Supplementary Online Content

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eAppendix 1. Traumatic Brain Injury (TBI) Severity Case Definitions.

eAppendix 2. Traumatic Brain Injury (TBI) Severity Classification Using Modified Defense and Veterans Brain Injury Center (DVBIC) 2012 ICD-9 Diagnostic Code List.

eAppendix 3. Dementia ICD-9 Diagnostic Code List.

eTable. Traumatic Brain Injury Case Distribution.

This supplementary material has been provided by the authors to give readers additional information about their work.

eAppendix 1. Traumatic Brain Injury (TBI) Severity Case Definitions

	TBI Severity					
Data	Mild,	Mild,	Mild,	Moderate/Severe		
Source	Without LOC	With LOC	LOC Unknown			
CTBIE	LOC = 0;	LOC > 0 to 30 min;	N/A	LOC > 30 min;		
	AOC = a moment to 24 hrs;	AOC = a moment to 24 hrs;		AOC > 24 hours;		
	AND PTA 0 to 1 day	AND PTA 0 to 1 day		OR $PTA > 1$ day		
NPCD	Mild TBI (ICD-9 codes);	Mild TBI (ICD-9 codes);	Mild TBI (ICD-9 codes);	Moderate, Severe or		
	AND LOC = 0	AND LOC = brief $(< 1 hr)$	AND LOC = unknown	Penetrating TBI (ICD-9		
			or unspecified	codes)		

CTBIE, Comprehensive Traumatic Brain Injury Evaluation; AOC, alteration of consciousness; ICD-9, International Classification of Diseases – 9th edition; LOC, loss of consciousness; NPCD, National Patient Care Database; PTA, post-traumatic amnesia. Specific ICD-9 codes are from the Defense and Veterans Brain Injury Center (DVBIC) 2012 criteria and are listed in Appendix 3.

eAppendix 2. Traumatic Brain Injury (TBI) Severity Classification Using Modified Defense and Veterans Brain Injury Center (DVBIC) 2012 ICD-9 Diagnostic Code List

(DVBIC) 20	12 ICD-9 Diagnostic Code List		
ICD-9	Description	DVBIC 2012 Severity Classification	CENC Severity Classification Mild, LOC
310.2	Postconcussion Syndrome	Mild	unknown
800.0	closed fracture of vault of skull w/o mention of intracranial injury closed fracture of vault of skull w/o mention of intracranial injury w/state of	n/a	n/a Mild, LOC
800.00	consciousness unspecified	Mild	unknown
800.01	closed fracture of vault of skull w/o mention of intracranial injuryy w/o LOC	Mild	Mild, no LOC
800.02	closed fracture of vault of skull w/o mention of intracranial injury w/brief (< 1 hr) LOC closed fracture of vault of skull w/o mention of intracranial injury w/moderate	Mild	Mild, LOC
800.03	(1-24 hrs) LOC closed fracture of vault of skull w/o mention of intracranial injury	Moderate	Mod/Sev
800.04	w/prolonged (> 24 hrs) LOC and return to pre-existing conscious level closed fracture of vault of skull w/o mention of intracranial injury	Severe	Mod/Sev
800.05	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level closed fracture of vault of skull w/o mention of intracranial injury w/LOC of	Severe	Mod/Sev
800.06	unspecified duration closed fracture of vault of skull w/o mention of intracranial injury	Mild	Mild, LOC Mild, LOC
800.09	w/concussion unspecified	Mild	unknown
800.1	closed fracture of vault of skull with cerebral laceration and contusion	n/a	n/a
800.10	closed fracture of vault of skull with cerebral laceration and contusion w/state of consciousness unspecified	Moderate	Mod/Sev
	closed fracture of vault of skull with cerebral laceration and contusion w/o		
800.11	LOC closed fracture of vault of skull with cerebral laceration and contusion w/brief	Moderate	Mod/Sev
800.12	(<1 hr) LOC closed fracture of vault of skull with cerebral laceration and contusion	Moderate	Mod/Sev
800.13	w/moderate (1-24 hrs) LOC closed fracture of vault of skull with cerebral laceration and contusion	Moderate	Mod/Sev
800.14	w/prolonged (>24 hrs) LOC and return to pre-existing conscious level closed fracture of vault of skull with cerebral laceration and contusion	Severe	Mod/Sev
800.15	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level closed fracture of vault of skull with cerebral laceration and contusion w/LOC	Severe	Mod/Sev
800.16	of unspecified duration closed fracture of vault of skull with cerebral laceration and contusion	Moderate	Mod/Sev
800.19	w/concussion unspecified closed fracture of vault of skull with subarachnoid subdural and	Moderate	Mod/Sev
800.2	extradural hemorrhage closed fracture of vault of skull with subarachnoid subdural and extradural	n/a	n/a
800.20	hemorrhage w/state of consciousness unspecified closed fracture of vault of skull with subarachnoid subdural and extradural	Moderate	Mod/Sev
800.21	hemorrhage w/o LOC closed fracture of vault of skull with subarachnoid subdural and extradural	Moderate	Mod/Sev
800.22	hemorrhage w/brief (<1 hr) LOC closed fracture of vault of skull with subarachnoid subdural and extradural	Moderate	Mod/Sev
800.23	hemorrhage w/moderate (1-24 hrs) LOC closed fracture of vault of skull with subarachnoid subdural and extradural	Moderate	Mod/Sev
800.24	hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level closed fracture of vault of skull with subarachnoid subdural and extradural	Severe	Mod/Sev
800.25	hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level closed fracture of vault of skull with subarachnoid subdural and extradural	Severe	Mod/Sev
800.26	hemorrhage w/LOC of unspecified duration closed fracture of vault of skull with subarachnoid subdural and extradural	Moderate	Mod/Sev
800.29	hemorrhage w/concussion unspecified	Moderate	Mod/Sev
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	closed fracture of vault of skull with other and unspecified intracranial		
800.3	hemorrhage closed fracture of vault of skull with other and unspecified intracranial	n/a	n/a
800.30	hemorrhage w/state of consciousness unspecified closed fracture of vault of skull with other and unspecified intracranial	Moderate	Mod/Sev
800.31	hemorrhage w/o LOC closed fracture of vault of skull with other and unspecified intracranial	Moderate	Mod/Sev
800.32	hemorrhagee w/brief (<1 hr) LOC closed fracture of vault of skull with other and unspecified intracranial	Moderate	Mod/Sev
800.33	hemorrhage w/moderate (1-24 hrs) LOC closed fracture of vault of skull with other and unspecified intracranial	Moderate	Mod/Sev
800.34	hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level closed fracture of vault of skull with other and unspecified intracranial	Severe	Mod/Sev
800.35	hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Severe	Mod/Sev
800.36	closed fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration	Moderate	Mod/Sev
800.39	closed fracture of vault of skull with other and unspecified intracranial hemorrhage w/concussion unspecified closed fracture of vault of skull with intracranial injury of other and	Moderate	Mod/Sev
800.4	unspecified nature closed fracture of vault of skull with intracranial injury of other and	n/a	n/a
800.40	unspecified nature w/state of consciousness unspecified closed fracture of vault of skull with intracranial injury of other and	Moderate	Mod/Sev
800.41	unspecified nature w/o LOC closed fracture of vault of skull with intracranial injury of other and	Moderate	Mod/Sev
800.42	unspecified nature w/brief (<1 hr) LOC closed fracture of vault of skull with intracranial injury of other and	Moderate	Mod/Sev
800.43	unspecified nature w/moderate (1-24 hrs) LOC closed fracture of vault of skull with intracranial injury of other and	Moderate	Mod/Sev
800.44	unspecified nature w/prolonged (>24 hrs) LOC and return to pre-existing conscious level closed fracture of vault of skull with intracranial injury of other and	Severe	Mod/Sev
800.45	unspecified nature w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level closed fracture of vault of skull with intracranial injury of other and	Severe	Mod/Sev
800.46	unspecified nature w/LOC of unspecified duration closed fracture of vault of skull with intracranial injury of other and	Moderate	Mod/Sev
800.49	unspecified nature w/concussion unspecified	Moderate	Mod/Sev
800.5	open fracture of vault of skull w/o mention of intracranial injury open fracture of vault of skull w/o mention of intracranial injury w/state of	n/a	n/a Mild, LOC
800.50	consciousness unspecified	Mild	unknown
800.51	open fracture of vault of skull w/o mention of intracranial injury w/o LOC open fracture of vault of skull w/o mention of intracranial injury w/brief (<1	Mild	Mild, no LOC
800.52	hr) LOC open fracture of vault of skull w/o mention of intracranial injury w/moderate	Mild	Mild, LOC
800.53	(1-24 hrs) LOC open fracture of vault of skull w/o mention of intracranial injury w/prolonged	Moderate	Mod/Sev
800.54	(>24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull w/o mention of intracranial injury w/prolonged	Severe	Mod/Sev
800.55	(>24 hrs) LOC w/o return to pre-existing conscious level open fracture of vault of skull w/o mention of intracranial injury w/LOC of	Severe	Mod/Sev
800.56	unspecified duration open fracture of vault of skull w/o mention of intracranial injury	Moderate	Mod/Sev
800.59	w/concussion unspecified	Moderate	Mod/Sev
800.6	open fracture of vault of skull with cerebral laceration and contusion open fracture of vault of skull with cerebral laceration and contusion w/state	n/a	n/a
800.60	of consciousness unspecified open fracture of vault of skull with cerebral laceration and contusion w/o	Penetrating	Mod/Sev
800.61 © 2018 Ame	LOC rican Medical Association, All rights reserved.	Penetrating	Mod/Sev

800.62	open fracture of vault of skull with cerebral laceration and contusion w/brief (<1 hr) LOC	Penetrating	Mod/Sev
800.02	open fracture of vault of skull with cerebral laceration and contusion	Fenetrating	MOU/Sev
800.63	w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
	open fracture of vault of skull with cerebral laceration and contusion	U	
800.64	w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Penetrating	Mod/Sev
	open fracture of vault of skull with cerebral laceration and contusion		
800.65	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating	Mod/Sev
000 66	open fracture of vault of skull with cerebral laceration and contusion w/LOC	D ()	N 1/0
800.66	of unspecified duration open fracture of vault of skull with cerebral laceration and contusion	Penetrating	Mod/Sev
800.69	w/concussion unspecified	Penetrating	Mod/Sev
000.07	open fracture of vault of skull with subarachnoid subdural and	renetituting	10100/500
800.7	extradural hemorrhage	n/a	n/a
	open fracture of vault of skull with subarachnoid subdural and extradural		
800.70	hemorrhage w/state of consciousness unspecified	Penetrating	Mod/Sev
000 51	open fracture of vault of skull with subarachnoid subdural and extradural		
800.71	hemorrhage w/o LOC	Penetrating	Mod/Sev
800.72	open fracture of vault of skull with subarachnoid subdural and extradural hemorrhage w/brief (<1 hr) LOC	Penetrating	Mod/Sev
800.72	open fracture of vault of skull with subarachnoid subdural and extradural	Fenetrating	MOU/Sev
800.73	hemorrhage w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
	open fracture of vault of skull with subarachnoid subdural and extradural	8	
	hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious		
800.74	level	Penetrating	Mod/Sev
	open fracture of vault of skull with subarachnoid subdural and extradural		
000 75	hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious	D	1/0
800.75	level	Penetrating	Mod/Sev
800.76	open fracture of vault of skull with subarachnoid subdural and extradural hemorrhage w/LOC of unspecified duration	Penetrating	Mod/Sev
000.70	open fracture of vault of skull with subarachnoid subdural and extradural	renetrating	Widd/Sev
800.79	hemorrhage w/concussion unspecified	Penetrating	Mod/Sev
	open fracture of vault of skull with other and unspecified intracranial	C	
800.8	hemorrhage	n/a	n/a
	open fracture of vault of skull with other and unspecified intracranial	_	
			Mod/Sov
800.80	hemorrhage w/state of consciousness unspecified	Penetrating	Mod/Sev
	open fracture of vault of skull with other and unspecified intracranial	-	
800.80	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC	Penetrating	Mod/Sev
800.81	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial	Penetrating	Mod/Sev
	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC	-	
800.81	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial	Penetrating	Mod/Sev
800.81 800.82	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial	Penetrating Penetrating	Mod/Sev Mod/Sev
800.81 800.82 800.83	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing	Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev
800.81 800.82	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level	Penetrating Penetrating	Mod/Sev Mod/Sev
800.81 800.82 800.83	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial	Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev
800.81 800.82 800.83 800.84	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious	Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev
800.81 800.82 800.83	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev
800.81 800.82 800.83 800.84	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial	Penetrating Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev
800.81 800.82 800.83 800.84 800.85	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev
800.81 800.82 800.83 800.84 800.85	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration	Penetrating Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev
800.81 800.82 800.83 800.84 800.85 800.85 800.86 800.89	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/concussion unspecified	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
800.81 800.82 800.83 800.84 800.85 800.85	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/concussion unspecified open fracture of vault of skull with other and unspecified intracranial hemorrhage m/concussion unspecified	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
800.81 800.82 800.83 800.84 800.85 800.85 800.86 800.89 800.9	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/concussion unspecified open fracture of vault of skull with other and unspecified intracranial hemorrhage w/concussion unspecified open fracture of vault of skull with other and unspecified intracranial hemorrhage w/concussion unspecified open fracture of vault of skull with intracranial injury of other and unspecified nature open fracture of vault of skull with intracranial injury of other and	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
800.81 800.82 800.83 800.84 800.85 800.85 800.86 800.89	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/concussion unspecified open fracture of vault of skull with other and unspecified intracranial hemorrhage w/concussion unspecified open fracture of vault of skull with intracranial injury of other and unspecified nature open fracture of vault of skull with intracranial injury of other and unspecified nature	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
800.81 800.82 800.83 800.84 800.85 800.85 800.86 800.89 800.9	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/concussion unspecified open fracture of vault of skull with intracranial injury of other and unspecified nature open fracture of vault of skull with intracranial injury of other and unspecified nature w/state of consciousness unspecified open fracture of vault of skull with intracranial injury of other and	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev n/a Mod/Sev
800.81 800.82 800.83 800.84 800.85 800.85 800.86 800.89 800.9	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/concussion unspecified open fracture of vault of skull with other and unspecified intracranial hemorrhage w/concussion unspecified open fracture of vault of skull with intracranial injury of other and unspecified nature open fracture of vault of skull with intracranial injury of other and unspecified nature	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
800.81 800.82 800.83 800.84 800.85 800.85 800.86 800.89 800.9	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/concussion unspecified open fracture of vault of skull with intracranial injury of other and unspecified nature open fracture of vault of skull with intracranial injury of other and unspecified nature w/state of consciousness unspecified open fracture of vault of skull with intracranial injury of other and unspecified nature w/state of consciousness unspecified	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev n/a Mod/Sev
800.81 800.82 800.83 800.84 800.85 800.86 800.89 800.9 800.90 800.91	open fracture of vault of skull with other and unspecified intracranial hemorrhage w/o LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (More Than 24 hrs) LOC and return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/LOC of unspecified duration open fracture of vault of skull with other and unspecified intracranial hemorrhage w/concussion unspecified open fracture of vault of skull with intracranial injury of other and unspecified nature open fracture of vault of skull with intracranial injury of other and unspecified nature of vault of skull with intracranial injury of other and unspecified nature w/state of consciousness unspecified open fracture of vault of skull with intracranial injury of other and unspecified nature w/o LOC open fracture of vault of skull with intracranial injury of other and unspecified nature w/o LOC	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev n/a Mod/Sev Mod/Sev

	unspecified nature w/moderate (1.24 hrs) LOC		
	unspecified nature w/moderate (1-24 hrs) LOC open fracture of vault of skull with intracranial injury of other and		
	unspecified nature w/prolonged (>24 hrs) LOC and return to pre-existing		
800.94	conscious level	Penetrating	Mod/Sev
	open fracture of vault of skull with intracranial injury of other and	0	
	unspecified nature w/prolonged (>24 hrs) LOC w/o return to pre-existing		
800.95	conscious level	Penetrating	Mod/Sev
	open fracture of vault of skull with intracranial injury of other and		
800.96	unspecified nature w/LOC of unspecified duration	Penetrating	Mod/Sev
800.99	open fracture of vault of skull with intracranial injury of other and unspecified nature w/concussion unspecified	Penetrating	Mod/Sev
801.0	closed fracture of base of skull w/o mention of intracranial injury	n/a	n/a
801.0	closed fracture of base of skull w/o mention of intracranial injury w/state of	11/ a	Mild, LOC
801.00	consciousness unspecified	Mild	unknown
801.01	closed fracture of base of skull w/o mention of intracranial injury w/o LOC	Mild	Mild, no LOC
	closed fracture of base of skull w/o mention of intracranial injury w/brief (<1		.,
801.02	hr) LOC	Mild	Mild, LOC
	closed fracture of base of skull w/o mention of intracranial injury w/moderate		
801.03	(1-24 hrs) LOC	Moderate	Mod/Sev
801.04	closed fracture of base of skull w/o mention of intracranial injury	Carrana	Mod/Sev
801.04	w/prolonged (>24 hrs) LOC and return to pre-existing conscious level closed fracture of base of skull w/o mention of intracranial injury	Severe	Mod/Sev
801.05	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Severe	Mod/Sev
	closed fracture of base of skull w/o mention of intracranial injury w/LOC of		
801.06	unspecified duration	Mild	Mild, LOC
	closed fracture of base of skull w/o mention of intracranial injury		Mild, LOC
801.09	w/concussion unspecified	Mild	unknown
801.1	closed rracture of base of skull with cerebral laceration and contusion	n/a	n/a
001 10	closed rracture of base of skull with cerebral laceration and contusion w/state	Malanda	$M = 1/\Omega$
801.10	of consciousness unspecified closed rracture of base of skull with cerebral laceration and contusion w/o	Moderate	Mod/Sev
801.11	LOC	Moderate	Mod/Sev
001111	closed rracture of base of skull with cerebral laceration and contusion w/brief	moderate	11104/001
801.12	(<1 hr) LOC	Moderate	Mod/Sev
	closed rracture of base of skull with cerebral laceration and contusion		
801.13	w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
001 14	closed rracture of base of skull with cerebral laceration and contusion	G	M 1/0
801.14	w/prolonged (>24 hrs) LOC and return to pre-existing conscious level closed rracture of base of skull with cerebral laceration and contusion	Severe	Mod/Sev
801.15	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Severe	Mod/Sev
001.15	closed rracture of base of skull with cerebral laceration and contusion w/LOC	Bevere	Widd/ Bev
801.16	of unspecified duration	Moderate	Mod/Sev
	closed rracture of base of skull with cerebral laceration and contusion		
801.19	w/concussion unspecified	Moderate	Mod/Sev
001 0	closed fracture of base of skull with subarachnoid subdural and	,	1
801.2	extradural hemorrhage	n/a	n/a
801.20	closed fracture of base of skull with subarachnoid subdural and extradural hemorrhage w/state of consciousness unspecified	Moderate	Mod/Sev
001.20	closed fracture of base of skull with subarachnoid subdural and extradural	moderate	11100/1507
801.21	hemorrhage w/o LOC	Moderate	Mod/Sev
	closed fracture of base of skull with subarachnoid subdural and extradural		
801.22	hemorrhage w/brief (<1 hr) LOC	Moderate	Mod/Sev
	closed fracture of base of skull with subarachnoid subdural and extradural		
801.23	hemorrhage w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
	closed fracture of base of skull with subarachnoid subdural and extradural homorphase $w(\text{prolonged} (> 24 \text{ hrs}) \text{ LOC} and rature to propagations$		
801.24	hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Severe	Mod/Sev
001.21	closed fracture of base of skull with subarachnoid subdural and extradural	20,010	11100/001
	hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious		
801.25	level	Severe	Mod/Sev

801.26	closed fracture of base of skull with subarachnoid subdural and extradural	Moderate	Mod/Sev
801.20	hemorrhage w/LOC of unspecified duration closed fracture of base of skull with subarachnoid subdural and extradural	Moderate	Mod/Sev
801.29	hemorrhage w/concussion unspecified	Moderate	Mod/Sev
	closed fracture of base of skull with other and unspecified intracranial		
801.3	hemorrhage	n/a	n/a
	closed fracture of base of skull with other and unspecified intracranial		
801.30	hemorrhage w/state of consciousness unspecified	Moderate	Mod/Sev
801.31	closed fracture of base of skull with other and unspecified intracranial hemorrhage w/o LOC	Moderate	Mod/Sev
801.31	closed fracture of base of skull with other and unspecified intracranial	Moderate	wiou/sev
801.32	hemorrhage w/brief (<1 hr) LOC	Moderate	Mod/Sev
	closed fracture of base of skull with other and unspecified intracranial		
801.33	hemorrhage w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
	closed fracture of base of skull with other and unspecified intracranial		
001.04	hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious	G	M 1/0
801.34	level closed fracture of base of skull with other and unspecified intracranial	Severe	Mod/Sev
	hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious		
801.35	level	Severe	Mod/Sev
001100	closed fracture of base of skull with other and unspecified intracranial		11200,000
801.36	hemorrhage w/LOC of unspecified duration	Moderate	Mod/Sev
	closed fracture of base of skull with other and unspecified intracranial		
801.39	hemorrhage w/concussion unspecified	Moderate	Mod/Sev
801.4	closed fracture of base of skull with intracranial injury of other and	n la	m /c
801.4	unspecified nature closed fracture of base of skull with intracranial injury of other and	n/a	n/a
801.40	unspecified nature w/state of consciousness unspecified	Moderate	Mod/Sev
001110	closed fracture of base of skull with intracranial injury of other and		11200,000
801.41	unspecified nature w/o LOC	Moderate	Mod/Sev
	closed fracture of base of skull with intracranial injury of other and		
801.42	unspecified nature w/brief (<1 hr) LOC	Moderate	Mod/Sev
901 42	closed fracture of base of skull with intracranial injury of other and	Moderate	Mod/Sev
801.43	unspecified nature w/moderate (1-24 hrs) LOC closed fracture of base of skull with intracranial injury of other and	Moderate	Mod/Sev
	unspecified nature w/prolonged (>24 hrs) LOC and return to pre-existing		
801.44	conscious level	Severe	Mod/Sev
	closed fracture of base of skull with intracranial injury of other and		
	unspecified nature w/prolonged (>24 hrs) LOC w/o return to pre-existing		
801.45	conscious level	Severe	Mod/Sev
901 <i>16</i>	closed fracture of base of skull with intracranial injury of other and	Moderate	Mod/Sev
801.46	unspecified nature w/LOC of unspecified duration closed fracture of base of skull with intracranial injury of other and	Moderate	Mod/Sev
801.49	unspecified nature w/concussion unspecified	Moderate	Mod/Sev
801.5	open fracture of base of skull w/o mention of intracranial injury	n/a	n/a
	open fracture of base of skull w/o mention of intracranial injury w/state of		Mild, LOC
801.50	consciousness unspecified	Mild	unknown
801.51	open fracture of base of skull w/o mention of intracranial injury w/o LOC	Mild	Mild, no LOC
	open fracture of base of skull w/o mention of intracranial injury w/brief (<1		
801.52	hr) LOC	Mild	Mild, LOC
801.53	open fracture of base of skull w/o mention of intracranial injury w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
801.55	open fracture of base of skull w/o mention of intracranial injury w/prolonged	Wilderate	WIOU/SCV
801.54	(>24 hrs) LOC and return to pre-existing conscious level	Severe	Mod/Sev
	open fracture of base of skull w/o mention of intracranial injury w/prolonged		
801.55	(>24 hrs) LOC w/o return to pre-existing conscious level	Severe	Mod/Sev
001 51	open fracture of base of skull w/o mention of intracranial injury w/LOC of		
801.56	unspecified duration	Moderate	Mod/Sev
801.59	open fracture of base of skull w/o mention of intracranial injury w/concussion unspecified	Moderate	Mod/Sev
801.59	open fracture of base of skull with cerebral laceration and contusion	n/a	n/a
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801.60	open fracture of base of skull with cerebral laceration and contusion w/state of consciousness unspecified	Penetrating	Mod/Sev
801.60	open fracture of base of skull with cerebral laceration and contusion w/o LOC	Penetrating	Mod/Sev
001.01	open fracture of base of skull with cerebral laceration and contusion w/o loc	renetrating	WIOU/ SCV
801.62	(<1 hr) LOC	Penetrating	Mod/Sev
	open fracture of base of skull with cerebral laceration and contusion		
801.63	w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
901 <i>C1</i>	open fracture of base of skull with cerebral laceration and contusion	Demotrating	Mod/Cou
801.64	w/prolonged (>24 hrs) LOC and return to pre-existing conscious level open fracture of base of skull with cerebral laceration and contusion	Penetrating	Mod/Sev
801.65	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating	Mod/Sev
	open fracture of base of skull with cerebral laceration and contusion w/LOC	8	
801.66	of unspecified duration	Penetrating	Mod/Sev
	open fracture of base of skull with cerebral laceration and contusion		
801.69	w/concussion unspecified	Penetrating	Mod/Sev
801.7	open fracture of base of skull with subarachnoid subdural and extradural hemorrhage	n/a	n/a
001.7	open fracture of base of skull with subarachnoid subdural and extradural	II/ a	11/ a
801.70	hemorrhage w/state of consciousness unspecified	Penetrating	Mod/Sev
	open fracture of base of skull with subarachnoid subdural and extradural	e	
801.71	hemorrhage w/o LOC	Penetrating	Mod/Sev
	open fracture of base of skull with subarachnoid subdural and extradural	_ .	
801.72	hemorrhage w/brief (<1 hr) LOC	Penetrating	Mod/Sev
801.73	open fracture of base of skull with subarachnoid subdural and extradural hemorrhage w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
001.75	open fracture of base of skull with subarachnoid subdural and extradural	renetrating	WIGG/Bev
	hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious		
801.74	level	Penetrating	Mod/Sev
	open fracture of base of skull with subarachnoid subdural and extradural		
001 75	hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious	D	1/0
801.75	level	Penetrating	Mod/Sev
801.76	open fracture of base of skull with subarachnoid subdural and extradural hemorrhage w/LOC of unspecified duration	Penetrating	Mod/Sev
001.70	open fracture of base of skull with subarachnoid subdural and extradural	renetitating	Widd/Bev
801.79	hemorrhage w/concussion unspecified	Penetrating	Mod/Sev
	open fracture of base of skull with other and unspecified intracranial	-	
801.8	hemorrhage	n/a	n/a
001.00	open fracture of base of skull with other and unspecified intracranial	Deserve	M . 1/C .
801.80	hemorrhage w/state of consciousness unspecified open fracture of base of skull with other and unspecified intracranial	Penetrating	Mod/Sev
801.81	hemorrhage w/o LOC	Penetrating	Mod/Sev
001.01	open fracture of base of skull with other and unspecified intracranial	renetituting	11104/001
801.82	hemorrhage w/brief (<1 hr) LOC	Penetrating	Mod/Sev
	open fracture of base of skull with other and unspecified intracranial		
801.83	hemorrhage w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
	open fracture of base of skull with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious		
801.84	level	Penetrating	Mod/Sev
001.01	open fracture of base of skull with other and unspecified intracranial	renetituting	1100,501
	hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious		
801.85	level	Penetrating	Mod/Sev
001.04	open fracture of base of skull with other and unspecified intracranial	D	1/0
801.86	hemorrhage w/LOC of unspecified duration open fracture of base of skull with other and unspecified intracranial	Penetrating	Mod/Sev
801.89	hemorrhage w/concussion unspecified	Penetrating	Mod/Sev
001.07	open fracture of base of skull with intracranial injury of other and		1.100,007
801.9	unspecified nature	n/a	n/a
	open fracture of base of skull with intracranial injury of other and unspecified	_	
801.90	nature w/state of consciousness unspecified	Penetrating	Mod/Sev
801.91	open fracture of base of skull with intracranial injury of other and unspecified nature w/o LOC	Penetrating	Mod/Sev
		reneurating	11100/SEV
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	and for store of hour of shall with interconnichtinians of other and one or ified		
801.92	open fracture of base of skull with intracranial injury of other and unspecified nature w/brief (<1 hr) LOC open fracture of base of skull with intracranial injury of other and unspecified	Penetrating	Mod/Sev
801.93	nature w/moderate (1-24 hrs) LOC open fracture of base of skull with intracranial injury of other and unspecified	Penetrating	Mod/Sev
801.94	nature w/prolonged (>24 hrs) LOC and return to pre-existing conscious level open fracture of base of skull with intracranial injury of other and unspecified	Penetrating	Mod/Sev
801.95	nature w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level open fracture of base of skull with intracranial injury of other and unspecified	Penetrating	Mod/Sev
801.96	nature w/LOC of unspecified duration open fracture of base of skull with intracranial injury of other and unspecified	Penetrating	Mod/Sev
801.99	nature w/concussion unspecified	Penetrating	Mod/Sev
803.0	other closed skull fracture w/o mention of intracranial injury	n/a	n/a
803.00	other closed skull fracture w/o mention of intracranial injury w/state of consciousness unspecified	Mild	Mild, LOC unknown
803.00 803.01	other closed skull fracture w/o mention of intracranial injury w/o LOC	Mild	Mild, no LOC
803.02	other closed skull fracture w/o mention of intracranial injury w/brief (<1 hr) LOC	Mild	Mild, LOC
005.02	other closed skull fracture w/o mention of intracranial injury w/moderate (1-	Wind	Mild, LOC
803.03	24 hrs) LOC other closed skull fracture w/o mention of intracranial injury w/prolonged	Moderate	Mod/Sev
803.04	(>24 hrs) LOC and return to pre-existing conscious level other closed skull fracture w/o mention of intracranial injury w/prolonged	Severe	Mod/Sev
803.05	(>24 hrs) LOC w/o return to pre-existing conscious level other closed skull fracture w/o mention of intracranial injury w/LOC of	Severe	Mod/Sev
803.06	unspecified duration other closed skull fracture w/o mention of intracranial injury w/concussion	Mild	Mild, LOC Mild, LOC
803.09	unspecified	Mild	unknown
803.1	other closed skull fracture with cerebral laceration and contusion	n/a	n/a
803.10	other closed skull fracture with cerebral laceration and contusion w/state of consciousness unspecified	Moderate	Mod/Sev
803.10	other closed skull fracture with cerebral laceration and contusion w/o LOC	Moderate	Mod/Sev
803.12	other closed skull fracture with cerebral laceration and contusion w/brief (<1 hr) LOC	Moderate	Mod/Sev
005.12	other closed skull fracture with cerebral laceration and contusion w/moderate	Widderate	Widd/Bev
803.13	(1-24 hrs) LOC other closed skull fracture with cerebral laceration and contusion w/prolonged	Moderate	Mod/Sev
803.14	(>24 hrs) LOC and return to pre-existing conscious level	Severe	Mod/Sev
	other closed skull fracture with cerebral laceration and contusion w/prolonged		11100,000
803.15	(>24 hrs) LOC w/o return to pre-existing conscious level other closed skull fracture with cerebral laceration and contusion w/LOC of	Severe	Mod/Sev
803.16	unspecified duration	Moderate	Mod/Sev
	other closed skull fracture with cerebral laceration and contusion		
803.19	w/concussion unspecified other closed skull fracture with subarachnoid subdural and extradural	Moderate	Mod/Sev
803.2	hemorrhage	n/a	n/a
803.20	other closed skull fracture with subarachnoid subdural and extradural	Moderate	Mod/Sou
805.20	hemorrhage w/state of consciousness unspecified other closed skull fracture with subarachnoid subdural and extradural	Widderate	Mod/Sev
803.21	hemorrhage w/o LOC	Moderate	Mod/Sev
803.22	other closed skull fracture with subarachnoid subdural and extradural hemorrhage w/brief (<1 hr) LOC	Moderate	Mod/Sev
002.22	other closed skull fracture with subarachnoid subdural and extradural		M 1/C
803.23	hemorrhage w/moderate (1-24 hrs) LOC other closed skull fracture with subarachnoid subdural and extradural	Moderate	Mod/Sev
002.24	hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious	G	M 1/C
803.24	level other closed skull fracture with subarachnoid subdural and extradural	Severe	Mod/Sev
	hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious		
803.25	level	Severe	Mod/Sev

	other closed skull fracture with subarachnoid subdural and extradural		
803.26	hemorrhage w/LOC of unspecified duration	Moderate	Mod/Sev
002.20	other closed skull fracture with subarachnoid subdural and extradural	M. L.	$M = 1/\Omega$
803.29	hemorrhage w/concussion unspecified	Moderate	Mod/Sev
803.3	closed skull fracture with other and unspecified intracranial hemorrhage	n/a	n/a
	closed skull fracture with other and unspecified intracranial hemorrhage		26.16
803.30	w/state of Unconsciousness Unspecified	Moderate	Mod/Sev
000.01	closed skull fracture with other and unspecified intracranial hemorrhage w/o		26.16
803.31	LOC	Moderate	Mod/Sev
000.00	closed skull fracture with other and unspecified intracranial hemorrhage		N. 1/0
803.32	w/brief (<1 hr) LOC	Moderate	Mod/Sev
002.22	closed skull fracture with other and unspecified intracranial hemorrhage	M. L.	M = 1/C
803.33	w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
002.24	closed skull fracture with other and unspecified intracranial hemorrhage	C	M = 1/C
803.34	w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Severe	Mod/Sev
902 25	closed skull fracture with other and unspecified intracranial hemorrhage	C	Mad/Carr
803.35	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level closed skull fracture with other and unspecified intracranial hemorrhage	Severe	Mod/Sev
803.36	w/LOC of unspecified duration	Moderate	Mod/Sev
805.50	closed skull fracture with other and unspecified intracranial hemorrhage	Moderate	MOU/Sev
803.39	w/concussion unspecified	Moderate	Mod/Sev
803.39	other closed skull fracture with intracranial injury of other and	Moderate	WOU/Sev
803.4	unspecified nature	n/a	n/a
805.4	other closed skull fracture with intracranial injury of other and unspecified	n/a	11/ a
803.40	nature w/state of consciousness unspecified	Moderate	Mod/Sev
005.40	other closed skull fracture with intracranial injury of other and unspecified	Woderate	10100/500
803.41	nature w/o LOC	Moderate	Mod/Sev
005.41	other closed skull fracture with intracranial injury of other and unspecified	Wioderate	11100/5007
803.42	nature w/brief (<1 hr) LOC	Moderate	Mod/Sev
005.12	other closed skull fracture with intracranial injury of other and unspecified	Wioderate	11100/00/
803.43	nature w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
	other closed skull fracture with intracranial injury of other and unspecified		
803.44	nature w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Severe	Mod/Sev
	other closed skull fracture with intracranial injury of other and unspecified		
803.45	nature w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Severe	Mod/Sev
	other closed skull fracture with intracranial injury of other and unspecified		
803.46	nature w/LOC of unspecified duration	Moderate	Mod/Sev
	other closed skull fracture with intracranial injury of other and unspecified		
803.49	nature w/concussion unspecified	Moderate	Mod/Sev
803.5	other open skull fracture w/o mention of intracranial injury	n/a	n/a
	other open skull fracture w/o mention of intracranial injury w/state of		Mild, LOC
803.50	consciousness unspecified	Mild	unknown
803.51	other open skull fracture w/o mention of intracranial injury w/o LOC	Mild	Mild, no LOC
	other open skull fracture w/o mention of intracranial injury w/brief (<1 hr)		,
803.52	LOC	Mild	Mild, LOC
	other open skull fracture w/o mention of intracranial injury w/moderate (1-24		
803.53	hrs) LOC	Moderate	Mod/Sev
	other open skull fracture w/o mention of intracranial injury w/prolonged (>24		
803.54	hrs) LOC and return to pre-existing conscious level	Severe	Mod/Sev
	other open skull fracture w/o mention of intracranial injury w/prolonged (>24		
803.55	hrs) LOC w/o return to pre-existing conscious level	Severe	Mod/Sev
	other open skull fracture w/o mention of intracranial injury w/LOC of		
803.56	unspecified duration	Moderate	Mod/Sev
	other open skull fracture w/o mention of intracranial injury w/concussion		
803.59	unspecified	Moderate	Mod/Sev
803.6	other open skull fracture with cerebral laceration and contusion	n/a	n/a
	other open skull fracture with cerebral laceration and contusion w/state of		
803.60	consciousness unspecified	Penetrating	Mod/Sev
803.61	other open skull fracture with cerebral laceration and contusion w/o LOC	Penetrating	Mod/Sev
803.62	other open skull fracture with cerebral laceration and contusion w/brief (<1	Penetrating	Mod/Sev
	•	0	

	hr) LOC		
	other open skull fracture with cerebral laceration and contusion w/moderate		
803.63	(1-24 hrs) LOC	Penetrating	Mod/Sev
803.64	other open skull fracture with cerebral laceration and contusion w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Penetrating	Mod/Sev
000.01	other open skull fracture with cerebral laceration and contusion w/prolonged	renetitung	11100,000
803.65	(>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating	Mod/Sev
000 44	other open skull fracture with cerebral laceration and contusion w/LOC of	D	26.1/0
803.66	unspecified duration other open skull fracture with cerebral laceration and contusion w/concussion	Penetrating	Mod/Sev
803.69	unspecified	Penetrating	Mod/Sev
	other open skull fracture with subarachnoid subdural and extradural	8	
803.7	hemorrhage	n/a	n/a
803.70	other open skull fracture with subarachnoid subdural and extradural	Depatrating	Mod/Sev
803.70	hemorrhage w/state of consciousness unspecified other open skull fracture with subarachnoid subdural and extradural	Penetrating	MOU/Sev
803.71	hemorrhage w/o LOC	Penetrating	Mod/Sev
	other open skull fracture with subarachnoid subdural and extradural	-	
803.72	hemorrhage w/brief (<1 hr) LOC	Penetrating	Mod/Sev
803.73	other open skull fracture with subarachnoid subdural and extradural hemorrhage w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
803.75	other open skull fracture with subarachnoid subdural and extradural	Tenetrating	WIOU/SCV
	hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious		
803.74	level	Penetrating	Mod/Sev
	other open skull fracture with subarachnoid subdural and extradural homogeneous $\sqrt{24}$ hrs) LOC w/c rature to real original conscious		
803.75	hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating	Mod/Sev
005.75	other open skull fracture with subarachnoid subdural and extradural	renetitung	11100,000
803.76	hemorrhage w/LOC of unspecified duration	Penetrating	Mod/Sev
802 70	other open skull fracture with subarachnoid subdural and extradural hemorrhage w/concussion unspecified	Penetrating	Mod/Sev
803.79	nemorrage w/concussion unspecified	Penetrating	woo/sev
		8	11100,000
803.8	other open skull fracture with other and unspecified intracranial hemorrhage	n/a	n/a
803.8	other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage	n/a	
	other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified	-	
803.8 803.80	other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified other open skull fracture with other and unspecified intracranial hemorrhage	n/a Penetrating	n/a Mod/Sev
803.8	other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified other open skull fracture with other and unspecified intracranial hemorrhage w/o LOC	n/a	n/a
803.8 803.80	other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified other open skull fracture with other and unspecified intracranial hemorrhage w/o LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC	n/a Penetrating	n/a Mod/Sev
803.8 803.80 803.81 803.82	other open skull fracture with other and unspecified intracranial hemorrhageother open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecifiedother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC	n/a Penetrating Penetrating Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev
803.8 803.80 803.81	other open skull fracture with other and unspecified intracranial hemorrhageother open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecifiedother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC	n/a Penetrating Penetrating	n/a Mod/Sev Mod/Sev
803.8 803.80 803.81 803.82	other open skull fracture with other and unspecified intracranial hemorrhageother open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecifiedother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC	n/a Penetrating Penetrating Penetrating Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev
803.8 803.80 803.81 803.82 803.83	other open skull fracture with other and unspecified intracranial hemorrhageother open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecifiedother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC	n/a Penetrating Penetrating Penetrating	n/a Mod/Sev Mod/Sev
803.8 803.80 803.81 803.82 803.83	other open skull fracture with other and unspecified intracranial hemorrhageother open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecifiedother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC	n/a Penetrating Penetrating Penetrating Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev
803.8 803.80 803.81 803.82 803.83 803.84 803.85	other open skull fracture with other and unspecified intracranial hemorrhageother open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecifiedother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC	n/a Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
803.8 803.80 803.81 803.82 803.83 803.84	other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified other open skull fracture with other and unspecified intracranial hemorrhage w/o LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration	n/a Penetrating Penetrating Penetrating Penetrating Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev
803.8 803.80 803.81 803.82 803.83 803.84 803.85	other open skull fracture with other and unspecified intracranial hemorrhageother open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecifiedother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC	n/a Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
803.8 803.80 803.81 803.82 803.83 803.84 803.85 803.86 803.86	 other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified other open skull fracture with other and unspecified intracranial hemorrhage w/o LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration other open skull fracture with other and unspecified intracranial hemorrhage w/concussion unspecified other open skull fracture with other and unspecified intracranial hemorrhage w/concussion unspecified 	n/a Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
 803.8 803.80 803.81 803.82 803.83 803.84 803.85 803.86 	 other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified other open skull fracture with other and unspecified intracranial hemorrhage w/o LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration other open skull fracture with other and unspecified intracranial hemorrhage w/concussion unspecified other open skull fracture with intracranial injury of other and unspecified nature 	n/a Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
803.8 803.80 803.81 803.82 803.83 803.84 803.85 803.86 803.89 803.9	other open skull fracture with other and unspecified intracranial hemorrhageother open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecifiedother open skull fracture with other and unspecified intracranial hemorrhage w/o LOCother open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC	n/a Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
803.8 803.80 803.81 803.82 803.83 803.84 803.85 803.86 803.86	 other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified other open skull fracture with other and unspecified intracranial hemorrhage w/o LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration other open skull fracture with other and unspecified intracranial hemorrhage w/concussion unspecified other open skull fracture with intracranial injury of other and unspecified nature 	n/a Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
803.8 803.80 803.81 803.82 803.83 803.84 803.85 803.86 803.89 803.9	 other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified other open skull fracture with other and unspecified intracranial hemorrhage w/o LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration other open skull fracture with intracranial injury of other and unspecified nature other open skull fracture with intracranial injury of other and unspecified other open skull fracture with intracranial injury of other and unspecified other open skull fracture with intracranial injury of other and unspecified other open skull fracture with intracranial injury of other and unspecified other open skull fracture with intracranial injury of other and unspecified other open skull fracture with intracranial injury of other and unspecified other open skull fracture with intracranial injury of other and unspecified 	n/a Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
803.8 803.80 803.81 803.82 803.83 803.84 803.85 803.85 803.86 803.89 803.90 803.90	 other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified other open skull fracture with other and unspecified intracranial hemorrhage w/o LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration other open skull fracture with intracranial injury of other and unspecified nature other open skull fracture with intracranial injury of other and unspecified other open skull fracture with intracranial injury of other and unspecified other open skull fracture with intracranial injury of other and unspecified nature w/state of consciousness unspecified other open skull fracture with intracranial injury of other and unspecified nature w/state of consciousness unspecified other open skull fracture with intracranial injury of other and unspecified nature w/o LOC other open skull fracture with intracranial injury of other and unspecified 	n/a Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a Penetrating Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev n/a Mod/Sev
803.8 803.80 803.81 803.82 803.83 803.84 803.85 803.86 803.89 803.9 803.90	other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified other open skull fracture with other and unspecified intracranial hemorrhage w/o LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration other open skull fracture with other and unspecified intracranial hemorrhage w/concussion unspecified other open skull fracture with intracranial injury of other and unspecified nature other open skull fracture with intracranial injury of other and unspecified nature other open skull fracture with intracranial injury of other and unspecified nature w/state of consciousness unspecified other open skull fracture with intracranial injury of other and unspecified nature w/o LOC other open skull fracture with intracranial injury of other and unspecified nature w/brief (<1 hr) LOC	n/a Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
803.8 803.80 803.81 803.82 803.83 803.84 803.85 803.85 803.86 803.89 803.90 803.90	 other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified other open skull fracture with other and unspecified intracranial hemorrhage w/o LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration other open skull fracture with intracranial injury of other and unspecified nature other open skull fracture with intracranial injury of other and unspecified other open skull fracture with intracranial injury of other and unspecified other open skull fracture with intracranial injury of other and unspecified nature w/state of consciousness unspecified other open skull fracture with intracranial injury of other and unspecified nature w/state of consciousness unspecified other open skull fracture with intracranial injury of other and unspecified nature w/o LOC other open skull fracture with intracranial injury of other and unspecified 	n/a Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a Penetrating Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev n/a Mod/Sev
803.8 803.80 803.81 803.82 803.83 803.84 803.85 803.86 803.89 803.90 803.91 803.91 803.92 803.93	other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified other open skull fracture with other and unspecified intracranial hemorrhage w/o LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/concussion unspecified duration other open skull fracture with other and unspecified intracranial hemorrhage w/concussion unspecified other open skull fracture with intracranial injury of other and unspecified nature other open skull fracture with intracranial injury of other and unspecified nature w/state of consciousness unspecified other open skull fracture with intracranial injury of other and unspecified nature w/state of consciousness unspecified other open skull fracture with intracranial injury of other and unspecified nature w/bref (<1 hr) LOC other open skull fracture with intracranial injury of other and unspecified nature w/brief (<1 hr) LOC other open skull fracture with intracranial injury of other and unspecified nature w/moderate (1-24 hrs) LOC other open skull fracture with intracranial injury of other and unspecified nature w/moderate (1-24 hrs) LOC	n/a Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a Penetrating Penetrating Penetrating Penetrating Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev n/a Mod/Sev Mod/Sev Mod/Sev
803.8 803.80 803.81 803.82 803.83 803.84 803.85 803.86 803.89 803.90 803.91 803.91 803.92 803.93	other open skull fracture with other and unspecified intracranial hemorrhage other open skull fracture with other and unspecified intracranial hemorrhage w/state of consciousness unspecified other open skull fracture with other and unspecified intracranial hemorrhage w/o LOC other open skull fracture with other and unspecified intracranial hemorrhage w/brief (<1 hr) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other open skull fracture with other and unspecified intracranial hemorrhage w/LOC of unspecified duration other open skull fracture with other and unspecified intracranial hemorrhage w/concussion unspecified other open skull fracture with intracranial injury of other and unspecified nature other open skull fracture with intracranial injury of other and unspecified nature w/state of consciousness unspecified other open skull fracture with intracranial injury of other and unspecified nature w/state of consciousness unspecified other open skull fracture with intracranial injury of other and unspecified nature w/state of consciousness unspecified other open skull fracture with intracranial injury of other and unspecified nature w/brief (<1 hr) LOC other open skull fracture with intracranial injury of other and unspecified nature w/brief (<1 hr) LOC	n/a Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a Penetrating Penetrating Penetrating Penetrating	n/a Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev n/a Mod/Sev Mod/Sev

002.05	other open skull fracture with intracranial injury of other and unspecified		N. 1/0
803.95	nature w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating	Mod/Sev
202.07	other open skull fracture with intracranial injury of other and unspecified	D	M . 1/C .
803.96	nature w/LOC of unspecified duration	Penetrating	Mod/Sev
803.99	other open skull fracture with intracranial injury of other and unspecified	Depatrating	Mod/Sev
805.99	nature w/concussion unspecified	Penetrating	WIOU/Sev
804.0	closed fractures involving skull or face with other bones w/o mention of	n /o	m /o
804.0	intracranial injury closed fractures involving skull or face with other bones, w/o mention of	n/a	n/a Mild LOC
804.00		Mild	Mild, LOC
804.00	intractranial injury, w/state of consciousness unspecified	Milia	unknown
804.01	closed fractures involving skull or face with other bones, w/o mention of	Mild	Mild no LOC
804.01	intractranial injury, w/o LOC	Milia	Mild, no LOC
804.02	closed fractures involving skull or face with other bones, w/o mention of	M:1.1	MILL LOC
804.02	intractranial injury, w/brief (<1 hr) LOC	Mild	Mild, LOC
804.03	closed fractures involving skull or face with other bones, w/o mention of intracture in interaction in the state of the st	Moderate	Mod/Sev
804.05	intractranial injury, w/moderate (1-24 hrs) LOC	Moderate	WIOU/Sev
	closed fractures involving skull or face with other bones, w/o mention of intractranial injury, w/prolonged (>24 hrs) LOC and return to pre-existing		
804.04	conscious level	Carrana	Mod/Sev
804.04		Severe	WIOU/Sev
	closed fractures involving skull or face with other bones, w/o mention of intractranial injury, w/prolonged (>24 hrs) LOC w/o return to pre-existing		
804.05	conscious level	Severe	Mod/Sev
804.03		Severe	WIOU/Sev
804.06	closed fractures involving skull or face with other bones, w/o mention of intractronic injury, w/LOC of uncertained duration	Mild	Mild LOC
804.00	intractranial injury, w/LOC of unspecified duration	Milia	Mild, LOC
804.00	closed fractures involving skull or face with other bones, w/o mention of	M.:1.J	Mild, LOC
804.09	intractranial injury, w/concussion unspecified	Mild	unknown
804.1	closed fractures involving skull or face with other bones with cerebral laceration and contusion	n /o	m /o
804.1		n/a	n/a
804.10	closed fractures involving skull or face with other bones with cerebral laceration and contusion w/state of consciousness unspecified	Moderate	Mod/Sev
804.10	closed fractures involving skull or face with other bones with cerebral	Wilderate	WIOU/Sev
804.11	laceration and contusion w/o LOC	Moderate	Mod/Sev
004.11	closed fractures involving skull or face with other bones with cerebral	Wilderate	WIOU/Sev
804.12	laceration and contusion w/brief (<1 hr) LOC	Moderate	Mod/Sev
004.12	closed fractures involving skull or face with other bones with cerebral	Wilderate	WIOU/Sev
804.13	laceration and contusion w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
004.15	closed fractures involving skull or face with other bones with cerebral	Wioderate	WIOU/ SCV
	laceration and contusion w/prolonged (>24 hrs) LOC and return to pre-		
804.14	existing conscious level	Severe	Mod/Sev
004.14	closed fractures involving skull or face with other bones with cerebral	Severe	WIOU/ SCV
	laceration and contusion w/prolonged (>24 hrs) LOC w/o return to pre-		
804.15	existing conscious level	Severe	Mod/Sev
004.15	closed fractures involving skull or face with other bones with cerebral	Severe	WIOU/ SCV
804.16	laceration and contusion w/LOC of unspecified duration	Moderate	Mod/Sev
001.10	closed fractures involving skull or face with other bones with cerebral	moderate	11100/ 501
804.19	laceration and contusion w/concussion unspecified	Moderate	Mod/Sev
004.17	closed fractures involving skull or face with other bones with	Woderate	WIOd/ BCV
804.2	subarachnoid subdural and extradural hemorrhage	n/a	n/a
001.2	closed fractures involving skull or face with other bones with subarachnoid	ii/ u	11/ u
804.20	subdural and extradural hemorrhage w/state of consciousness unspecified	Moderate	Mod/Sev
001.20	closed fractures involving skull or face with other bones with subarachnoid	moderate	
804.21	subdural and extradural hemorrhage w/o LOC	Moderate	Mod/Sev
001.21	closed fractures involving skull or face with other bones with subarachnoid	moderate	11100/ 501
804.22	subdural and extradural hemorrhage w/brief (<1 hr) LOC	Moderate	Mod/Sev
004.22	closed fractures involving skull or face with other bones with subarachnoid	Woderate	WIOd/ BCV
804.23	subdural and extradural hemorrhage w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
001.23	closed fractures involving skull or face with other bones with subarachnoid	mourait	11100/001
	subdural and extradural hemorrhage w/prolonged (>24 hrs) LOC and return		
804.24	to pre-existing conscious level	Severe	Mod/Sev
007.24	closed fractures involving skull or face with other bones with subarachnoid	Severe	
804.25	subdural and extradural hemorrhage w/prolonged (>24 hrs) LOC w/o return	Severe	Mod/Sev
		Bevele	11100/00/
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	to pre-existing conscious level		
	closed fractures involving skull or face with other bones with subarachnoid		
804.26	subdural and extradural hemorrhage w/LOC of unspecified duration	Moderate	Mod/Sev
804.29	closed fractures involving skull or face with other bones with subarachnoid subdural and extradural hemorrhage w/concussion unspecified	Moderate	Mod/Sev
004.29	closed fractures involving skull or face with other bones with other and	Wilderate	WIOU/Sev
804.3	unspecified intracranial hemorrhage	n/a	n/a
	closed fractures involving skull or face with other bones with other and		
804.30	unspecified intracranial hemorrhage w/state of consciousness unspecified	Moderate	Mod/Sev
	closed fractures involving skull or face with other bones with other and		
804.31	unspecified intracranial hemorrhage w/o LOC	Moderate	Mod/Sev
004.22	closed fractures involving skull or face with other bones with other and		M. 1/C.
804.32	unspecified intracranial hemorrhage w/brief (<1 hr) LOC	Moderate	Mod/Sev
804.33	closed fractures involving skull or face with other bones with other and unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
004.55	closed fractures involving skull or face with other bones with other and	Wioderate	WIGG/BCV
	unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and Return		
804.34	To Pre- Existing Conscious Level	Severe	Mod/Sev
	closed fractures involving skull or face with other bones with other and		
	unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC w/o return		
804.35	to pre-existing conscious level	Severe	Mod/Sev
004.26	closed fractures involving skull or face with other bones with other and	Ma landa	$M = 1/\Omega$
804.36	unspecified intracranial hemorrhage w/LOC of unspecified duration closed fractures involving skull or face with other bones with other and	Moderate	Mod/Sev
804.39	unspecified intracranial hemorrhage w/concussion unspecified	Moderate	Mod/Sev
001.37	closed fractures involving skull or face with other bones with intracranial	Woderate	11100/501
804.4	injury of other and unspecified nature	n/a	n/a
	closed fractures involving skull or face with other bones with intracranial		
804.40	injury of other and unspecified nature w/state of consciousness unspecified	Moderate	Mod/Sev
	closed fractures involving skull or face with other bones with intracranial		
804.41	injury of other and unspecified nature w/o LOC	Moderate	Mod/Sev
804.42	closed fractures involving skull or face with other bones with intracranial	Moderate	Mod/Sev
004.42	injury of other and unspecified nature w/brief (<1 hr) LOC closed fractures involving skull or face with other bones with intracranial	Moderate	MOU/Sev
804.43	injury of other and unspecified nature w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
	closed fractures involving skull or face with other bones with intracranial		
	injury of other and unspecified nature w/prolonged (>24 hrs) LOC and return		
804.44	to pre-existing conscious level	Severe	Mod/Sev
	closed fractures involving skull or face with other bones with intracranial		
004.45	injury of other and unspecified nature w/prolonged (>24 hrs) LOC w/o return	a	1/0
804.45	to pre-existing conscious level	Severe	Mod/Sev
804.46	closed fractures involving skull or face with other bones with intracranial injury of other and unspecified nature w/LOC of unspecified duration	Moderate	Mod/Sev
804.40	closed fractures involving skull or face with other bones with intracranial	Wilderate	WIOU/Sev
804.49	injury of other and unspecified nature w/concussion unspecified	Moderate	Mod/Sev
	open fractures involving skull or face with other bones w/o mention of		
804.5	intracranial injury	n/a	n/a
	open fractures involving skull or face with other bones w/o mention of		Mild, LOC
804.50	intracranial injury w/state of consciousness unspecified	Mild	unknown
004 51	open fractures involving skull or face with other bones w/o mention of	N (*1 1	
804.51	intracranial injury w/o LOC	Mild	Mild, no LOC
804.52	open fractures involving skull or face with other bones w/o mention of intracranial injury w/brief (<1 hr) LOC	Mild	Mild, LOC
004.52	open fractures involving skull or face with other bones w/o mention of	WING	Wild, LOC
804.53	intracranial injury w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
	open fractures involving skull or face with other bones w/o mention of		
	intracranial injury w/prolonged (>24 hrs) LOC and return to pre-existing		
804.54	conscious level	Severe	Mod/Sev
	open fractures involving skull or face with other bones w/o mention of		
004 55	intracranial injury w/prolonged (>24 hrs) LOC w/o return to pre-existing	a	
804.55	conscious level	Severe	Mod/Sev
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	open fractures involving skull or face with other bones w/o mention of		
804.56	intracranial injury w/LOC of unspecified duration	Moderate	Mod/Sev
001.50	open fractures involving skull or face with other bones w/o mention of	Moderate	11100/000
804.59	intracranial injury w/concussion unspecified	Moderate	Mod/Sev
001.57	open fractures involving skull or face with other bones with cerebral	Moderate	11100/000
804.6	laceration and contusion	n/a	n/a
001.0	open fractures involving skull or face with other bones with cerebral	ii/ u	ii/ u
804.60	laceration and contusion w/state of consciousness unspecified	Penetrating	Mod/Sev
004.00	open fractures involving skull or face with other bones with cerebral	Tenetrating	WIOU/Sev
804.61	laceration and contusion w/o LOC	Penetrating	Mod/Sev
804.01	open fractures involving skull or face with other bones with cerebral	Tenetrating	WIOU/SCV
804.62	laceration and contusion w/brief (<1 hr) LOC	Penetrating	Mod/Sev
804.02	open fractures involving skull or face with other bones with cerebral	renetrating	WIOU/Sev
901 62	laceration and contusion w/moderate (1-24 hrs) LOC	Demotrating	Mod/Cav
804.63		Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with cerebral		
901 61	laceration and contusion w/prolonged (>24 hrs) LOC and return to pre-	Demotrating	Mod/Sou
804.64	existing conscious level	Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with cerebral		
004.65	laceration and contusion w/prolonged (>24 hrs) LOC w/o return to pre-	Deserve	M . 1/C .
804.65	existing conscious level	Penetrating	Mod/Sev
004.66	open fractures involving skull or face with other bones with cerebral		N 1/0
804.66	laceration and contusion w/LOC of unspecified duration	Penetrating	Mod/Sev
0.0.4.50	open fractures involving skull or face with other bones with cerebral	D	
804.69	laceration and contusion w/concussion unspecified	Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with		
804.7	subarachnoid subdural and extradural hemorrhage	n/a	n/a
	open fractures involving skull or face with other bones with subarachnoid		
804.70	subdural and extradural hemorrhage w/state of consciousness unspecified	Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with subarachnoid		
804.71	subdural and extradural hemorrhage w/o LOC	Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with subarachnoid		
804.72	subdural and extradural hemorrhage w/brief (<1 hr) LOC	Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with subarachnoid		
804.73	subdural and extradural hemorrhage w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with subarachnoid		
	subdural and extradural hemorrhage w/prolonged (>24 hrs) LOC and return		
804.74	to pre-existing conscious level	Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with subarachnoid	-	
	subdural and extradural hemorrhage w/prolonged (>24 hrs) LOC w/o return		
804.75	to pre-existing conscious level	Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with subarachnoid	C C	
804.76	subdural and extradural hemorrhage w/LOC of unspecified duration	Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with subarachnoid	e	
804.79	subdural and extradural hemorrhage w/concussion unspecified	Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with other and	8	
804.8	unspecified intracranial hemorrhage	n/a	n/a
	open fractures involving skull or face with other bones with other and		
804.80	unspecified intracranial hemorrhage w/state of consciousness unspecified	Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with other and	8	
804.81	unspecified intracranial hemorrhage w/o LOC	Penetrating	Mod/Sev
001101	open fractures involving skull or face with other bones with other and	1 energang	1110 0, 50
804.82	unspecified intracranial hemorrhage w/brief (<1 hr) LOC	Penetrating	Mod/Sev
004.02	open fractures involving skull or face with other bones with other and	renetrating	Widd/ Bev
804.83	unspecified intracranial hemorrhage w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
004.05	open fractures involving skull or face with other bones with other and	Tenetrating	WIOU/ Sev
	unspecified intracranial hemorrhage w/prolonged (>24 hrs) LOC and return to		
804.84	pre-existing conscious level	Penetrating	Mod/Sev
007.07	open fractures involving skull or face with other bones with other and	renettatilig	11100/361
804.85	unspecified intracranial hemorrhage w/prolonged (>24 hrs) Loss	Denotrating	Mod/Sev
	Consciousness w/o return to pre-existing conscious level	Penetrating	
804.86	open fractures involving skull or face with other bones with other and	Penetrating	Mod/Sev
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	unspecified intracranial hemorrhage w/LOC of unspecified duration		
	open fractures involving skull or face with other bones with other and		
804.89	unspecified intracranial hemorrhage w/concussion unspecified open fractures involving skull or face with other bones with intracranial	Penetrating	Mod/Sev
804.9	injury of other and unspecified nature open fractures involving skull or face with other bones with intracranial	n/a	n/a
804.90	injury of other and unspecified nature w/state of consciousness unspecified	Penetrating	Mod/Sev
804.91	open fractures involving skull or face with other bones with intracranial injury of other and unspecified nature w/o LOC	Penetrating	Mod/Sev
804.92	open fractures involving skull or face with other bones with intracranial injury of other and unspecified nature w/brief (<1 hr) LOC	Penetrating	Mod/Sev
804.93	open fractures involving skull or face with other bones with intracranial injury of other and unspecified nature w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with intracranial injury of other and unspecified nature w/prolonged (>24 hrs) LOC and return	8	
804.94	to pre-existing conscious level	Penetrating	Mod/Sev
	open fractures involving skull or face with other bones with intracranial	1 0110111111	11100,500
	injury of other and unspecified nature w/prolonged (>24 hrs) LOC w/o return		
804.95	to pre-existing conscious level	Penetrating	Mod/Sev
004.06	open fractures involving skull or face with other bones with intracranial	Denter	M . 1/C .
804.96	injury of other and unspecified nature w/LOC of unspecified duration open fractures involving skull or face with other bones with intracranial	Penetrating	Mod/Sev
804.99	injury of other and unspecified nature w/concussion unspecified	Penetrating	Mod/Sev
001.77	injury of other and anspectifica nature w/concussion anspectifica	reneutuing	Mild, LOC
850	concussion	Mild	unknown
850.0	concussion w/o LOC	Mild	Mild, no LOC
850.1	concussion w/brief LOC	Mild	Mild, LOC
850.11	concussion w/LOC of 30 min or less	Mild	Mild, LOC
850.12	concussion w/LOC From 31-59 min	Moderate	Mod/Sev
850.2	concussion w/moderate LOC	Moderate	Mod/Sev
850.3	concussion w/prolonged LOC and return to pre-existing conscious level	Severe	Mod/Sev
850.4	concussion w/prolonged LOC w/o return to pre-existing conscious level	Severe	Mod/Sev
850.5	concussion w/LOC of unspecified duration	Mild	Mild, LOC Mild, LOC
850.9	concussion unspecified	Mild	unknown
851.0	cortex (cerebral) contusion w/o mention of open intracranial wound	n/a	n/a
	cortex (cerebral) contusion w/o mention of open intracranial wound, state of		
851.00	consciousness unspecified	Moderate	Mod/Sev
851.01	cortex (cerebral) contusion w/o mention of open intracranial wound w/o LOC cortex (cerebral) contusion w/o mention of open intracranial wound w/brief	Moderate	Mod/Sev
851.02	(<1 hr) LOC cortex (cerebral) contusion w/o mention of open intracranial wound	Moderate	Mod/Sev
851.03	w/moderate (1-24 hrs) LOC cortex (cerebral) contusion w/o mention of open intracranial wound	Moderate	Mod/Sev
851.04	w/prolonged (>24 hrs) LOC and return to pre-existing conscious level cortex (cerebral) contusion w/o mention of open intracranial wound	Severe	Mod/Sev
851.05	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level cortex (cerebral) contusion w/o mention of open intracranial wound w/LOC	Severe	Mod/Sev
851.06	of unspecified duration cortex (cerebral) contusion w/o mention of open intracranial wound	Moderate	Mod/Sev
851.09	w/concussion unspecified	Moderate	Mod/Sev
851.1	cortex (cerebral) contusion with open intracranial wound	n/a	n/a
	cortex (cerebral) contusion with open intracranial wound w/state of		
851.10	consciousness unspecified	Penetrating	Mod/Sev
851.11	cortex (cerebral) contusion with open intracranial wound w/o LOC	Penetrating	Mod/Sev
851.12	cortex (cerebral) contusion with open intracranial wound w/brief (<1 hr) LOC	Penetrating	Mod/Sev
851.13	cortex (cerebral) contusion with open intracranial wound w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
851.13	cortex (cerebral) contusion with open intracranial wound w/prolonged (>24	Penetrating	Mod/Sev Mod/Sev
		renetratilig	11100/001
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	hrs) LOC and return to pre-existing conscious level		
851.15	cortex (cerebral) contusion with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level cortex (cerebral) contusion with open intracranial wound w/LOC of	Penetrating	Mod/Sev
851.16	unspecified duration cortex (cerebral) contusion with open intracranial wound w/concussion	Penetrating	Mod/Sev
851.19	unspecified	Penetrating	Mod/Sev
851.2	cortex (cerebral) laceration w/o mention of open intracranial wound	n/a	n/a
	cortex (cerebral) laceration w/o mention of open intracranial wound w/state		
851.20	of consciousness unspecified	Moderate	Mod/Sev
851.21	cortex (cerebral) laceration w/o mention of open intracranial wound w/o LOC cortex (cerebral) laceration w/o mention of open intracranial wound w/brief	Moderate	Mod/Sev
851.22	(<1 hr) LOC	Moderate	Mod/Sev
851.23	cortex (cerebral) laceration w/o mention of open intracranial wound w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
631.25	cortex (cerebral) laceration w/o mention of open intracranial wound	Moderate	wou/sev
851.24	w/prolonged (>24 hrs) LOC and return to pre-existing conscious level cortex (cerebral) laceration w/o mention of open intracranial wound	Severe	Mod/Sev
851.25	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Severe	Mod/Sev
	cortex (cerebral) laceration w/o mention of open intracranial wound w/LOC		
851.26	of unspecified duration	Moderate	Mod/Sev
951 20	cortex (cerebral) laceration w/o mention of open intracranial wound	Madausta	Mod/Sev
851.29	w/concussion unspecified	Moderate	
851.3	cortex (derebral) laceration with open intracranial wound cortex (derebral) laceration with open intracranial wound w/state of	n/a	n/a
851.30	consciousness unspecified	Penetrating	Mod/Sev
851.31	cortex (derebral) laceration with open intracranial wound w/o LOC	Penetrating	Mod/Sev
	cortex (derebral) laceration with open intracranial wound w/brief (<1 hr)	8	
851.32	LOC	Penetrating	Mod/Sev
	cortex (derebral) laceration with open intracranial wound w/moderate (1-24		
851.33	hrs) LOC	Penetrating	Mod/Sev
851.34	cortex (derebral) laceration with open intracranial wound w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Penetrating	Mod/Sev
051.54	cortex (derebral) laceration with open intracranial wound w/prolonged (>24	renetrating	WIOU/Sev
851.35	hrs) LOC w/o return to pre-existing conscious level	Penetrating	Mod/Sev
	cortex (derebral) laceration with open intracranial wound w/LOC of	C	
851.36	unspecified duration	Penetrating	Mod/Sev
951 20	cortex (derebral) laceration with open intracranial wound w/concussion	Description	M . 1/C
851.39	unspecified cerebellar or brain stem contusion w/o mention of open intracranial	Penetrating	Mod/Sev
851.4	wound	n/a	n/a
	cerebellar or brain stem contusion w/o mention of open intracranial wound		
851.40	w/state of consciousness unspecified	Moderate	Mod/Sev
051 41	cerebellar or brain stem contusion w/o mention of open intracranial wound		1/0
851.41	w/o LOC	Moderate	Mod/Sev
851.42	cerebellar or brain stem contusion w/o mention of open intracranial wound w/brief (<1 hr) LOC	Moderate	Mod/Sev
001.12	cerebellar or brain stem contusion w/o mention of open intracranial wound	moderate	11104/001
851.43	w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
	cerebellar or brain stem contusion w/o mention of open intracranial wound		
051 44	w/prolonged (>24 hrs) Loss Consciousness and return to pre-existing	G	M 1/0
851.44	conscious level cerebellar or brain stem contusion w/o mention of open intracranial wound	Severe	Mod/Sev
851.45	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Severe	Mod/Sev
001110	cerebellar or brain stem contusion w/o mention of open intracranial wound	20.000	1.100,001
851.46	w/LOC of unspecified duration	Moderate	Mod/Sev
	cerebellar or brain stem contusion w/o mention of open intracranial wound		
851.49	w/concussion unspecified	Moderate	Mod/Sev
851.5	cerebellar or brain stem contusion with open intracranial wound	n/a	n/a
851.50	cerebellar or brain stem contusion with open intracranial wound w/state of	Penetrating	Mod/Sev
0 0010 1			

	consciousness unspecified		
851.51	cerebellar or brain stem contusion with open intracranial wound w/o LOC cerebellar or brain stem contusion with open intracranial wound w/brief (<1	Penetrating	Mod/Sev
851.52	hr) LOC cerebellar or brain stem contusion with open intracranial wound w/moderate	Penetrating	Mod/Sev
851.53	(1-24 hrs) LOC	Penetrating	Mod/Sev
851.54	cerebellar or brain stem contusion with open intracranial wound w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Penetrating	Mod/Sev
851.55	cerebellar or brain stem contusion with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating	Mod/Sev
851.56	cerebellar or brain stem contusion with open intracranial wound w/LOC of unspecified duration	Penetrating	Mod/Sev
851.59	cerebellar or brain stem contusion with open intracranial wound w/concussion unspecified	Penetrating	Mod/Sev
851.6	cerebellar or brain stem laceration w/o mention of open intracranial wound	n/a	n/a
851.60	cerebellar or brain stem laceration w/o mention of open intracranial wound w/state of consciousness unspecified	Moderate	Mod/Sev
	cerebellar or brain stem laceration w/o mention of open intracranial wound		
851.61	w/o LOC cerebellar or brain stem laceration w/o mention of open intracranial wound	Moderate	Mod/Sev
851.62	w/brief (Less Than 1 Hour) LOC cerebellar or brain stem laceration w/o mention of open intracranial wound	Moderate	Mod/Sev
851.63	w/moderate (1-24 hrs) LOC cerebellar or brain stem laceration w/o mention of open intracranial wound	Moderate	Mod/Sev
851.64	w/prolonged (>24 hrs) LOC and return to pre-existing conscious level cerebellar or brain stem laceration w/o mention of open intracranial wound	Severe	Mod/Sev
851.65	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level cerebellar or brain stem laceration w/o mention of open intracranial wound	Severe	Mod/Sev
851.66	w/LOC of unspecified duration cerebellar or brain stem laceration w/o mention of open intracranial wound	Moderate	Mod/Sev
851.69	w/concussion unspecified	Moderate	Mod/Sev
851.7	cerebellar or brain stem laceration with open intracranial wound cerebellar or brain stem laceration with open intracranial wound w/state of	n/a	n/a
851.70	consciousness unspecified	Penetrating	Mod/Sev
851.71	cerebellar or brain stem laceration with open intracranial wound w/o LOC	Penetrating	Mod/Sev
851.72	cerebellar or brain stem laceration with open intracranial wound w/brief (<1 hr) LOC	Penetrating	Mod/Sev
851.73	cerebellar or brain stem laceration with open intracranial wound w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
851.74	cerebellar or brain stem laceration with open intracranial wound w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Penetrating	Mod/Sev
851.75	cerebellar or brain stem laceration with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating	Mod/Sev
851.76	cerebellar or brain stem laceration with open intracranial wound w/LOC of unspecified duration	Penetrating	Mod/Sev
851.79	cerebellar or brain stem laceration with open intracranial wound w/concussion unspecified	Penetrating	Mod/Sev
851.8	other and unspecified cerebral laceration and contusion w/o mention of open intracranial wound	n/a	n/a
851.80	other and unspecified cerebral laceration and contusion w/o mention of open intracranial wound w/state of consciousness unspecified	Moderate	Mod/Sev
851.81	other and unspecified cerebral laceration and contusion w/o mention of open intracranial wound w/o LOC	Moderate	Mod/Sev
851.82	other and unspecified cerebral laceration and contusion w/o mention of open intracranial wound w/brief (<1 hr) LOC	Moderate	Mod/Sev
851.83	other and unspecified cerebral laceration and contusion w/o mention of open intracranial wound w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
851.84	other and unspecified cerebral laceration and contusion w/o mention of open intracranial wound w/prolonged (>24 hrs) LOC and Return To Pre- Existing	Severe	Mod/Sev

other and unspecified cerebral laceration and contusion wito mention of open intracranial wound wirploonged (>24 hrs) LOC wio return to pre-existing conscious levelModerateModerate851.86other and unspecified cerebral laceration and contusion wito mention of open intracranial wound wirploof conscission unspecified deteration and contusion with open intracranial wound wirploof conscission unspecified cerebral laceration and contusion with open intracranial wound wirploof conscission unspecified cerebral laceration and contusion with open intracranial wound wirploof conscission unspecified other and unspecified cerebral laceration and contusion with open intracranial wound wirploof conscission wound wirploof conscission wound wirploof conscission wound wirploof conscission and contusion with open intracranial wound wirploof conscission wound wirploof conscission and contusion with open intracranial wound wirploof (>24 hrs) LOC conscission with open intracranial wound wirploof (>24 hrs) LOC wound wirploof conscission with open intracranial wound wirploof conscission with open intracranial wound wirploof conscission suspectified wound wirploof conscission suspectified wound wirploof conscission with open intracranial wound wir		Conscious Level		
851.85 constrous level Severe Mod/Sev 851.86 intracranial wound w/LOC of unspecified duration other and unspecified cerebral laceration and contusion w/n mention of open intracranial wound w/LOC of unspecified duration other and unspecified cerebral laceration and contusion w/n mention of open intracranial wound w/concussion unspecified Mod/Sev 851.90 other and unspecified cerebral laceration and contusion w/n open intracranial wound w/state of consciousness unspecified Mod/Sev 851.91 wound w/state of consciousness unspecified Mod/Sev 851.92 woher and unspecified cerebral laceration and contusion w/n open intracranial wound w/moderate (-1-24 hrs) LOC Penetrating Mod/Sev 851.92 woher and unspecified cerebral laceration and contusion w/n open intracranial wound w/moderate (-1-24 hrs) LOC Penetrating Mod/Sev 851.94 wound w/moderate (-1-24 hrs) LOC Construct to pre-existing conscious level other and unspecified cerebral laceration and contusion w/th open intracranial wound w/moderate (-1-24 hrs) LOC Penetrating Mod/Sev 851.95 wound w/moderate (-1-24 hrs) LOC Penetrating Mod/Sev 91.94 wound w/moderate (-1-24 hrs) LOC Penetrating Mod/Sev 851.95 wound w/moderate (-1-24 hrs) LOC moderate Mod/Sev		other and unspecified cerebral laceration and contusion w/o mention of open		
851.86 intracranial wound w/LOC of unspecified duration Moderate Moderate 851.90 intracranial wound w/LOC of unspecified cerebral laceration and contusion with open intracranial ober and unspecified cerebral laceration and contusion with open intracranial wound with a discusses unspecified cerebral laceration and contusion with open intracranial wound with a discusses unspecified cerebral laceration and contusion with open intracranial wound with of (-1) hrst of consciousness unspecified cerebral laceration and contusion with open intracranial wound with of (-1) hrst of consciousness unspecified cerebral laceration and contusion with open intracranial wound with open intracranial wound with open intracranial wound with open intracranial wound with open (-1) hrst of care terebral laceration and contusion with open intracranial wound with open (-1) hrst of care terebral laceration and contusion with open intracranial wound with open (-2) hrst DC Penetrating Mod/Sev 851.99 wound with open (-2) hrst DC Penetrating Mod/Sev 851.90 wound with open intracranial wound wound work (-2) hrst DC Penetrating Mod/Sev 851.91 wound with open intracranial wound wound work (-2) hrst DC Penetrating Mod/Sev 851.92 wound with open intracranial woun	851.85	conscious level	Severe	Mod/Sev
\$51.89 intracranial wound woncersion unspecified Mod/sev \$51.9 other and unspecified cerebral laceration and contusion with open intracranial na na \$51.90 wound w/state of consciousness unspecified Penetrating Mod/Sev \$51.91 wound w/state of consciousness unspecified Penetrating Mod/Sev \$51.92 wound w/state of consciousness unspecified Penetrating Mod/Sev \$51.92 other and unspecified cerebral laceration and contusion with open intracranial Mod/Sev \$51.93 wound w/state of cerebral laceration and contusion with open intracranial Mod/Sev \$51.94 wound w/molect (<1 hr LOC	851.86	intracranial wound w/LOC of unspecified duration	Moderate	Mod/Sev
851.9 intracranial wound n'a n'a 851.90 wound w/state of consciousness unspecified penetrating Mod/Sev 851.91 wound w/state of consciousness unspecified penetrating Mod/Sev 851.91 wound w/state of consciousness unspecified corebral laceration and contusion with open intracranial Penetrating Mod/Sev 851.92 wound w/brief (<1 hr) LOC	851.89	intracranial wound w/concussion unspecified	Moderate	Mod/Sev
851.90 wound wistate of consciousness unspecified Penetrating Mod/Sev 851.91 wound wind wol.LOC Penetrating Mod/Sev 851.92 wound winfer (<1 hr) LOC	851.9	intracranial wound	n/a	n/a
\$51.91wound w/b LOCPenetratingMod/Sev\$51.92wound w/brief (<1 hr) LOC	851.90	wound w/state of consciousness unspecified	Penetrating	Mod/Sev
851.92 wound w/briel (<1 hr) LOC	851.91	wound w/o LOC	Penetrating	Mod/Sev
851.93 wound w/moderate (1-24 hrs) LOC Penetrating Mod/Sev 851.94 wound w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other and unspecified cerebral laceration and contusion with open intracranial wound w/prolonged (>24 hrs) LOC worturn to pre-existing conscious level other and unspecified cerebral laceration and contusion with open intracranial wound w/LOC of unspecified duration Penetrating Mod/Sev 851.95 wound w/molemate (1-24 hrs) LOC worturn to pre-existing conscious level other and unspecified cerebral laceration and contusion with open intracranial wound w/LOC of unspecified duration Penetrating Mod/Sev 851.99 wound w/concussion unspecified corebral laceration and contusion with open intracranial wound w/state of consciousness unspecified Penetrating Mod/Sev 852.00 subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/istate of consciousness unspecified Moderate Mod/Sev 852.01 wound w/noderate (1-44 hrs) LOC Moderate Mod/Sev 852.02 wound w/noderate (1-44 hrs) LOC Moderate Mod/Sev 852.03 wound w/noderate (1-44 hrs) LOC Moderate Mod/Sev 852.04 wound w/noderate [1-44 hrs) LOC Moderate Mod/Sev 852.05 wound w/noderate [1-44 hrs) LOC Moderate Mod/Sev 852.06 wound w/noderate [1-44 hrs) LOC Moderate Mod/Sev 852.07	851.92	wound w/brief (<1 hr) LOC	Penetrating	Mod/Sev
851.94 wound w/prolonged (>24 hrs) LOC and return to pre-existing conscious level other and unspecified cerebral laceration and contusion with open intracranial 851.95 Penetrating Mod/Sev 851.95 wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified cerebral laceration and contusion with open intracranial 851.96 Penetrating Mod/Sev 851.95 wound w/concussion unspecified Penetrating Mod/Sev 851.90 wound w/concussion unspecified Penetrating Mod/Sev 852.00 intracranial wound Penetrating Mod/Sev 852.01 wound w/state of consciousness unspecified Moderate Mod/Sev 852.02 wound w/state of consciousness unspecified Moderate Mod/Sev 852.01 wound w/state of consciousness unspecified Moderate Mod/Sev 852.02 wound w/moderate (1-24 hrs) LOC Moderate Mod/Sev 852.03 wound w/moderate (1-24 hrs) LOC Moderate Mod/Sev 852.04 wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level subarachnoid hemorrhage following injury w/o mention of open intracranial Moderate Mod/Sev 852.05 wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level subarachnoid hemorrhage following injury w/o mention of open intracranial Severe Mod/Sev 852.06 wound w/pr	851.93	wound w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
851.95wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified cerebral laceration and contusion with open intracranial wound w/LOC of unspecified duration other and unspecified cerebral laceration and contusion with open intracranial wound w/concussion unspecified subarachnoid hemorrhage following injury w/o mention of open intracranial wound subarachnoid hemorrhage following injury w/o mention of open intracranial subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/state of consciousness unspecified uwound w/state of consciousness unspecified wound w/state of consciousness unspecified wound w/state of consciousness unspecified wound w/orlef (<1 hr) LOC wound w/brief (<1 hr) LOC wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/state of consciousness unspecified subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/orce subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/prolonged (>24 hrs) LOC subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/osce subarachnoid hemorrhage following injury w/o mention of open intra	851.94	wound w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Penetrating	Mod/Sev
851.96wound w/LOC of unspecified duration other and unspecified cerebral laceration and contusion with open intracranial wound w/concussion unspecifiedPenetratingMod/Sev851.99wound w/concussion unspecified ubarachnoid hemorrhage following injury w/o mention of open subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/state of consciousness unspecified usbarachnoid hemorrhage following injury w/o mention of open intracranial wound w/o LOC subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/brief (<1 hr) LOC subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/moderate (1-24 hrs) LOC usbarachnoid hemorrhage following injury w/o mention of open intracranial wound w/moderate (1-24 hrs) LOC subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/prolonged (>24 hrs) LOC subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/prolonged (>24 hrs) LOC wound w/prolonged (>24 hrs) LOC wound w/prolonged (>24 hrs) LOC wound w/coC of unspecified duration subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/coccussion unspecified wound w/coccussion unspecified wound w/coccussion unspecifiedModerateMod/Sev852.06 wound w/prolonged (>24 hrs) LOC subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/coccussion unspecifiedModerateMod/Sev852.10 wound w/coc cost un uspecified subarachnoid hemorrhage following injury with open intracranial wound w/coccussion unspecifiedModerateMod/Sev852.11 subarachnoid hemorrhage following injury with open intracranial wound w/briel (<1 hr) LOC subarachnoid hemorrhage following injury with open int	851.95	wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating	Mod/Sev
851.99 wound w/concussion unspecified Penetrating Mod/Sev subarachnoid hemorrhage following injury w/o mention of open n/a n/a 852.00 wound w/state of consciousness unspecified Moderate Mod/Sev subarachnoid hemorrhage following injury w/o mention of open intracranial Moderate Mod/Sev subarachnoid hemorrhage following injury w/o mention of open intracranial Moderate Mod/Sev subarachnoid hemorrhage following injury w/o mention of open intracranial Moderate Mod/Sev subarachnoid hemorrhage following injury w/o mention of open intracranial Moderate Mod/Sev subarachnoid hemorrhage following injury w/o mention of open intracranial Moderate Mod/Sev subarachnoid hemorrhage following injury w/o mention of open intracranial Severe Mod/Sev subarachnoid hemorrhage following injury w/o mention of open intracranial Severe Mod/Sev subarachnoid hemorrhage following injury w/o mention of open intracranial Severe Mod/Sev subarachnoid hemorrhage following injury w/o mention of open intracranial Moderate Mod/Sev subarachnoid hemorrhage following injury w/o mention of open intracranial Mod/Sev Severe Mod/Sev subarachnoid hemorrhage following injury w/o mention of open intracranial Mod/Sev Severe Mod/Sev subarachnoid hemorrh	851.96	wound w/LOC of unspecified duration	Penetrating	Mod/Sev
852.0 intracranial wound n/a n/a subarachnoid hemorrhage following injury w/o mention of open intracranial Moderate Mod/Sev 852.00 subarachnoid hemorrhage following injury w/o mention of open intracranial Moderate Mod/Sev 852.01 wound w/brief (<1 hr) LOC	851.99	wound w/concussion unspecified	Penetrating	Mod/Sev
852.00wound w/state of consciousness unspecified subarachnoid hemorrhage following injury w/o mention of open intracranial 852.01ModerateMod/Sev852.02wound w/o LOC subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/moderate (1-24 hrs) LOC subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/moderate (1-24 hrs) LOC subarachnoid hemorrhage following injury w/o mention of open intracranial 852.02Moderate Mod/Sev852.03wound w/moderate (1-24 hrs) LOC subarachnoid hemorrhage following injury w/o mention of open intracranial 852.04ModerateMod/Sev852.05wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level subarachnoid hemorrhage following injury w/o mention of open intracranial 852.06SevereMod/Sev852.09wound w/coccusion unspecified subarachnoid hemorrhage following injury w/o mention of open intracranial 852.10ModerateMod/Sev852.10wistate of consciousness unspecified subarachnoid hemorrhage following injury with open intracranial woundMod/SevMod/Sev852.11LOC subarachnoid hemorrhage following injury with open intracranial wound w/state of consciousness unspecified subarachnoid hemorrhage following injury with open intracranial wound woundPenetratingMod/Sev852.12w/bref (<1 hr) LOC subarachnoid hemorrhage following injury with open intracranial wound subarachnoid hemorrhage following injury with open intracran	852.0	intracranial wound	n/a	n/a
852.01wound w/o LOC subarachnoid hemorrhage following injury w/o mention of open intracranial subarachnoid hemorrhage following injury w/o mention of open intracranial wound w/brief (<1 hr) LOC subarachnoid hemorrhage following injury w/o mention of open intracranial 852.03ModerateMod/Sev852.03wound w/moderate (1-24 hrs) LOC subarachnoid hemorrhage following injury w/o mention of open intracranial 852.04ModerateMod/Sev852.04wound w/prolonged (>24 hrs) LOC and return to pre-existing conscious level subarachnoid hemorrhage following injury w/o mention of open intracranial 852.05SevereMod/Sev852.06wound w/LOC of unspecified duration subarachnoid hemorrhage following injury w/o mention of open intracranial 852.09ModerateMod/Sev852.01wound w/coccussion unspecified subarachnoid hemorrhage following injury wi/o mention of open intracranial subarachnoid hemorrhage following injury with open intracranial wound w/coccussion unspecified subarachnoid hemorrhage following injury with open intracranial wound w/oscusses unspecified subarachnoid hemorrhage following injury with open intracranial wound w/state of consciousness unspecified subarachnoid hemorrhage following injury with open intracranial wound work is worth demorrhage following injury with open intracranial wound subarachnoid hemorrhage following injury with open intracranial wound work is worth demorrhage following injury with open intracranial wound subarachnoid hemorrhage followi	852.00	wound w/state of consciousness unspecified	Moderate	Mod/Sev
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852.14w/prolonged (>24 hrs) LOC and return to pre-existing conscious level subarachnoid hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level subarachnoid hemorrhage following injury with open intracranial woundPenetratingMod/Sev852.15w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level subarachnoid hemorrhage following injury with open intracranial woundPenetratingMod/Sev852.16w/LOC of unspecified durationPenetratingMod/Sev852.19subarachnoid hemorrhage following injury with open intracranial woundPenetratingMod/Sev	852.13	w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
852.15w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level subarachnoid hemorrhage following injury with open intracranial woundPenetratingMod/Sev852.16w/LOC of unspecified durationPenetratingMod/Sev852.19subarachnoid hemorrhage following injury with open intracranial woundPenetratingMod/Sev	852.14	w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Penetrating	Mod/Sev
852.16w/LOC of unspecified durationPenetratingMod/Sev852.19subarachnoid hemorrhage following injury with open intracranial woundPenetratingMod/Sev	852.15	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating	Mod/Sev
		w/LOC of unspecified duration	-	
			Penetrating	Mod/Sev

w/concussion unspecified

	w/concussion unspectified		
	subdural hemorrhage following injury w/o mention of open intracranial		
852.2	wound	n/a	n/a
	subdural hemorrhage following injury w/o mention of open intracranial		
852.20	wound w/state of consciousness unspecified	Moderate	Mod/Sev
	subdural hemorrhage following injury w/o mention of open intracranial		
852.21	wound w/o LOC	Moderate	Mod/Sev
	subdural hemorrhage following injury w/o mention of open intracranial		
852.22	wound w/brief (<1 hr) LOC	Moderate	Mod/Sev
	subdural hemorrhage following injury w/o mention of open intracranial		
852.23	wound w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
	subdural hemorrhage following injury w/o mention of open intracranial		
852.24	wound w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Severe	Mod/Sev
	subdural hemorrhage following injury w/o mention of open intracranial		
852.25	wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Severe	Mod/Sev
052.25	subdural hemorrhage following injury w/o mention of open intracranial	Severe	11100,500
852.26	wound w/LOC of unspecified duration	Moderate	Mod/Sev
052.20	subdural hemorrhage following injury w/o mention of open intracranial	Wioderate	widd/ Sev
852.29	wound w/concussion unspecified	Moderate	Mod/Sev
	*		
852.3	subdural hemorrhage following injury with open itracranial wound	n/a	n/a
	subdural hemorrhage following injury with open itracranial woun w/state of		
852.30	consciousness unspecified	Penetrating	Mod/Sev
852.31	subdural hemorrhage following injury with open itracranial woun w/o LOC	Penetrating	Mod/Sev
	subdural hemorrhage following injury with open itracranial woun w/brief (<1	-	
852.32	hr) LOC	Penetrating	Mod/Sev
	subdural hemorrhage following injury with open itracranial woun w/moderate	e	
852.33	(1-24 hrs) LOC	Penetrating	Mod/Sev
	subdural hemorrhage following injury with open itracranial woun	8	
852.34	w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Penetrating	Mod/Sev
002.01	subdural hemorrhage following injury with open itracranial woun	reneurung	11100,000
852.35	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating	Mod/Sev
052.55	subdural hemorrhage following injury with open itracranial woun w/LOC of	Tenetrating	widd/ Sev
852.36	unspecified duration	Penetrating	Mod/Sev
032.30	1	relieuating	Mou/Sev
952 20	subdural hemorrhage following injury with open itracranial woun	Demotions	Mad/Carr
852.39	w/concussion unspecified	Penetrating	Mod/Sev
050 4	extradural hemorrhage following injury w/o mention of open		
852.4	intracranial wound	n/a	n/a
	extradural hemorrhage following injury w/o mention of open intracranial		
852.40	wound w/state of consciousness unspecified	Moderate	Mod/Sev
	extradural hemorrhage following injury w/o mention of open intracranial		
852.41	wound w/o LOC	Moderate	Mod/Sev
	extradural hemorrhage following injury w/o mention of open intracranial		
852.42	wound w/brief (Less Than 1 Hour) LOC	Moderate	Mod/Sev
	extradural hemorrhage following injury w/o mention of open intracranial		
852.43	wound w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
	extradural hemorrhage following injury w/o mention of open intracranial		
852.44	wound w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Severe	Mod/Sev
	extradural hemorrhage following injury w/o mention of open intracranial		
852.45	wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Severe	Mod/Sev
	extradural hemorrhage following injury w/o mention of open intracranial		
852.46	wound w/LOC of unspecified duration	Moderate	Mod/Sev
052.10	extradural hemorrhage following injury w/o mention of open intracranial	Wioderate	11100,500
852.49	wound w/concussion unspecified	Moderate	Mod/Sev
	*		
852.5	extradural hemorrhage following injury with open intracranial wound	n/a	n/a
0.50 50	extradural hemorrhage following injury with open intracranial wound w/state	D	10.10
852.50	of consciousness unspecified	Penetrating	Mod/Sev
	extradural hemorrhage following injury with open intracranial wound w/o	_	
852.51	LOC	Penetrating	Mod/Sev
	extradural hemorrhage following injury with open intracranial wound w/brief		
852.52	(<1 hr) LOC	Penetrating	Mod/Sev

	extradural hemorrhage following injury with open intracranial wound		
852.53	w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
002.00	extradural hemorrhage following injury with open intracranial wound	1 energang	
852.54	w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Penetrating	Mod/Sev
	extradural hemorrhage following injury with open intracranial wound	U	
852.55	w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating	Mod/Sev
	extradural hemorrhage following injury with open intracranial wound w/LOC	-	
852.56	of unspecified duration	Penetrating	Mod/Sev
	extradural hemorrhage following injury with open intracranial wound		
852.59	w/concussion unspecified	Penetrating	Mod/Sev
	other and unspecified intracranial hemorrhage following injury w/o		
853.0	mention of open intracranial wound	n/a	n/a
	other and unspecified intracranial hemorrhage following injury w/o mention		
853.00	of open intracranial wound w/state of consciousness unspecified	Moderate	Mod/Sev
	other and unspecified intracranial hemorrhage following injury w/o mention		
853.01	of open intracranial wound w/o LOC	Moderate	Mod/Sev
	other and unspecified intracranial hemorrhage following injury w/o mention		
853.02	of open intracranial wound w/brief (<1 hr) LOC	Moderate	Mod/Sev
	other and unspecified intracranial hemorrhage following injury w/o mention		
853.03	of open intracranial wound w/moderate (1-24 hrs) LOC	Moderate	Mod/Sev
	other and unspecified intracranial hemorrhage following injury w/o mention		
052.04	of open intracranial wound w/prolonged (>24 hrs) LOC and Return To Pre-	G	N 1/0
853.04	Existing Conscious Level	Severe	Mod/Sev
	other and unspecified intracranial hemorrhage following injury w/o mention		
952 05	of open Intracranial Wound w/prolonged (>24 hrs) LOC w/o return to pre-	C	Mad/Carr
853.05	existing conscious level	Severe	Mod/Sev
952 06	other and unspecified intracranial hemorrhage following injury w/o mention	Moderate	Mod/Car
853.06	of open intracranial wound w/LOC of unspecified duration	Moderate	Mod/Sev
853.09	other and unspecified intracranial hemorrhage following injury w/o mention of open intracranial wound w/concussion unspecified	Moderate	Mod/Sev
855.07	other and unspecified intracranial hemorrhage following injury with	Wilderate	WIOU/Sev
	other and unspectified intracramar hemorrhage following injury with		
853.1		n/a	n/a
853.1	open intracranial wound	n/a	n/a
	open intracranial wound other and unspecified intracranial hemorrhage following injury with open		
853.1 853.10	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified	n/a Penetrating	n/a Mod/Sev
853.10	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open	Penetrating	Mod/Sev
	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC		
853.10	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open	Penetrating Penetrating	Mod/Sev
853.10 853.11	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/bitef (<1 hr) LOC	Penetrating	Mod/Sev Mod/Sev
853.10 853.11	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open	Penetrating Penetrating	Mod/Sev Mod/Sev
853.10 853.11 853.12	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open	Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev
853.10 853.11 853.12	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC	Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev
853.10 853.11 853.12	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level	Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev
853.10 853.11 853.12 853.13	 open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open 	Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev
 853.10 853.11 853.12 853.13 853.14 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing	Penetrating Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev
853.10 853.11 853.12 853.13	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev
 853.10 853.11 853.12 853.13 853.14 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration	Penetrating Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 853.16 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 853.16 853.19 	 open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/concussion unspecified 	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 853.16 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/concussion unspecified intracranial wound w/concussion unspecified intracranial wound w/concussion unspecified nature w/o mention of open intracranial wound	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 853.16 853.19 854.0 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/concussion unspecified intracranial wound w/concussion unspecified intracranial injury of other and unspecified nature w/o mention of open intracranial injury of other and unspecified nature w/o mention of open	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 853.16 853.19 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/concussion unspecified intracranial wound w/concussion unspecified intracranial injury of other and unspecified nature w/o mention of open intracranial injury of other and unspecified nature w/o mention of open intracranial wound w/state of consciousness unspecified	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 853.16 853.19 854.0 854.00 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/concussion unspecified intracranial injury of other and unspecified nature w/o mention of open intracranial wound w/concussion unspecified nature w/o mention of open intracranial wound w/state of consciousness unspecified	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a Moderate	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev n/a Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 853.16 853.19 854.0 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/concussion unspecified intracranial wound w/concussion unspecified intracranial injury of other and unspecified nature w/o mention of open intracranial injury of other and unspecified nature w/o mention of open intracranial wound w/state of consciousness unspecified intracranial injury of other and unspecified nature w/o mention of open intracranial wound w/state of consciousness unspecified intracranial wound w/state of consciousness unspecified intracranial wound w/o LOC	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 853.16 853.19 854.0 854.00 854.01 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/concussion unspecified intracranial wound w/concussion unspecified nature w/o mention of open intracranial wound intracranial wound w/state of consciousness unspecified intracranial injury of other and unspecified nature w/o mention of open intracranial wound w/state of consciousness unspecified intracranial injury of other and unspecified nature w/o mention of open intracranial injury of other and unspecified nature w/o mention of open intracranial wound w/o LOC intracranial injury of other and unspecified nature w/o mention of open intracranial injury of other and unspecified nature w/o mention of open	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a Moderate Moderate	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev n/a Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 853.16 853.19 854.0 854.00 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/concussion unspecified intracranial wound w/concussion unspecified intracranial wound w/concussion unspecified intracranial wound w/state of consciousness unspecified intracranial injury of other and unspecified nature w/o mention of open intracranial injury of other and unspecified nature w/o mention of open intracranial injury of other and unspecified nature w/o mention of open intracranial wound w/o LOC intracranial injury of other and unspecified nature w/o mention of open intracranial wound w/o LOC	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a Moderate	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev n/a Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 853.16 853.19 854.0 854.00 854.01 854.02 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brieg (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/concussion unspecified intracranial wound w/concussion unspecified intracranial injury of other and unspecified nature w/o mention of open intracranial wound w/state of consciousness unspecified intracranial wound w/brief (<1 hr) LOC intracranial injury of other and unspecified nature w/o mention of open intracranial injury of other and unspecified nature w/o	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a Moderate Moderate	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev n/a Mod/Sev Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 853.16 853.19 854.0 854.00 854.01 854.02 854.03 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified nature w/o mention of open intracranial wound w/concussion unspecified intracranial injury of other and unspecified nature w/o mention of open intracranial wound w/state of consciousness unspecified intracranial wound w/state of consciousness unspecified intracranial wound w/state of consciousness unspecified intracranial injury of other and unspecified nature w/o mention of open intracranial wound w/bitef (<1 hr) LOC intracranial injury of other and unspecified nature w/o mention of open intracranial wound w/bitef (<1 hr) LOC intracranial wound w/bitef (<1 hr) LOC	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Noderate Moderate Moderate	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev n/a Mod/Sev Mod/Sev Mod/Sev
 853.10 853.11 853.12 853.13 853.14 853.15 853.16 853.19 854.0 854.00 854.01 854.02 854.03 854.04 	open intracranial wound other and unspecified intracranial hemorrhage following injury with open intracranial wound w/state of consciousness unspecified other and unspecified intracranial hemorrhage following injury with open intracranial wound w/o LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/brief (<1 hr) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/moderate (1-24 hrs) LOC other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged(>24 hrs) LOC and return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level other and unspecified intracranial hemorrhage following injury with open intracranial wound w/LOC of unspecified duration other and unspecified intracranial hemorrhage following injury with open intracranial wound w/concussion unspecified intracranial wound w/concussion unspecified intracranial injury of other and unspecified nature w/o mention of open intracranial wound wistate of consciousness unspecified intracranial wound w/state of consciousness unspecified intracranial wound w/brief (<1 hr) LOC intracranial injury of other and unspecified nature w/o mention of open intracranial injury of other and unspecified nat	Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating Penetrating n/a Moderate Moderate	Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev Mod/Sev n/a Mod/Sev Mod/Sev

	intracranial wound w/prolonged (>24 hrs) LOC and return to pre-existing conscious level		
	intracranial injury of other and unspecified nature w/o mention of open		
	intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing		
854.05	conscious level	Severe	Mod/Sev
	intracranial injury of other and unspecified nature w/o mention of open		
854.06	intracranial wound w/LOC of unspecified duration	Moderate	Mod/Sev
	intracranial injury of other and unspecified nature w/o mention of open		
854.09	intracranial wound w/concussion unspecified	Moderate	Mod/Sev
054.1	intracranial injury of other and unspecified nature with open	,	,
854.1	Intracranial wound	n/a	n/a
854.10	intracranial injury of other and unspecified nature with open Intracranial wound w/state of consciousness unspecified	Penetrating	Mod/Sev
054.10	intracranial injury of other and unspecified nature with open Intracranial	renetrating	WIOU/SCV
854.11	wound w/o LOC	Penetrating	Mod/Sev
	intracranial injury of other and unspecified nature with open Intracranial	6	
854.12	wound w/brief (<1 hr) LOC	Penetrating	Mod/Sev
	intracranial injury of other and unspecified nature with open Intracranial		
854.13	wound w/moderate (1-24 hrs) LOC	Penetrating	Mod/Sev
0	intracranial injury of other and unspecified nature with open Intracranial		
854.14	wound w/prolonged (>24 hrs) LOC and return to pre-existing conscious level	Penetrating	Mod/Sev
854.15	intracranial injury of other and unspecified nature with open Intracranial wound w/prolonged (>24 hrs) LOC w/o return to pre-existing conscious level	Depatrating	Mod/Sev
834.13	intracranial injury of other and unspecified nature with open Intracranial	Penetrating	Mou/Sev
854.16	wound w/LOC of unspecified duration	Penetrating	Mod/Sev
051110	intracranial injury of other and unspecified nature with open Intracranial	renetituting	11100/ 501
854.19	wound w/concussion unspecified	Penetrating	Mod/Sev
907.0	late effect of intracranial injury w/o skull fracture	n/a	n/a
950.1	injury to optic chiasm	Unclassified	Unclassified
950.2	injury to optic pathways	Unclassified	Unclassified
950.3	injury to visual cortex	Unclassified	Unclassified
200.5	injuly to visual contex	Cherussineu	Mild, LOC
959.01	other and unspecified injury to head	Mild	unknown
V15.5_1	personal history of injury presenting hazards to health	n/a	n/a
V15.5_F	personal history of injury presenting hazards to health	n/a	n/a
V15.5_E	personal history of injury presenting hazards to health	n/a	n/a
V15.5_D	personal history of injury presenting hazards to health	n/a	n/a
V15.5_C	personal history of injury presenting hazards to health	n/a	n/a
V15.5_B	personal history of injury presenting hazards to health	n/a	n/a
V15.5_A	personal history of injury presenting hazards to health	n/a	n/a
V15.5_9	personal history of injury presenting hazards to health	n/a n/a	n/a
V15.5_9	personal history of injury presenting hazards to health	n/a n/a	n/a
V15.5_8 V15.5_7	personal history of injury presenting hazards to health		
		n/a	n/a
V15.5_6	personal history of injury presenting hazards to health	n/a	n/a
V15.5_5	personal history of injury presenting hazards to health	n/a	n/a
V15.5_4	personal history of injury presenting hazards to health	n/a	n/a
V15.5_3	personal history of injury presenting hazards to health	n/a	n/a
V15.5_2	personal history of injury presenting hazards to health	n/a	n/a
V15.52_0	personal history of traumatic brain injury	n/a	n/a
V15.52_F	personal history of traumatic brain injury	n/a	n/a
V15.52_E	personal history of traumatic brain injury	n/a	n/a
V15.52_D	personal history of traumatic brain injury	n/a	n/a
		,	n/a
V15.52_C	personal history of traumatic brain injury	n/a	11/ a
V15.52_C V15.52_B	personal history of traumatic brain injury personal history of traumatic brain injury	n/a n/a	n/a n/a
V15.52_B	personal history of traumatic brain injury	n/a	n/a
V15.52_B V15.52_A	personal history of traumatic brain injury personal history of traumatic brain injury	n/a n/a	n/a n/a

V15.52_7	personal history of traumatic brain injury	n/a	n/a
V15.52_6	personal history of traumatic brain injury	n/a	n/a
V15.52_5	personal history of traumatic brain injury	n/a	n/a
V15.52_4	personal history of traumatic brain injury	n/a	n/a
V15.52_3	personal history of traumatic brain injury	n/a	n/a
V15.52_2	personal history of traumatic brain injury	n/a	n/a
V15.52_1	personal history of traumatic brain injury	n/a	n/a
V15.59_1	personal history of other injury	n/a	n/a
V15.59_F	personal history of other injury	n/a	n/a
V15.59_E	personal history of other injury	n/a	n/a
V15.59_D	personal history of other injury	n/a	n/a
V15.59_C	personal history of other injury	n/a	n/a
V15.59_B	personal history of other injury	n/a	n/a
V15.59_A	personal history of other injury	n/a	n/a
V15.59_9	personal history of other injury	n/a	n/a
V15.59_8	personal history of other injury	n/a	n/a
V15.59_7	personal history of other injury	n/a	n/a
V15.59_6	personal history of other injury	n/a	n/a
V15.59_5	personal history of other injury	n/a	n/a
V15.59_4	personal history of other injury	n/a	n/a
V15.59_3	personal history of other injury	n/a	n/a
V15.59_2	personal history of other injury	n/a	n/a
V15.52	history of traumatic brain injury	Unclassified	Unclassi

Unclassified

V15.52history of traumatic brain injuryUnclassifiedUnclassified*The following codes were excluded due to inability to classify severity: 907.0, late effects of intracranial injury without skull
fracture; 950.X, injury to the optic nerve and pathways; V15.52, personal history of traumatic brain injury.Unclassified

eAppendix 3. Dementia ICD-9 Diagnostic Code List

ICD-9 Codes	Diagnosis	FY2016 VHA Dementia Code List	Modified FY2016 VHA Dementia Code List
		(Prevalent Diagnoses)	(Incident Diagnoses)
046.11	Variant creutzfeldt-jakob disease	Х	
046.19	Other and unspecified creutzfeldt-jakob disease	X	
046.3	Progressive multifocal leukoencephalopathy	X	
046.79	Prion disease of the CNS/NEC/NOS	X	
290.0	Senile dementia uncomplicated	X	X
290.10	Presenile dementia uncomplicated	X	X
290.11	Presenile dementia with delirium	X	X
290.12	Presenile dementia with delusional features	X	X
290.13	Presenile dementia with depressive features	X	X
290.20	Senile dementia with delusional features	X	X
290.21	Senile dementia with depressive features	X	X
290.3	Senile dementia with delirium	X	X
290.40	Vascular dementia uncomplicated	X	X
290.41	Vascular dementia with delirium	X	X
290.42	Vascular dementia with delusions	X	X
290.43	Vascular dementia with depressed mood	X	X
291.2	Alcohol-induced persisting dementia	X	
292.82	Drug-induced persisting dementia	X X	
294.10	Dementia in conditions classified elsewhere without behavioral disturbance	X	X
294.11	Dementia in conditions classified elsewhere with behavioral disturbance	X	X
294.20	Dementia, unspecified, without behavioral disturbance	X	X
294.21	Dementia, unspecified, with behavioral disturbance	X	X
294.8	Other persistent mental disorders due to conditions classified elsewhere	X	X
331.0	Alzheimer's disease	X	X
331.11	Pick's disease	X	X
331.19	Other frontotemporal dementia	X	X
331.82	Dementia with lewy bodies	X	X

eTable. Traumatic Brain Injury Case Distribution

	NPCD only	CTBIE only	Both	Total
No TBI	176,838	0	1,941	178,779
Mild TBI, without LOC	7,476	5,296	4,987	17,759
Mild TBI, with LOC	10,184	4,609	8,304	23,097
Mild TBI, LOC unknown	55,004	0	0	55,004
Moderate/Severe TBI	78,690	2,809	1,420	82,919
Total	328,192	12,714	16,652	357,558

CTBIE, Comprehensive Traumatic Brain Injury Evaluation; LOC, loss of consciousness; NPCD, National Patient Care Database; TBI, traumatic brain injury.