED CONDITIONS	All other signs and symptoms
R82.991	Hypocitraturia	Signs and symptoms	ILL-DEFINED CONDITIONS	All other signs and symptoms
R82.992	Hyperoxaluria	Signs and symptoms	ILL-DEFINED CONDITIONS	All other signs and symptoms
R82.993	Hyperuricoscuria	Signs and symptoms	ILL-DEFINED CONDITIONS	All other signs and symptoms
R82.994	Hypercalciuria	Signs and symptoms	ILL-DEFINED CONDITIONS	All other signs and symptoms
R82.998	Other abnormal findings in urine	Signs and symptoms	ILL-DEFINED CONDITIONS	All other signs and symptoms
R93.8	Abnormal findings on diagnostic imaging of other specified body structures	Signs and symptoms	ILL-DEFINED CONDITIONS	All other signs and symptoms
R93.81	Abnormal radiologic findings on diagnostic imaging of testis	Signs and symptoms	ILL-DEFINED CONDITIONS	All other signs and symptoms
R93.811	Abnormal radiologic findings on diagnostic imaging of right testicle	Signs and symptoms	ILL-DEFINED CONDITIONS	All other signs and symptoms
R93.812	Abnormal radiologic findings on diagnostic imaging of left testicle	Signs and symptoms	ILL-DEFINED CONDITIONS	All other signs and symptoms
R93.813	Abnormal radiologic findings on diagnostic imaging of testicles, bilateral	Signs and symptoms	ILL-DEFINED CONDITIONS	All other signs and symptoms
R93.819	Abnormal radiologic findings on diagnostic imaging of unspecified testicle	Signs and symptoms	ILL-DEFINED CONDITIONS	All other signs and symptoms
R93.89	Abnormal findings on diagnostic imaging of other specified body structures	Signs and symptoms	ILL-DEFINED CONDITIONS	All other signs and symptoms
T43.64	Poisoning by ecstasy		INJURY	Poisoning - Drugs
T43.641	Poisoning by ecstasy, accidental (unintentional)	Injury and poisoning	INJURY	Poisoning - Drugs
T43.641A	Poisoning by ecstasy, accidental (unintentional), initial encounter	Injury and poisoning	INJURY	Poisoning - Drugs
T43.641D	Poisoning by ecstasy, accidental (unintentional), subsequent encounter	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T43.641S	Poisoning by ecstasy, accidental (unintentional), sequela	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T43.642	Poisoning by ecstasy, intentional self-harm	Injury and poisoning	INJURY	Poisoning - Drugs
T43.642A	Poisoning by ecstasy, intentional self-harm, initial encounter	Injury and poisoning	INJURY	Poisoning - Drugs

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T43.642D	Poisoning by ecstasy, intentional self-harm, subsequent encounter	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T43.642S	Poisoning by ecstasy, intentional self-harm, sequela	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T43.643	Poisoning by ecstasy, assault	Injury and poisoning	INJURY	Poisoning - Drugs
T43.643A	Poisoning by ecstasy, assault, initial encounter	Injury and poisoning	INJURY	Poisoning - Drugs
T43.643D	Poisoning by ecstasy, assault, subsequent encounter	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T43.643S	Poisoning by ecstasy, assault, sequela	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T43.644	Poisoning by ecstasy, undetermined	Injury and poisoning	INJURY	Poisoning - Drugs
T43.644A	Poisoning by ecstasy, undetermined, initial encounter	Injury and poisoning	INJURY	Poisoning - Drugs
T43.644D	Poisoning by ecstasy, undetermined, subsequent encounter	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T43.644S	Poisoning by ecstasy, undetermined, sequela	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T74.5	Forced sexual exploitation, confirmed	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T74.51	Adult forced sexual exploitation, confirmed	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T74.51XA	Adult forced sexual exploitation, confirmed, initial encounter	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T74.51XD	Adult forced sexual exploitation, confirmed, subsequent encounter	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T74.51XS	Adult forced sexual exploitation, confirmed, sequela	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T74.52	Child sexual exploitation, confirmed	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T74.52XA	Child sexual exploitation, confirmed, initial encounter	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T74.52XD	Child sexual exploitation, confirmed, subsequent encounter	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T74.52XS	Child sexual exploitation, confirmed, sequela	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T74.6	Forced labor exploitation, confirmed	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T74.61	Adult forced labor exploitation, confirmed	Injury and poisoning	INJURY	Other injury - Abuse/Intentional

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T74.61XA	Adult forced labor exploitation, confirmed, initial encounter	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T74.61XD	Adult forced labor exploitation, confirmed, subsequent encounter	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T74.61XS	Adult forced labor exploitation, confirmed, sequela	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T74.62	Child forced labor exploitation, confirmed	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T74.62XA	Child forced labor exploitation, confirmed, initial encounter	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T74.62XD	Child forced labor exploitation, confirmed, subsequent encounter	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T74.62XS	Child forced labor exploitation, confirmed, sequela	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T76.5	Forced sexual exploitation, suspected	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T76.51	Adult forced sexual exploitation, suspected	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T76.51XA	Adult forced sexual exploitation, suspected, initial encounter	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T76.51XD	Adult forced sexual exploitation, suspected, subsequent encounter	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T76.51XS	Adult forced sexual exploitation, suspected, sequela	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T76.52	Child sexual exploitation, suspected	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T76.52XA	Child sexual exploitation, suspected, initial encounter	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T76.52XD	Child sexual exploitation, suspected, subsequent encounter	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T76.52XS	Child sexual exploitation, suspected, sequela	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T76.6	Forced labor exploitation, suspected	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T76.61	Adult forced labor exploitation, suspected	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T76.61XA	Adult forced labor exploitation, suspected, initial encounter	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T76.61XD	Adult forced labor exploitation, suspected, subsequent encounter	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury

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T76.61XS	Adult forced labor exploitation, suspected, sequela	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T76.62	Child forced labor exploitation, suspected	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T76.62XA	Child forced labor exploitation, suspected, initial encounter	Injury and poisoning	INJURY	Other injury - Abuse/Intentional
T76.62XD	Child forced labor exploitation, suspected, subsequent encounter	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T76.62XS	Child forced labor exploitation, suspected, sequela	Injury and poisoning	INJURY	Subsequent and sequela injury encounters, and long-term effects of injury
T81.40	Infection following a procedure, unspecified	Non-injury medical complication	OTHER	Non-injury medical complications
T81.40XA	Infection following a procedure, unspecified, initial encounter	Non-injury medical complication	OTHER	Non-injury medical complications
T81.40XD	Infection following a procedure, unspecified, subsequent encounter	Non-injury medical complication	OTHER	Non-injury medical complications
T81.40XS	Infection following a procedure, unspecified, sequela	Non-injury medical complication	OTHER	Non-injury medical complications
T81.41	Infection following a procedure, superficial incisional surgical site	Non-injury medical complication	OTHER	Non-injury medical complications
T81.41XA	Infection following a procedure, superficial incisional surgical site, initial encounter	Non-injury medical complication	OTHER	Non-injury medical complications
T81.41XD	Infection following a procedure, superficial incisional surgical site, subsequent encounter	Non-injury medical complication	OTHER	Non-injury medical complications
T81.41XS	Infection following a procedure, superficial incisional surgical site, sequela	Non-injury medical complication	OTHER	Non-injury medical complications
T81.42	Infection following a procedure, deep incisional surgical site	Non-injury medical complication	OTHER	Non-injury medical complications
T81.42XA	Infection following a procedure, deep incisional surgical site, initial encounter	Non-injury medical complication	OTHER	Non-injury medical complications
T81.42XD	Infection following a procedure, deep incisional surgical site, subsequent encounter	Non-injury medical complication	OTHER	Non-injury medical complications
T81.42XS	Infection following a procedure, deep incisional surgical site, sequela	Non-injury medical complication	OTHER	Non-injury medical complications
T81.43	Infection following a procedure, organ and space surgical site	Non-injury medical complication	OTHER	Non-injury medical complications
T81.43XA	Infection following a procedure, organ and space surgical site, initial encounter	Non-injury medical complication	OTHER	Non-injury medical complications
T81.43XD	Infection following a procedure, organ and space surgical site, subsequent encounter	Non-injury medical complication	OTHER	Non-injury medical complications
T81.43XS	Infection following a procedure, organ and space surgical site, sequela	Non-injury medical complication	OTHER	Non-injury medical complications
T81.44	Sepsis following a procedure	Non-injury medical complication	OTHER	Non-injury medical complications
T81.44XA	Sepsis following a procedure, initial encounter	Non-injury medical complication	OTHER	Non-injury medical complications
T81.44XD	Sepsis following a procedure, subsequent encounter	Non-injury medical complication	OTHER	Non-injury medical complications

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T81.44XS	Sepsis following a procedure, sequela	Non-injury medical complication	OTHER	Non-injury medical complications
T81.49	Infection following a procedure, other surgical site	Non-injury medical complication	OTHER	Non-injury medical complications
T81.49XA	Infection following a procedure, other surgical site, initial encounter	Non-injury medical complication	OTHER	Non-injury medical complications
T81.49XD	Infection following a procedure, other surgical site, subsequent encounter	Non-injury medical complication	OTHER	Non-injury medical complications
T81.49XS	Infection following a procedure, other surgical site, sequela	Non-injury medical complication	OTHER	Non-injury medical complications

## Appendix E

### Realignment of Armed Forces Health Surveillance Branch (AFHSB) Burden of Injuries and Diseases Categories and Sub-Categories

Table E-1. Realignment of AFHSB Burden of Injuries and Diseases Categories and Sub-Categories

AFHSB Main category	APHC MAIN CATEGORY	AFHSB Subcategories	APHC Sub-Categories
Blood disorders	OTHER	Hereditary anemias	Blood- Other anemia
	OTHER	Iron-deficiency anemias	Blood- Deficiency anemias
	OTHER	Other deficiency anemias	Blood- Deficiency anemias
	OTHER	Other non-deficiency anemias	Blood- Other anemia
	OTHER	All other blood disorders	Blood - other disorder
Cardiovascular	CARDIOVASCULAR	Cerebrovascular disease	Cerebrovascular disease
	CARDIOVASCULAR	Essential hypertension	Essential hypertension
	CARDIOVASCULAR	Inflammatory	Inflammatory
	CARDIOVASCULAR	Ischemic heart disease	Ischemic heart disease
	CARDIOVASCULAR	Rheumatic heart disease	Rheumatic heart disease
	CARDIOVASCULAR	All other cardiovascular diseases	All other cardiovascular diseases
Congenital	MATERNAL & CONGENITAL	Congenital heart disease	Congenital heart disease
	MATERNAL & CONGENITAL	Other circulatory anomalies	Other circulatory anomalies
	MATERNAL & CONGENITAL	All other congenital anomalies	All other congenital anomalies
Diabetes	METABOLIC & ENDOCRINE	Diabetes mellitus	Diabetes mellitus
Digestive diseases	DIGESTIVE	Appendicitis	Appendicitis
	DIGESTIVE	Cirrhosis of the liver	Cirrhosis of the liver
	DIGESTIVE	Esophagus disease	Esophagus disease
	DIGESTIVE	Inguinal hernia	Inguinal hernia
	DIGESTIVE	Peptic ulcer disease	Peptic ulcer disease
	DIGESTIVE	Other gastroenteritis and colitis	Other gastroenteritis and colitis
	DIGESTIVE	All other digestive diseases	All other digestive diseases
Endocrine disorders	METABOLIC & ENDOCRINE	Hypothyroidism	Hypothyroidism
	METABOLIC & ENDOCRINE	Other thyroid disorders	Other thyroid disorders
	METABOLIC & ENDOCRINE	All other endocrine disorders	All other endocrine disorders
Genitourinary diseases	UROGENITAL	Benign prostatic hypertrophy	Benign prostatic hypertrophy
	UROGENITAL	Female genital pain	Female genital pain
	UROGENITAL	Kidney stones	Kidney stones
	UROGENITAL	Menstrual disorders	Menstrual disorders
	UROGENITAL	Nephritis and nephrosis	Nephritis and nephrosis
	UROGENITAL	Other breast disorders	Other breast disorders
	UROGENITAL	All other genito-urinary diseases	All other genito-urinary diseases
Headache	NEUROLOGIC	Headache	Headache
Infectious and parasitic diseases	PATHOGENIC & COMMUNICABLE DISEASE	Bacterial meningitis	Bacterial meningitis
	PATHOGENIC & COMMUNICABLE DISEASE	Chlamydia	Chlamydia
	PATHOGENIC & COMMUNICABLE DISEASE	Diarrheal diseases	Diarrheal diseases
	PATHOGENIC & COMMUNICABLE DISEASE	Hepatitis B and C	Hepatitis B and C
	PATHOGENIC & COMMUNICABLE DISEASE	Intestinal nematode infection	Intestinal nematode infection
	PATHOGENIC & COMMUNICABLE DISEASE	Malaria	Malaria
	PATHOGENIC & COMMUNICABLE DISEASE	STDs	STDs
	PATHOGENIC & COMMUNICABLE DISEASE	Tropical cluster	Tropical cluster
	PATHOGENIC & COMMUNICABLE DISEASE	Tuberculosis	Tuberculosis
	PATHOGENIC & COMMUNICABLE DISEASE	Unspecified viral infection	Unspecified viral infection
PATHOGENIC & COMMUNICABLE DISEASE	All other infectious and parasitic diseases	All of ther infectious and parasitic deseases	



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Table E-1. Continued

AFHSB Main category	APHC MAIN CATEGORY	AFHSB Subcategories	APHC Sub-Categories	
Injury and poisoning	INJURY	Arm and shoulder	CHANGE ALL to reflect 2 levels of sub-categories consistent with Taxonomy: Level 1: MECH Acute or MECH CUMI; Level 2: MSK or NON-MSK Level 1: Environmental; Level 2: Heat, Cold, Lightning, Altitude Level 1: Poisoning; Level 2: see below Level 1: Non Environmental; Level 2: Thermal (burns), Electrical, Nuclear/Radiation Level 1: Other injury; Level 2 based on 7 taxonomy sub-groups	
	INJURY	Back and abdomen		
	INJURY	Environmental		
	INJURY	Foot and ankle		
	INJURY	Hand and wrist		
	INJURY	Head and neck		
	INJURY	Knee		
	INJURY	Leg		
	INJURY	Other burns		
	INJURY	Other complications NOS		
	INJURY	Other injury from external causes		
	INJURY	Other superficial injury		
	INJURY	Poisoning, drugs		Poisoning, drugs
	INJURY	Poisoning, non-drug		Poisoning, chemicals
	INJURY	Poisoning, non-drug	Poisoning, toxins	
INJURY	Subsequent and sequela injury encounters, and long-term effects of injury*	Subsequent and sequela injury encounters, and long-term effects (LTE) of injury*		
INJURY	Unspecified injury			
INJURY	All other injury			
Malignant neoplasms	CANCER	Bladder cancer	Bladder cancer	
	CANCER	Brain	Brain cancer	
	CANCER	Breast cancer	Breast cancer	
	CANCER	Cervix uteri cancer	Cervix uteri cancer	
	CANCER	Colon and rectum cancers	Colon and rectum cancers	
	CANCER	Corpus uteri cancer	Corpus uteri cancer	
	CANCER	Esophagus cancer	Esophagus cancer	
	CANCER	Leukemia	Leukemia	
	CANCER	Liver cancer	Liver cancer	
	CANCER	Lymphoma and multiple myeloma	Lymphoma and multiple myeloma	
	CANCER	Melanoma and other skin cancers	Melanoma and other skin cancers	
	CANCER	Mouth and oropharynx cancers	Mouth and oropharynx cancers	
	CANCER	Ovary cancers	Ovary cancers	
	CANCER	Pancreas cancers	Pancreas cancers	
	CANCER	Prostate cancer	Prostate cancer	
	CANCER	Stomach cancer	Stomach cancer	
	CANCER	Testicular cancer	Testicular cancer	
CANCER	Thyroid	Thyroid cancer		
CANCER	Trachea, bronchus, and lung cancers	Trachea, bronchus, and lung cancers		
CANCER	All other malignant neoplasms	All other malignant neoplasms		
Maternal conditions	MATERNAL & CONGENITAL	Delivery	Delivery	
	MATERNAL & CONGENITAL	Ectopic/miscarriage/abortion	Ectopic/miscarriage/abortion	
	MATERNAL & CONGENITAL	Pregnancy complications	Pregnancy complications	
	MATERNAL & CONGENITAL	Puerperium complications	Puerperium complications	
	MATERNAL & CONGENITAL	All other maternal disorders	All other maternal disorders	
Mental disorders	MENTAL HEALTH	Adjustment	Adjustment	
	MENTAL HEALTH	Anxiety	Anxiety	
	MENTAL HEALTH	Mood	Mood	
	MENTAL HEALTH	Personality	Personality	
	MENTAL HEALTH	Psychotic	Psychotic	
	MENTAL HEALTH	Somatoform	Somatoform	
	MENTAL HEALTH	Substance abuse disorders	Substance abuse disorders	
	MENTAL HEALTH	Tobacco dependence	Tobacco dependence	
MENTAL HEALTH	All other mental disorders	All other mental disorders		
Metabolic and immunity disorders	METABOLIC & ENDOCRINE	Immunity disorders	Immunity disorders	
	METABOLIC & ENDOCRINE	Lipoid metabolism disorders	Lipoid metabolism disorders	
	METABOLIC & ENDOCRINE	Other metabolic disorders	Other metabolic disorders	

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Table E-1. Continued

AFHSB Main category	APHC MAIN CATEGORY	AFHSB Subcategories	APHC Sub-Categories
Musculoskeletal diseases	DEGENERATIVE & GENETIC MSK	Osteoarthritis	Osteoarthritis
	DEGENERATIVE & GENETIC MSK	Other back problems	Genetic/degenerative disorder of back/spine
	DEGENERATIVE & GENETIC MSK	Other knee disorders	Genetic/degenerative disorder of knee
	DEGENERATIVE & GENETIC MSK	Other shoulder disorders	Genetic/degenerative disorder of shoulder
	DEGENERATIVE & GENETIC MSK	Rheumatoid arthritis	Rheumatoid arthritis
	DEGENERATIVE & GENETIC MSK	All other musculoskeletal diseases	Other genetic/degenerative MSK disorder
Neurologic conditions	NEUROLOGIC	Epilepsy	Epilepsy
	NEUROLOGIC	Multiple sclerosis	Multiple sclerosis
	NEUROLOGIC	Organic sleep disorders	Organic sleep disorders
	NEUROLOGIC	Other mononeuritis - upper and lower limb	Other mononeuritis - upper and lower limbs
	NEUROLOGIC	Parkinson's disease	Parkinson's disease
	NEUROLOGIC	All other neurologic conditions	All other neurologic conditions
Non-injury medical complication	OTHER	Adverse effects of drugs	Medical complications
	OTHER	Other medical complication	Medical complications
Nutritional disorders	METABOLIC & ENDOCRINE	Overweight, obesity	Overweight, obesity
	METABOLIC & ENDOCRINE	Protein-energy malnutrition	Protein-energy malnutrition
	METABOLIC & ENDOCRINE	All other nutritional disorders	All other nutritional disorders
Oral conditions	EYE, EAR, ORAL	Dental carries	Dental carries
	EYE, EAR, ORAL	Periodontal disease	Periodontal disease
	EYE, EAR, ORAL	All other oral conditions	All other oral conditions
Other neoplasms	OTHER	Benign skin neoplasm	Other neoplasms (non-cancer)
	OTHER	Lipoma	Other neoplasms (non-cancer)
	OTHER	Uterine leiomyoma	Other neoplasms (non-cancer)
	OTHER	All other neoplasms	Other neoplasms (non-cancer)
Respiratory diseases	PULMONARY CONDITIONS	Allergic rhinitis	Allergic rhinitis
	PULMONARY CONDITIONS	Asthma	Asthma
	PULMONARY CONDITIONS	Chronic obstructive pulmonary disease	Chronic obstructive pulmonary disease
	PULMONARY CONDITIONS	Chronic sinusitis	Chronic sinusitis
	PULMONARY CONDITIONS	All other respiratory diseases	All other respiratory diseases
Respiratory infections	PATHOGENIC & COMMUNICABLE DISEASE	Lower respiratory infections	Lower respiratory infections
	PATHOGENIC & COMMUNICABLE DISEASE	Upper respiratory infections	Upper respiratory infections
	PATHOGENIC & COMMUNICABLE DISEASE	Otitis media	Otitis media
Sense organ diseases	EYE, EAR, ORAL	Cataracts	Eye, Cataracts
	EYE, EAR, ORAL	Glaucoma	Eye, Glaucoma
	EYE, EAR, ORAL	Hearing disorders	Ear, Hearing disorders
	EYE, EAR, ORAL	Refraction/accomodation	Refraction/accomodation
	EYE, EAR, ORAL	All other sense organ diseases	All other sense organ diseases
Signs and symptoms	NON-SPECIFIED DIAGNOSIS	Abdomen and pelvis	Abdomen and pelvis
	NON-SPECIFIED DIAGNOSIS	Respiratory and chest	Respiratory and chest
	NON-SPECIFIED DIAGNOSIS	All other signs and symptoms	All other signs and symptoms
Skin diseases	SKIN	Contact dermatitis	Contact dermatitis
	SKIN	Subaceous gland diseases	Subaceous gland diseases
	SKIN	All other skin diseases	All other skin diseases

## Appendix F

### Preliminary 2017 Active Duty Army Relative Burden of Injury and Disease Data

**Table F-1. Preliminary 2017 Active Duty Army Relative Burden of Injury and Disease Data**

	Women			Men			Total		
	# Encounters	# People	# Bed Days	# Encounters	# People	# Bed Days	# Encounters	# People	# Bed Days
Injury	450,024	54,470	2,603	1,788,929	252,830	20,420	2,238,953	307,300	23,023
Mental Health	229,460	20,833	15,856	779,370	76,430	55,407	1,008,830	97,263	71,263
Non-Specified Diagnosis	131,384	41,536	811	450,929	158,080	3,536	582,313	199,616	4,347
Neurologic	67,819	21,460	500	377,441	88,139	2,052	445,260	109,599	2,552
Pathogenic/Communicable Disease	51,972	34,861	495	161,220	111,747	2,722	213,192	146,608	3,217
Eye, Ear, Oral	33,924	21,392	201	131,293	84,467	1,027	165,217	105,859	1,228
Skin	33,475	15,278	311	114,663	58,421	1,905	148,138	73,699	2,216
Degenerative/Genetic MSK	33,907	11,097	317	102,554	38,948	1,673	136,461	50,045	1,990
Urogenital	58,977	24,066	1,043	50,262	23,393	1,229	109,239	47,459	2,272
Maternal-Congenital	86,667	11,443	18,111	6,034	3,434	302	92,701	14,877	18,413
Pulmonary Conditions	21,127	8,796	213	66,500	28,532	1,193	87,627	37,328	1,406
Digestive	18,336	9,123	1,238	66,809	30,406	5,872	85,145	39,529	7,110
Cardiovascular	8,380	4,030	267	50,194	22,142	2,542	58,574	26,172	2,809
Metabolic/Endocrine	9,905	5,365	156	36,656	18,506	648	46,561	23,871	804
Other	11,473	5,769	849	26,278	14,573	1,249	37,751	20,342	2,098
Cancer	4,400	463	713	13,038	1,640	2,085	17,438	2,103	2,798
	1,251,230	289,982	43,684	4,222,170	1,011,688	103,862	5,473,400	1,301,670	147,546

NOTE: Data used for Figure 1 and 2 this report; represents all encounters using first diagnosis only. Data provided by AFHSB/DHA from the Defense Medical Surveillance System (DMSS)

Figure F-1. Burden of Injuries and Diseases, Active Duty Army WOMEN

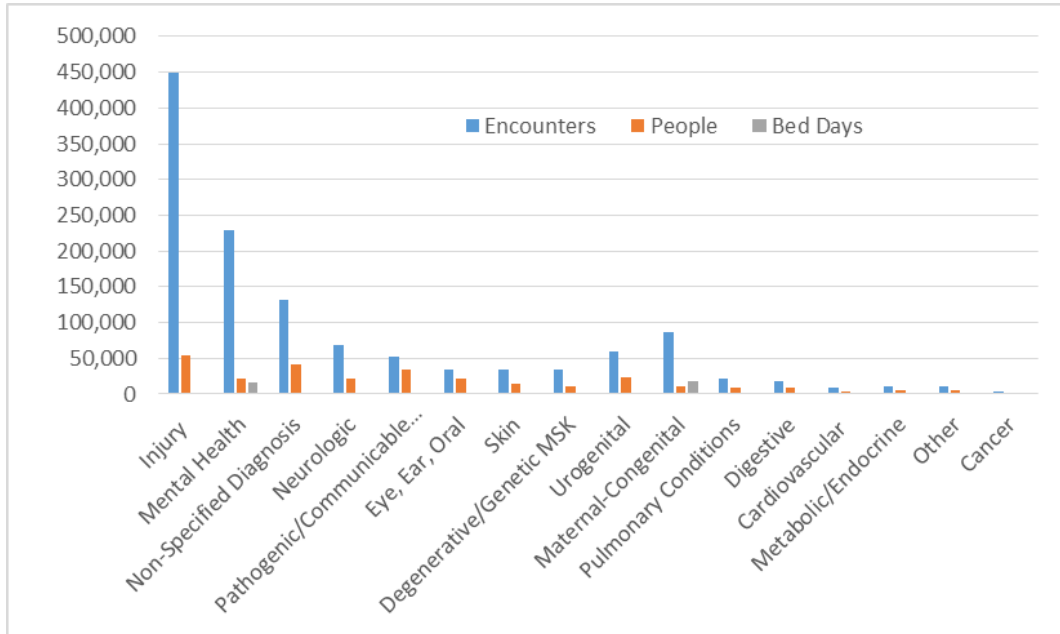


Figure F-2. Burden of Injuries and Diseases, Active Duty Army MEN

