

**University of Utah
Data Coordinating Center**

ANNOTATED eCRF FOR PUBLIC USE DATASETS

PECARN Protocol Number 020

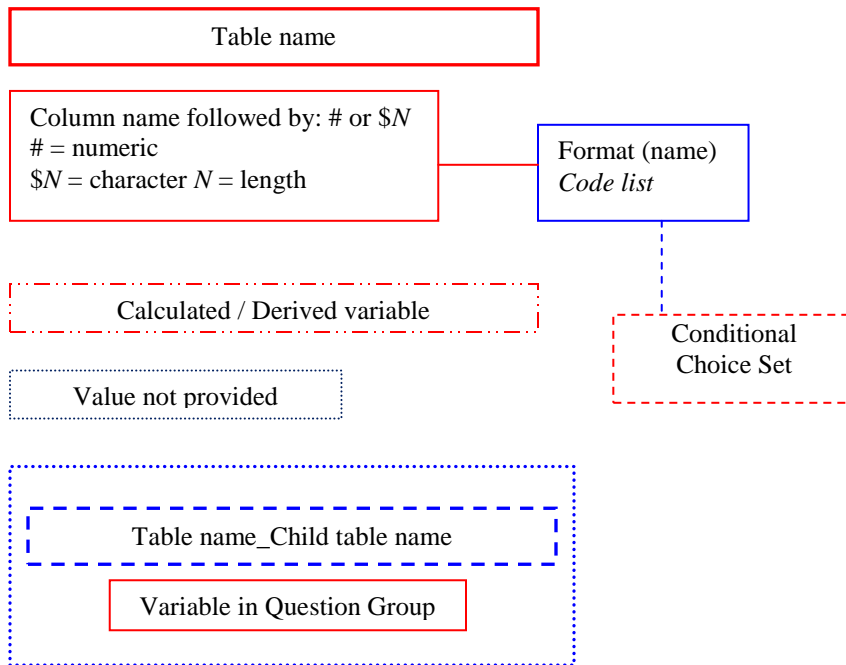
**A Clinical Decision Rule to Identify Children with
Intra-abdominal Injuries**

**Primary Investigator:
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Annotations key:



Intra-abdominal Injury Annotated PUD eCRF

Notes:

All dates have been recoded to reflect the number of calendar days from the emergency department triage date at the study site.

Sensitive and/or identifying information entered in free text fields has been removed from the public use datasets.

Many of the datasets include only one record per subject (unique identifier *SubjectID*). Other datasets are relational, that is, may have more than one record per patient. These records are uniquely identified by *SubjectID* and *Repeat_Instance*.

The following variables are special ID variables used to link different datasets:

Variable	Table name	Description
CTID #	form4a_abdct form4bct	ID for merging form4a_abdct and form4bct datasets
USID #	form4a_us form4bus	ID for merging form4a_us and form4bus datasets
OtherID #	form4a_abdothor form4bother_abdangio form4bother_abdmri form4bother_bladder form4bother_pelangio form4bother_uppergi	ID for merging form4a_abdothor and form4bother datasets
CTFindingsID #	form4bct form4bct_ctfindings	ID for merging form4bct and form4bct_ctfindings datasets
US4BID #	form4bus form4bus_ipfluidloc form4bus_iaiorgansinj	ID for merging form4bus, form4bus_iaiorgansinj, form4bus_ipfluidloc datasets
ABDPROCID #	form6c form6c_spleeninterv form6c_liverinterv form6c_stomachinterv form6c_smintesinterv form6c_lgintesinterv form6c_kidneyinterv form6c_pancreasinterv form6c_gallbladinterv form6c_fascialinterv form6c_urinaryinterv	ID for merging all Form 6c datasets

Intra-abdominal Injury Annotated PUD eCRF

demographics (1of 1)

Demographics

Demographics Data		Enrollment Data	
Essential Identifying Info (Birthdate, Sex, Race) ---- * Indicates required fields			
*Patient ID	SubjectID #	* Date of Birth (use 4 digits for year)	ageinyrs #
Initials	Value not provided	*Sex	SEX \$25
Hispanic/Latino Ethnicity?	HISPANIC_ETHNICITY #	Race Other	OTHER_RACE \$50
Date Created:	Value not provided	Test Patient?	Value not provided
DV6484G -1 = Hispanic or Latino 0 = Not Hispanic or Latino 1 = Unknown		DV403G 1 = American Indian or Alaska Native 2 = Asian 3 = Black or African American 4 = Native Hawaiian or Other Pacific Islander 5 = White 6 = Stated as Unknown 7 = Other	

Save Show Printable version Exit Demographics/Enrollment

Intra-abdominal Injury Annotated PUD eCRF

form1 (1 of 9)

ED Visit

ED Physician Information			
Name of Physician		Value not provided	
Certification of physician completing form or providing oversight		Certification #	
Specify other certification		Value not provided	
<div style="border: 1px solid blue; padding: 5px; display: inline-block;"> DV618G 1 - Known 2 - Unknown </div>			
Information on each child			
Date of Injury	InjuryDay #	Time of Injury known?	InjTmKnown #
Estimated Time of Injury		InjuryTime \$5	
Date of ED Triage	EDTriageDay #	Time of ED Triage known?	
Approximate Time of ED Triage		EDTriageTime \$5	
Approximate weight in kilograms	ApproxWtKg #	TriageTmUnkown #	
Select how weight was assessed	WtAssessment #		
<div style="border: 1px solid blue; padding: 5px; display: inline-block;"> DV558G 1 - Actual Weight 2 - Parent Estimate 3 - Broselow Weight 4 - Clinician Estimate </div>		<div style="border: 1px solid blue; padding: 5px; display: inline-block;"> DV618G 1 - Known 2 - Unknown </div>	
<div style="border: 1px solid blue; padding: 5px; display: inline-block;"> DV5427G 1 - Emergency Medicine Faculty 2 - Pediatric Faculty 3 - Pediatric Emergency Medicine Faculty 4 - General/Trauma Surgery Faculty 5 - Pediatric Surgery Faculty 6 - Internal Medicine Faculty 7 - Family Practice Faculty 8 - Pediatric Emergency Medicine Fellow 9 - Pediatric Surgery Fellow 10 - Trauma Surgery Fellow 11- Other </div>			

Note: ApproxWtKg variable was not validated.

The variables InjuryMechanism and RecodedMOI answer the same question. The injury mechanism for each subject was reviewed if it was “Other Mechanism” and possibly re-classified by the study investigator to ensure that it was classified accurately. Therefore, both variables, before (InjuryMechanism) and after (RecodedMOI) the study investigator’s review, are included.

Intra-abdominal Injury Annotated PUD eCRF

form1 (2 of 9)

This variable indicates whether mechanisms of injury described in the open text field OtherMechanism were considered high risk or not high risk according to the study principle investigator.

ED Visit

I. History of Injury

Injury mechanism (select only one mechanism)

InjuryMechanism #

RecodedMOI #

ding

If in MVC (select all that apply)

MVCCollision #

Add record

Delete record

form1_mvccollision

Injury Mechanism Specifics

Was the patient restrained?

Type of restraint system

Was patient run-over by moving vehicle?

Did handlebars strike the abdomen?

Other mechanism (describe):

Comment

InjMechSpecs \$30

PatientRestrained #

RestraintSystem #

PatientRunOver #

HandlebarsAbd #

OtherMechanism \$255

OtherMOIHighRisk #

GenComment \$255

DV2179G

- 1 - Yes
- 2 - No
- 3 - Unknown
- 4 - Physician did not answer

DV6419G

- 1 - lap and shoulder harness
- 2 - lap belt only
- 3 - shoulder harness only
- 4 - infant car seat
- 5 - booster car seat
- 6 - unknown restraint system
- 7 - Physician did not answer

DV6543G

- 1 - Ejected from auto
- 2 - Rollover
- 3 - Death in same collision
- 4 - None of these
- 5 - Unknown
- 6 - Physician did not answer

DV6542G

- 1 - Occupant in Motor Vehicle Collision (MVC)
- 2 - Fall from an elevation
- 3 - Fall down stairs
- 4 - Pedestrian or bicyclist struck by moving vehicle
- 5 - Bike collision or fall from bike while riding
- 6 - Motorcycle/ATV/Motorized Scooter collision
- 7 - Object struck abdomen
- 8 - Unknown mechanism
- 9 - Other mechanism
- 10 - Physician did not answer

[2 - Fall from an elevation]

- 1 - < 3 ft.
- 2 - 3 - 10 ft.
- 3 - > 10 ft.
- 4 - Unknown
- 5 - Physician did not answer

[3 - Fall down stairs]

- 1 - 5 or less
- 2 - 6-15
- 3 - > 15
- 4 - Unknown
- 5 - Physician did not answer

[1 - Occupant in Motor Vehicle Collision (MVC)]

- 1 - < 20 mph
- 2 - 20 - 40 mph
- 3 - > 40 mph
- 4 - Speed Unknown
- 5 - Physician did not answer

[4 - Pedestrian or bicyclist struck by moving vehicle]

- 1 - < 5 mph
- 2 - 5 - 20 mph
- 3 - > 20 mph
- 4 - Speed Unknown
- 5 - Physician did not answer

[7 - Object struck abdomen]

- 1 - Intentional
- 2 - Accidental
- 3 - Unknown intentionality
- 4 - Physician did not answer

Intra-abdominal Injury Annotated PUD eCRF

form1 (3 of 9)

ED Visit

II. Historical examination (complaints)

1. Is the patient preverbal (unable to communicate because of limited verbal skills)

Preverbal #

2. Does patient complain of abdominal pain?

DV2767G

- 1 - Mild (barely noticeable)
- 2 - Moderate
- 3 - Severe (intense)
- 4 - Unknown
- 5 - Physician did not answer

AbdomenPain #

2a. Severity of historical abdominal pain

AbdPainSeverity #

2b. Location of abdominal pain

AbdPainLoc #

3. Vomiting/Retching

VomitWretch #

4. Does patient complain of shortness of breath/difficulty breathing

ShortBreath #

5. Does the patient have a distracting painful injury?

DistractingPain #

DV2480G

- 1 - Yes
- 2 - No
- 3 - Physician did not answer

DV1577G

- 1 - Diffuse
- 2 - Localized
- 3 - Unknown
- 4 - Physician did not answer

DV6147G

- 1 - Yes
- 2 - No
- 3 - Unable to Assess
- 4 - Physician did not answer

DV2179G

- 1 - Yes
- 2 - No
- 3 - Unknown
- 4 - Physician did not answer

Intra-abdominal Injury Annotated PUD eCRF

form1 (4 of 9)

ED Visit

III. Mental Status

1. Was the patient intubated?
2. Was the patient pharmacologically paralyzed?
3. Was the patient pharmacologically sedated?
4. Is there a clinical suspicion for alcohol or drug intoxication?

CurrIntubated #

PharmaParalyzed #

PharmaSedated #

AlcDrgSuspicion #

DV2480G

- 1 - Yes
- 2 - No
- 3 - Physician did not answer

5. Glasgow Coma Score

Eye

Verbal

Motor

Total GCS Score

5a. Aggregate Glasgow Coma Score

GCSEye #

GCSVerbal #

GCSMotor #

GCSScore #

AggregateGCS #

DV6558G

- 1 - 4:Spontaneous
- 2 - 3:Verbal
- 3 - 2:Pain
- 4 - 1:None

DV6559G

- 1 - 5:Oriented - coos/babbles
- 2 - 4:Confused - irritable/cries
- 3- 3:Inappropriate words - cries to pain
- 4 - 2:Incomprehensible sounds – moans
- 5 - 1:None

DV6560G

- 1 - 6:Follow commands
- 2 - 5:Localizes pain
- 3 - 4:Withdraws to pain
- 4 - 3:Abnormal flexure posturing
- 5 - 2:Abnormal extension posturing
- 6 - 1:None

Intra-abdominal Injury Annotated PUD eCRF

form1 (5 of 9)

DV6575G

- 1 - Yes
- 2 - Unknown
- 3 - Not Documented

ED Visit

IV. Physical Examination

1. Was the initial Systolic Blood Pressure in the ED known?

InitSysBP #

1a. Initial Systolic Blood Pressure

InitSysBPRange #

2. Was the initial Respiratory Rate in the ED known?

InitResp #

2a. Initial Respiratory Rate

InitRespRange #

3. Was the initial Heart Rate in the ED known?

HRDocumented #

3a. Initial Heart Rate (beats/min)

InitHeartRate #

DV400G

- 1 - Yes
- 2 - Intubated/BVM
- 3 - Unknown
- 4 - Not documented

Thoracic Examination

4. Evidence of thoracic trauma?

ThoracicTrauma #

4a.

Select all thoracic abnormalities

ThorAbnormality #

Add record

Delete record

form1_thoracicabnormalities

DV6294G

- 1 - erythema
- 2 - abrasion
- 3 - ecchymoses
- 4 - subcutaneous air
- 5 - laceration
- 6 - other
- 7 - Physician did not answer

DV2480G

- 1 - Yes
- 2 - No
- 3 - Physician did not answer

Intra-abdominal Injury Annotated PUD eCRF

form1 (6 of 9)

ED Visit

4b. Were abnormalities primarily

5. Thoracic tenderness

6. Left costal tenderness?

7. Right costal tenderness?

8. Does patient have absent/decreased breath sounds?

9. Does patient have abnormal chest auscultation findings?

ThorAbnLoc #

ThoracicTender #

LtCostalTender #

RtCostalTender #

DecrBreathSound #

AbnChestAusc #

DV5325G

- 1 - Anterior chest
- 2 - Posterior chest
- 3 - Both
- 4 - Physician did not answer

DV6147G

- 1 - Yes
- 2 - No
- 3 - Unable to Assess
- 4 - Physician did not answer

DV2179G

- 1 - Yes
- 2 - No
- 3 - Unknown
- 4 - Physician did not answer

Abdominal Examination

10. Evidence of abdominal wall trauma?

AbdTrauma #

10a.

Select all abdomen abnormalities

AbdAbnormality #

Add record

Delete record

form1_abdabnormalities

DV2200G

- 1 - erythema
- 2 - abrasion
- 3 - ecchymoses
- 4 - laceration
- 5 - other
- 6 - Physician did not answer

Intra-abdominal Injury Annotated PUD eCRF

form1 (7 of 9)

ED Visit

11. Is a seat belt sign present?

SeatBeltSign #

DV2480G

- 1 - Yes
- 2 - No
- 3 - Physician did not answer

12. Does the patient have abdominal distention?

AbdDistention #

DV2179G

- 1 - Yes
- 2 - No
- 3 - Unknown
- 4 - Physician did not answer

13. Are bowel sounds absent?

BowelSounds #

14. Does patient have abdominal tenderness?

AbdomenTender #

14a. Degree of abdominal tenderness

AbdTenderDegree #

14b. Location of abdominal tenderness

AbdTenderLoc #

DV1452G

- 1 - Yes
- 2 - No
- 3 - Did not listen
- 4 - Physician did not answer

15. Does the patient have peritoneal irritation?

PeritonIrrit #

16. Did patient have blood on rectal examination

RectalBlood #

DV4686G

- 1 - Mild
- 2 - Moderate
- 3 - Severe
- 4 - Physician did not answer

Flank & Pelvic Examination

17. Does the patient have flank tenderness?

FlankTender #

18. Does the patient have pelvic bone tenderness?

PelvicTender #

18a.

Pelvic locations that are tender

PelvTenderLoc #

form1_pelvtenderloc

Add record

Delete record

DV6147G

- 1 - Yes
- 2 - No
- 3 - Unable to Assess
- 4 - Physician did not answer

DV414G

- 1 - anterior superior iliac crests
- 2 - superior pubis
- 3 - inferior pubis
- 4 - SI joints;
- 5 - unknown;
- 6 - Physician did not answer

DV1377G

- 1 - Yes
- 2 - No
- 3 - Rectal exam not performed
- 4 - Physician did not answer

DV6626G

- 1 - diffuse
- 2 - above the umbilicus
- 3 - below the umbilicus
- 4 - peri-umbilical
- 5 - unknown
- 6 - Physician did not answer

Intra-abdominal Injury Annotated PUD eCRF

form1 (8 of 9)

ED Visit

19. Is the pelvis unstable?

PelvisUnstable #

DV2179G

- 1 - Yes
- 2 - No
- 3 - Unknown
- 4 - Physician did not answer

DV1925G

- 1 - Yes
- 2 - No
- 3 - Unsure
- 4 - Physician did not answer

Other Exam Findings

20. Does the patient have an injury that will require non-abdominal surgery?

NonAbdSurgery #

21. Was a urine dipstick obtained?

Value not provided

21a. Results of dipstick

Value not provided

Suspicion of Intra-abdominal Injury

22. Clinical suspicion for the presence of IAI identified on CT

IAISuspicion #

23. Clinical suspicion for IAI in need of acute intervention

IAIAcuteInterv #

24. Were you aware of any lab results?

LabResultAware #

DV2480G

- 1 - Yes
- 2 - No
- 3 - Physician did not answer

DV1975G

- 1 - <1%
- 2 - 1-5%
- 3 - 6-10%
- 4 - 11-50%
- 5 - >50%
- 6 - Physician did not answer

Intra-abdominal Injury Annotated PUD eCRF

form1 (9 of 9)

ED Visit

Abdominal Imaging

25. Was an abdominal ultrasound obtained?

AbdUltrasound #

25a. Was the data sheet completed before knowledge of the abdominal ultrasound results?

KnowAbUltraRes #

25b. Was hemoperitoneum seen on ultrasonography

Value not provided

26. Was an abdominal CT obtained?

AbdCTScan #

26a. If abdominal CT performed, was the data sheet completed before knowledge of the results?

KnowAbCTRes #

27. What factors were used in making the decision to obtain an abdominal CT?

All factors used for obtaining abdominal CT

Other (please describe)

AbdCTIndic #

OtherDescrip \$255

Add record

Delete record

form1_indicforabdct

28. Was patient hospitalized?

PtHosp #

DV2179G

- 1 - Yes
- 2 - No
- 3 - Unknown
- 4- Physician did not answer

DV5417G

- 1 - Young age
- 2 - Severe mechanism of injury
- 3 - Lower rib injury
- 4 - Hemodynamic instability
- 5 - Decreased mental status
- 6 - Flank tenderness
- 7 - Femur fracture
- 8 - Abnormal abdominal examination
- 9 - Trauma surgery request
- 10 -Abdominal clearance prior to non-abdominal surgery
- 11 -Low hematocrit
- 12 - Declining/drop in serial hematocrit measurements
- 13 - Elevated AST or ALT
- 14 - Elevated amylase/lipase
- 15 - Microscopic hematuria
- 16 - Gross hematuria
- 17 - Other abnormal lab value
- 18 - Other
- 19 - Physician did not answer

DV2480G

- 1 - Yes
- 2 - No
- 3- Physician did not answer

Calculated / derived variable(s) included in the form1 dataset:

Variable	Label	Type	Format	Algorithm / Notes
RefuseFU	Parent/guardian refused telephone or mail follow-up at time of ED visit	#	REFUSEFU	=1 if follow-up refused, =2 if follow-up not refused, =3 if patient was admitted to hospital or died in the ED
			REFUSEFU	
			1 - Yes	
			2 - No	
			3 - Not applicable per study protocol	

Intra-abdominal Injury Annotated PUD eCRF

form2 (1 of 8)

ED Visit

ED Physician Information

Name of Physician

Value not provided

Certification of physician completing form or providing oversight

Certification #

Specify other certification

Value not provided

Ed Evaluation

ED Evaluation Date

Value not provided

Time of Evaluation known?

EvalTmKnown #

DV618G

1 - Known

2 - Unknown

ED Evaluation Time

EDEvalTime \$5

DV5427G

1 - Emergency Medicine Faculty

2 - Pediatric Faculty

3 - Pediatric Emergency Medicine Faculty

4 - General/Trauma Surgery Faculty

5 - Pediatric Surgery Faculty

6 - Internal Medicine Faculty

7 - Family Practice Faculty

8 - Pediatric Emergency Medicine Fellow

9 - Pediatric Surgery Fellow

10 - Trauma Surgery Fellow

11 - Other

Intra-abdominal Injury Annotated PUD eCRF

form2 (2of 8)

ED Visit

I. History of Injury

Injury mechanism (select only one mechanism)

InjuryMechanism #

If in MVC (select all that apply)

Value not provided

Add record

Delete record

Injury Mechanism Specifics

Was the patient restrained?

Type of restraint system

Was patient run-over by moving vehicle?

Did handlebars strike the abdomen?

Other mechanism (describe):

Comment

InjMechSpecs \$30

PatientRestrained #

RestraintSystem #

PatientRunOver #

HandlebarsAbd #

Value not provided

GenComment \$255

DV2179G

- 1 - Yes
- 2 - No
- 3 - Unknown
- 4 - Physician did not answer

DV6419G

- 1 - lap and shoulder harness
- 2 - lap belt only
- 3 - shoulder harness only
- 4 - infant car seat
- 5 - booster car seat
- 6 - unknown restraint system
- 7 - Physician did not answer

DV6542G

- 1 - Occupant in Motor Vehicle Collision (MVC)
- 2 - Fall from an elevation
- 3 - Fall down stairs
- 4 - Pedestrian or bicyclist struck by moving vehicle
- 5 - Bike collision or fall from bike while riding
- 6 - Motorcycle/ATV/Motorized Scooter collision
- 7 - Object struck abdomen
- 8 - Unknown mechanism
- 9 - Other mechanism
- 10 - Physician did not answer

[1 - Occupant in Motor Vehicle Collision (MVC)]

- 1 - < 20 mph
- 2 - 20 - 40 mph
- 3 - > 40 mph
- 4 - Speed Unknown
- 5 - Physician did not answer

[4 - Pedestrian or bicyclist struck by moving vehicle]

- 1 - < 5 mph
- 2 - 5 - 20 mph
- 3 - > 20 mph
- 4 - Speed Unknown
- 5 - Physician did not answer

[2 - Fall from an elevation]

- 1 - < 3 ft.
- 2 - 3 - 10 ft.
- 3 - > 10 ft.
- 4 - Unknown
- 5 - Physician did not answer

[3 - Fall down stairs]

- 1 - 5 or less
- 2 - 6-15
- 3 - > 15
- 4 - Unknown
- 5 - Physician did not

[7 - Object struck abdomen]

- 1 - Intentional
- 2 - Accidental
- 3 - Unknown intentionality
- 4 - Physician did not answer

Intra-abdominal Injury Annotated PUD eCRF

form2 (3 of 8)

DV2480G

- 1 - Yes
- 2 - No
- 3 - Physician did not answer

ED Visit

II. Historical examination (complaints)

1. Is the patient preverbal (unable to communicate because of limited verbal skills)

Preverbal #

2. Does patient complain of abdominal pain?

DV2767G

- 1 - Mild (barely noticeable);
- 2 - Moderate
- 3 - Severe (intense)
- 4 - Unknown
- 5 - Physician did not answer

AbdomenPain #

2a. Severity of historical abdominal pain

AbdPainSeverity #

2b. Location of abdominal pain

AbdPainLoc #

3. Vomiting/Retching

VomitWretch #

4. Does patient complain of shortness of breath/difficulty breathing

ShortBreath #

5. Does the patient have a distracting painful injury?

DistractingPain #

DV1577G

- 1 - Diffuse
- 2 - Localized
- 3 - Unknown
- 4 - Physician did not answer

DV6147G

- 1 - Yes
- 2 - No
- 3 - Unable to Assess
- 4 - Physician did not answer

DV2179G

- 1 - Yes
- 2 - No
- 3 - Unknown
- 4 - Physician did not answer

Intra-abdominal Injury Annotated PUD eCRF

form2 (4 of 8)

ED Visit

III. Mental Status

1. Was the patient intubated?

CurrIntubated #

2. Was the patient pharmacologically paralyzed?

PharmaParalyzed #

3. Was the patient pharmacologically sedated?

PharmaSedated #

4. Is there a clinical suspicion for alcohol or drug intoxication?

AlcDrgSuspicion #

DV2480G

- 1 - Yes
- 2 - No
- 3 - Physician did not answer

5. Glasgow Coma Score

Eye

GCSEye #

DV6558G

- 1 - 4:Spontaneous
- 2 - 3:Verbal
- 3 - 2:Pain
- 4 - 1:None

Verbal

GCSVerbal #

Motor

GCSMotor #

Total GCS Score

GCSScore #

5a. Aggregate Glasgow Coma Score

AggregateGCS #

DV6559G

- 1 - 5:Oriented - coos/babbles
- 2 - 4:Confused - irritable/cries
- 3 - 3:Inappropriate words - cries to pain
- 4 - 2:Incomprehensible sounds – moans
- 5 - 1:None

DV6560G

- 1 - 6:Follow commands
- 2 - 5:Localizes pain
- 3 - 4:Withdraws to pain
- 4 - 3:Abnormal flexure posturing
- 5 - 2:Abnormal extension posturing
- 6 - 1:None

Intra-abdominal Injury Annotated PUD eCRF

form2 (5 of 8)

ED Visit

IV. Physical Examination

Thoracic Examination

1. Evidence of thoracic trauma?

ThoracicTrauma #

DV2480G

1 - Yes

2 - No

3 - Physician did not answer

1a.

Select all thoracic abnormalities

Value not provided

Add record

Delete record

1b. Were abnormalities primarily

2. Thoracic tenderness

3. Left costal tenderness?

4. Right costal tenderness?

5. Does patient have absent/decreased breath sounds?

6. Does patient have abnormal chest auscultation findings?

ThorAbnLoc #

ThoracicTender #

LtCostalTender #

RtCostalTender #

DecrBreathSound #

AbnChestAusc #

DV5325G

1 - Anterior chest

2 - Posterior chest

3 - Both

4 - Physician did not answer

DV6147G

1 - Yes

2 - No

3 - Unable to Assess

4 - Physician did not answer

DV2179G

1 - Yes

2 - No

3 - Unknown

4 - Physician did not answer

Intra-abdominal Injury Annotated PUD eCRF

form2 (6 of 8)

ED Visit

Abdominal Examination

7. Evidence of abdominal wall trauma?

AbdTrauma #

7a.

Select all abdomen abnormalities

Value not provided

Add record

Delete record

8. Is a seat belt sign present?

9. Does the patient have abdominal distention?

10. Are bowel sounds absent?

11. Does patient have abdominal tenderness?

11a. Degree of abdominal tenderness

11b. Location of abdominal tenderness

12. Does the patient have peritoneal irritation?

SeatBeltSign #

AbdDistention #

BowelSounds #

AbdomenTender #

AbdTenderDegree #

AbdTenderLoc #

PeritonIrrit #

DV2179G

- 1 - Yes
- 2 - No
- 3 - Unknown
- 4 - Physician did not answer

DV2480G

- 1 - Yes
- 2 - No
- 3 - Physician did not answer

DV1452G

- 1 - Yes
- 2 - No
- 3 - Did not listen
- 4 - Physician did not answer

DV4686G

- 1 - Mild
- 2 - Moderate
- 3 - Severe
- 4 - Physician did not answer

DV6147G

- 1 - Yes
- 2 - No
- 3 - Unable to Assess
- 4 - Physician did not answer

DV6626G

- 1 - diffuse
- 2 - above the umbilicus
- 3 - below the umbilicus
- 4 - peri-umbilical
- 5 - unknown
- 6 - Physician did not answer

Intra-abdominal Injury Annotated PUD eCRF

form2 (7 of 8)

ED Visit

Flank & Pelvic Examination

13. Does the patient have flank tenderness?

FlankTender #

14. Does the patient have pelvic bone tenderness?

PelvicTender #

14a.

Pelvic locations that are tender

Value not provided

Add record

Delete record

15. Is the pelvis unstable?

PelvisUnstable #

DV6147G

- 1 - Yes
- 2 - No
- 3 - Unable to Assess
- 4 - Physician did not answer

DV2179G

- 1 - Yes
- 2 - No
- 3 - Unknown
- 4 - Physician did not answer

Intra-abdominal Injury Annotated PUD eCRF

form2 (8 of 8)

ED Visit

Other Exam Findings

16. Does the patient have an injury that will require non-abdominal surgery?

NonAbdSurgery #

DV1925G

- 1 - Yes
- 2 - No
- 3 - Unsure
- 4 - Physician did not answer

Suspicion of Intra-abdominal Injury

17. Clinical suspicion for the presence of IAI identified on CT

IAISuspicion #

18. Clinical suspicion for IAI in need of acute intervention

IAIAcuteInterv #

19. Were you aware of any lab results?

LabResultAware #

20. Was an abdominal CT obtained?

AbdCTScan #

20a. If abdominal CT performed, was the data sheet completed before knowledge of the results?

KnowAbCTRes #

DV2480G

- 1 - Yes
- 2 - No
- 3 - Physician did not answer

DV2179G

- 1 - Yes
- 2 - No
- 3 - Unknown
- 4 - Physician did not answer

DV1975G

- 1 - <1%
- 2 - 1-5%
- 3 - 6-10%
- 4 - 11-50%
- 5 - >50%
- 6 - Physician did not answer

Intra-abdominal Injury Annotated PUD eCRF

form4a (1 of 4)

Imaging Data

Abdominal/Pelvic CT

Did patient undergo an abdominal/pelvic CT?

AbdCTScan1 #

DV6032G

1 - Yes
2 - No

Abdominal CT Imaging

Date of Abdominal CT	Time of Abdominal CT	Location of CT	Intravenous contrast administered?	Oral contrast administered?	CT findings	Report upload
AbdCTDay #	AbdCTTime \$5		IVContrast #		CTResults #	Value not provided
		CTLocation #		OralContrast #		Display Data... Remove Data...

Add record Delete record

form4a_abdct

DV1314G

1 - ED
2 - Inpatient
3 - Outpatient
4 - Unknown

DV735G

1 - Yes
2 - No
3 - Unknown

DV3345G

1 - Normal
2 - Abnormal
3 - No interpretation from any known source

Intra-abdominal Injury Annotated PUD eCRF

form4a (2 of 4)

Imaging Data

Abdomen Ultrasound

Did patient undergo an abdominal ultrasound?

AbdUltrasound1 #

DV6032G

1 - Yes

2 - No

Abdominal Ultrasound Imaging

form4a_us

Date of Abdominal Ultrasound	Time of Abdominal Ultrasound	Location of Ultrasound	Type of Ultrasound	Ultrasound findings	Report Upload
AbdUltrasoundDay #			UltrasoundType #	UltrasoundRes #	Value not provided

Add record

Delete record

UltrasoundLoc #

AbdUltrasoundTm \$5

DV1314G

1 - ED

2 - Inpatient

3 - Outpatient

4 - Unknown

DV292G

1 - FAST

2 - Full abdominal scan

3 - Unknown

DV3345G

1 - Normal

2 - Abnormal

3 - No interpretation from any known source

Intra-abdominal Injury Annotated PUD eCRF

form4a (3 of 4)

Imaging Data

Other Abdominal Imaging

Did patient undergo other abdominal radiographic studies?

OthAbdImages #

DV6032G

1 - Yes

2 - No

Other Abdominal Imaging studies

Type
of
abdominal
imaging
study

Date

Call Time

Report Upload

Value not provided

AbdImageType #

ProcDay #

Display Data...

Remove Data...

Add record

Delete record

CallTime \$5

form4a_abdothor

DV3645G

- 1 - Abdominal angiography
- 2 - Pelvic angiography
- 3 - Upper gastrointestinal series
- 4 - Abdominal MRI
- 5 - Cystogram

Intra-abdominal Injury Annotated PUD eCRF

form4a (4 of 4)

Imaging Data

Plain Radiographs of the Chest and Pelvis

Did the patient have a plain chest radiograph in the ED?

ChestCXR #

DV6032G

1 - Yes
2 - No

Did initial ED chest radiograph show evidence of traumatic injury?

CHCXRFindings #

DV3685G

1 - No traumatic findings
2 - Traumatic findings identified

Traumatic Injuries

Select
traumatic
injuries
present

Other
injury

TraumaticInj #

OtherInjury \$255

Add record

Delete record

form4a_traumaticinj

Did the patient have a plain pelvic radiograph?

PelvicXR #

DV6032G

1 - Yes
2 - No

Did initial ED pelvis radiograph show evidence of bony fracture?

PelXRFindings #

DV5089G

1 - Pneumothorax
2 - Hemothorax
3 - Rib fracture
4 - Pulmonary contusion
5 - Pneumomediastinum
6 - Pneumopericardium
7 - Diaphragm injury
8 - Other

Intra-abdominal Injury Annotated PUD eCRF

form4bct (1 of 2)

DV6726G

1 - 1
2 - 2
3 - 3
4 - 4
5 - 5
6 - 6
7 - 7
8 - 8
9 - 9
10 - 10

Unscheduled

Subheader ID

CTFindingsID #

Abdominal CT #

Form4BCTNumber #

Abdominal CT Date

AbdCTDay #

Abdominal CT Time

AbdCTTm1 \$5

Was this CT done after laparotomy or laparoscopy?

CTAfterLap #

DV6032G

1 - Yes
2 - No

CT Findings

**Injury
Organ
System**

**Organ
Injury
Specifics**

Describe the "Other"

form4bct_ctfindings

InjOrganSystem #

OrgInjurySpec \$255

InjDescription \$255

Add record

Delete record

Overall Summary of this CT

Is this a subsequent CT for this patient?

Form4B2ndCT #

DV6032G

1 - Yes
2 - No

Abdominal injuries have:

Form4bAbdInj #

Intraperitoneal fluid has:

Form4bIntrFluid #

Is this abdominal CT positive for IAI?

IAICTPositive #

Is this abdominal CT positive for abdominal trauma?

AbdCTTrauma #

DV5985G

1 - Improved
2 - Remained the same
3 - Worsened
4 - Unclear
5 - Not Applicable

DV5529G

1 - Increased
2 - Remained the same
3 - Decreased
4 - Unclear
5 - Not Applicable

DV6032G

1 - Yes
2 - No

DV6832G

1 - Yes
2 - No
3 - Equivocal

ORGAN

1 - Splenic Injury	9 - Intra-abdominal Vascular Injury
2 - Liver Injury	10 - Fascial Defect
3 - Gallbladder Injury	11 - Intraperitoneal Fluid
4 - Pancreatic Injury	12 - Retroperitoneal Injury
5 - Renal Injury	13 - Thoracic Injury
6 - Urinary Bladder Injury	14 - Pelvic Fracture
7 - Gastrointestinal Injury	15 - Vertebral Injury
8 - Adrenal Injury	16 - Other Injury Not Specified

Intra-abdominal Injury Annotated PUD eCRF

form4bct (2 of 2)

[1 - Splenic Injury]

1 - Laceration
2 - Hematoma
3 - Contusion
4 - Rupture
5 - Traumatic infarction
6 - Contrast extravasation
8 - Dictation unclear
9 - Possible
10 - Probable
66 - Other

[2 - Liver Injury]

1 - Laceration
2 - Hematoma
3 - Contusion
4 - Traumatic infarction
5 - Contrast extravasation
6 - Hepatic avulsion
7 - Biloma
9 - Dictation unclear
10 - Possible
11 - Probable
66 - Other

[3 - Gallbladder Injury]

1 - Avulsion
2 - Contusion
4 - Dictation unclear
5 - Possible
6 - Probable
66 - Other

[4 - Pancreatic Injury]

1 - Laceration
2 - Ductal injury
3 - Contusion
5 - Dictation unclear
6 - Possible
7 - Probable
66 - Other

[5 - Renal Injury]

1 - Laceration
2 - Hematoma
3 - Contusion
4 - Devascularization
6 - Dictation unclear
7 - Possible
8 - Probable
66 - Other

[6 - Urinary Bladder Injury]

1 - Hematoma
2 - Intraperitoneal rupture
3 - Extraperitoneal rupture
5 - Dictation unclear
6 - Possible
7 - Probable
66 - Other

[7 - Gastrointestinal Injury]

1 - Free Air
2 - Bowel wall edema/thickening
3 - Bowel wall hematoma
4 - Bowel wall contusion
5 - Mesenteric streaking
6 - Mesenteric hematoma
7 - Extravasation of contrast from mesentery
9 - Dictation unclear
10 - Possible
11 - Probable
66 - Other

[8 - Adrenal Injury]

1 - Hemorrhage
2 - Dictation unclear
4 - Possible
5 - Probable
66 - Other

[9 - Intra-abdominal Vascular Injury]

1 - Dictation unclear
2 - Possible
3 - Probable
66 - Describe

[10 - Fascial Defect]

1 - Dictation unclear
2 - Possible
3 - Probable
66 - Describe

[11 - Intraperitoneal Fluid]

1 - Right upper quadrant
2 - Left upper quadrant
3 - Right paracolic gutter
4 - Left paracolic gutter
5 - Pelvis
6 - Around the pancreas/duodenum
8 - Dictation unclear
9 - Possible
10 - Probable
66 - Other

[12 - Retroperitoneal Injury]

1 - Dictation unclear
2 - Possible
3 - Probable
66 - Describe

[13 - Thoracic Injury]

1 - Pulmonary contusion
2 - Pneumothorax
3 - Hemothorax
4 - Rib fracture
5 - Sternal fracture
6 - Aortic injury
7 - Tracheal bronchial disruption
8 - Cardiac contusion
9 - Pneumopericardium
10 - Diaphragm injury
11 - Hemopericardium
13 - Dictation unclear
14 - Possible
15 - Probable
66 - Other

[16 - Other Injury Not Specified]

66 - Other

[14 - Pelvic Fracture]

1 - Pubis
2 - Ilium
3 - Sacrum
4 - Ischium
5 - Acetabulum
6 - Arterial bleeding from a pelvic fracture
8 - Dictation unclear
9 - Possible
10 - Probable
66 - Other

[15 - Vertebral Injury]

1 - T10
2 - T11
3 - T12
4 - L1
5 - L2
6 - L3
7 - L4
8 - L5
9 - Transverse process
10 - Vertebral Body
11 - Dictation unclear
66 - Other

Intra-abdominal Injury Annotated PUD eCRF

form4bus (1 of 1)

Unscheduled

Abdominal Ultrasound with traumatic injuries

Subheader ID

USID #

DV6727G

Ultrasound #

Form4BUSNumber #

1 - 1

2 - 2

3 - 3

Abdominal Ultrasound Date

AbdUSDay #

Abdominal Ultrasound Time

AbdUSTm \$5

Location of Ultrasound

UltrasoundLoc #

DV1314G

1 - ED

2 - Inpatient

3 - Outpatient

4 - Unknown

Was this US done after laparotomy or laparoscopy?

AbdUSAAfterLap #

Location of Intraperitoneal fluid

Location
of
Intraperitoneal
fluid

DV1420G

1 - Morrison's pouch (right upper quadrant) 6 - No free fluid

2 - Left upper quadrant 7 - Possible

3 - Right paracolic gutter 8 - Probable

4 - Left paracolic gutter 9 - Unclear

5 - Suprapubic region

IPFluidLoc #

form4bus_ipfluidloc

Add record

Delete record

Solid Organ Injury identified on ultrasonography

Was a complete abdominal ultrasound obtained?

CompleteUSObt #

DV6032G

1 - Yes

2 - No

If a complete abdominal ultrasound obtained, was a solid organ injury identified?

OrganInjOnUS #

Specify injuries identified

Specify
the
injuries
identified

Other description

IAISpecInjuries #

OtherDescr \$255

form4bus_iaiorgansinj

Add record

Delete record

DV178G

1 - Spleen

2 - Liver

3 - Kidney

4 - Gastrointestinal tract

5 - Other

Intra-abdominal Injury Annotated PUD eCRF

form4bother_abdangio (1 of 1)

Unscheduled

Abdominal Angiography with traumatic injuries

Was an Abdominal Angiography obtained?

Subheader ID

Abdominal Angiography Date

Abdominal Angiography Time

Was this abdominal angiography done after laparotomy or laparoscopy?

Did abdominal angiography demonstrate IAI?

Did radiologist embolize a bleeding vessel with angiography?

List the vessel embolized

Text field

AbdAngioObtain #

OtherID #

AbdAngioDay #

AbdAngioTm \$5

AbdAngioAfterLap #

AbdAngioShowIAI #

AbdAngioVessel #

DV6032G

1 - Yes

2 - No

AbdAngioList \$255

AbdAngioText \$1024

Select all organs injured

Select
all
organs
injured

AbdAngioOrgans #

DV583G

1 - Spleen

2 - Liver

3 - Kidney

4 - GI (mesentery)

5 - Other vascular structure

6 - Dictation unclear

Add record

Delete record

Intra-abdominal Injury Annotated PUD eCRF

form4bother_pelangio (1 of 1)

Unscheduled

Pelvic Angiography with traumatic injuries

Was a Pelvic Angiography obtained?

PelAngioObtain #

Subheader ID

OtherID #

Pelvic Angiography Date

PelAngioDay #

Pelvic Angiography Time

PelAngioTm \$5

DV6032G

1 - Yes

2 - No

Was this pelvic angiography done after laparotomy or laparoscopy?

PelAngioAfterLap #

Did pelvic angiography demonstrate a bleeding vessel?

PelAngioShow #

Did radiologist embolize a bleeding vessel with angiography

PelAngioVessel #

List the vessel embolized

PelAngioList \$255

Text field

PelAngioText \$1024

+

Intra-abdominal Injury Annotated PUD eCRF

form4bother_uppergi (1 of 2)

Unscheduled

Upper Gastrointestinal Series

Was an Upper Gastrointestinal Series obtained?

UpperGIObtain #

Subheader ID

OtherID #

Upper GI Series Date

UpperGIDay #

Upper GI Series Time

UpperGITm \$5

Was this upper GI series done after laparotomy or laparoscopy?

UpperGIAfterLap #

Did upper GI series demonstrate an IAI?

UpperGIShow #

DV6032G
1 – Yes
2 - No

Text field

UpperGIText \$1024

Intra-abdominal Injury Annotated PUD eCRF

form4bother_uppergi (2 of 2)

Unscheduled

Upper GI organs injured

Select all organs injured	Size of hematoma in cm if documented	Other GI organ (List type)
UpperGIOrgans #	GISzHematoma #	GIOthOrgType \$1024

Add record

Delete record

DV657G
1 – Duodenum
2 - Other

Intra-abdominal Injury Annotated PUD eCRF

form4bother_abdmri (1 of 1)

Unscheduled

Abdominal MRI

Was an Abdominal MRI obtained?

AbdMRIObtain #

Subheader ID

OtherID #

Abdominal MRI Date

AbdMRIDay #

Abdominal MRI Time

AbdMRITm \$5

Was this abdominal MRI done after laparotomy or laparoscopy?

AbdMRIAfterLap #

Did abdominal MRI demonstrate an IAI?

AbdMRIShow #

DV6032G
1 - Yes
2 - No

Abdominal Organs Injured

Select
all
organs
injured

AbdOrgans #

Add record

Delete record

DV720G
1 - Spleen
2 - Liver
3 - Kidney
4 - GI (mesentery)
5 - Adrenal
6 - Pancreas
7 - Bladder
8 - Fascial defect
9 - Dictation unclear

Intra-abdominal Injury Annotated PUD eCRF

form4bother_bladder (1 of 1)

Unscheduled

Cystogram

Was a cystogram obtained?

Subheader ID

Cystogram Date

Cystogram Time

Was this cystogram done after laparotomy or laparoscopy?

Did cystogram demonstrate an injury to the bladder?

CystogramObtain #

OtherID #

CystogramIDay #

CystogramITm \$5

CystoAfterLap #

CystogramShow #

DV6032G
1 – Yes
2 - No

Bladder Injuries

Select
all
organs
injured

Other
bladder
injury
description

BladdOrgans #

OthBladderInj \$1024

Add record

Delete record

DV834G

- 1 - Intraperitoneal bladder injury
- 2 - Extraperitoneal bladder injury
- 3 - Bladder hematoma
- 4 - Both intraperitoneal and extraperitoneal
- 5 - Other bladder injury

Intra-abdominal Injury Annotated PUD eCRF

form5 (1 of 5)

Laboratory Data

Laboratory Results

Were any of the lab tests listed ordered w/in 7 days of ED Triage?

LabsObtained #

DV6032G

1 - Yes

2 - No

Hematocrit

Hematocrit lab obtained?

HematocritColl #

Hematocrit

Date	Time	Hematocrit Result
HCTDay #		HCTValue #

HCTTime \$5

form5_hematocrit

Add record

Delete record

Intra-abdominal Injury Annotated PUD eCRF

form5 (2 of 5)

Laboratory Data

Peripheral White Blood Cell Count

Peripheral white blood cell counts obtained?

WBCColl #

DV6032G

1 - Yes

2 - No

Peripheral White Blood Cells

Date	Time	WBC Result
------	------	------------

WBCTime \$5

WBCValue #

WBCDay #

Add record

Delete record

form5_wbc

Serum Bicarbonate

Serum Bicarbonate lab obtained?

SerBicarbColl #

DV6032G

1 - Yes

2 - No

Serum Bicarbonate

Date	Time	Serum Bicarb Result
------	------	---------------------

SerBicarbTime \$5

SerBicarbDay #

Add record

Delete record

form5_bicarb

Intra-abdominal Injury Annotated PUD eCRF

form5 (3 of 5)

Laboratory Data

Serum AST

Serum Ast lab obtained?

SerumASTColl #

DV6032G

1 - Yes

2 - No

Serum AST

Date	Time	Serum AST Result
SerASTDay #		SerASTValue #

SerASTTime \$5

Add record

Delete record

form5_ast

Serum ALT

Serum ALT lab obtained?

SerumALTColl #

DV6032G

1 - Yes

2 - No

Serum ALT

Date	Time	Serum ALT Result
SerALTDay #		SerALTValue #

SerALTTime \$5

Add record

Delete record

form5_alt

Intra-abdominal Injury Annotated PUD eCRF

form5 (4 of 5)

Laboratory Data

Serum Amylase

Serum Amylase lab obtained?

SerAmylaseColl #

DV6032G

1 - Yes

2 - No

Serum Amylase

Date	Time	Serum Amylase Result
SerAmylaseDay #		SerAmylValue #

SerAmylaseTime \$5

Add record

Delete record

form5_amylase

Serum Lipase

Serum Lipase lab obtained?

SerLipaseColl #

DV6032G

1 - Yes

2 - No

Serum Lipase

Date	Time	Serum Lipase Result
SerLipaseDay #		SerLipaseValue #

SerLipaseTime \$5

Add record

Delete record

form5_lipase

Intra-abdominal Injury Annotated PUD eCRF

form5 (5 of 5)

Laboratory Data

Serum BUN

Serum BUN lab obtained?

SerBUNColl #

DV6032G

1 - Yes

2 - No

Serum BUN

Date	Time	Serum BUN Result
SerBunDay #		SerBUNValue #

SerBUNTime \$5

Add record

Delete record

form5_bun

Serum Creatinine

Serum Creatinine lab obtained?

SerCreatColl #

DV6032G

1 - Yes

2 - No

Serum Creatinine

Date	Time	Serum Creatinine Result
SerCreatDay #		SerCreatValue #

SerCreatTime \$5

Add record

Delete record

form5_creatinine

Intra-abdominal Injury Annotated PUD eCRF

form6a (1 of 3)

Clinical Outcome

Clinical Outcome - RA Data Collection Form

Disposition from the ED

IAIEDDisp #



Other specify or Name of Hospital

Value not provided

Patient subsequently admitted within 30 days of ED Discharge

PtSubsAdmitted #

DV6032G

1 - Yes

2 - No

Patient readmitted to hospital within 30 days of ED Triage

PtReAdmitted #

Date of hospital discharge

DayofDischarge #

DV6577G

1 - Home

2 - Against Medical Advice (AMA)

3 - Death in ED

4 - Admit- general inpatient

5 - Admit short-stay/observation unit

6 - Operating Room

7 - ICU

8 - Transferred to another hospital

9 - Other

Intra-abdominal Injury Annotated PUD eCRF

form6a (2 of 3)

Clinical Outcome

ICD9 codes upon discharge

ICD9 Code	Description
Value not provided	Value not provided

Add record

Delete record

Did patient have an intra-abdominal injury diagnosed in the ED/during hospitalization by any diagnostic method

IAInED1 #

Did patient undergo a diagnostic peritoneal lavage (DPL)?

DiagPerLavage #

Was the DPL abnormal?

DPLAbnormal #

Was a laparoscopy (surgical visualization) performed?

Laparoscopy #

Report Upload (Laparoscopy)

Value not provided

Upload Data...

Was a laparotomy (abdominal surgery) performed?

Laparotomy1 #

Report Upload (Laparotomy)

Value not provided

Upload Data...

Thoracic (chest) injury diagnosed in ED &/or during hospitalization?

ThoracicInjury #

Pelvic fracture diagnosed in ED &/or during hospitalization?

PelvicFracture #

Any non-abdominal surgical procedures in the first 24 hours after ED triage?

NonAbdSurg #

DV6032G
1 - Yes
2 - No

Intra-abdominal Injury Annotated PUD eCRF

form6a (3 of 3)

Clinical Outcome

Surgical procedures in the initial 24 hours

Select
all
surgical
procedures
performed

Other
Surgery

SurgicalProc #

OtherSurgery \$255

Add record

Delete record

form6a_nonabdsurgery

Did patient die within 30 days of injury?

DidPtDie #

DV6032G

1 - Yes

2 - No

Cause of Death

DeathCause #

Specify other cause(s) of death

OtherDeathCause \$255

DV600G

- 1 - Orthopedic
- 2 - Facial (plastic or ENT)
- 3 - Neurosurgical
- 4 - Eye (ophthalmology)
- 5 - Vascular
- 6 - Urologic
- 7 - Other

DV204G

- 1 - Intra-abdominal injury
- 2 - Multiple blunt force trauma
- 3 - Traumatic brain injury
- 4 - Thoracic injury
- 5 - Other

Intra-abdominal Injury Annotated PUD eCRF

form6b (1 of 6)

Clinical Outcome

Clinical Outcome - PI Data Collection Form

Did patient have an intra-abdominal injury diagnosed in the ED/during hospitalization by any diagnostic method

IAInED1 #

Was there an injury to the Liver?

Liver #

CT Grade (Liver)

CTGrade #

Was there an injury to the Spleen?

Spleen #

CT Grade (Spleen)

CTGrade2 #

Was there an injury to the Kidney?

Kidney #

CT Grade (Kidney)

CTGrade3 #

Was there a Gastrointestinal injury?

GITract #

Was there an injury to the Mesenteric?

Mesenteric #

Was there injury to the Small Bowel?

SmallBowel #

DV35G

1 - I

2 - II

3 - III

4 - IV

5 - V

6 - VI

DV6299G

1 - I

2 - II

3 - III

4 - IV

5 - V

DV6032G

1 - Yes

2 - No

Intra-abdominal Injury Annotated PUD eCRF

form6b (2 of 6)

Clinical Outcome

Select Small Bowel Injury

Select
all
small
bowel
injuries
that
apply

SmBowelInjury #

Add record

Delete record

DV170G
1 - Duodenum
2 - Jejunum
3 - Ileum
3 - Unspecified

form6b_smbowelinjury

Was there injury to the Large Bowel?

LargeBowel #

DV6032G
1 - Yes
2 - No

Intra-abdominal Injury Annotated PUD eCRF

form6b (3 of 6)

Clinical Outcome

Select Large Bowel Injury

Select
all
large
bowel
injuries
that
apply

LgBowelInjury #

DV171G

- 1 - Cecum
- 2 - Ascending colon
- 3 - Transverse colon
- 4 - Descending colon
- 5 - Rectum
- 6 - Unspecified

Add record

Delete record

form6b_lgbowelinjury

Intra-abdominal Injury Annotated PUD eCRF

form6b (4 of 6)

Clinical Outcome

Was there injury to the Pancreas?

Pancreas #

Was there injury to the Gallbladder?

Gallbladder #

Was there a Fascial injury?

FascialInjury #

Was there injury to the Adrenal gland?

AdrenalGland #

Was there injury to the Urinary bladder?

UrinaryBladder #

Was there injury to the Vascular structure?

VascularStruct #

Was there injury to the Hemoperitoneum/free fluid?

HemoperitFluid #

Was an Other organ not listed injured?

OtherChecked #

Please specify ☐ Other Organ Injured ☐

TOrgansOther \$255

DV6032G
1 - Yes
2 - No

Did patient have a blood transfusion secondary to anemia/hemorrhage from IAI injury

BldTransfusion #

Patient kept NPO and received IV fluids for greater than or equal to 2 days

IVFluids #

Was there a urinalysis done at the initial ED visit documented with an RBC/HPF result?

Value not provided

of RBC/HPF

Value not provided

Did patient have a thoracic injury?

ThoracicInjury1 #

DV4705G

1 - Yes
2 - Probably
3- Can't Tell
4 - No

Intra-abdominal Injury Annotated PUD eCRF

form6b (5 of 6)

Clinical Outcome

Select all thoracic injuries	Other thoracic injury	Did patient receive a chest tube/tube thoracostomy
AllInjuries2 #	OtherThoracInj \$255	ChestTube #

DV2140G

- 1 - Pulmonary Contusion
- 2 - Pneumothorax
- 3 - Hemothorax
- 4 - Rib Fracture
- 5 - Diaphragm
- 6 - Sternal Fracture
- 7 - Aortic Injury
- 8 - Tracheal Bronchial Disruption
- 9 - Cardiac Contusion
- 10 - Pneumomediastinum
- 11 - Pneumopericardium
- 12 - Hemopericardium
- 13 - Other Thoracic Injury

DV6032G

- 1 - Yes
- 2 - No

Intra-abdominal Injury Annotated PUD eCRF

form6b (6 of 6)

Clinical Outcome

Aortic injury interventions

Aortic Injury interventions	Other aortic injury intervention
AortInjInterv #	OtherInterven \$255

form6b_aortininterv

Add record

Delete record

Did the patient undergo a thoracotomy?

Thoracotomy #

DV6032G

1 - Yes

2 - No

Did patient have a pelvic fracture?

PelvicFracture1 #

form6b_bonesfractured

Select all bones fractured

Other bone (specify)

BonesFractured #

OtherBone \$255

Add record

Delete record

Did patient undergo surgical repair for their pelvic fracture

SurgicalRepair #

DV6592G

1 - Pubis

2 - Ilium

3 - Ischium

4 - Sacrum

5 - Acetabular fracture

6 - Hip dislocation

7 - Open book fracture

8 - SI joint disruption

9 - Other

DV6032G

1 - Yes

2 - No

DV4528G

1 - Surgical repair

2 - Aortic stenting

3 - Other

Intra-abdominal Injury Annotated PUD eCRF

form6c (1 of 7)

Unscheduled

Laparotomy Summary Information

Abdominal Procedure #

LapNumber #

Abdominal Procedure Date

LapDay #

Abdominal Procedure Time

LapTime \$5

Abdominal Procedure Type

LaparotomyType #

Did the patient have an intra-abdominal injury at laparotomy?

IAIDxDuringLap #

Did the patient have hemoperitoneum?

HemoDxDurLap #

Did the patient have a surgical intervention during procedure?

IntervenDurLap #

DV6726G

1 - 1
2 - 2
3 - 3
4 - 4
5 - 5
6 - 6
7 - 7
8 - 8
9 - 9
10 - 10

DV6032G

1 - Yes
2 - No

LAPTYPE

1 - Exploratory Laparotomy
2 - Decompressive Laparotomy
3 - Exploratory and Decompressive Laparotomy
4 - Laparoscopy
5 - Laparoscopy converted to Laparotomy
6 - Laparoscopy converted to Exploratory and Decompressive Laparotomy
7 - Other

Intra-abdominal Injury Annotated PUD eCRF

form6c (2 of 7)

Unscheduled

Abdominal Organs Injured

DV6032G

- 1 - Yes
- 2 - No

Splenic Injury-->:

Form6CSpleen #

Spleen Injury Interventions

Other intervention

SpleenInjInterv #

OthSpleenInterv \$255

Add record

Delete record

form6c_spleeninterv

Liver Injury-->:

Form6CLiver #

DV6032G

- 1 - Yes
- 2 - No

Liver Injury Interventions

Other intervention

LiverInjInterv #

OthLiverInterv \$255

Add record

Delete record

form6c_liverinterv

DV2925G

- 0 - No Intervention
- 1 - Splenectomy
- 2 - Sutured splenorrhaphy
- 3 - Use of hemostatic agent(s)
- 4 - Other

DV974G

- 0 - No Intervention
- 1 - Resection
- 2 - Packing
- 3 - Use of hemostatic agent(s)
- 4 - Suture repair
- 5 - Other

Intra-abdominal Injury Annotated PUD eCRF

form6c (3 of 7)

Unscheduled

DV6032G

1 - Yes
2 - No

Stomach Injury-->:

Form6CStomach #

**Stomach
Injury
Interventions**

Other stomach repair (list type)

form6c_stomachinterv

StomachInjInter #

OthStomachInter \$255

Add record

Delete record

Small Intestine Injury-->:

Form6CSmallGI #

**Small
Intestine
Interventions**

Other gastrointestinal repair (list type)

form6c_smintesinterv

SmIntInjInter #

OthSmIntRepair \$255

Add record

Delete record

DV6032G

1 - Yes
2 - No

DV6914G

0 - No Intervention
1 - Stomach resection
2 - Stomach repair
3 - Other stomach repair

DV868G

0 - No Intervention
1 - Bowel resection
2 - Bowel re-anastomosis
3 - Full thickness repair
4 - Serosal repair
5 - Hematoma drainage
6 - Mesenteric repair
7 - Other gastrointestinal repair

Intra-abdominal Injury Annotated PUD eCRF

form6c (4 of 7)

Unscheduled

Large Intestine Injury-->

Form6CLgIntest #

DV6032G

1 - Yes
2 - No

Large Intestine Interventions

Other gastrointestinal repair (list type)

form6c_lgintesinterv

LgIntInjInterv #

OthLgIntRepair \$255

Add record

Delete record

Kidney Injury-->

Form6CKidney #

DV6032G

1 - Yes
2 - No

Kidney Injury Interventions

Other intervention

form6c_kidneyinterv

KidneyInjInterv #

OthKidneyInterv \$255

Add record

Delete record

DV521G

0 - No Intervention
1 - Resection
2 - Other

DV868G

0 - No Intervention
1 - Bowel resection
2 - Bowel re-anastamosis
3 - Full thickness repair
4 - Serosal repair
5 - Hematoma drainage
6 - Mesenteric repair
7 - Other gastrointestinal repair

Intra-abdominal Injury Annotated PUD eCRF

form6c (5 of 7)

Unscheduled

DV6032G

1 - Yes
2 - No

Pancreas Injury-->: Form6CPancreas #

**Pancreas
Injury
Interventions**

Other intervention

PancreasInterv #

OthPanInterv \$255

Add record

Delete record

form6c_pancreasinterv

Gallbladder Injury-->: Form6CGallInj #

**Gallbladder
Injury
Interventions**

Other intervention

GallbladInterv #

OthGallInterv \$255

Add record

Delete record

form6c_gallbladinterv

DV6032G

1 - Yes
2 - No

DV521G

0 - No Intervention
1 - Resection
2 - Other

DV197G

0 - No Intervention
1 - Resection
2 - Drainage
3 - Other

Intra-abdominal Injury Annotated PUD eCRF

form6c (6 of 7)

Unscheduled

DV6032G

1 - Yes
2 - No

Fascial Injury-->:

Form6CFascInj #

**Fascial
Injury
Interventions**

Other intervention

FascialInjInter #

OthFascialInter \$255

Add record

Delete record

form6c_fascialinterv

Urinary Injury-->:

Form6CUnBlad #

**Urinary
Bladder
Injury
Interventions**

Other intervention

UrinaryInterv #

OthUrinaryInterv \$255

Add record

Delete record

form6c_urinaryinterv

DV6032G

1 - Yes
2 - No

DV528G

0 - No Intervention
1 - Repair of bladder injury
2 - Other

DV2078G

0 - No Intervention
1 - Repair of fascia/hernia
2 - Other

Intra-abdominal Injury Annotated PUD eCRF

form6c (7 of 7)

Unscheduled

Other Abdominal Injury-->:

Form6COther #

DV6032G

1 - Yes
2 - No

Other Abdominal Injury (list injury)

OtherAbdInjury \$255

Other Abdominal Injury Interventions

OtherInjInterv #

Other intervention

OthAbInjurInter \$255

DV6915G

1 - No Intervention to the other injury identified
2 - Other

Intra-abdominal Injury Annotated PUD eCRF

form7apancinj_spec (1 of 6)

Laparotomy/Laparoscopy

Did the patient have a laparotomy/laparoscopy procedure? **DV6032G**
 1 - Yes
 2 - No

Laparot # If yes, did the patient have a pancreatic injury? **PancInj #** **LapGrade**
 1 - AAST Grade 1 or 2
 2 - AAST Grade 3, 4, or 5
 3 - Only traumatic finding at laparotomy/laparoscopy is fluid around the pancreas
 93 - Unable to determine pancreatic injury grade by laparotomy/laparoscopy report

LaparotGradeInj #

LapGrade1or2 # If grade 1 or 2, specify: **LapGrade3or4or5 #** If grade 3, 4, or 5, specify:

LapPancDuctStat # Provide pancreatic duct status based on laparotomy/laparoscopy note:
LpPcSt
 1 - Duct transected
 2 - Duct not transected
 3 - Duct status indeterminate despite clear mention of attempt at ascertainment
 4 - Attempt to ascertaining duct status not mentioned in laparotomy/laparoscopy report or medical record

GrdSpcA
 1 - AAST Grade I: Hematoma- minor contusion without duct injury, or Laceration- superficial laceration without duct injury
 2 - AAST Grade II: Hematoma- major contusion without duct injury or tissue loss, or Laceration- major laceration without duct injury or tissue loss
 93 - Unclear if Grade 1 or Grade 2

Abdominal CT

Did the patient have an abdominal CT scan? **DV6032G**
 1 - Yes
 2 - No

AbdCT # If yes, did the patient have a pancreatic injury? **CTPancInj #** **CTGrade**
 1 - AAST Grade 1 or 2
 2 - AAST Grade 3, 4, or 5
 3 - Only CT finding is fluid around the pancreas
 93 - Unable to determine pancreatic injury grade by CT report

CTGradeInj #

CTGrade1or2 # If grade 1 or 2, specify: **CTGrade3or4or5 #** If grade 3, 4, or 5, specify:

CTPancDuctStat # Provide pancreatic duct status based on CT scan:
CTPcSt
 1 - Duct transected
 2 - Duct not transected
 3 - Duct status indeterminate on CT
 97 - No mention of duct status on CT

GrdSpcB
 1 - AAST Grade III: Laceration- distal transection or parenchymal injury with duct injury
 2 - AAST Grade IV: Laceration- proximal transection or parenchymal injury involving ampulla (proximal pancreas is to the patients' right of the superior mesenteric vein)
 3 - AAST Grade V: Massive disruption of pancreatic head
 93 - Unclear if Grade 3, 4, or 5

Intra-abdominal Injury Annotated PUD eCRF

form7apancinj_spec (2 of 6)

Laparot...(0/6)
Abdomin...(0/6)
MRI (0/6)
-- Select to Jump --

Title: MRI

MRI

Did the patient have a MRI? DV6032G
1 - Yes
2 - No

MRI # If yes, did the patient have a pancreatic injury? MRIPancInj #

Grade of injury at MRI MRIGrade
1 - AAST Grade 1 or 2
2 - AAST Grade 3, 4, or 5
3 - Only MRI finding is fluid around the pancreas
93 - Unable to determine pancreatic injury grade by MRI report

Grade Specification

If grade 1 or 2, specify: MRIGradeInj # If grade 3, 4, or 5, specify: MRIGrade3or4or5 #

Provide pancreatic duct status based on MRI:

MRIPancDuctStat # MRIPcSt
1 - Duct transected
2 - Duct not transected
3 - Duct status indeterminate on MRI
97 - No mention of duct status on MRI

GrdSpcA
1 - AAST Grade I: Hematoma- minor contusion without duct injury, or Laceration- superficial laceration without duct injury
2 - AAST Grade II: Hematoma- major contusion without duct injury or tissue loss, or Laceration- major laceration without duct injury or tissue loss
93 - Unclear if Grade 1 or Grade 2

MRI (0/6)
ERCP (0/6)
Enzymes (0/9)
-- Select to Jump --

Title: ERCP

Did the patient have an ERCP (Endoscopic Retrograde Cholangiopancreatography)? DV6032G
1 - Yes
2 - No

ERCP # If yes, did the patient have a pancreatic injury? ERCPancInj #

Grade of injury at ERCP ERCPGrd
1 - AAST Grade 1 or 2
2 - AAST Grade 3, 4, or 5
93 - Unable to determine pancreatic injury grade by ERCP report

Grade Specification

If grade 1 or 2, specify: ERCPGradeInj # If grade 3, 4, or 5, specify: ERCPGrade3or4or5 #

Provide pancreatic duct status based on ERCP:

ERCPancDuctStat # ERCPPcSt
1 - Duct transected
2 - Duct not transected
3 - Duct status indeterminate on ERCP
97 - No mention of duct status on ERCP

GrdSpcB
1 - AAST Grade III: Laceration- distal transection or parenchymal injury with duct injury
2 - AAST Grade IV: Laceration- proximal transection or parenchymal injury involving ampulla (proximal pancreas is to the patients' right of the superior mesenteric vein)
3 - AAST Grade V: Massive disruption of pancreatic head
93 - Unclear if Grade 3, 4, or 5

Intra-abdominal Injury Annotated PUD eCRF

form7apancinj_spec (3 of 6)

ERCP (0/6) Enzymes (0/9) Pancrea...(0/2) -- Select to Jump --

Title: Enzymes

Pancreatic Enzymes

Did the patient have elevated (above normal level at your site) pancreatic enzymes? (Amylase or Lipase)

PancEnz #

If yes, answer the following questions:

Highest Lipase: HighLip # Date: LipDay # (DD-MMM-YYYY) Time: LipTime \$6 #MM)

☐ No lipase measured during ED evaluation or hospitalization NoLip #

Highest Amylase: HighAm # Date: AmDay # (DD-MMM-YYYY) Time: AmTime \$9 #MM)

☐ No amylase measured during ED evaluation or hospitalization NoAm #

Amylase
1 - No amylase measure during the ED evaluation or hospitalization

Lipase
1 - No lipase measured during the ED evaluation or hospitalization

Enzymes (0/9) Pancrea...(0/2) Autopsy (0/6) -- Select to Jump --

Title: Pancreatic Injury

Pancreatic Injury

Was the pancreatic injury identified solely by clinical suspicion of the treating physician? (patient had normal amylase/lipase and normal pancreas on CT scan and/or surgery)

PancInjClin #

If yes, provide reason patient was diagnosed with a pancreatic injury

PancInjReas \$10

DV6032G
1 - Yes
2 - No

Intra-abdominal Injury Annotated PUD eCRF

form7apancinj_spec (4 of 6)

Autopsy (0/6) **Other (0/5)** **-- Select to Jump --**

Title: Autopsy

Autopsy

Did the patient have an autopsy? **AutoPancInj #** **DV6032G**
 1 - Yes
 2 - No

If yes, did the patient have a pancreatic injury? **AtGrd**
 1 - AAST Grade 1 or 2
 2 - AAST Grade 3, 4, or 5
 3 - Only autopsy finding is fluid around the pancreas

AutoGradeInj #

Grade Specification

If grade 1 or 2, specify: **AutoGrade1or2 #** If grade 3, 4, or 5, specify: **AutoGrade3or4or5 #**

Provide pancreatic duct status based on autopsy: **AutoPancDuctStat #** **AtPcSt**
 1 - Duct transected
 2 - Duct not transected
 3 - Duct status indeterminate on autopsy
 97 - No mention of duct status on autopsy

GrdSpcA
 1 - AAST Grade I: Hematoma- minor contusion without duct injury, or Laceration- superficial laceration without duct injury
 2 - AAST Grade II: Hematoma- major contusion without duct injury or tissue loss, or Laceration- major laceration without duct injury or tissue loss
 93 - Unclear if Grade 1 or Grade 2

Other (0/5) **Injury/... (0/11)** **-- Select to Jump --**

Title: Other

Other

Was the pancreatic injury identified by other means? **PancInjOt #** **DV6032G**
 1 - Yes
 2 - No

If yes, specify method: **PancInjOtMethod \$19**

Grade of injury identified by other means

OtGradeInj # **OtGrade**
 1 - AAST Grade 1 or 2
 2 - AAST Grade 3, 4, or 5

Grade Specification

If grade 1 or 2, specify: **OtGrade1or2 #** If grade 3, 4, or 5, specify: **OtGrade3or4or5 #**

GrdSpcB
 1 - AAST Grade III: Laceration- distal transection or parenchymal injury with duct injury
 2 - AAST Grade IV: Laceration- proximal transection or parenchymal injury involving ampulla (proximal pancreas is to the patients' right of the superior mesenteric vein)
 3 - AAST Grade V: Massive disruption of pancreatic head
 93 - Unclear if Grade 3, 4, or 5

form7apancinj_spec (5 of 6)

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Intra-abdominal Injury Annotated PUD eCRF

form7apancinj_spec (6 of 6)

◀ Other (0/5) Injury/... (0/11) **Comments (0/1)** ▶ -- Select to Jump -- ▼

Title: Comments

Provide any additional comments:

Comments \$62

Intra-abdominal Injury Annotated PUD eCRF

form7bgiinj_spec (1 of 5)

<p>GI Inju... (0/4) Stomach (0/4)</p> <p>Title: GI Injury</p> <p>Gastrointestinal Injury</p>		<p>form7bgiinj</p>	
<p>GIInj #</p> <p>Add</p>	<p>GIInj</p> <p>1 - Gastrointestinal injury at laparotomy</p> <p>2 - Gastrointestinal injury identified by laparoscopy</p> <p>3 - Gastrointestinal injury definitively identified on abdominal CT scan (CT demonstrates bowel hematoma, mesenteric hematoma, etc)</p> <p>4 - Gastrointestinal injury by upper gastrointestinal series (contrast enhanced plain films of the upper gastrointestinal tract- stomach and small intestine)</p> <p>5 - Gastrointestinal injury identified MRI</p> <p>6 - Gastrointestinal injury identified on the treating physicians' suspicion</p> <p>7 - Gastrointestinal injury identified at autopsy</p> <p>90 - Gastrointestinal injury identified by other means</p>	<p>If gastrointestinal injury identified by other means, specify:</p> <p>GIInjOt \$82</p> <p>X</p>	
<p>Gastrointestinal Physician</p> <p>GIInjPhys #</p> <p>Add</p>		<p>InjPhys</p> <p>1 - Seat belt sign</p> <p>2 - Persistent vomiting</p> <p>3 - Handlebar injury to abdomen</p> <p>4 - Abdominal pain/tenderness</p> <p>90 - Other</p>	<p>GIInjPhysOt \$70</p> <p>X</p> <p>form7bgiinj_phys</p>

<p>GI Inju... (0/4) Stomach (0/4) Duodenum (0/5)</p> <p>-- Select to Jump --</p>										
<p>Title: Stomach</p> <p>Stomach Injuries</p> <p>Was a stomach injury identified?</p> <p>DV6032G</p> <p>1 - Yes</p> <p>2 - No</p>										
<p>StomInj #</p> <p>Add</p>	<p>If yes, answer the following questions:</p>									
<p>Stomach Injury</p> <table border="1"> <thead> <tr> <th>Provide the type of stomach injury:</th> <th>Method injury identified:</th> <th>If other, specify:</th> </tr> </thead> <tbody> <tr> <td>StomInjTyp #</td> <td>StomMeth #</td> <td>StomMethOt \$24</td> </tr> <tr> <td>X</td> <td></td> <td></td> </tr> </tbody> </table>		Provide the type of stomach injury:	Method injury identified:	If other, specify:	StomInjTyp #	StomMeth #	StomMethOt \$24	X		
Provide the type of stomach injury:	Method injury identified:	If other, specify:								
StomInjTyp #	StomMeth #	StomMethOt \$24								
X										
<p>Type</p> <p>1 - Hematoma</p> <p>2 - Perforation</p> <p>3 - Serosal Tear</p> <p>4 - Devascularization</p>	<p>Method</p> <p>1 - Laparotomy</p> <p>2 - Laparoscopy</p> <p>3 - CT</p> <p>4 - Upper GI</p> <p>5 - MRI</p> <p>6 - Autopsy</p> <p>90 - Other</p> <p>form7bgiinj_stom</p>									

Intra-abdominal Injury Annotated PUD eCRF

form7bgiinj_spec (2 of 5)

GI Inju...(0/4) Stomach (0/4) **Duodenum (0/5)** -- Select to Jump --

Title: Duodenum

Duodenum Injuries

Was a duodenum injury identified? DV6032G
1 - Yes
2 - No

DuodInj # If yes, answer the following questions:

Duodenum Injury

Provide the type of duodenum injury:	Method injury identified:	If other, specify:
DuodInjTyp #	DuodMeth #	DuodMethOt \$41
Add X		

form7bgiinj_duod

Provide duodenal injury grade:
(If multiple injuries, list highest grade)

DuodInjGrade #

Type
 1 - Hematoma
 2 - Perforation
 3 - Serosal Tear
 4 - Devascularization

Method
 1 - Laparotomy
 2 - Laparoscopy
 3 - CT
 4 - Upper GI
 5 - MRI
 6 - Autopsy
 90 - Other

DuoGrd

1 - Grade I: Hematoma- involving single portion of the duodenum

2 - Grade I: Laceration- partial thickness, no laceration

3 - Grade II: Hematoma- involving more than one portion

4 - Grade II: Laceration- disruption < 50% of circumference

5 - Grade III: Laceration- disruption 50-75% circumference of 2nd portion

6 - Grade III: Laceration- disruption 50-100% circumference of 1st, 3rd, 4th portion of the duodenum

7 - Grade IV: Laceration- disruption of > 75% circumference of 2nd portion

8 - Grade IV: Involving ampulla or distal common bile duct

9 - Grade V: Laceration: massive disruption of duodenalpancreatic complex

10 - Grade V: Vascular- devascularization of duodenum

93 - Unable to grade injury (Try to grade the injury and avoid this response)

Intra-abdominal Injury Annotated PUD eCRF

DV6032G
 1 - Yes
 2 - No

SmIntLoc
 1 - Jejunum
 2 - Ileum
 97 - Location not specified

form7bgiinj_spec (3 of 5)

Duodenum (0/5)
Small Int. (0/8)
Colon (0/10)
-- Select to Jump --

Title: Small Intestine
Small Intestine Injuries
 Was a small intestine injury identified? (Non-duodenum)

SmIntInj #

If yes, answer the following questions:

Small Intestine Injury

Provide small intestine injury location:	If Jejunum, specify type:	If Ileum, specify type:	If location not specified, specify
SmIntLoc #	SmIntJeyJTyp #	SmIntIliTyp #	SmIntLocTyp #

form7bgiinj_smint

Method

Method injury identified:	If other, specify:
SmIntInjMeth #	SmIntInjMethOt \$41

form7bgiinj_meth

Provide small intestine injury grade:
 (If multiple injuries, list highest grade)

SmIntGrade #

Method
 1 - Laparotomy
 2 - Laparoscopy
 3 - CT
 4 - Upper GI
 5 - MRI
 6 - Autopsy
 90 - Other

SmInGrd
 1 - Grade I: Hematoma- contusion or hematoma without devascularization
 2 - Grade I: Laceration- partial thickness, no laceration
 3 - Grade II: Laceration- disruption < 50% of circumference
 4 - Grade III: Laceration- disruption >= 50% circumference without transaction
 5 - Grade IV: Laceration- transection of the small bowel
 7 - Grade V: Laceration- transaction of the small bowel with segmental tissue loss
 8 - Grade V: Vascular- devascularized segment
 93 - Unable to grade injury (try to grade injury and avoid this response)

Intra-abdominal Injury Annotated PUD eCRF

form7bgiinj_spec (4 of 5)

Colon (Large Intestine) Injuries

Was a colon injury identified?

ColonInj #

If yes, answer the following questions:

Colon Injury

Provide colon injury location: **ColInjLoc #** (select one)

If Ascending colon, specify type: **ColInjAscTyp #**

If Transverse colon, specify type: **ColInjTranTyp #** (select one)

If Descending colon, specify type: **ColInjDesTyp #**

If Sigmoid colon, specify type: **ColInjSigTyp #** (select one)

If Rectum, specify type: **ColInjRecTyp #**

Method injury identified: **ColInjMeth #**

ColInjMethOt \$13

Provide colon injury grade: **ColInjGrade #** (If multiple injuries, list highest grade)

ColInGrd

1 - Grade I: Hematoma- contusion or hematoma without devascularization

2 - Grade I: Laceration- partial thickness, no laceration

3 - Grade II: Laceration- disruption < 50% of circumference

4 - Grade III: Laceration- disruption >= 50% circumference without transaction

5 - Grade IV: Laceration- transection of the colon

6 - Grade V: Laceration- transection of the colon with segmental tissue loss

7 - Grade V: Vascular- devascularized segment

93 - Unable to grade injury (try to grade the injury and avoid this response)

ColonLoc

1 - Ascending colon

2 - Transverse colon

3 - Descending colon

4 - Sigmoid colon

5 - Rectum

97 - Location not specified

Type

1 - Hematoma

2 - Perforation

3 - Serosal Tear

4 - Devascularization

Method

1 - Laparotomy

2 - Laparoscopy

3 - CT

4 - Upper GI

5 - MRI

6 - Autopsy

90 - Other

form7bgiinj_colon

Mesenteric Injuries

Was a mesenteric injury identified?

MesInj #

If yes, answer the following questions:

Mesenteric Injury

Provide mesenteric injury location: **MesInjLoc #**

If other, specify: **MesInjLocOt \$60**

If Small intestine mesentery, specify type: **MesInjSITyp #**

If Large Intestine mesentery, specify type: **MesInjLITyp #**

Method injury identified: **MesInjMeth #**

MesInjMethOt \$8

MesLoc

1 - Small intestine mesentery

2 - Large intestine mesentery

90 - Other

MesType

1 - Hematoma

2 - Perforation/laceration

3 - Edema

Method

1 - Laparotomy

2 - Laparoscopy

3 - CT

4 - Upper GI

5 - MRI

6 - Autopsy

90 - Other

form7bgiinj_mes

Intra-abdominal Injury Annotated PUD eCRF

form7bgiinj_spec (5 of 5)

◀ Mesente...(0/7) Complic...(0/2) Comments (0/1) ▶ -- Select to Jump -- ▼

Title: Complications

Complications

Provide complication from GI Injury: GIInjComp # GIInjCompOt \$128

If other, specify:

Add

GIComp

- 0 - No complications identified from the GI injury
- 1 - Intra-abdominal abscess (collection of pus/fluid and treated as an abscess by the treating physician)
- 2 - Wound (surgical incision) dehiscence
- 3 - Wound (surgical incision) infection (erythema around or pus from wound considered an infection by treating physician and given antibiotics)
- 4 - Sepsis (as diagnosed by the treating physicians) and caused by the GI injury
- 5 - Post-operative peritonitis
- 6 - External fistula from the GI injury
- 7 - Anatomic disruption of the GI tract
- 8 - Renal failure because of GI injury
- 9 - Death from GI injury
- 90 - Other

◀ Mesente...(0/7) Complic...(0/2) Comments (0/1) ▶ -- Select to Jump -- ▼

Title: Comments

Provide any additional comments:

Comments \$210

Intra-abdominal Injury Annotated PUD eCRF

form7cbladinj_spec (1 of 4)

Urinary...(0/3)		Injury ...(0/4)		Urinary...(0/2)		-- Select to Jump --		form7cbladinj	
Title: Urinary Bladder Injury									
Bladder Injury									
Specify any injuries to the bladder:								If urinary bladder injury identified by other means, specify:	
BladInj #								BladInjOth \$66	
Add									
Specify the bladder injury grade:									
BladInjGrade #									
<p>UrBlad</p> <p>1 - Urinary bladder injury identified by laparoscopy/laparotomy</p> <p>2 - Urinary bladder injury definitively identified on initial abdominal CT scan (CT demonstrates bladder injury)- This is not a CT cystogram (see below)</p> <p>3 - Urinary bladder injury by plain cystogram</p> <p>4 - Urinary bladder injury identified CT cystogram</p> <p>5 - Urinary bladder injury identified by cystoscopy</p> <p>6 - Urinary bladder injury identified by MRI</p> <p>7 - Urinary bladder injury identified at autopsy</p> <p>90 -Urinary bladder injury identified by other means</p>								<p>BlInjGr</p> <p>1 - Grade I: Hematoma: Contusion, intramural hematoma, or Laceration: partial thickness (not completely through the bladder wall)</p> <p>2 - Grade II: Extraperitoneal bladder wall laceration < 2 cm in length</p> <p>3 - Grade III: Extraperitoneal bladder wall laceration > 2 cm in length, Intraperitoneal bladder wall laceration < 2 cm in length</p> <p>4 - Grade IV: Intraperitoneal bladder wall laceration > 2 cm in length</p> <p>5 - Grade V: Laceration (Intraperitoneal or Extraperitoneal laceration that extends into the bladder neck or ureteral orifice (trigone)</p>	
								<p>BlLcLoc</p> <p>1 - Anterior</p> <p>2 - Posterior</p> <p>3 - Lateral</p> <p>4 - Bladder Neck</p> <p>5 - Ureteral Orifice (Trigone)</p> <p>92 - Unknown</p>	
Title: Injury Type									
Bladder Injury Type									
Specify the type of bladder injury:		If extraperitoneal laceration, specify the size of the laceration:		If extraperitoneal laceration, specify the location of the laceration:		If intraperitoneal laceration, specify the size of the laceration:			
BladInjType #		BladExLac #		BladExLacLoc #		BladIntLac #			
Add									
<p>BlInjTy</p> <p>1 - Bladder Hematoma/Contusion</p> <p>2 - Partial Thickness Laceration</p> <p>3 - Extraperitoneal Laceration</p> <p>4 - Intraperitoneal Laceration</p>		<p>BladLac</p> <p>1 - < 2 cm</p> <p>2 - > 2 cm</p> <p>92 - Unknown</p>							

Intra-abdominal Injury Annotated PUD eCRF

form7cbladinj_spec (2 of 4)

Urinary...(0/3) Injury ...(0/4) Urinary...(0/2) -- Select to Jump --

Title: Urinalysis

Provide the results of the urinalysis from the ED

Results: Urinalysis # * If microscopic hematuria, specify the number of RBC/HPF: UrinalysisMicro \$6

Urine
0 - No urinalysis in the ED records
1 - Gross hematuria
2 - Microscopic hematuria
3 - No hematuria

Urinary...(0/2) Complic...(0/2) -- Select to Jump --

Title: Urinary Injury

Urethral Injury

Did the patient have an urethral injury diagnosed?

UrethralInj # DV6032G
1 - Yes
2 - No

Treatment of the Urinary Bladder Injury

Did the patient have a foley catheter placement via the urethra?

TxFoleyCath # If yes, how many days of urethral foley catheter drainage? FoleyCathDays \$116

Did the patient have a suprapubic foley catheter placement?

TxSupFoley # If yes, how many days of suprapubic foley catheter drainage? SubFoleyDays \$13

YNU
1 - Yes
2 - No
92 - Unknown

Did the patient have a laparoscopic repair?

TxLaparscRep # If yes, provide the date: LaparscRepDay # (DD-MMM-YYYY) Was a pelvic drain placed? LaparscRepDrain #

Did the patient have a laparotomy repair?

TxLaparRep # If yes, provide the date: LaparRepDay # (DD-MMM-YYYY) Was a pelvic drain placed? LaparRepDrain #

Was the patient prescribed IV or PO antibiotics?

IVPOAbx #

YNU
1 - Yes
2 - No
92 - Unknown

Intra-abdominal Injury Annotated PUD eCRF

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Urinary...(0/12)
Complic...(0/2)
Follow-...(0/4)
-- Select to Jump --

form7cbladinj_comp

Title: Complications

Complications

Specify the complications occurring during hospitalization:

If other immediate complications, specify:

CompBladInj #

Add

BIComp
 1 - Wound (surgical incision) dehiscence
 2 - Wound (surgical incision) infection (erythema around or pus from wound considered an infection by treating physicians and given antibiotics)
 3 - Post-operative urinary extravasation
 4 - Post-operative hemorrhage from the bladder
 5 - Pelvic infection/abscess
 6 - Abdominal fascial dehiscence presents as persistent drainage from the incision site
 7 - Acute bilateral obstructive uropathy/ Urinary retention
 91 - No complications identified from urinary bladder injury
 90 - Other immediate complications

CompBladInjOt \$23

Complic...(0/2)
Follow-...(0/4)
Comments (0/1)
-- Select to Jump --

Title: Follow-Up

Follow-up of the urinary bladder injury

Did the patient have a follow-up after discharge from the hospital?

FollowUp #

If yes, provide date:

DV6032G
 1 - Yes
 2 - No

FUday #

(DD-MMM-YYYY)

Specify delayed complications documented from follow-up:

FUComp #

If other, specify:

FUCompOt \$30

FUComp
 1 - Delayed bilateral obstructive uropathy
 2 - Urinary retention
 90 - Other delayed complications

Intra-abdominal Injury Annotated PUD eCRF

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◀ **Complic...**(0/2) **Follow-...**(0/4) **Comments** (0/1) ▶ -- Select to Jump -- ▼

Title: Comments

Provide any additional comments:

Comments \$433