

### **CONTEMPORARY MANAGEMENT OF RIGHT UPPER QUADRANT GUNSHOT WOUNDS**

### EAST MULTICENTER STUDY DATA COLLECTION TOOL/DATA DICTIONARY (*definitions in italics*)

Enrolling Center: \_\_\_\_\_\_ Enrolling Co-investigator: \_\_\_\_\_\_

### Demographics

MRN/Study ID #)/	(MRN for local use only, will not be shared
Admission date/time/	(for local use only, will not be shared)
Age (age of subject at til	me of injury)
Sex (sex of subject at bi	rth)
BMI (body mass index of	f subject in kg/m²)

### Initial Emergency Department (ED) Physiology

Heart rate (HR) \_\_\_\_\_ (first recorded HR in ED) Systolic blood pressure (SBP) \_\_\_\_\_ (first recorded systolic blood pressure in ED) Glasgow Coma Scale (GCS) score \_\_\_\_\_ (first recorded GCS score in ED)

Initial ED Laboratory Analysis (first recorded lab values from ED, leave blank if did not obtain)

pH \_\_\_\_\_ Base deficit \_\_\_\_\_ Lactate \_\_\_\_\_ Hemoglobin \_\_\_\_\_ AST \_\_\_\_\_

ALT \_\_\_\_\_ Bilirubin \_\_\_\_\_ INR \_\_\_\_\_

**Initial Blood Product Usage** (first 24 hours from admission, # units/packs)

Whole blood \_\_\_\_\_ Packed red blood cells \_\_\_\_\_ Fresh frozen plasma \_\_\_\_\_ Platelets \_\_\_\_\_

Cryoprecipitate \_\_\_\_\_

Pre-Injury Medical/Medication History (check all that apply)

\_\_\_\_\_Cirrhosis (any previously known diagnosis of cirrhosis or end-stage liver disease whether biopsy proven or not)

- \_\_\_\_\_Chronic kidney disease (pre-admission GFR <90 ml/min/1.73 m<sup>2</sup> or previously known diagnosis of CKD)
  - \_\_\_\_Chronic obstructive pulmonary disease (any previously known diagnosis of COPD)
- \_\_\_\_\_Active use of anticoagulant (vitamin K antagonist, direct thrombin inhibitor, factor Xa inhibitor)
- \_\_\_\_\_Active use of anti-platelet medication (aspirin, clopidogrel, or related medication)
- \_\_\_\_\_Any previous abdominal operation (including open or laparoscopic)
- \_\_\_\_\_Previous thoracotomy or sternotomy

### **Overall Injury Characteristics**

Injury severity score (ISS) \_\_\_\_\_ (numerical value for calculated ISS) Chest abbreviated injury scale (AIS) \_\_\_\_\_ (numerical value for chest AIS) Abdomen AIS \_\_\_\_\_ (numerical value for abdomen AIS) Number of penetrating wounds to RUQ \_\_\_\_\_ (number of ballistic injuries noted in the RUQ during the initial evaluation—see definitions of RUQ in text)

### **Initial ED Management**

FAST obtained \_\_\_\_\_Yes \_\_\_\_\_No (yes if FAST exam performed by any provider during initial evaluation) If yes, positive for intra-abdominal fluid in any abdominal quadrant \_\_\_\_\_Yes \_\_\_\_\_No

Right thoracostomy tube placed in ED \_\_\_\_\_ Yes\_\_\_\_No (yes if a RIGHT sided chest tube was placed in the emergency department during initial evaluation) If yes, indication (check all that apply):

\_\_\_\_\_Hemothorax (any amount of blood in the chest based on imaging and/or chest tube output) \_\_\_\_\_Pneumothorax (diagnosed based on imaging, exam, and/or "rush of air")

If yes, initial blood output (ml) \_\_\_\_\_ (based on initial drainage into collection chamber and/or suction canister. If no hemothorax put "0")

If yes, was thoracic suction evacuation performed \_\_\_\_\_ Yes \_\_\_\_ No (yes if blood from thoracic cavity removed with suction prior to placing chest tube)

If yes, was thoracic irrigation performed \_\_\_\_\_ Yes \_\_\_\_ No (yes if thoracic cavity was irrigated with saline prior to chest tube placement)

### **Post-ED Management**

Abdominal/pelvic computed tomography (CT) scan obtained immediately after ED evaluation \_\_\_\_\_Yes\_\_\_\_No (yes if the decision was made to proceed immediately with CT scanning from the emergency department resuscitation area/trauma bay as opposed to operating room or admission)

If yes, injuries identified (check all that apply, regardless of injury grade): None (if only abdominal wall injured check "none")

lf yes,	
	Active vascular extravasation/blushYesNo (yes if active contrast
	blush/extravasation on contrasted scan. If non-contrasted scan please indicate)
	Hemoperitoneum distant from right upper quadrant (RUQ)YesNo (de
	as remote from area immediately surrounding liver or right kidney)
	PseudoaneurysmYesNo (yes if pseudoaneurysm identified. If non-
	contrasted scan please indicate)
	AAST Grade (AAST grade of liver injury based on CT imaging findings)
Right kic	
It ves.	
lf yes,	
lf yes,	Active vascular extravasationYesNo (see above)
lf yes,	Active vascular extravasationYesNo (see above) Active urinary extravasationYesNoUnknown (urine leak seen
If yes,	Active vascular extravasationYesNo (see above) Active urinary extravasationYesNoUnknown (urine leak seen delayed images. Check "unknown" if delayed images not obtained)
If yes,	Active vascular extravasationYesNo (see above) Active urinary extravasationYesNoUnknown (urine leak seen delayed images. Check "unknown" if delayed images not obtained) PseudoaneurysmYesNo (see above)
If yes,	Active vascular extravasationYesNo (see above)         Active urinary extravasationYesNoUnknown (urine leak seen delayed images. Check "unknown" if delayed images not obtained)         PseudoaneurysmYesNo (see above)         Hemoperitoneum distant from right upper quadrant (RUQ)YesNo (see above)
If yes,	Active vascular extravasationYesNo (see above) Active urinary extravasationYesNoUnknown (urine leak seen delayed images. Check "unknown" if delayed images not obtained) PseudoaneurysmYesNo (see above) Hemoperitoneum distant from right upper quadrant (RUQ)YesNo (see above).
	Active vascular extravasationYesNo (see above)         Active urinary extravasationYesNoUnknown (urine leak seen delayed images. Check "unknown" if delayed images not obtained)         PseudoaneurysmYesNo (see above)         Hemoperitoneum distant from right upper quadrant (RUQ)YesNo (see above)

\_\_\_\_\_Obvious right diaphragm injury (*either diaphragm injury visualized on CT or implied injury if single missile tract with right chest and abdominal injuries identified*)

Pneumoperitoneum \_\_\_\_\_Yes\_\_\_\_No (yes if any amount of penumoperitoneum identified)

Addition injuries (check all that apply, includes ANY grade of injury):

\_\_\_\_Hollow viscus (obvious injury to esophagus, stomach, small bowel, colon/rectum based on CT imaging. This includes obvious bowel mesenteric injuries.)

\_\_\_\_Pancreas

\_\_\_\_\_Major abdominal vascular (*IVC, aorta, iliac arteries/veins, SMV/SMA, portal triad*) Spleen

Bladder/Ureter

Left diaphragm

Left kidney/adrenal gland

Common hepatic duct/common bile duct

# \*\*\*If abdominal injuries identified beyond liver, right kidney/adrenal gland, and/or right diaphragm on CT then stop here\*\*\*

Chest CT scan obtained after trauma bay evaluation \_\_\_\_\_Yes\_\_\_\_No (yes if CT scan obtained after initial resuscitation)

Is yes, injuries identified (check all that apply):

- \_\_\_\_None
  - \_\_\_\_\_Right hemothorax
  - \_\_\_\_\_Right pneumothorax
  - \_\_\_\_\_Right pulmonary contusion
  - \_\_\_\_\_Right lung laceration
  - \_\_\_\_Obvious right diaphragm injury
  - \_\_\_\_\_Rib fracture(s)
  - \_\_\_\_Left sided intra-thoracic injuries
  - \_\_\_\_Cardiac injury
    - \_\_\_\_Other (please specify) \_\_\_\_\_

### \*\*\*If thoracic injuries identified beyond right chest wall, lung, or diaphragm then stop here\*\*\*

Does the patient have spinal cord injury \_\_\_\_\_ Yes \_\_\_\_\_ No (*motor deficit below level of spine injury found on CT/MRI*)

If yes, spine AIS score \_\_\_\_\_ (numerical value for spine AIS)

If yes, please select,

- \_\_\_\_\_ Incomplete paraplegia (complete function of upper extremities, some motor function of lower extremities)
  - \_\_\_\_\_ Complete paraplegia (complete function of upper extremities, no motor function of lower extremities)

\_\_\_\_\_ Incomplete quadriplegia (upper and lower extremity motor deficits with some motor function of upper and/or lower extremities)

Complete quadriplegia (complete loss of motor function in upper and lower extremities)

### **Operative Management**

Initial abdominal operative management immediately from ED or CT scan \_\_\_\_\_Yes\_\_\_\_No (yes if initial plan for operative intervention either from the initial resuscitation in the ED or immediately from the CT scan. This indicates initial plan for operative management)

If yes, please indicate:

\_\_\_\_Laparoscopy \_\_\_\_Laparotomy Laparoscopy converted to laparotomy

\_\_\_\_Other (please specify) \_\_\_\_\_

If yes, reason for initial operative management (check all that apply):

- \_\_\_\_No immediate CT availability
- \_\_\_\_Concerning exam or change in exam
- \_\_\_\_Change in hemodynamics
- \_\_\_\_\_To evaluate trajectory (*without pre-operative CT scan*)
- \_\_\_\_\_Concerning trajectory on CT scan or plain films in ED without obvious injury
- \_\_\_\_\_Injury identified on CT scan requiring operative intervention
- \_\_\_\_\_Surgeon preference
  - \_\_\_\_Other (please specify) \_\_\_\_\_

If yes, details of abdominal operative intervention:

Please select:

\_\_\_\_\_Therapeutic (*injury found and required intervention*)

- \_\_\_\_Non-therapeutic (*injury found but did not require intervention*)
- \_\_\_\_\_Negative (no injuries identified)

Damage control operation \_\_\_\_\_Yes\_\_\_\_No (*fascia not closed, temporary dressing placed for planned return to OR*)

Please indicate the following injuries if present:

Liver injury \_\_\_\_\_Yes\_\_\_\_No

lf yes,

AAST grade (AAST grade based on operative findings)

Visible active bleeding \_\_\_\_\_Yes\_\_\_\_No (active venous or arterial bleeding from liver) Visible active bile leak \_\_\_\_\_Yes\_\_\_\_No (bile seen leaking from liver parenchyma) Management (check all that apply):

- Electrocautery
- \_\_\_\_Argon beam coagulation
- \_\_\_\_\_Topical hemostatic agent
- \_\_\_\_Suture repair
- \_\_\_\_\_Tractotomy with repair
- \_\_\_\_Omental patch/plug
- \_\_\_\_\_Resectional debridement
- \_\_\_\_\_Temporary packing
- \_\_\_\_Cholecystectomy
- \_\_\_\_Other (*please specify*) \_\_\_\_

Diaphragm injury \_\_\_\_\_Yes\_\_\_\_No (*visualized injury to right diaphragm*) If yes,

Able to visualize injury well enough for repair \_\_\_\_\_Yes\_\_\_\_No AAST grade \_\_\_\_\_ (*based on operative findings*) Please indicate:

\_\_\_\_\_ Primary repair (suture only)

\_\_\_\_\_ Mesh repair (utilized mesh of any type)

\_\_\_\_\_ No repair performed (i.e. if unable to visualize or access for repair)

Right kidney injury \_\_\_\_\_Yes\_\_\_\_No

lf yes,

Gerotas fascia explored \_\_\_\_\_Yes\_\_\_\_No (Gerotas fascia opened in any capacity) AAST grade \_\_\_\_\_ (based on operative findings)

Collection system injury \_\_\_\_\_Yes\_\_\_\_No (visualized urine leak)

Management (*check all that apply*):

\_\_\_\_Electrocautery

Topical hemostatic agent Primary repair Partial nephrectomy Nephrectomy Temporary packing Other (please specify) \_\_\_\_ Right adrenal gland injury \_\_\_\_\_Yes\_\_\_\_No Additional injuries (check all that apply, see previous definitions above): Common bile duct or common hepatic duct Hollow viscus Pancreas Major abdominal vascular Spleen Bladder/Ureter Left diaphragm Left kidney Right thoracoabdominal injury \_\_\_\_\_Yes\_\_\_\_No (chest and abdominal injuries with single trajectory found on imaging or intra-operatively or obvious diaphragm injury identified on imaging or intra-operatively) Was a right thoracotomy performed as part of this initial operation \_\_\_\_\_Yes No

Right sided chest tube(s) placed in OR \_\_\_\_\_Yes\_\_\_\_No Intra-abdominal drain(s) placed in OR \_\_\_\_\_Yes\_\_\_\_No

# \*\*\*If abdominal or thoracic injuries identified beyond liver, right kidney/adrenal gland, and/or right diaphragm/lung/chest wall then stop here\*\*\*

### **Post-Operative Management**

If immediate operative intervention from ED or CT scan, was a planned post-operative CT chest and/or abdomen/pelvis performed \_\_\_\_\_Yes\_\_\_\_No\_\_\_\_N/A (*yes if decision was made to empirically order CT scan after operative intervention*)

If immediate operative intervention from ED or CT scan, was angiography performed post-operatively \_\_\_\_\_Yes\_\_\_\_No\_\_\_\_N/A (*yes if angiography, excluding CT angiography, performed within 6 hours of initial operative intervention*)

lf yes,

Active vascular extravasation	_Yes	_No (see definitions ab	ove)
If yes, please indicate:	Liver _	Right Kidney	_Both
PseudoaneurysmYes	_No (see de	efinitions above)	
If yes, please indicate:	Liver _	Right Kidney	Both
Embolization performedYes	₃No		
If Liver, please select:			
		<i>left/right hepatic artery</i> )	
Non-selective (any	branch bey	rond left or right hepatic	
Arteries)			
If Kidney, please select:			
Selective (main ren			
Non-selective (bran	ch beyond	main renal artery)	

## Initial Management (Non-Operative)

Initial trial of non-operative managementYesNo (yes if the decision was made not to proceed to	
operating room/no plan for operative intervention following initial ED resuscitation/imaging)	
If yes, angiography performed initially ( <i>within 6 hours of presentation</i> )YesNo	
If yes, Active vascular extravasationYesNo ( <i>see definitions above</i> )	
If yes, please indicate: LiverRight KidneyBoth	
PseudoaneurysmYesNo (see definitions above)	
If yes, please indicate: LiverRight KidneyBoth	
Embolization performedYesNo	
If Liver, please select:	
Selective (common hepatic or left/right hepatic artery)	
Non-selective (any branch beyond left or right hepatic	
Arteries)	
If Kidney, please select:	
Selective (main renal artery)	
Non-selective (branch beyond main renal artery)	
Failure of non-operative managementYesNo (defined as laparotomy or laparoscopy during index	
admission in patient with initial plan of non-operative management)	
If yes, please indicate:	
Laparotomy Laparoscopy Laparoscopy converted to laparotomy	
If yes, hospital day of intervention (HD 1 is day of admission)	
If yes, reason for operative intervention/failure (check all that apply):	
Ongoing bleeding	
Bile leak	
Intra-abdominal abscess	
Missed bowel injury	
Other ( <i>please specify</i> )	
If yes, please select:	
Therapeutic ( <i>injury found and required intervention</i> ) Non-therapeutic ( <i>injury found but did not require intervention</i> )	
Negative (no injuries identified)	
Damage control operationYesNo (fascia not closed, temporary dressing placed for planne return to OR)	∍d
If laparoscopic, was this a laparoscopic washout and drain placement without additional intervention	
PerformedYesNoN/A (indicates only procedure(s) performed was/were irrigation,	
washout, and placement of drains)	
nacheal, and placement of dramby	
Additional Interventions (check all that apply)	
ERCP	
If yes,	
Total number of procedures (total number of ERCP during initial hospitalization)	
Hospital day of first procedure (HD 1 is day of admission)	
Bile leak of any kind identifiedYesNo (during any of the procedures if more than	1)
Biliary stent placedYesNo ( <i>during any of the procedures if more than 1</i> )	
Deventenceus intre abdeminal ducin placement	
Percutaneous intra-abdominal drain placement	
If yes, Total number of procedures (total number of pareutaneous intra abdominal drains place	od.
Total number of procedures (total number of percutaneous intra-abdominal drains place during initial hospitalization)	₹U
Hospital day of first procedure (HD 1 is day of admission)	
(ID I I S day of autilission)	

	For liver abscessYesNo (indication for any of the procedures if more than 1)
	For intra-abdominal abscessYesNo ( <i>indication for any of the procedures if more than 1</i> )
	For other indication ( <i>please specify</i> )
Percutan If yes,	eous or open chest tube/chest drain placement
-	Total number or procedures ( <i>total number of chest tube/chest drains placed during initial</i> ) Hospital day of first procedure ( <i>HD 1 is day of admission</i> )
Endosco If yes,	pic ureteral stent placement Yes No
<b>y</b> = = ,	Total number of procedures (total number of ureteral stents placed during initial hospitalization).
	Hospital day of first procedure (HD 1 is day of admission)
Percutan If yes,	eous nephrostomy tube placement Yes No
<b>y</b> = = ,	Total number or procedures (total number of nephrostomy tubes placed during initial hospitalization)
	Hospital day of first procedure (HD 1 is day of admission)
Laparoto If yes,	my Yes No
	Total number of procedures (total number of laparotomies performed during initial hospitalization. Includes laparotomy for failure of non-operative management. Does not include take back for open abdomen. Only include if occurred after fascia closed primarily or with mesh) Hospital day of first procedure (HD 1 is day of admission)
	copy Yes No
lf yes,	Total number of procedures (total number of abdominal laparoscopies performed during initial hospitalization. Includes laparoscopies for failure of non-operative management) Hospital day of first procedure (HD 1 is day of admission)
6 hours of adm	al angiography (Does not include CT angiography, do not include angiography performed within ission or within 6 hours of initial operative management as these were included above)
lf yes,	Total number of procedures (total number of angiographic procedures performed during initial hospitalization >6 hours from admission or initial operative intervention)
	Hospital day of first procedure (HD 1 is admission day) Embolization performed YesNo (during any of the procedures if >1 procedure) If Liver, please select (if >1 procedure select the most proximal level only):
	Selective (common hepatic or left/right hepatic artery)
	Non-selective (any branch beyond left or right hepatic Arteries)
	If Kidney, please select ( <i>if</i> >1 <i>procedure select the most proximal level only</i> ): Selective ( <i>main renal artery</i> )
	Non-selective (branch beyond main renal artery)
Thoracot If yes,	omy
ii yoo,	Total number of procedures (Total number of thoracotomy procedures performed during Initial hospitalization)
	Hospital day of first procedure (HD 1 is admission day)

Video assisted thoracoscopic surgery (VATS)

If yes,

- Total number of procedures (Total number of VATS procedures performed during initial Hospitalization)
- Hospital day of first procedure (HD 1 is admission)

Please indicate any additional invasive procedures performed during initial hospitalization (does not include central venous catheters, arterial lines, intubation):

If damage control operative utilized at any point, please indicate total number of operations performed prior to abdominal closure \_\_\_\_\_ (total number of operations performed prior between initial laparotomy up to and including abdominal closure. Do not count initial laparotomy).

### **Other Variables**

Hospital day 3 AST \_\_\_\_\_ ALT \_\_\_\_\_ Bilirubin \_\_\_\_\_ Alkaline phosphatase \_\_\_\_\_ (hospital day 1=admission, *leave blank if did not obtain*)

Hospital day 5 AST \_\_\_\_\_ ALT \_\_\_\_\_ Bilirubin \_\_\_\_\_ Alkaline phosphatase \_\_\_\_\_ (hospital day 1=admission, leave blank if did not obtain)

Hospital day 7 AST \_\_\_\_\_ ALT \_\_\_\_\_ Bilirubin \_\_\_\_\_ Alkaline phosphatase \_\_\_\_\_ (hospital day 1=admission, leave blank if did not obtain)

Hospital length of stay (total number of days spent in the hospital during initial admission)

ICU admission Yes No (yes if patient required any admission to ICU during initial hospitalization) If yes, Intensive care unit length of stay (days) \_\_\_\_\_ (total number of days patient spent in ICU during initial hospitalization)

30 day hospital re-admission \_\_\_\_\_Yes\_\_\_\_ \_\_\_No (yes if patient was admitted to the hospital at least one overnight 30 days or less after initial hospital discharge)

In-hospital mortality \_\_\_\_\_Yes\_\_\_\_No (yes if patient died during initial admission)

Intrathoracic complications during initial hospital stay (check all that apply):

- \_Pneumonia (any pneumonia or presumed pneumonia based on decision to treat with antibiotics)
- Biliary-pleural fistula (based on bilious fluid draining from chest tube/drain and/or imaging/ERCP findings consistent with fistula)
- Retained hemothorax (blood density fluid remaining in chest > 72 hours post chest tube placement based on chest CT AND requiring additional drainage of any modality)
- Empyema (infected chest fluid collection based on imaging, thoracentesis, and/or clinical evaluation)
- Persistent air leak (any air leak persisting 5 days or more from initial chest tube placement)

Intra-abdominal complications during initial hospital stay (check all that apply):

- Bile leak (leak detected based on bilious drainage from abdominal drain and/or leak detected on any imaging modality)
- Liver or gallbladder necrosis (based on imaging and/or intra-operative findings regardless of decision to treat)
- Intra-abdominal abscess (based on imaging or intra-operative findings when applicable. Regardless of decision to drain)
- Delayed hemorrhage (bleeding requiring operative or IR intervention or any blood product transfusion 48 hours or later after initial admission)
- Pseudoaneurysm development (development of renal or hepatic pseudoaneurysm detected on CT or angiography NOT present on initial CT scan)

Missed bowel injury (bowel injury/leak/fistula not detected on initial CT scan or operation, diagnosed on subsequent imaging or operative intervention) Total number of blood products transfused during initial hospitalization (# units/packs): Whole blood Packed red blood cells Fresh frozen plasma Platelets Cryoprecipitate \_\_\_\_\_ Surgical wound infection \_\_\_\_\_Yes\_\_\_\_No\_\_\_\_N/A (superficial or deep cellulitis or supra-fascial abscess based on purulent drainage, cross sectional imaging, and/or positive wound cultures). Abdominal wound evisceration during initial hospitalization \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_N/A (eviscerated abdominal contents noted through abdominal wound requiring operative intervention) Abdominal wound dehiscence during initial hospitalization \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ N/A (separation of abdominal fascia noted on physical exam) C-difficile infection (diagnosed during initial admission based on institution specific stool testing. Not thought to be related to chronic colonization) \_\_\_\_\_Yes\_\_\_\_No Pulmonary embolism Yes No (presumed new PE detected on CT, angiography or V/Q scan regardless of treatment. Diagnosed during initial admission.) Deep vein thrombosis \_\_\_\_\_Yes \_\_\_\_\_No (new DVT diagnosed on US or other means during initial admission and treated with anticoagulation and/or IVC filter placement) Discharge disposition (*please circle*): Home Long-term acute care Acute rehabilitation facility Skilled nursing facility Other (please specify) Total number CT scans (during initial hospitalization. Regardless of use of contrast.) Chest Abdomen/pelvis Total number of abdominal MRI scans (includes MRCP) (during initial hospitalization) Discharged with intra-abdominal drain \_\_\_\_\_Yes\_\_\_\_No (Indicates whether or not patient was discharged from the hospital with indwelling abdominal drain, whether placed intra-operative or percutaneously) Discharged with chest tube/drain Yes No (Indicates whether or not patient was discharged from hospital with indwelling chest tube or drain regardless of time or manner of placement) Pre-Injury Functional/Work Status (these answers should reflect mental and physical function and work status prior to injury). Baseline PROMIS-29 Profile v2.1 (attached). Work status (please circle): Not working (not currently employed in any capacity) Part-time (work less than 30 hours a week) Full-time (work 30 or more hours a week)

**Long-Term Outcomes** (based on phone call 6 months from date of initial hospital discharge +/- two weeks. Can attempt to contact subject up to three times. These answers should reflect physical and mental function and work status at the time of phone call).

PROMIS-29 Profile v2.1 (attached).

Total number hospital re-admissions since the time of initial hospital discharge\_\_\_\_\_ (based on chart review and patient recall. Admission defined as at least 1 night spent in hospital).

Total number of ED visits since initial hospital discharge \_\_\_\_\_ (based on chart review and patient recall. Defined as any visit to any emergency department).

Current Work status (please circle):

Not working (not currently employed in any capacity) Part-time (work less than 30 hours a week) Full-time (work 30 or more hours a week)

## **PROMIS–29** Profile v2.1

## Please respond to each question or statement by marking one box per row.

	Physical Function	Without any difficulty	With a little difficulty	With some difficulty	With much difficulty	Unable to do
PFA11	Are you able to do chores such as vacuuming or yard work?		4	3		
PFA21	Are you able to go up and down stairs at a normal pace?	5	4	$\square$	2 2	
PFA23	Are you able to go for a walk of at least 15 minutes?	5	4	$\square$	2 2	
PFA53	Are you able to run errands and shop?	5	4	$\square$	$\square$	
	<u>Anxiety</u> In the past 7 days	Never	Rarely	Sometimes	Often	Always
EDANX01	I felt fearful	1	2	3	4	5
EDANX40	I found it hard to focus on anything other than my anxiety			3	4	5
EDANX41	My worries overwhelmed me	$\square$	$\square$	3	$\square$	5
EDANX53	I felt uneasy		2	3	4	5
	Depression In the past 7 days	Never	Rarely	Sometimes	Often	Always
EDDEP04	I felt worthless	$\square$	$\square$ 2	3	4	5
EDDEP06	I felt helpless	$\square$	□ 2	3	$\square$ 4	5
EDDEP29	I felt depressed			$\square$	4	5
EDDEP41	I felt hopeless	$\square$	2 2	3	$\square$	5
	<u>Fatigue</u> During the past 7 days	Not at all	A little bit	Somewhat	Quite a bit	Very much
HI7	I feel fatigued	1	2	3	4	5
AN3	I have trouble <u>starting</u> things because I am tired		2 2	3		5

# **PROMIS–29 Profile v2.1**

	<u>Fatigue</u> In the past 7 days	Not at all	A little bit	Somewhat	Quite a bit	Very much
FATEXP41	How run-down did you feel on average?	□ 1	2	3		5
FATEXP40	How fatigued were you on average?	$\square$	$\square$	$\square$	$\square$	5
	<u>Sleep Disturbance</u> In the past 7 days	Very poor	Poor	Fair	Good	Very good
Sleep109	My sleep quality was	5	$\square$	3	$\square$	
	In the past 7 days	Not at all	A little bit	Somewhat	Quite a bit	Very much
Sleep116	My sleep was refreshing	5	4	3		1
Sleep20	I had a problem with my sleep	$\square$	$\square$	3	$\square$ 4	5
Sleep44	I had difficulty falling asleep		$\square$	3	$\square$	5
	Ability to Participate in Social Roles and Activities	Never	Rarely	Sometimes	Usually	Always
SRPPER11 _CaPS	I have trouble doing all of my regular leisure activities with others					
SRPPER18 _CaPS	I have trouble doing all of the family activities that I want to do	□ 5	□ 4	3	2 2	
SRPPER23 _CaPS	I have trouble doing all of my usual work (include work at home)	<b></b> 5	$\square$ 4	$\square$	$\square$ <sub>2</sub>	
SRPPER46 _CaPS	I have trouble doing all of the activities with friends that I want to do	□ 5	$\square$ 4	$\square$ 3		
	Pain Interference In the past 7 days	Not at all	A little bit	Somewhat	Quite a bit	Very much
PAININ9	How much did pain interfere with your day to day activities?					
PAININ22	How much did pain interfere with work around the home?			3	$\square$ 4	□ 5
PAININ31	How much did pain interfere with your ability to participate in social activities?.		2 2	3	$\square$ 4	5
PAININ34	How much did pain interfere with your household chores?		2 2	3		5

## **PROMIS–29 Profile v2.1**

### Pain Intensity In the past 7 day

	In the past 7 days											
Global07	How would you rate your pain on											
	average?	0	1	2	3	4	5	6	7	8	9	10
		No										Worst pain
		pain										imaginable