# Issues with Trauma Team Activation Ambulance Coding

#### Tami Rockholt, RN, BSN

Nurse Consultant Director of Business Development

#### **INFORM Software Corporation**

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#### **Background**

 Criminals steal \$80 billion every year using various insurance fraud schemes. That's a lot of money... a lot of crime... and a plenty of harm to honest Americans everywhere.

(From Coalition Against Insurance Fraud)

 They don't play favorites, the bad guys are willing to take money from Medicare, Medicaid, Workers' Compensation, **Private Health Insurance, Homeowners Insurance and** Automobile Insurance



### Language of Medical Billing

- CPT® Codes
- Professional Procedures
- HCPCS Codes
  Supplies, Ambulance, DME, Prosthetics, Orthotics
- ICD-10-CM Codes
  - Diagnoses
- Make Up the Language of Medical Billing
- Are Keys to Detecting Fraud

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#### **Billing for Services Not Rendered**

**Example: Activation of the Trauma Team** 

- Trauma Activation Fees are Relatively New
- Properly Applied They Provide a Real Benefit
- Source of funding for excellent trauma resources in the ER
- Which save thousands of lives each year
- They Also Provide an Opportunity for Fraud
- Trauma Team Activation Criteria are Clearly Defined
- Fraud occurs when the criteria are ignored
- Or when no activation takes place, but is placed on the bill
- The ER bill is increased by several thousand dollars





#### **Adoption of National Trauma Team Standards**



Figure 4. Adoption status of the 2006 field triage guidelines by state as of April 2010.

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#### **Trauma Team Activation Criteria Guidelines for Activating the Trauma Team**



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Physiologic
Anatomic
Mechanism Of Injury
Special Considerations

- Glasgow Coma Scale less than or equal to 13

- Systolic blood pressure less than 90 mmHg
- Respiratory rate less than 10 or greater than 29 breaths per minute (less than 20 for an infant of less than one year of age), or need for ventilator support

	<ul> <li>All penetrating injuries to head, neck, torso, and extremities</li> </ul>
	proximal to the elbow or knee
Physiologic	<ul> <li>Chest wall instability or deformity (e.g., flail chest)</li> </ul>
	<ul> <li>Two or more proximal long-bone fractures</li> </ul>
Anatomic	<ul> <li>Crushed, degloved, mangled or pulseless extremity</li> </ul>
	<ul> <li>Amputations proximal to the wrist or ankle</li> </ul>
Mechanism Of Injury	<ul> <li>Pelvic fractures</li> </ul>
Mechanism Of Injury	<ul> <li>Open or depressed skull fractures</li> </ul>
	<ul> <li>Paralysis</li> </ul>
Special Considerations	

Physiologic	<ul> <li>Falls</li> <li>Adults: greater than 20 feet (one store is equal to 10 feet)</li> <li>Children (less than age 15): greater than 10 feet or two to three times the height of the child</li> </ul>
Anatomic	<ul> <li>High risk auto crash</li> <li>Intrusion, including roof: greater than 12 inches occupant site; greater than 18 inches any site</li> </ul>
Mechanism Of Injury	<ul> <li>Ejection (partial or complete) from automobile</li> <li>Death in same passenger compartment</li> <li>Vehicle telemetry data consistent with high risk of injury</li> </ul>
Special Considerations	<ul> <li>Auto vs. pedestrian/bicyclists thrown, run over, or with significant (greater than 20 mph) impact</li> <li>Motorcycle crash at greater than 20 miles per hour</li> </ul>

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Physiologic
Anatomic
Mechanism Of Injury
Special Considerations

#### Older adults (greater than 55)

- Risk of injury / death increases after age of 55 years
- SBP less than 110 might represent shock after age 65 years
- Low impact mechanisms (e.g., ground level falls) might result in severe injury
- Children
  - Should be triaged preferentially to pediatric capable trauma centers

#### Anticoagulants and bleeding disorders

Patients with head injury are at high risk for rapid deterioration

#### Burns

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- Without other trauma mechanism: triage to burn facility
- With trauma mechanism: triage to trauma center
- Pregnancy greater than 20 weeks
- EMS provider judgment

PhysiologicAnatomicMechanism Of Injury

**Special Considerations** 

#### **Glasgow Coma Scale (GCS)**

#### Neurological scale

- Aims to give a reliable, objective way of recording the conscious state of a person for initial as well as subsequent assessment
- A patient is assessed against the criteria of the scale, and the resulting points give a patient score between 3 (indicating deep unconsciousness) and 15 (indicating normal neurological presentation)

	1	2	3	4	5	6
Eyes	Does not open eyes	Opens eyes in response to painful stimuli	Opens eyes in response to voice	Opens eyes spontaneously	N/A	N/A
Verbal	Makes no sounds	Incomprehensib le sounds	Slurred speech, muttering	Confused, disoriented	Oriented, converses normally	N/A
Motor	Makes no movements	Extension to painful stimuli	Abnormal flexion to painful stimuli	Flexion / Withdrawal to painful stimuli	Localizes painful stimuli	Obeys commands

#### **Glasgow Coma Scale (GCS)**

Usage

- Initially used to assess level of consciousness after head injury
- Scale is now used by first aid, EMS, and doctors as being applicable to all acute medical and trauma patients
- In hospitals it is also used in monitoring chronic patients in intensive care.

	1	2	3	4	5	6
Eyes	Does not open eyes	Opens eyes in response to painful stimuli	Opens eyes in response to voice	Opens eyes spontaneously	N/A	N/A
Verbal	Makes no sounds	Incomprehensib le sounds	Slurred speech, muttering	Confused, disoriented	Oriented, converses normally	N/A
Motor	Makes no movements	Extension to painful stimuli	Abnormal flexion to painful stimuli	Flexion / Withdrawal to painful stimuli	Localizes painful stimuli	Obeys commands

- National Field Triage Guidelines Endorsed by Industry
- Local guidelines for transport may vary
- Influenced by the National Guidelines regarding field triage and trauma activation by EMS

#### Organizations and Federal Agencies Endorsing the Guidelines for Field Triage of Injured Patients List as of December 2011

Air Medical Physician Association, American Academy of Orthopedic Surgeons, American Academy of Pediatrics, American Association of Critical-Care Nurses, American Association for Respiratory Care, American Association for the Surgery of Trauma, American Burn Association, American College of Emergency Physicians, American College of Osteopathic Surgeons, American College of Surgeons, American Public Health Association, American Trauma Society, Association of Air Medical Services, Association of Critical Care Transport, Association of Public-Safety Communications Officials–International, Association of State and Territorial Health Officials, Brain Trauma Foundation, Commission on Accreditation of Medical Transport Systems, Eastern Association for the Surgery of Trauma, Emergency Nurses Association, International Academies of Emergency Dispatch, International Association of Emergency Medical Services Chiefs, International Association of Fire Chiefs, International Association of EMS Physicians, National Association of State EMS Officials, National EMS Information System, National EMS Management Association, National Volunteer Fire Council, Safe States Alliance, Society for Academic Emergency Medicine, Society for the Advancement of Violence and Injury Research, Society of Emergency Medicine Physician Assistants, Trauma Center Association of America, Western Trauma Association, Federal Interagency Committee on Emergency Medical Services (comprising representatives from the U.S. Department of Health and Human Services, the U.S. Department of Transportation, the U.S. Department of Homeland Security, the U.S. Department of Defense, and the U.S. Federal Communications Commission).

The National Highway Traffic Safety Administration concurs with these Guidelines.

#### Who Activates the Trauma Team?

#### Most trauma patients arrive via ambulance

- The rescue personnel (paramedic, EMT) communicate by radio with the emergency department personnel (usually a specially trained ER nurse but sometimes directly with an ER physician).
- These two individuals decide whether or not the trauma team needs to be activated
- They may decide to initiate full activation of the trauma team or limited activation of the trauma team based on certain predetermined criteria.
- Inter-facility transfers are initiated by the (current) hospital physicians



#### **Proper Coding & Documenting for Trauma Team**

- Trauma Team Activation criteria met and documented in hospital medical records (and in EMS documents)
- Proper Team Response documented
- If > 30 minutes of critical care documented
  - Trauma Team Response is coded as HCPCS Code G0390
  - Critical care billed with 99291

### If < 30 minutes of critical care</li>

- Appropriate level of ER code billed (i.e., 99285)
- Trauma Team Response can be billed under revenue code 068X, IF all other activation criteria is met
- Not reimbursable by CMS
- Is reimbursable at private payer discretion



### **Review: What to Look for with Trauma Team Charges**

Must be prehospital activation by EMS

### OR

- Hospital transfer by MD
- EMS must activate based on the National Field Triage criteria
- Appropriate response:
  - Team Response (see who signed in, times of sign in, interventions)
  - Critical care procedures/ treatment documented in hospital records
  - Critical care by itself does not Equal Trauma Team Activation
  - Activation documented must be clearly supported by stating reason (criteria), communication, team response

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## TRAUMA IS NOT NECESSARILY TRAUMA ACTIVATION

#### **Another Thing to Look For**

- Trauma Team /Activation Charges Billed by the Hospital without a Code and ER level CPT code 99281-99284
  - This case would need very clear EMS criteria met & clear response with trauma team
  - At payer discretion/ contract

- Trauma Team Billed with HCPCS Code G0390 and ER level CPT code 99281-99285
  - This is not appropriate
  - Code G0390 is only to be used when greater than 30 minutes of critical care are documented, and critical care is billed with 99291





#### What Can You Do Besides Review the Coding?

If You Can, Ask the Patient What Happened When They Reached the Hospital.

- Were They Triaged by a Nurse Then Ask to Wait for the Doctor?
- Or Were They Surrounded by a Medical Team With Needles, Syringes, Respirators and IVs?

That's a Trauma Team!



#### **ER Department Evaluation and Management Codes**

File														
UCR	UCR Standard Anesthesia Anesthesia with Base Units													
Zip Code Code Modifier OMedical ODental OHCPCS OPF OIPF Per Day OIPF Full Stay														
937	721	99285		Search all m	odifiers	Search		Clear						
Zip	pcode	Code	Status	Description	Modifier	Туре	25th	50th	60th	70th	80th	85th		
9	93721	99281		emergency dept visit		OUT	50.97	73.96	83.78	95.45	110.79	119.37		
9	93721	99282		emergency dept visit		OUT	316.53	459.29	520.25	592.75	687.97	741.28		
9	93721	99283		emergency dept visit		OUT	552.00	800.95	907.27	1,033.70	1,199.76	1,292.73		
9	93721	99284		emergency dept visit		OUT	879.97	1,276.84	1,446.32	1,647.87	1,912.58	2,060.80		
9	93721	99285		emergency dept visit		OUT	1,319.09	1,913.99	2,168.05	2,470.17	2,866.98	3,089.16		
Oper	n Datak	base: S:\	UCR Data	a\2020.mdb				ght® 2020 copyright 2				tion Close		

Note: 2020 Prices for Fresno, CA



### **ALS and BLS Transport**

Advanced Life Support (ALS)	Basic Life Support (BLS)
Transport	Transport
<ul> <li>Includes Invasive Procedures</li> <li>Injections, IV lines, breathing tubes, drawing blood</li> </ul>	<ul> <li>Includes Only Non-Invasive Procedures</li> <li>Vital signs, palpations, oxygen, cervical collar, back board</li> </ul>
<ul> <li>HCPCS Code A0427 – ALS1</li></ul>	<ul> <li>HCPCS Code A0429 – BLS</li></ul>
Emergency - \$1,724.50	Emergency - \$1,405.68

Note: 2020 Prices at 85th Percentile for Fresno, CA

#### **ALS and BLS Definitions**

**BLS** is an acronym for basic life support. BLS is a level of medical care which is used for patients with life-threatening illnesses or injuries until the patient can be given full medical care at a hospital. It can be provided by EMTs, paramedics and by lay persons who have received BLS training.

BLS is generally used in the pre-hospital setting and can be provided without medical equipment. It is non-invasive, i.e.: no needles or other devices that make cuts in the skin are used. BLS providers cannot administer medicines.

**ALS** is an acronym for advanced life support. The ALS system is comprised of paramedics who have received training in aggressive cardiac life support, pediatric life support, severe trauma and over 200 other life threatening emergency medical conditions. Paramedics can administer over 30 advanced medications and medical procedures. Paramedics work to orchestrate an emergency medical scene and direct the operations inside the medical transport unit (ambulance). During an emergency medical call the paramedic is in constant phone contact with a hospital emergency room physician. The paramedic and the physician pair together in making critical life care decisions.

ALS is a set of life-saving protocols and skills that extend BLS to further support the circulation and provide an open airway and adequate ventilation (breathing). Typically ALS includes invasive techniques such as IV therapy, intubation, and/or drug administration.

#### **ALS and BLS Definitions (continued)**

The ambulance services are identified with HCPCS codes. This coding system, the Healthcare Common Procedure Coding System, pronounced 'hix-pix', is a set of alphanumeric codes that are used primarily to identify products, supplies, and services not included in the CPT codes, such as ambulance services and durable medical equipment, prosthetics, orthotics, and supplies when used outside a physician's office.

There are four HCPCS codes to identify ambulance services: A0428 for non-emergency BLS and A0429 for emergency BLS. Emergency ALS services are identified with HCPCS code A0427, and non-emergency ALS with code A0426.

Medical invoices that include an ambulance services billed with one of the BLS HCPCS codes with the facility billing for a trauma activation is considered incongruent by the code definitions and coding rules, and a review of the invoicing is recommended.

In addition, if an ambulance invoice includes a charge billed with an ALS HCPCS code, yet the patient is not evaluated by the physician for 30 minutes, a review of the records and invoicing is suggested.

#### **Necessary Information to Request**

#### The Essentials

- Police Report
- Ambulance Notes
- Ambulance Bill
- ER Triage Notes
- ER Flow Sheet
- Trauma Flow Sheet
- ER Discharge Report
- ER Bill Itemized

## Supplementary Information – If Challenged

- Hospital Trauma Activation Policy and Procedure
- Algorithm for Activation of the Trauma Team (Section 1, page Trauma Team Binder)

# **Useful Tools**



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### Useful Tools Overview

## - CPT® 2022 Professional Edition

Definitive reference guide to proper CPT coding

## Medical Fees in the U.S. 2020

Usual and customary fees with geographic adjustments

## National Fee Analyzer in the U.S. 2020

Usual and customary fees with geographic adjustments

## http://www.icd10data.com/

Website for diagnosis code lookup

Also HCPCS lookup





#### Useful Tools CPT® 2022 Professional Edition



\$109.76 on Amazon



#### Useful Tools Professional Fees - UCR



#### Based on Fair Health Database \$199.95 on Amazon

Based on Context4Healthcare Database \$149.95 on Amazon



#### Useful Tools Free ICD-10 Website



#### The Web's Free 2019/2020 ICD-10-CM/PCS Medical Coding Reference

ICD10Data.com is a free reference website designed for the fast lookup of all current American ICD-10-CM (diagnosis) and ICD-10-PCS (procedure) medical billing codes.

The 2020 ICD-10-CM/PCS code sets are now fully loaded on ICD10Data.com. 2020 codes became effective on **October 1, 2019**, therefore all claims with a date of service on or after this date should use 2020 codes.

Suggest a feature or send your comments to feedback@icd10data.com.

#### 2019/2020 ICD-10-CM Diagnosis Codes

- ICD-10-CM Codes
  - New Codes
  - Revised Codes
  - Deleted Codes
  - Billable/Specific
    - Codes
  - Non-Billable/Non-Specific Codes

#### 2019/2020 ICD-10-PCS Procedure Codes

- ICD-10-PCS Codes
  - New Codes
  - Revised Codes
  - Deleted Codes

#### 2019/2020 ICD-10-CM Coding Rules

- Newborn Codes
- Pediatric Codes
- Adult Codes
- Maternity Codes
- Female Only Diagnosis Codes
- Male Only Diagnosis Codes
- Manifestation Codes
- POA Exempt Codes
  - Questionable Admission
     Codes
- 2019/2020 ICD-10-PCS Coding Rules
  - Female Only Procedure
     Codes
  - Male Only Procedure Codes

#### Convert ICD-10-CM/PCS <-> ICD-9-CM Codes

Conversion

#### Diagnostic Related Groups (v36.0)

#### 2020 HCPCS Codes

- Codes
- Modifiers

#### 2015 ICD-9-CM Codes

Legacy ICD-9-CM Codes

(v36.0) • DRG Data

# **Example 1**



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#### **Example 1 Advance Life Support Transport**

Innocent looking bill, the prices aren't bad at all. However, this provider was billing Advanced Life Support (HCPCS Code A0427) on all their transports, no Basic life Support (BLS) at all.

24. A.	DA1 From DD	TE(S) O	SERV	To DD	YY	B. PLACE OF SERVICE	C. EMG	D. PROCEDU (Explain U	RES	L SERV	MOD	063)	IES	E. DIAGNOSIS POINTER	\$	F. Charge	S	G. DAYS OR UNITS	H.	ID. QUAL G2	-	J. RENDERING PROVIDER ID. #
ALS		0.01	0.01	15		1 42 1	v	A0427	,	SH				11	1	600	: 0.01	1	I.	NPI		6000640
05; MIL	15 ES	09	051	12	09	41	1	A0427		БП		1		-	L			-	1	G2	75	6000640
05;	15	09	05	15	09	41	Y	A0425	1	SH				1		10	00	1		NPI	-19	82742698
1	1	1	1		1									Ī					1	NP)		
1	1																		1	NPI		
1	l							1	1					1					1	NPI		
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DATE OF SERVICE	BATCH REF		F S PROC	NDC/CFT-4/ HCPCS	QTY SERVICE DESCRIPTION	CHARGES							
250-PHARMACY-GENERAL													
010511 05	58079	0712	108095	186011401	1 KYLO/EPI 1: 30ML INJ	54,61							
259-PI	ARMAC	-OTHE	R		SUBTOTAL :	54.61							
010511 05	58079	0712	107895	74194912	2 VICODIN 5/500 TAB	18,55							
272-M	D/SUR	G STER	ILE SUPPL	<b>v</b>	SUBTOTAL :	18,55							
010511 05	50202	0718	327774	•									
010511 06	B202	0718	516485		1 STAPLER SKIN 35 REG								
010511 06	B2OZ		431044		1 ADHESIVE DEREABOND VL	144.00							
					1 TRAY GAUZE STERILE 4X4	3.00							
300~L					SUBTOTAL :	202.00							
010511 05	B074	8736	803897	36415	1 VENIPUNCTURE	32.00							
301-LA	B-CHER	ISTRY			SUBTOTAL :	32.00							
010511 05	3074	0736	8021 <b>52</b>	84703	1 HCG QUALITATIVE SERUM	253.00							
320-RA	D DX-0	ENERAL			SUBTOTAL :	253.00							
010511 05			700673	72170									
010511 05			177678	73510LT	1 XR PELVIS 1/2 VIEES	473.00							
				1227071	1 XR ETP UNI 2 + V LT	430.00							
351-CT	SCAN-	HEAD 2	<b>SCAN</b>		SUBTOTAL:	903.00							
010511 05	B081	0726	0 <b>7</b> 0442	70450	1 CT HEAD/BRAIN W/O CONT	2700.00							
352-CT	SCAN-	BODY S	CAN		SUBTOTAL :	2700.00							
010511 05	8081	0726	704415	72125	1 CT C-SPINE U/O CONTRAS	2971.00							
450-EM	ERGENC	Y ROOM	t		SUBTOTAL:	2971.00							
010511 06	B202	0780	108664										
010511 063	8202	0780	108656	99284	1 PROCEDURE CATEGORY I 1 EMER DEPT LEVEL 4 SUBTOTAL:	371.00 1398.00 1769.00							

DATE OF SERVICE	BATCH REF		5 PROC	NDC/CPT-4/ HCPCS	Q	TY SERVICE DESCRIPTION	CHARGES
636-P	HARMAC	Y-DETA:	LED CODI	NG			
010511 0	53078	0712	107476	\$0718		1 TET DIPTH TOX ADULT DO	59.00
683-T	RAUMA	RESPONS	E FAF II	т		SUBTOTAL :	59.00
010511 0	6B202	0780	190995	G0390		1 TRAUMA L2 ACTIVATION	15000.00
771-VJ	ACCINE	ADMINT	STRATION			SUBTOTAL:	15000.00
010511 06	58202	0780	108651	90471		1 INNUNIZ ADHIN SGL SUBTOTAL:	85.D0 85.00
					TOTAL	ANCILLARY CHARGES	24047.17
						PAYMENTS ADJUSTMENTS	24047.17 .00 .00 24047.17

### Example 1 ER Bill - Analysis

#### **Trauma Issues of Consideration**

According to the ambulance documentation, this patient was a restrained front-seat passenger of vehicle that was traveling at approximately 35 to 45 miles per hour when it suffered a frontal impact. There was no intrusion into the vehicle's passenger compartment; the windshield and dashboard were intact; airbags deployed. This patient had a minor laceration to the bridge of her nose with minor bleeding; she reported head and neck pain. She was ambulatory at the scene.

During ambulance transport, vital signs and an electrocardiogram were monitored. The patient's physical assessment was noted to include "no abnormalities." The patient was medicated intravenous injections of Zofran for nausea and Dilaudid for pain.

- The ambulance documentation did not support that the field trauma triage protocol was met.
- The ambulance report indicated only that the hospital was notified of this patient's transport; there was no constant contact with the trauma center in order for the ambulance personnel to coordinate critical care with the trauma physician.
- The emergency room documentation did not reflect that hospital personnel were in constant contact with the ambulance during this patient's transport.
- According to the emergency room report, this patient suffered no loss of consciousness, had no respiratory distress, no blunt abdominal or thoracic trauma or penetrating injuries, no obvious broken bones, and no acute, profuse bleeding. There was no indication that this was a "critically injured" patient with life-threatening impairment to one or more vital organ systems.
- The invoice included a charge for HCPCS code G0390 for the trauma activation but no charge for CPT code 99291, for 30 minute of critical care.

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Refer to proprietary notice on title page 5/17/2022

### Example 1 ER Bill - Analysis

#### **Other Issues of Consideration**

- The invoice included a charge for a pregnancy (HCG) test. The patient reported head, nose, neck, and left hip and leg pain. She had no abdominal pain, and upon examination, there was no indication of blunt abdominal or pelvic trauma, her abdomen was soft and non tender with "no visible injury", and her pelvis was stable.
- The invoice included charges for hip and pelvis x-rays. This patient did report complaints of hip and leg pain, but had been ambulatory at the scene; the emergency physician documented no hip or pelvis findings. The secondary survey examination findings reflected only that her pelvis was stable.
- A CT scan of this patient's head / brain was taken. She did report a headache, and had a minor laceration to her forehead. The ambulance personnel documented no loss of consciousness, no confusion, and no amnesia. According to the emergency physician report, she suffered no loss of consciousness or seizure, was not dazed, and was alert and oriented with a Glasgow Coma Scale of 15 of 15. The documentation did not reflect the clinical rationale for brain imaging.
- A cervical spine CT scan was also performed. The documentation reflected that this patient had reported neck pain, but on examination, the emergency physician noted that her neck was nontender with painless neck range of motion. There were no upper extremity complains such as pain, weakness, or numbness to suggest injury to the cervical spinal cord, discs, or nerves documented. Typically, neck pain is first evaluated by an x-ray, and a CT is subsequently done to assess any questionable abnormalities found on the x-ray.



### Example 1 ER Bill - Analysis

#### **Other Issues of Consideration**

- The charges for images taken at a hospital or medical center represent the technical, or taking, component of the films only. This component includes the use of the equipment, the technician's services to take the films, the developing of the film, et cetera. The professional, or interpretation, component is billed by the radiologist. CPT codes for the technical component only are to be modified with CPT modifier TC.
- The emergency room services were billed with CPT code 99284. This code is defined as the
  emergency examination of patient with a presenting problem of high severity that requires
  an urgent evaluation by the physician. A problem of high severity is defined by CPT as one
  where the risk of morbidity without treatment is high to extreme; there is a moderate to
  high risk of mortality without treatment OR high probability of severe, prolonged functional
  impairment. The documentation did not clearly indicate that this patient's presenting
  problems were of high severity but appeared to be more consistent with presenting
  problems of low to moderate to severity.

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### Example 1 Usual and Customary Results

- Bill reduced from \$24,047.17 to \$10,937.30
  Based only on pricing
- Bill reduced from \$24,047.17 to \$1,275.89

Based on Billing and Coding Review and pricing


# **Example 2**

9-year-old girl brought in by father (no ambulance) with a seatbelt sign in her collarbone area and no other complaints



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## Example 2 ED Provider Note

Primary Care Provider: Means of Arrival: Walk-In History obtained from: Parent History limited by: None

CHIEF COMPLAINT Chief Complaint Patient presents with

Trauma Green

HP

Patient is a 9 y.o. who was brought into the ED as a Trauma Green status post MVA. The patient was the restrained rear passenger of a vehicle traveling approximately 65 mph which T-boned another vehicle. Air bags were deployed. Patient denies any loss of consciousness and was able to ambulate and self extricate without difficulty. Upon arrival she complains of some pain to her collar bone from the seat belt mark, but otherwise has no acute medical complaints. The patient has no major past medical history, takes no daily medications, and has no allergies to medication. Vaccinations are up to date.

Historian was the father



## Example 2 Admission & Discharge Information

#### Admission Information

Arrival Date/Time: Admission Type: Means of Arrival: Transfer Source:	08/29// 1 2026 Trauma Center Walk-In	Admit Dete/Time: Port of Origin. Primary Service: Service Area:	08/29/ Non-health Emergehoy	2026 Care	IP Adm Date/Time: Admit Category. Secondary Beryloe: Unit:
Admit Provider:		Attending Provider:			Referring Provider:
Discharge Informat Discharge Date/Time 08/29/ 2119			Destination	Disch None	arge Provider Unit
Final Diagnoses (IC	D-10-CM)				
Code	Description				POA CC HAC Affects DRG
S40.211A [Principal]	Abrasion of right should	er, initial encounter			
G89.11	Adute bain due to traum	18			



## Example 2 Summary

- Time from check in to discharge was less than an hour
- Time from being seen by a doctor to discharge plan being discussed was about 18 minutes



## Example 2 Bill

Hospital Account ID: Guarantor ID: Guarantor Name/Address:

Patient Name:		ŧ	Admit Date:	08/29.
Account Class: Attending Physician:	Emergency		Discharge Date:	08/29.

Primary Payor: Misc Accident Liability - Misc Accident Liability Secondary Payor:

#### **Hospital Charges**

Rtv. Coleo		Lolat Service Catelo	Be working	CPM- URPCS	, say	Апсыл
0324	08/29	200251	HCHG CHEST XRAY SINGLE VIEW	71045	1	526.00
0450	08/29	200323	HCHG GREEN TRAUMA TEAM SERVICES		1	13,735.00
0450	08/29	200323	HCHG LEVEL IV EXTENDED	992B4	1	2,364.00
Total hos	pital charge	S:				16,625.00

Total hospital payments and adjustments:

Account Balance: 16,625.00

CPT or HCPCS Code	Mod	Qty	Description	Amount Billed	Audited UCR Amount at 85th Percentile
71045		1	CHEST X-RAY, 1 VIEW	526.00	526.00
			GREEN TRAUMA		
		1	TEAM SERVICES	13,735.00	0.00
99284		1	EMERGENCY DEPT	2,364.00	2,364.00
				16,625.00	2,890.00

# **Example 3**

32-year-old male self-presented the day after being involved in a motor vehicle accident / not from the scene of the MVA





## Example 3 ED Provider Note

Provider A

Primary care provider: Prov Means of arrival walk in History obtained from patient History limited by: none

#### CHIEF COMPLAINT

Chief Complaint Patient presents with

- Low Back Pain
- Shoulder Pain
- Trauma Green

#### <u>HPI</u>

Patient Is a 32 y.o. male who presents to the Emergency Department as a trauma green complaining of neck and low back pain status post motor vehicle accident last night. Patient reports associated shoulder pain, nausea. He states that he was the restrained driver who T-boned another driver last night at an unknown rate of speed. Air bags were not deployed and there was severe damage to both vehicles. Patient was evaluated by EMS after the event, but did not report any initial pain so he left without coming to the ED. He reports that since the collision, hie has developed pain that has gradually increased, prompting him to come to the ED for evaluation. Patient denies vomiting, loss of consciousness.

#### **REVIEW OF SYSTEMS**

Pertinent positives include neck pain, back pain, shoulder pain, nausea Pertinent negatives include no vomiting, loss of consciousness All other systems reviewed and negative See HPI for further details.



## **Example 3** Admission & Discharge Information

Admission Informat	ion								
Arrival Date/Time	0915				1915 IP Adm. Date/Time:		e;		
Admission Type	Emergency	Point of		Non-health Ca	are		Calegory	-	
Means of Arrival Transfer Source	Walk-In	Primary Service	Service	Emergency		Secon Unit	dary Servic	e	
Hansler Source		Gervice	Alca.			Ont			
Admit Provider		Attendir	ıg Provider.			Referr	ing Provide	r	
Discharge Informati									
Discharge Date/Time	÷ ,		Discharge	Destination	Discharg	e Provic	er	Unit	
1004	Discharged To H Care (01)	lome/self	Home		None				
Final Diagnoses (IC	D-10-CM)								
Code	Description				P	AO	CC	HAC	Affects DRG
S16 1XXA	Strain of muscle, fascla	and lendon	at neck level	, initial encounter					
[Principal]									
S39 012A	Strain of muscle, fascla					······			
F17 200	Nicotine dependence, u	nspeclfied,	uncomplicate	d					



## Example 3 Summary

- Discharge diagnoses of motor vehicle collision and strains of the neck muscles and lumbar region
- Time from check in to discharge was less than an hour
- Underwent no testing; only examined by one ER doctor, who said injuries were musculoskeletal, not concerning for fracture



## Example 3 Bill

DETAIL BILL

Hospital Account ID Guarantor ID Guarantor Name/Address

Patient Name: Account Class Attending Physician

Emergency

Admit Date 07/23/ Discharge Date 07/23/

CPT or HCPCS Code	Mod	Qty	Description	Amount Billed	Audited UCR Amount at 85th Percentile
			HCHG GREEN		
		1	TRAUMA TEAM SERVICES	11,562.00	0.00
99284		1	EMERGENCY DEPT	2,883.00	2,470.00
				14,445.00	2,470.00

#### **Hospital Charges**

Rev. Service	Cost Center Code	Description	CPT/ HCPCS	Qly, 🗎	Amount
0450 07/23	200326	HCHG GREEN TRAUMA TEAM SERVICES		1	11,662 00
045007/23,,	200326	HCHG LEVEL IV EXTENDED	99284	1	2,853 00
Total hospital charges					14,445.00

46

# **Example 4**

37-year-old woman brought in by EMS nonemergent transport: patient care report states that no major trauma was noted, she asked to be brought to the ER





## Example 4 ED Provider Note

Primary care provider: None noted Means of arrival: EMS History obtained from: Patient History limited by: None

#### CHIEF COMPLAINT

Motor Vehicle Accident

#### HP

Reston Forty-One is a 37 y.o. female who presents as a Trauma Green following a MVA where she was a restrained driver with no air bag deployment. She states that she was at a stop light when another car hit her left, front bumper going about 50 mph. The patient is currently complaining of right sided neck pain, right sided flank pain, and a headache. She states that the pain was delayed until a while after the initial crash. She was able to ambulate following the accident. She does not remember much of the accident, but denies loss of consciousness, abdominal pain, weakness, tingling, numbness, hip pain, or pain to the left side of her body. She denies exacerbated pain in the chest upon deep inspiration. She has no known medical problems and takes no daily medications.

#### **REVIEW OF SYSTEMS**

Pertinent positives include: right sided neck pain, right sided flank pain, and a headache. Pertinent negatives include: loss of consciousness, abdominal pain, weakness, tingling, numbness, hip pain, or pain to the left side of her body.

10+ systems reviewed and negative.



## Example 4 Admission & Discharge Information

#### Admission Information Arrival Date/Time: 04/24/ 1701 Admit Date/Time: 04/24 1701 P Adm. Date/Time: Non-health Care Admission Type: Trauma Center Point of Origin: Admit Category: Means of Arrival: Other Primary Service: Secondary Service: Emergency Transfer Source: Service Area: Unit: Emergency Dept Admit Provider: Attending Provider: Referring Provider: **Discharge Information** Discharge Disposition Discharge Provider Discharge Date/Time **Discharge Destination** Unit Discharged To Home/self 04/24 1831 Home None Care (01) Final Diagnoses (ICD-10-CM) Code Description POA CC HAC Affects DRG S13.4XXA Sprain of ligaments of cervical spine, initial encounter [Principal] S20.211A Contusion of right front wall of thorax, initial encounter



## Example 4 Summary

- Time from arrival to discharge was less than an hour
- Only objective finding was mild chest wall tenderness; "patient has no probable cause for labs or imaging to be ordered"
- About 23 minutes from time seen by ER doctor until discharge plan was discussed
- Referred to as "Reston Forty-One" in some records, indicative of false/fraudulent/inaccurate documentation



### **Example 4** Bill

Hospital Account ID: Guarantor ID:

Guarantor Name/Address:

Patient Name: Account Class: Emergency Attending Physician:

Admit Date: 04/24 04/24 Discharge Date:

Primary Payor:

Secondary Payor: Misc Accident Liability - Misc Accident Liability

#### **Hospital Charges**

Rev. Code	Service Date	Cost Center Code	Description	CPT/ HCPCS	Qty.	Amount
0450 0682	04/24/2 04/24/2	200326 200326	HCHG LEVEL IV EXTENDED HCHG GREEN TRAUMA ACT PRE- NOTIFY NO CC	99284	1	2,990.00 12,718.00
otal hos	pital charge	s:				15,708.00

Total hospital charges:

CPT or HCPCS Code	Mod	Qty	Description	Amount Billed	Audited UCR Amount at 85th Percentile
			EMERGENCY DEPT		
99284		1	VISIT	2,990.00	2,938.00
		1	HCHG GREEN TRAUMA ACT PRE- NOTIFY NO CC	12,718.00	0.00
				15,708.00	2,938.00

## **Example 5**

23-year-old male self-presented to hospital

52





#### Example 5 ED Provider Note

Primary care provider: None noted Means of arrival: Walk-in History obtained from: Patient History limited by: None

#### **CHIEF COMPLAINT**

Chief Complaint Patient presents with

Trauma Green

walk in from triage as trauma green, restraint driver got into a head on collision by another vehicle approximately 45mph. denies loc. (+)seat belt (+)airbag. gcs of 15. has left forearm hematoma. has tingling in left hand.

#### HPI

**Patient** is a 23 y.o. male who presents to the Emergency Department as a trauma green after being the restrained driver in a head on collision prior to arrival. Patient states that he was traveling 30 mph when a car crossed over the median and collided with his car. He adds that the other car was traveling approximately 45-50 mph. Patient notes that his airbag deployed at the time of impact. Patient denies any loss of consciousness. Patient notes that his friend was driving in front of him and had to swerve his car in order to avoid being hit. Patient is currently experiencing left forearm pain. Patient denies any chest pain, shortness of breath, abdominal pain, nausea, vomiting, back pain, or neck pain.

**PPE Note:** I personally donned full PPE for all patient encounters during this visit, including being cleanshaven with an N95 respirator mask and gloves.

Scribe remained outside the patient's room and did not have any contact with the patient for the duration of patient encounter.

#### **REVIEW OF SYSTEMS**

Pertinent positives include left forearm pain. Pertinent negatives include no loss of consciousness, chest pain, shortness of breath, abdominal pain, nausea, vomiting, back pain, or neck pain. All other systems reviewed and negative.



## Example 5 Admission & Discharge Information

#### Admission Information

Arrival Date/Time: Admission Type: Means of Arrival: Transfer Source:	05/01 1457 Trauma Center Walk-in	Admit Date/Time: 05/01 Point of Origin: Non-healt Primary Service: Emergenc Service Area:								
Admit Provider:	Attending Provider:			Referring Provider:			er:			
Discharge Informatio	n									
Discharge Date/Time	Discharge Dispo	osition	Discharge Destination Dischar			charge Provider				
05/01/ 1646	Discharged To H Care (01)		Home		None	<u>j</u>				
Final Diagnoses (ICD	-10-CM)									
Code	Description	at the state of the				POA	cc	HAC	Affects DRG	
	Contusion of left forearr	n, initial enc	ounler							



## Example 5 Summary



• No criteria met (physiologic, anatomic, mechanism of injury, etc)



### Example 5 Bill

Hospital Account ID: Guarantor ID:

Guarantor Name/Address:

Patient Name: Account Class: Attending Physicia	Emergeno an:	<b>.</b>	Admit Date: Discharge Date:	05/01/ 05/01/		CPT or HCPCS Code	Mod	Qty	Description	Amount Billed
						73090	тс	1	X-RAY EXAM OF FOREARM	526.00
Primary Payor: Secondary Payor:		dent Liability - Misc Acc	ident Liability							
Hospital Charges								1	GREEN TRAUMA TEAM	13,735.00
Rev Service	Cost Center			CPT/2 0 0	ly::	99284			EMERGENCY DEPT	2,364.00
0320 05/01	200251	HCHG X-RAY FOREAR		3090	1 526.00					16,625.00
0450 05/01	200326	HCHG GREEN TRAUM			1 13,735.00					
0450 05/01	200326	HCHG LEVEL IV EXTE	VDED 9	9284	1 2,364.00					
Total hospital charge Total hospital payme		nic:	······································		16,625.00					

Total hospital payments and adjustments:

Account Balance: 16,625.00

Audited UCR Amount at 85th Percentile

526.00

0.00

2,364.00 2,890.00

# **Example 6**

31-year-old male that refused transportation to the ER from scene of MVA, decided to self-present later with complaints of shoulder, hip, and neck pain





## Example 6 ED Provider Note

Primary care provider. None noted Means of arrival<sup>®</sup> Walk in History obtained from: Patient History limited by<sup>®</sup> None

#### CHIEF COMPLAINT

Chief Complaint Patient presents with

Trauma Green

Head on collision at 35 mph. Pt was driver, restrained, no air bag deployment. Pt ambulated into hospital on his own, wofe transported by ambulance

#### <u>HPI</u>

Patient is a 31 y.o male who presents to the Emergency Department for evaluation of possible injuries secondary to a MVA. The patient was going 35 mph when he collided with another vehicle going 35 mph. He was struck on the passenger side. The patient was wearing a seatbelt at the time of the accident Airbags were not deployed. He reports shoulder, hip, and neck pain. He denies hitting his head on the windshield. He denies drinking any alcohol tonight. The patient ambulated into the hospital on his own as his wife was transported vis ambulance. The patient additionally reports being allergic to ibuprofen



## **Example 6** Admission & Discharge Information

#### Admission Information

Arrival Date/Time Admission Type Means of Arrival Transfer Source	11/23/2 2128 Trauma Center Walk-in	Admit Da Point of ( Primary S Service A	Origin Service	11/23/ Non-health Emergency	2128 Care	Admit (	Date/Time Category Iary Service		
Admit Provider		Attending	Provider			Referm	ng Provider		
Discharge Informatio	n								
Discharge Date/Time	Discharge Dispo	sition	Discharge D	estination	Discha	rge Provid	er	Unit	
11/23/ 2321	Discharged To F Care (01)	lome/self	Home		None				
Final Diagnoses (ICD	-10-CM)								
Code	Description					POA	CC	HAC	Affects DRG
M25 552 T14 8XXA	Cervicalgia Pain in left hip Other injury of unspecifi Allergy status to analge			unter	• •• •• • ••	· · · · ·		••••• ••••	· · · · · · · · · · · ·



## Example 6 Summary

- No signs of trauma or serious complaints / conditions on triage or exam / no criteria met (physiologic, anatomic, mechanism of injury, etc)
- Time between being seen by ER doctor and discharge discussion was just over an hour, mostly because multiple CT scans and x-rays were ordered and took time to complete: all imaging was negative
- Discharge diagnoses of motor vehicle accident and muscle strain



## **Example 6** Bill

Hospital Account ID: Guarantor ID:

Guarantor Name/Address:

Patient Name: Account Class:	Emergenc	Admit Date: Discharge Da		1/23) 1/23)		CPT or HCPCS Code	Mod		Description	Amount Billed	UCR Amount at 85th Percentile
Attending Physician:						70470			X-RAY EXAM OF	4 405 00	49.4.99
						72170			PELVIS	1,125.00	434.00
								I	CHEST X-RAY, 1		
						71045	TC		VIEW	623.00	385.00
								I	CT NECK SPINE W/O		
						72125	тс		DYE	1,125.00	1,125.00
Hospital Charges									CT LUMBAR SPINE		
						72131	тс		W/O DYE	1,125.00	1,125.00
RY SERVICE		Description	୍ (G21/ ସାଂଗର	<u>@</u> W -	Anoni	72128	тс	I	CT CHEST SPINE W/O DYE	1,125.00	1,125.00
0320 11/23/	200251	HCHG X-RAY PELVIS 1/2 VW	72170		1,125 00						
0324 11/23/	200251	HCHG CHEST XRAY SINGLE VIEW	71045	5 1	623 00				HCHG GREEN		
0352 11/23/	200253	HCHG CT SCAN, CERVICAL SPINE, W/O	72125	5   1	1,125.00				TRAUMA TEAM		
		CONTRAST						I	SERVICES	11 500 00	0.00
0352 11/23/	200253	HCHG CT SCAN, LUMBAR SPINE, W/O	72131	1	1,125.00		<u> </u>	-	EMERGENCY DEPT	11,562.00	0.00
0352 11/23/:	200252	CONTRAST	70400		4 4 9 5 00	99284		I	VISIT	2 992 00	2 470 00
0352 11/23/:	200253	HCHG CT SCAN, THORACIC SPINE, W/O	72128	<b>&gt;</b>   1	1,125 00	55204		1		2,883.00	2,470.00
0450 11/23/	200326	HCHG GREEN TRAUMA TEAM		1	11,562.00					19,568.00	6,664.00
	200020	SERVICES		· ·	11,002.00						
0450 11/23/	200326	HCHG LEVEL IV EXTENDED	99284	1 1	2,883 00						
Total hospital charges					19,568 00						

Audited



### **Questions & Contact Information**

Do you have any Questions?

#### Note:

The examples shown in this presentation would be detected automatically by RiskShield.



Tami Rockholt, RN, BSN Director of Business Development, North America INFORM Software Corporation 503-781-0357 tami@nwsystemdesign.com www.riskshield.com

