

## Search Trauma

Search Trauma

Search by Trauma Number  
Trauma Number

Search for patients that meet any of following criteria

ED Arrival Date Between  -

Discharge Date Between  -

Last Name   starts with  contains

First Name   starts with  contains

Medical Record Number

Visit Number

Social Security Number  - -

Created By

Search  
Reset  
Cancel

The trauma record can be searched by any of the above data points or partial data points.

**Social Security Number (SSN)** would like minimum of last 4 of social security number

**Trauma Number (TRAUMA\_NUM)** – can be manually entered

**Medical Record Number (MED\_REC)** Hospital Identifying Number

**Created By (CREATED)** – who is entering this record (i.e., the trauma registrar or trauma coordinator for that facility)

## Trauma Manager

Facility	Trauma Number	Patient Name	Medical Record Number	Visit Number	SSN	EDA Date	Discharge Date	Record Status
0	00000001	SMITH, HAROLD L	123111	111	212-12-1111	01/01/2008	01/15/2008	Closed
0	00000002	SMITH, CHERYL K	1111	12111	192-91-9119	02/01/2008	02/10/2008	Active
0	00000003	MARY, STEWART K	98989	454878	154-87-8784	03/01/2008	03/03/2008	Active
0	00000004	UNDERWOOD, LARRY L	102010	102010	121-20-1018	04/01/2008	04/02/2008	Active
0	00000005	SCHULTEISS, KERRY L	1221111	1222445	212-54-5451	05/01/2008	05/01/2008	Active
0	00000006	BRYANT, BARRY L				06/01/2008	06/04/2008	Active
0	00000007	JONES, KAREN K	121	1121	545-78-1857	07/01/2008	07/10/2008	Active
0	00000008	SMITH, MARK K			213-56-5656	08/01/2008	08/09/2008	Active
0	00000009	ASHTON, MARY	11111	1919181	192-18-1811	09/01/2008	09/04/2008	Closed
0	00000010	TRISTAN, SAMANTHA	1231212454	1212121212	123-24-5451	08/01/2008		Active
0	00000011	JONES, KAREN K	19119191	191919	212-22-2111	07/01/2008		Active
0	00000012	ANTHONY, MARK M	121111	121212	222-22-221	06/01/2008		Active
0	00000013	JONES, GARY A				02/01/2008		Active
0	00000014	STEWART, RUSELL	1212	154811	200-18-1911	01/01/2008		Active
0	00000015	SHORT, MARY K	222255	2222	445-45-4545	02/01/2008		Active

Options are: **Check** data button, **Save** data button, **Save and Exit** data button, **Print** data button, and **Close** data button. **Note;** Clicking on the “Cancel” or the “X” in the upper right of the screen will exit the record with a prompt to confirm the changes. Click on the “save and exit” which will save any changes to the record.

Trauma Manager lets you look at the trauma number, patient name, medical record number, patient visit number, social security number, ED Date of Admission, Discharge Date and Record Status.

**Add** data button allows information to be added into any of these fields

**Edit** data button allows information to be edited into any of these fields

**View** data button allows the record to be viewed but no changes can be made

**Delete** data button allows information to be deleted from any of the fields

**Search** data button allows any part of information to be looked at with complete information or incomplete information

**Show All** data button will show all information for that record

**Close** data button will close and exit that record or that screen that is up

**Previous and Next Arrow keys** will move to the next screen or the previous screen.

**Central Site Record (CS\_RECORD)** downloaded to the State, 1- Yes, 2- No

**Patient Name (PAT\_NAME)** Last, First, Middle and Alias (if applicable)

**Home Residence (PAT\_RES)** Documentation of the type of patient without a home zip code.

- 1 – Homeless
- 2 – Undocumented Citizen
- 3 – Migrant worker
- 4 – Foreign Visitor

**Home Address (PAT\_ADR, PAT\_ADR\_CI, PAT\_ADR\_CO, PAT\_ADR\_ST, PAT\_ADR\_Z, PAT\_ADR\_CY, H\_PHONE)** Street, Apt., City, County, State, Zip, Country, Phone Number

**Medical Record Number (MED\_REC)** Hospital Identifying Number

**Patient Account Number (PAT\_ACT)** – Hospital Account Number

**Source of Trauma System Inclusion Designation (ENTRY\_SYS)**

Identification of the phase of care when Trauma Team Activation occurred

- 1** Prehospital – Trauma Team Activation occurred as a result of Prehospital notice
- 2** Trauma Team Activation (At this Hospital) occurred upon arrival @ ED, no matter how they arrived @ED (walk-in, private vehicle, or change in patient condition) no prior notice until arrival @ ED
- 3** Transfer from Another Acute Care Facility Trauma Team Activation occurred as a result of receiving a patient transfer
- 4** Transfer from another Service (any level Partial/Full/consult) occurred when patient was transferred to Trauma Service from another service (i.e. Orthopedics) within the hospital
- 5** Patients who meet other Trauma Registry Inclusion criteria but no Trauma Team Activation (Restropective Review)

“Not Known” = Information not known to the patient, family or health care provider. This documents that there was an attempt to obtain information but it was unknown by all parties involved at the time of documentation. For example, injury date and time may be documented in the hospital patient record as “Unknown” or “Not Known”.

If “closed” record(s) are changed, they become active again and must be checked and validated to be closed and the information transferable to the State.

**ED Arrival** (EDA\_DATE, EDA\_TIME) – Date and Time of arrival to your facility

**Race** (RACE) – 1 white, 2 –black, 3 – American Indian, 4 – Asian, 5- Other

**Ethnicity** (ETHNICITY) 1- Hispanic or Latino, 2 – Not Hispanic or Latino

**Sex** (SEX) 1- Male, 2- Female

**Date of Birth** (DOB\_TEXT) month, day, year (i.e., 08/03/39)

**Age** (AGE, AGE\_IN\_MONTHS, AGE\_IN\_DAYS) Number can be manually entered or automatically entered

## Prehospital Injury

The screenshot displays the 'Trauma Data Editor' software interface. The window title is 'Trauma Data Editor'. The main menu includes 'Demographics', 'Prehospital', 'Referring Facility', 'Arrival/Admission', 'Filters', 'Procedures', 'Outcome', 'Dx', and 'Custom'. The 'Injury' tab is selected, with sub-tabs for 'Scene Transport', 'Scene Vitals', and 'Prehospital Memo'. The form contains the following data:

- Cause of Injury:** Primary E 810.0 MVA Traffic, Collision w/ Train - Driver of MV, Non MC. Specify CAR HIT BY TRAIN.
- Place of Injury:** E849. 5 Street. Specify RAILROAD INTERSECTION.
- Injury Date/Time:** 01/01/2008 @ 10:00. Work Related Y.
- Patient's Occupational Industry:** 8 Construction. Occupation 2 Architecture and Engineering.
- Protective Devices:** 2 Seatbelt, 4 Airbag.
- Child Specific Restraint:** Airbag Deployment 2 Airbag Deployed Front.
- Injury Type:** 1 Blunt. Intent 3 Accidental.
- Blunt Injury Cause:** 1 Motor Vehicle Accident. Penetrating Injury Cause.
- Percent TBSA 2nd or 3rd degree burned:** %.
- Injury Location:** Zip 21222, City Dagmar, County 3000 Beaverhead, State MT Montana, Country 2, Region 2 Central.

The bottom of the window features a toolbar with 'Check', 'Save', 'Save and Exit', 'Print', 'Close', 'Prev', and 'Next' buttons. The status bar shows 'Trauma Number: 1' and 'Arrival Date: 1/1/2008'.

**Causes of Injury – Primary (E\_CODE)** – Use E-code from ICD-9 Coding Manual – or use drop down menu option of the registry

**Specify (CAUSE\_INJ)** – give details – (can query injuries based on text in this script)

**Causes of Injury – Secondary (E\_CODE\_2)** – Use E-Code from ICD-9 Coding Manual – or use drop down menu option of the registry

**Specify – (CAUSE\_INJ2)** - give details – (can query injuries based on text in this script)

**Place of Injury (E849\_X)**

- |                |                             |
|----------------|-----------------------------|
| 0 – Home       | 5 - Street                  |
| 1 – Farm       | 6 – Public Building         |
| 2 – Mine       | 7 – Residential Institution |
| 3 – Industry   | 8 - Other                   |
| 4 – Recreation | 9 – Unspecified             |

**Specify (PLACE\_INJ)** – location, address or description

**Injury Date and Time (INJ\_DATE, INJ\_TIME)**

**Work Related (WORK\_RELAT)** – 1- yes, 2 – no

**Patient’s Occupational Industry (PT\_OCC\_IND)** – The occupational industry associated with the patient’s work environment

- |   |                                  |
|---|----------------------------------|
| 1 – Finance, Insurance and Real Estate  | 8 – Construction                 |
| 2 – Manufacturing                       | 9 – Government                   |
| 3 – Retail Trade                        | 10- Natural Resources and Mining |
| 4 – Transportation and Public Utilities | 11 – Information Services        |
| 5 – Agriculture, Forestry, Fishing      | 12 – Wholesale Trade             |
| 6 – Professional and Business Services  | 13 – Leisure and Hospitality     |
| 7 – Education and Health Services       | 14 – Other Services              |

**Occupation (PT\_OCC)** – The occupation of the patient

- |   |  |
|---|--|
| 1 – Business and Financial                      | 13 – Computer and Mathematical                     |
| 2 – Architecture and Engineering                | 14 – Life, Physical, and Social Science            |
| 3 – Community and Social Services               | 15 – Legal   |
| 4 – Education, Training and Library             | 16 – Arts, Design, Entertainment, Sports and Media |
| 5 – Healthcare Practitioners and Technical      | 17 – Healthcare Support                            |
| 6 – Protective Service                          | 18 – Food Preparation and Serving                  |
| 7 – Building, Grounds, Maintenance and Cleaning | 19 – Personal Care and Service                     |
| 8 – Sales                                       | 20 – Office and Administrative Support             |
| 9 – Farming, Fishing and Forestry               | 21 – Construction and Education                    |
| 10- Installation, Maintenance and Repair        | 22 – Production                                    |
| 11 – Transportation and Material Moving         | 23 – Military Specific                             |
| 12 – Management                                 |  |

**Protective Devices (PROT\_DEVS\_LIST, PROT\_DEV\_O)**

- |                |  |
|----------------|--|
| 1 – none used  |  |
| 2 – seatbelt   | 6 - other  |
| 3 – child seat | 7 – inappropriate = protective device is <u>Not applicable</u> to this patient |
| 4 – airbag     |  |
| 5 – helmet     |  |

**Airbag Deployment (AIR\_DEPLOY)** – the indication of an airbag deployment and where in the vehicle deployed from

- |                           |  |
|---------------------------|--|
| 1 – Airbag Not Deployed   | 3 – Airbag Deployed Side                     |
| 2 – Airbag Deployed Front | 4 – Airbag Deployed other (airbelt, curtain) |

**Injury Type (INJ\_TYPE)**

- |                 |            |
|-----------------|------------|
| 1 – Blunt       | 3 – Burn   |
| 2 – Penetrating | 4 – Anoxic |

**Intent (INTENT)**

1 – Intentional – Self inflicted

2 – Intentional – Assault

3 – Accidental

**Blunt Injury Cause (BLUNT\_INJ\_C)**

1 – Motor Vehicle Crash

2 – Fall

3 – Assault

4 – Motorcycle/ATV/snowmobile

5 – Pedestrian

6 - Bicycle

7 – Horse related

9 – Other

**Penetrating Injury Cause (PENT\_INJ\_C)**

1 – Knife

2 – handgun

3 – Shotgun/rifle

4 – Other

**Percent TBSA 2<sup>nd</sup> and 3<sup>rd</sup> Degree Burn (BURN\_SIZE) enter the percent**

**Injury Date and Time (INJ\_DATE, INJ\_TIME)**

**Injury Location (LOC\_CITY, LOC\_CNTY, LOC\_STATE, LOC\_ZIP)**

**City, County, State, Zip**

**Region (LOC\_REGION) (see Montana Cities/Counties/RTAC regions list attached)**

1 – East, 2 – Central, 3 – Western

**Prehospital Scene Transport**

**Trauma Data Editor**

Demographics Prehospital Referring Facility Arrival/Admission Filters Procedures Outcome Dx Custom

Injury Scene Transport Scene Vitals Prehospital Memo

	First Transport	Second Transport
Mode	1 Ambulance	/ n/a
Mode If Other		
Service Number	3820002 Babb-St. Mary EMS	
Report Available / Number	Y / 123	/
Highest Level of Care	3 Basic/Non-Professional	
Call Received	01/01/2008 @ 11:02	@ :
Call Dispatched	01/01/2008 @ 11:05	@ :
En Route	01/01/2008 @ 11:07	@ :
Arrive at Scene	01/01/2008 @ 11:09	@ :
Arrive at Patient	01/01/2008 @ 11:11	@ :
Trauma Team Activated by EMS	01/01/2008 @ 11:15	@ :
Meeting Location		
Left for Meeting Location	@ :	@ :
Arrive at Meeting Location	@ :	@ :
Patient Leave for Destination		01/01/2008 @ 11:20
Time Arrive at Destination		01/01/2008 @ 11:40

View Summary

Check Save Save and Exit Print Close Prev Next

Trauma Number: 1 Arrival Date: 1/1/2008

**First Transport (TRANSP\_S, TRANS\_S\_O)**

1 – Ambulance

2 – Helicopter

3 – Fixed Wing

4 – Police

5 – Public Safety (Fire, Search/rescue)

6 – Private Vehicle

7 – Walk In

8 – Other

**Service Number (MED\_UNIT\_S) use the drop down menu**

**Report Available (REP\_SCENE) – 1 – yes, 2 – no**

**Report Number (AMB\_REP\_S)**

**Call Received – Date and Time (PREDATE\_C, PRETIME\_C)**

**Call Dispatched – Date and Time (PREDATE\_D, PRETIME\_D)**

**En Route (to scene) – Date and Time (PREDATE\_E, PRETIME\_E)**

**Arrive at scene – Date and Time (PREDATE\_A, PRETIME\_A)**

**Arrive at patient – Date and Time** (PREDATE\_P, PRETIME\_P)

**Trauma Team Activated – Date and Time** (PREDATE\_T, PRETIME\_T)

Enter Second Transport Infor if relevant – if none, then it enter to bypass

**Patient Leave (scene) for Destination – Date and Time** (PREDATE\_L, PRETIME\_L)

**Time Arrive at Destination – Date and Time** (PREDATE\_H, PRETIME\_H)

**View Summary** (TOTAL\_DISPATCH\_SCENE, TOTAL\_SCENE\_TIME, TOTAL\_PT\_CONTACT, TOTAL\_ENROUTE\_MEET, TOTAL\_DELAY, TOTAL\_TRANSPORT, TOTAL\_PREHOSP\_TIME) allows you to view the prehospital times

**Second Transport** (transp\_2,\_O)

1 – Amulance

5 – Public Safety (Fire, Search/Rescue)

2 – Helicopter

6 – Private Vehicle

3 – Fixed Wing

7 – Walk In

4 – Police

8 – Other

**Service Number** (MED\_UNIT\_2)

**Report Available** (REP\_2) 1- yes, 2 – no

**Report Number** (AMB\_REP\_2)

**Call Received – Date and Time** (PREDT2\_C, PRETM2\_C)

**Call Dispatched – Date and Time** (PREDT2\_D, PRETM2\_D)

**Meeting (rendezvous) Location** (MEET\_LOC)

**Left for Meeting Location First Transport – Date and Time** (PREDATE\_M, PRETIME\_M)

**Arrive at Meeting Location First Transport – Date and Time** (PREDATE\_X, PRETIME\_X)

**Left for Meeting Location Second Transport – Date and Time** (PREDT2\_E, PRETM2\_E)

**Arrive at Meeting Location Second Transport – Date and Time** (PREDT2\_A, PRETM2\_A)

## Prehospital Scene Vitals

**Trauma Data Editor**

Demographics Prehospital Referring Facility Arrival/Admission Filters Procedures Outcome Dx Custom

Injury Scene Transport Scene Vitals Prehospital Memo

Time Recorded 11:12

Were paralytic agents in effect?  Y

Intubated, Method of Intubation  Y 2 Oral ETT If Other

Intubated Date & Time 01/01/2008 @ 11:12 Number of Attempts 1

Bagging or Ventilator  N

SaO2 n/a

Supplemental Oxygen 2 Supplemental Oxygen GCS: Eye / n/a

Pulse Rate/min. 80 Verbal / n/a

Respiratory Assistance 1 Unassisted Respiratory Rate Motor / n/a

Unassisted Respiratory Rate/min. 45 GCS na RTS

Assisted Respiratory Rate/min.

Systolic Blood Pressure 90 Obstruction to Patient's Eyes

Triage Rationale: 3 Mechanism of Injury

Was patient extricated?  Y Time Required 20 Mins

Check Save Save and Exit Print Close Prev Next

Trauma Number: 1 Arrival Date: 1/1/2008

### Scene Vitals

**Time Recorded** (TIME\_REC\_S)

**Were Paralytic Agents in Effect?** (PAR\_AGNT\_S) 1- yes, 2 – no

**Intubated?** (INTUBAT\_S) 1 –yes, 2 – no

If Yes : **Method** (INTUBAT\_SO)

1 – Nasal ETT 6 – Tracheostomy

2 – Oral ETT 7 – Cricothyrotomy

3 – ETT Route not specific 8 – Combitube

4 – Unintentional Esophageal Intubation

**Intubated – Date and Time** (INTUBAT\_D, INTUBAT\_T)

**Bagged/Ventilated** (ASSI\_ONV\_S) 1- yes, 2 – no

**SA02** (SA02\_S) – initial number obtained

**Supplemental Oxygen** (SUPP\_0)

1 – no supplemental oxygen, 2 – yes supplemental oxygen

**Pulse Rate** (PULSE\_S) initial number obtained

**Respiratory Assistance** (RESP\_RAT\_S)

1 – unassisted respiratory rate, 2 – assisted respiratory rate

**Unassisted Respiratory Rate/min** (RESP\_RAT\_S) initial number obtained

**Assisted Respiratory Rate/min** (ASSIST\_RESP\_RAT\_S) initial number obtained

**Systolic BP** (SYS\_BP\_S) – initial number obtained

**Glasgow Coma Scale (GCS) (Eye, Verbal, Motor, Total)** (EYE\_OPNG\_S, VER\_RESP\_S, MOT\_REP\_S, GCS\_S) – initial number obtained

**Obstruction to Patient's Eyes** (OBS\_PT\_EYE) – (cannot see out of eyes, taped shut)

1 – yes, 2 – no

**Triage Rationale** (TRIAGE\_LIST)

1 – Physiologic

4 – Age

2 – Anatomy of Injury

5 – Co-morbid condition

3 – Mechanism of Injury

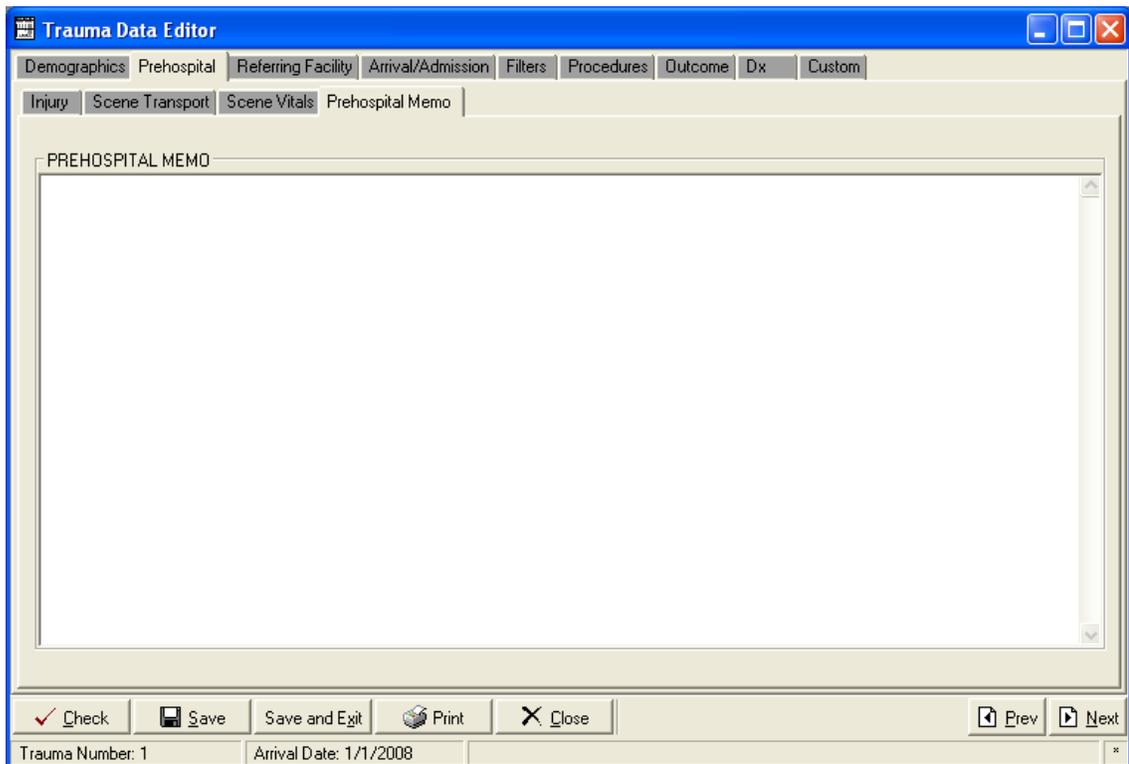
6 – Gut feel

**Patient Extricated** (EXTRICATE)

1 – yes, 2 – no

If yes: **Time Required** (EXTRC\_TIME) – enter time in minutes

## Prehospital Memo



The image shows a screenshot of the 'Trauma Data Editor' software interface. The window title is 'Trauma Data Editor'. The main menu bar includes 'Demographics', 'Prehospital', 'Referring Facility', 'Arrival/Admission', 'Filters', 'Procedures', 'Outcome', 'Dx', and 'Custom'. Below this, a sub-menu bar highlights 'Prehospital Memo' among other options like 'Injury', 'Scene Transport', and 'Scene Vitals'. The central area is a large text input field labeled 'PREHOSPITAL MEMO'. At the bottom, there is a toolbar with buttons for 'Check', 'Save', 'Save and Exit', 'Print', and 'Close', along with 'Prev' and 'Next' navigation buttons. The status bar at the very bottom displays 'Trauma Number: 1' and 'Arrival Date: 1/1/2008'.

**Prehospital Memo** (NOTES\_PRE) - enter any relevant information that occurred prehospital

# Referring Facility

The screenshot shows the 'Trauma Data Editor' window with the 'Referring Facility' tab selected. The 'Referring Facility' sub-tab is active, displaying the following fields and controls:

- Interfacility Transfer:** A dropdown menu with 'N' selected.
- Hospital:** A dropdown menu.
- Facility Type:** A dropdown menu.
- City:** A dropdown menu.
- Transfer Rationale:** A dropdown menu.
- Arrival:** A date and time picker.
- Departure:** A date and time picker.
- Late Referral:** A list of checkboxes.

The status bar at the bottom indicates 'Trauma Number: 1' and 'Arrival Date: 1/1/2008'.

## **Interfacility Transfer (INTER\_TRANS) –**

1 – yes, 2 – no

**Hospital (REF\_HOSP) –** Select the letter of the City and choose the appropriate hospital from the drop down menu

## **Facility Type (REF\_FAC)**

1 – Emergency Department (most facilities will fall into this category)

6 – Inpatient – (Acute Rehab)

7 – Inpatient – (Acute Care from an inpatient floor, other than rehab)

8 – not documented

## **City (REF\_HOSP\_C)**

## **Transfer Rationale (TRANS\_RAT)**

AA – Physician/Medical

BC – Patient/Economic

AB – Physician/Personal

CA – Payor/Medical

AC – Physician/Economic

CB – Payor/Personal

BA – Patient/Medical

CC – Payor/Economic

BB – Patient/Personal

**Arrival – Date and Time (DATE\_REF\_AR & TIME\_REF\_AR)**

**Departure – Date and Time (DATE\_REF\_DP & TIME\_REF\_DP)**

**Late Referral (LATE\_REF\_LIST) -** Example: Transferred out >4 hrs after arrival at facility and are reviewed at RTAC meetings

1 – Admitted

3 – Delay in Initiating Transfer

2 – Surgery

4 – Delay in Transport

# Referring Facility Vitals

## Referring Facility Vitals

**Time Recorded** (TIME\_REC\_R)

**Temperature / Units** (TEMP\_R, TEMP\_R\_U, TEMP\_R\_F, TEMP\_R\_C)

1 – Fahrenheit

2 – Celsius

**Route** (TEMP\_R\_R)

1 – Tympanic

4 – Rectal

2- Oral

5 - Foley

3 – Axillary

5 – Other

**Were Paralytic Agents in Effect?** (PAR\_AGNT\_R) 1 – yes, 2 – no

**Intubated?** (INTUBAT\_R) 1 – yes, 2 – no

If YES: **Method** (INTUBAT\_RO)

1 – Nasal ETT

6 – Tracheostomy

2 – Oral ETT

7 – Cricothyrotomy

3 – ETT Route not specified

8 – Combitube

5 – Unintentional Esophageal intubation

9 – Other

**Intubated – Date and Time** (INTUBAT\_R\_D, INTUBAT\_R\_T)

**Number of Attempts with intubation** (INTUBAT\_R\_A) – numerical value

**Bagging or Ventilator** (ASSI\_ONV\_R) 1- yes, 2 – no

**SAO2** (SAO2\_R) – initial number obtained

**Supplemental Oxygen** (SUPP\_O\_R) 1- yes, 2 – no

**Pulse Rate** (PULSE\_R) – initial number obtained

**Respiratory Assistance** (RESP\_A\_R) 1 – yes, 2 – no

**Unassisted Respiratory Rate/min** (RESP\_U\_RAT\_R) - initial number obtained

**Assisted Respiratory Rate/min** (RESP\_A\_RAT\_R) - initial number obtained

**Systolic BP** (SYS\_BP\_R) – initial number obtained

**Glasgow Coma Scale (GCS) (Eye, Verbal, Motor, Total)** (EYE\_OPNG\_R, VER\_RESP\_R, MOT\_REP\_R, GCS\_R) – initial number obtained

**Obstruction to Patient's Eyes** (OBS\_PAT\_EYE\_R) 1- yes, 2 – no

**Alcohol Use Indicator** (ETOH\_USE\_I\_R)

1 – No, (not suspected or tested)

3 – Yes, (confirmed by test, trace)

2 – No, (confirmed by testing)

4 – Yes, (confirmed by test, beyond legal limit)

**ETOH/BAC (ETHO\_BAC\_R) – numerical value**

**Drug Use Indicators (DRUG\_USE\_I\_R)**

- |                                   |   |
|-----------------------------------|---|
| 1 – No, (not suspected or tested) | 3 – Yes, (confirmed by test, prescription drug) |
| 2 – No, (confirmed by testing)    | 4 – Yes, (confirmed by test, illegal use drug)  |

**Drug Screen (DRUGS\_R\_LIST, DRUG\_R\_O)**

- |                             |   |
|-----------------------------|---|
| 02 – Cannabis               | 07 – Narcotics (morphine, Demerol, loratab)       |
| 03 – Cocaine                | 08 – Amphetamines (crank, speed, methamphetamine) |
| 04 – PCP                    | 09 – Lidocaine                                    |
| 05 – Valium                 | 10 – Benzodiazepine (Ativan)                      |
| 06 – Barbiturates (seconal) | 11 - Other  |

## Referring Facility Transport

**Trauma Data Editor**

Demographics Prehospital Referring Facility **Arrival/Admission** Filters Procedures Outcome Dx Custom

Referring Facility Referring Facility Vitals Referring Facility Transport

	First Transport	Second Transport
Mode	<input type="text" value="1"/>	<input type="text" value=""/>
If Other	<input type="text" value=""/>	<input type="text" value=""/>
Service Number	<input type="text" value=""/>	<input type="text" value=""/>
Report Available	<input type="checkbox"/>	<input type="checkbox"/>
Report ID Number	<input type="text" value=""/>	<input type="text" value=""/>
Highest Level of Care	<input type="text" value=""/>	<input type="text" value=""/>
Call Received	<input type="text" value=""/> [Z] @ :	<input type="text" value=""/> [Z] @ :
Call Dispatched	<input type="text" value=""/> [Z] @ :	<input type="text" value=""/> [Z] @ :
En Route	<input type="text" value=""/> [Z] @ :	<input type="text" value=""/> [Z] @ :
Arrive at Referring Facility	<input type="text" value=""/> [Z] @ :	<input type="text" value=""/> [Z] @ :
Arrive at Patient	<input type="text" value=""/> [Z] @ :	<input type="text" value=""/> [Z] @ :
Meeting Location	<input type="text" value=""/>	<input type="text" value=""/>
Left for Meeting Location	<input type="text" value=""/> [Z] @ :	<input type="text" value=""/> [Z] @ :
Arrive at Meeting Location	<input type="text" value=""/> [Z] @ :	<input type="text" value=""/> [Z] @ :
Patient Leave for Destination	<input type="text" value=""/> [Z] @ :	<input type="text" value=""/> [Z] @ :
Time Arrive at Destination	<input type="text" value=""/> [Z] @ :	<input type="text" value=""/> [Z] @ :

✓ Check    Save    Save and Exit    Print    Close    Prev    Next

Trauma Number: 1    Arrival Date: 1/1/2008

### First Transport Mode (TRANSP\_R, TRANSP\_R\_O)

- |                |   |
|----------------|---|
| 1 – Ambulance  | 5 – Public Safety (Fire, Search/rescue) |
| 2 – Helicopter | 6 – Private Vehicle                     |
| 3 – Fixed Wing | 7 – Walk In                             |
| 4 – Police     | 8 – Other                               |

### Service Number (MED\_UNIT\_R)

**Report Available** (REP\_TRANS) 1 – yes, 2 – no

**Report ID Number** (AMB\_REP\_R) - use drop down menu according to City first, the agency

**Call Received – Date and Time** (REFDATE\_C, REFTIME\_C)  
**Call Dispatched – Date and Time** (REFDATE\_D, REFTIME\_D)  
**En Route (to scene) – Date and Time** (REFDATE\_E, REFTIME\_E)  
**Arrive at referring facility – Date and Time** (REFDATE\_A, REFTIME\_A)  
**Arrive at Patient – Date and Time** (REFDATE\_P, REFTIME\_P)  
**Left for Meeting Location First Transport – Date and Time** (REFDATE\_M, REFTIME\_M)  
**Arrive at Meeting Location First Transport – Date and Time** (REFDATE\_X, REFTIME\_X)  
**Patient Leave for Destination – Date and Time** (REFDATE\_PAT\_L, REFTIME\_PAT\_L)

**Time Arrive at Destination – Date and Time** (REFDATE\_H, REFTIME\_H)

**Second Transport Mode** (TRANSP\_R2, TRANSP\_RO2)

1 – Ambulance	5 – Public Safety (Fire, Search/Rescue)
2 – Helicopter	6 – Private Vehicle
3 – Fixed Wing	7 – Walk In
4 – Police	8 – Other

**Service Number** (MED\_UNITR2)

**Report Available** (REP\_TRANS2) 1- yes, 2 – no

**Report ID Number** (AMB\_REP\_R2)

**Call Received – Date and Time** (REFDT2\_C, REFTM2\_C)

**Call Dispatched – Date and Time** (REFDT2\_D, REFTM2\_D)

**Meeting (rendezvous) Location (for transfer)** (REF\_MEET)

**Left for Meeting Location Second Transport – Date and Time** (REFDT2\_E, REFTM2\_E)

**Arrive at Meeting Location Second Transport – Date and Time** (REFDT2\_A, REFTM2\_A)

**Patient Leave for Destination – Date and Time** (REFDATE\_PAT\_L, REFTIME\_PAT\_L)

**Time Arrive at Destination – Date and Time** (REFDATE\_H, REFTIME\_H)

# Arrival Admission/ED

## Admission Status (ADM\_STATUS)

- 1 – Trauma Consult (Used for non-activations where patient is seen by a surgeon but not admitted)
- 2 – Readmission
- 3 – Non-Trauma Service (not an activation and not seen by the trauma service in the ED)
- 4 – Trauma Team Activation Partial (most players and trauma surgeon has seen pt in ED at some time)
- 5 – Trauma Team Activation Full (all hands on deck for that facility including Surgeon)
- 6 – Direct Admit – (Not seen in the ED and admitted directly to the in-patient floor)

## ED/Facility Arrival – Date and Time (EDA\_DATE, EDA\_TIME)

**ED Departure/Admitted – Date and Time (EDD\_DATE, EDD\_TIME)** – the time the patient left the ED to home or was admitted to the in patient floor

## Time in Emergency Department in minutes (ED\_MINUTES)

**Trauma Team Activation Time (TIME\_TR\_TM\_A)** – this will be bypassed if Trauma Team Activation Partial or Full was not selected

## Members Late or Absent for Trauma (TEAM\_ABS\_LIST)

## Initial CT Scan – Date and Time (DATE\_CT, TIME\_CT)

## Location (CT\_LOC)

- |                        |                             |
|------------------------|-----------------------------|
| 0 – none               | 3 – CT Scan of Thorax       |
| 1 – CT Scan of Head    | 4 – CT Scan of Neck         |
| 2 – CT Scan of Abdomen | 5 – CT Scan of Trauma Torso |

(if other then free text)

**Results (CT\_RES)** 1 – positive, 2 – negative

## Abdominal Evaluation – Date and Time (ABD\_DATE, ABD\_TIME)

## Type (ABD\_TYP)

- 1 – CT
- 2 – DPL
- 3 – Ultrasound

**Results (ABD\_RES)** 1- positive, 2 – negative

## Base Deficit/Excess (BASE\_DEF)

# ED Arrival Admission/Vitals

**Time Recorded** (TIME\_REC\_A) – time vital signs documented

**Temperature/Units** (TEMP\_A\_U, TEMP\_A\_F, TEMP\_A\_C)

1 – Fahrenheit, 2 – Celsius

**Route** (TEMP\_A\_R)

1 – Tympanic                      4 – Rectal  
2 – Oral                              5 – Foley  
3 – Axillary                        6 – Other

**Were Paralytic Agents in Effect?** (PAR\_AGNT\_A) 1 – yes, 2 – no

**Intubated?** (INTUBAT\_A) 1 – yes, 2 – no

If yes, **Method** (INTUBAT\_AO)

1 – Nasal ETT                      6 – Tracheostomy  
2 – Oral ETT                        7 – Cricothyrotomy  
3 – ETT Route not specified    8 – Combitube  
5 – Unintentional Esophageal Intubation

**Intubated – Date and Time** (INTUBAT\_D, INTUBAT\_T)

**Number of Attempts** (INTUBAT\_N\_A) – numerical value

**Bagging or Ventilator** (ASSI\_ONV\_A) 1 – yes, 2 – no

**SaO2** (SA02\_A) – initial number obtained

**Supplemental Oxygen** (SUPP\_O\_A) 1 – yes, 2 – no

**Pulse Rate** (PULSE\_A) – initial number obtained

**Respiratory Assistance** (RESP\_A) 1 – yes, 2 – no

**Unassisted Respiratory Rate/min** (RESP\_RAT\_A) – initial number obtained

**Assisted Respiratory Rate/min** (RESP\_RAT\_X) - initial number obtained

**Systolic BP** (SYS\_BP\_A) - initial number obtained

**Glasgow Coma Scale (GCS) (Eye, Verbal, Motor)** (EYE-OPNG\_A, VER\_RESP\_A, MOT\_REP\_A, GCS\_A) - initial number obtained

**Revised Trauma Score (RTS)** (RTS\_A)

**Obstruction to Patient's Eyes** (OBSTRUCT\_PAT\_EYE) 1 – yes, 2 – no

**Alcohol Use Indicators (ETOH\_USE\_A)**

- |                                   |  |
|-----------------------------------|--|
| 1 – No, (not suspected or tested) | 3 – Yes, (confirmed by test, trace)                  |
| 2 – No, (confirmed by test)       | 4 – Yes, (confirmed by test, beyond the legal limit) |

**ETOH/BAC (ETOH\_BAC\_A)**

**Drug Use Indicators (DRUGS\_USE\_A)**

- |                                   |  |
|-----------------------------------|--|
| 1 – No, (not suspected or tested) | 3 – Yes, (confirmed by test, trace)                  |
| 2 – No, (confirmed by test)       | 4 – Yes, (confirmed by test, beyond the legal limit) |

**Drug Screen (DRUGS\_A\_LIST, DRUG\_A\_O)**

- |                             |   |
|-----------------------------|---|
| 02 – Cannabis               | 07 – Narcotics (morphine, Demerol, loratab) |
| 03 – Cocaine                | 08 – Amphetamines (crank, methamphetamine)  |
| 04 – PCP                    | 09 – Lidocaine                              |
| 05 – Valium                 | 10 – Benzodiazepine (Ativan)                |
| 06 – Barbiturates (seconal) | 11 – Other                                  |

## ED Arrival Admission/Trauma Team Consults

**Trauma Data Editor**

Demographics Prehospital Referring Facility Arrival/Admission Filters Procedures Outcome Dx Custom

ED Arrival/Admission Vitals Trauma Team/Consults Blood Products ED Discharge/Admission ED Memo Nurse Memo In-Hospital Memo

	Called	Arrived	Time to Arrive
Attending Trauma MD	999999 Remove this entry after cu	13:00	13:20
Neurosurgeon	:	:	:
Cardiovascular Surgeon	:	:	:
Anesthesiologist MD	:	:	:
Admitting Physician	:	:	:
Pediatrician	:	:	:
Ortho MD	:	:	:
OR Team	:	:	:

ED MD		Plastics MD		Neurologist	
CRNA		Thoracic MD		Primary Family Physician	
ED Charge RN		Rehab MD		Other MD	
ED Recorder RN		Ophthalmologist		Other MD	
ED EMT		Cardiologist		Other MD	

Rehabilitation Consult  01/01/2008 [Z]

Nutrition Addressed  01/01/2008 [Z]

Substance Counseling  01/01/2008 [Z]

✓ Check Save Save and Exit Print X Close Prev Next

Trauma Number: 1 Arrival Date: 1/1/2008 \*

**Attending Trauma MD – (time called and time arrived in minutes)** (MD\_TRAUMA, TIME\_TR\_MD\_C, TIME\_TR\_MD\_A, MD\_TRAUMA\_RESPONSE)

**Neurosurgeon – (time called and time arrived in minutes)**  
(MD\_NEURO, TIME\_NEURO\_C, TIME\_NEURO\_A, MD\_NEURO\_RESPONSE)

**Cardiovascular Surgeon – (time called and time arrived in minutes)** (MC\_CARDIO, TIME\_CARDIO\_C, TIME\_CARDIO\_A, MD\_CARD\_S\_RESPONSE)

**Anesthesiologist – (time called and time arrived in minutes)** (MD\_ANES, TIME\_ANES\_C, TIME\_ANES\_A, MD\_ANES\_RESPONSE)

**Admitting Physician – (time called and time arrived in minutes)** (MD-ADM, TIME\_ADM\_C, TIME\_ADM\_A, MD\_ADM\_RESPONSE)

**Pediatrician – (time called and time arrived in minutes)** (MD\_PEDIAT, TIME\_PEDIAT\_C, TIME\_PEDIAT\_A, MD\_PEDIAT\_RESPONSE)

**Orthopedic Surgeon – (time called and time arrived in minutes)** (MD\_ORTHO, TIME\_ORTHO\_C, TIME\_ORTHO\_A, MD\_ORTHO\_RESPONSE)

**OR Team – (time called and time arrived in minutes)** (MD\_TEAM, TIME\_TEAM\_C, TIME\_TEAM\_A, MD\_TEAM\_RESPONSE)

**ED MD** (MD\_ED)

**CRNA** (RN\_CRNA) - certified registered nurse anesthetist

**ED Charge RN** (RN\_CHARGE)

**ED Recorder RN** (RN\_RECORD)  
**ED EMT** (ED\_EMTP)  
**Plastics MD** (MD\_PLASTIC)  
**Thoracic MD** (MD\_THORAC)  
**Rehab MD** (MD\_REHAB)  
**Ophthalmologist** (MD\_OPTHST)  
**Cardiologist** (MD\_CARDST)  
**Neurologist** (MD\_NEURST)  
**Primary Family Physician** (MD\_PCP)  
**Other Physicians** (MDOOTHER\_LIST)

**Rehabilitation Consult** (REHAB\_YN) 1 – yes, 2 – no  
**Date** (REHAB\_DATE) – date rehab consulted on the patient  
**Nutrition Addressed** (NUTR\_YN) 1 – yes, 2 – no  
**Date** (NUTR\_DATE) - date that TPN, Parenteral, Enteral, or PEG feedings started  
**Substance Counseling** (SUBST\_YN) 1 – yes, 2 – no  
**Date** (SUBST\_DATE) - date that patient counseled about addiction

## ED Arrival Admission/Blood Products

Blood Products (cc's)	ED	OR	Elsewhere	Total
PRBC's	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
FFP	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Albumin	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Whole Blood	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Platelets	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Cryoprecipitate	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Crystalloids	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Enter number of blood products given in milliliters:

Emergency Department (ED):

**PRBC'S** (ED\_RBC) ED  
**FFP** (ED\_FFP) ED  
**Albumin** (ED\_ALB) ED  
**Whole Blood** (ED\_WHL) ED  
**Platelets** (ED\_PLA) ED  
**Cryoprecipitate** (ED\_CRY) ED  
**Crystalloids** (ED\_CRYS) ED  
**Other** (ED\_OTH) ED

Operating Room (OR):

**PRBC'S** (OR\_RBC) OR  
**FFP** (OR\_FFP) OR  
**Albumin** (OR\_ALB) OR  
**Whole Blood** (OR\_WHL) OR  
**Platelets** (OR\_PLA) OR  
**Cryoprecipitate** (OR\_CRY) OR  
**Crystalloids** (OR\_CRYS) OR  
**Other** (OR\_OTH) OR

Elsewhere (EW):

**PRBC'S** (EW\_RBC) EW  
**FFP** (EW\_FFP) EW  
**Albumin** (EW\_ALB) EW  
**Whole Blood** (EW\_WHL) EW  
**Platelets** (EW\_PLA) EW  
**Cryoprecipitate** (EW\_CRY) EW  
**Crystalloids** (EW\_CRYS) EW  
**Other** (EW\_OTH) EW

Totals:

**Total PRBC'S** (RBC\_BP\_TOTAL)

**Total FFP** (FFP\_BP\_TOTAL)

**Total Albumin** (ALB\_BP\_TOTAL)

**Total Whole Blood** (WHL\_BP\_TOTAL)

**Total Platelets** (PLA\_BP\_TOTAL)

**Total Cryoprecipitate** (CRY\_BP\_TOTAL)

**Total Crystalloids** (CRYS\_BP\_TOTAL)

**Total Other** (OTH\_BP\_TOTAL)

**Total – All Blood Products** (BLOOD\_PRODUCTS\_TOTAL)

## ED Discharge/Admission

The screenshot shows the 'Trauma Data Editor' window with the 'ED Discharge/Admission' tab selected. The form contains the following fields and values:

- Post ED Destination/Admitted To:  ICU
- Death in ED:
- Admitting Service:  Neurosurgery
- Was patient previously admitted to hospital for this injury?:
- Time Recorded:
- Temperature:  in  Route:
- Were paralytic agents in effect?:
- Intubated, Method of Intubation:  If Other:
- Intubated Date & Time:  @  Number of Attempts:
- Bagging or Ventilator:
- SaO2:
- Supplemental Oxygen:
- Pulse Rate/min.:
- Respiratory Assistance:
- Unassisted Respiratory Rate/min.:
- Assisted Respiratory Rate/min.:
- Systolic Blood Pressure:
- GCS: Eye:
- Verbal:
- Motor:
- GCS:  RTS:
- Obstruction to Patient's Eyes:

At the bottom, there are buttons for Check, Save, Save and Exit, Print, Close, Prev, and Next. The status bar shows Trauma Number: 1 and Arrival Date: 1/1/2008.

### Post ED Destination/Admitted To (POST\_ED\_D, POST\_ED\_O)

- |                         |   |
|-------------------------|---|
| 0 – Acute Care Hospital | 7 – Morgue  |
| 1 – ICU                 | 8 – Other (jail, prison, institutional care, Mental health) |
| 2 – Step Down           | 9 – Admitted to Monitored Telemetry Bed                     |
| 3 – Floor               | 10 – Admitted for 23 hr Observation                         |
| 4 – Pediatrics          | 12 – Home without Services                                  |
| 5 – PICU                | 13 – Home with Services                                     |
| 6 – OR                  | 14 – Left Against Medical Advice                            |

**If other** – free text

**Death in ED (DEATH\_ED)** 1 – yes, 2 – no

**Admitting Service (ADM\_SERV)**

- |                     |                            |
|---------------------|----------------------------|
| 1 – Trauma          | 5 – Thoracic Surgery       |
| 2 – Neurosurgery    | 6 – Other Surgical Service |
| 3 – Orthopedics     | 7 – Burn                   |
| 4 – General Surgery | 8 – Non-surgical Service   |

**Was patient previously admitted to hospital for this injury? (ADM\_PREV)**

1 – yes, 2 – no

**If yes; Previous Trauma Registry Number (PREV\_ID)**

**Time Recorded (TIME\_REC\_P)**

**Temperature/In (TEMP\_P, TEMP\_P\_U, TEMP\_P\_F, TEMP\_P\_C)**

1 – Fahrenheit, 2 – Celsius

**Route (TEMP\_P\_R)**

- |              |            |
|--------------|------------|
| 1 – Tympanic | 4 – Rectal |
| 2 – Oral     | 5 – Foley  |
| 3 – Axillary | 6 – Other  |

**Were Paralytic Agents in Effect? (PAR\_AGNT\_P)**

1 – yes, 2 – no

**Intubated/Method of Intubation (INTUB\_P, INTUB\_PO) 1- yes, 2 – no**

Method;

- |                    |  |
|--------------------|--|
| 1 – Nasal ETT      | 5– Unintentional Esophageal intubation |
| 2 – Oral ETT       | 6 – ETT Route not specified            |
| 3 – Tracheostomy   | 7 – Combitube                          |
| 4 – Cricothyrotomy | 8 - Other                              |

**If Other** – free text

**Intubated – Date and Time (INTUB\_P\_D, INTUB\_P\_T)**

**Number of Attempts (INTUB\_P\_ATT) – numerical value**

**Bagging or Ventilator (ASSI\_ONV\_P)**

1 – yes, 2 – no

**SAO2 (SAO2\_P) – last number obtained**

**Supplemental Oxygen (SUPP\_P\_O2)**

**Pulse/Rate per min (PULSE\_P) – last number obtained**

**Respiratory Assistance (RESP\_RAT\_P\_ASS)**

1 – Unassisted Respiratory Rate, 2 – Assisted Respiratory Rate

**Unassisted Respiratory Rate/min (RESP\_RAT\_P) – last number obtained**

**Assisted Respiratory Rate/min (ASS\_RESP\_RAT\_P) – last number obtained**

**Systolic BP (SYS\_BP\_P) – last number obtained**

**Glasgow Coma Scale (GCS) (Eye, Verbal, Motor) (EYE\_OPNG\_P, VER\_RESP\_P, MOT\_REP\_P, GCS\_P) – last number obtained**

**Revised Trauma Score (RTS) (RTS\_P)**

**Obstruction to Patient's Eyes (OBS\_PAT\_EYE\_P)**

1 – yes, 2 – no

# ED Memo

The image shows a screenshot of the 'Trauma Data Editor' software window. The title bar reads 'Trauma Data Editor'. Below the title bar is a menu bar with the following options: Demographics, Prehospital, Referring Facility, Arrival/Admission, Filters, Procedures, Outcome, Dx, and Custom. Below the menu bar is a tabbed interface with the following tabs: ED, Arrival/Admission Vitals, Trauma Team/Consults, Blood Products, ED Discharge/Admission, ED Memo, Nurse Memo, and In-Hospital Memo. The 'ED Memo' tab is currently selected and active. The main area of the window is a large, empty text box labeled 'ED MEMO' at the top left. Below the text box is a toolbar with the following buttons: Check (with a checkmark icon), Save (with a floppy disk icon), Save and Exit, Print (with a printer icon), and Close (with an 'X' icon). To the right of these buttons are 'Prev' and 'Next' buttons with left and right arrow icons respectively. At the bottom of the window is a status bar with the following information: 'Trauma Number: 1', 'Arrival Date: 1/1/2008', and a small asterisk icon on the far right.

**Emergency Department Memo (NOTES\_ED)** – enter any relevant information that occurred in the emergency department.

## ED Nurse Memo

The screenshot displays the 'Trauma Data Editor' application window. The title bar reads 'Trauma Data Editor'. Below the title bar is a menu bar with the following options: Demographics, Prehospital, Referring Facility, Arrival/Admission, Filters, Procedures, Outcome, Dx, and Custom. A secondary menu bar contains the following options: ED, Arrival/Admission Vitals, Trauma Team/Consults, Blood Products, ED Discharge/Admission, ED Memo, Nurse Memo, and In-Hospital Memo. The 'Nurse Memo' tab is currently selected. The main content area is a large text box labeled 'NURSING MEMO' at the top left. The text box is empty. At the bottom of the window is a toolbar with the following buttons: Check (with a checkmark icon), Save (with a floppy disk icon), Save and Exit, Print (with a printer icon), and Close (with an 'X' icon). To the right of the toolbar are 'Prev' and 'Next' buttons with left and right arrow icons. At the very bottom of the window, there are two status fields: 'Trauma Number: 1' and 'Arrival Date: 1/1/2008'. A small asterisk icon is visible in the bottom right corner of the status bar.

**Nursing Memo (NOTES\_NURSE)** – enter any relevant information that occurred as noted by the nursing staff

## ED In Hospital Memo

The image shows a screenshot of the 'Trauma Data Editor' software window. The window has a blue title bar with the text 'Trauma Data Editor' and standard window control buttons (minimize, maximize, close). Below the title bar is a menu bar with the following items: Demographics, Prehospital, Referring Facility, Arrival/Admission, Filters, Procedures, Outcome, Dx, and Custom. Below the menu bar is a tabbed interface with the following tabs: ED, Arrival/Admission Vitals, Trauma Team/Consults, Blood Products, ED Discharge/Admission, ED Memo, Nurse Memo, and In-Hospital Memo. The 'In-Hospital Memo' tab is currently selected and active. The main content area of the window is a large, empty text box with a vertical scrollbar on the right side. The text 'IN-HOSPITAL MEMO' is visible at the top left of this text box. Below the text box is a toolbar with the following buttons: Check (with a checkmark icon), Save (with a floppy disk icon), Save and Exit, Print (with a printer icon), and Close (with an 'X' icon). To the right of these buttons are 'Prev' and 'Next' buttons with left and right arrow icons respectively. At the bottom of the window, there is a status bar with the following information: 'Trauma Number: 1', 'Arrival Date: 1/1/2008', and a small asterisk icon on the far right.

**ED In Hospital Memo** (NOTES\_INH) – enter any relevant information that occurred in hospital

## Filter Questions

The screenshot shows the 'Trauma Data Editor' window with the 'Filters' tab selected. Under 'User Defined Filters', there is a section titled 'ACS / JCAHO FILTER QUESTIONS'. The first question is checked, while the others are unchecked. The interface includes a menu bar with options like Demographics, Prehospital, Referring Facility, Arrival/Admission, Filters, Procedures, Outcome, Dx, and Custom. At the bottom, there are buttons for Check, Save, Save and Exit, Print, Close, Prev, and Next, along with a status bar showing 'Trauma Number: 1' and 'Arrival Date: 1/1/2008'.

Demographics Prehospital Referring Facility Arrival/Admission Filters Procedures Outcome Dx Custom

Filters Questions User Defined Filters

ACS / JCAHO FILTER QUESTIONS

- Was there at least hourly determination and recording of blood pressure, pulse, respirations, and GCS for any trauma patient beginning with EDA, including time spent in radiology, up to admission to the ward, OR, ICU, transfer to another hospital, or death?
- Did patient with epidural or subdural brain hematoma receive a craniotomy > 4 hours after EDA, excluding those performed for ICP monitoring?
- Did comatose patient (GCS < 9) leave ED before definitive airway (endotracheal tube or surgical airway) was established?
- Did patient require reintubation of airway within 48 hours of extubation?
- Did patient with abdominal injuries and hypotension (SBP < 90) not undergo a laparotomy within 1 hour of ED arrival?
- Did patient undergo laparotomy > 4 hours after ED arrival?
- Was there a nonfixation of femoral diaphyseal fracture?
- Was patient sustaining a gunshot wound to abdomen managed non-operatively?
- Was there an interval of > 8 hours between arrival and the initiation of debridement of an open tibial fracture, excluding a low velocity gunshot wound?
- Was abdominal, thoracic, vascular, or cranial surgery performed > 24 hours after arrival?

✓ Check Save Save and Exit Print Close Prev Next

Trauma Number: 1 Arrival Date: 1/1/2008

**(NURS\_DOC\_S)** – Was there at least hourly determination and recording of blood pressure, pulse, respirations and GCS for any trauma patient beginning with EDA arrival, including time spent in radiology, up to admission to the floor, OR, ICU, transfer to another hospital or death?

**(CRANIOT)** – Did patient with epidural or subdural brain hemotoma receive a craniotomy >4 hours after EDA arrival, excluding those performed for ICP monitoring?

**(ART\_AIRWAY)** – Did comatose patient <GCS 9, leave ED before definitive airway (ETT or surgical airway) was established?

**(REINTUBAT)** – Did patient require re-intubation of airway within 48 hours of intubation?

**(LAPAROT1)** – Did patient with abdominal injuries and hypotension (SBP<90) not undergo a laparotomy within 1 hour of ED arrival?

**(LAPAROT2)** – Did patient undergo a laparotomy >4 hours after ED arrival?

**(NONFIX\_FEM)** – Was there a non-fixation of femoral diaphyseal fracture?

**(NONOP\_GSWA)** – Was patient sustaining a gunshot wound to abdomen managed non-operatively?

**(TIB\_FX\_LAC)** – Was there an interval of >8hours between arrival and the initiation of debridement of an open tibial fracture, excluding a low velocity gun shot wound?

**(UNP\_SRG\_24)** – Was abdominal, thoracic, vascular or cranial surgery performed >24 hours after ED arrival?

# Procedures Grid

Trauma Data Editor

Demographics Prehospital Referring Facility Arrival/Admission Filters Procedures Outcome Dx Custom

Add Multiple Procedures...

Code	Procedure	Location	Operation #	Start Date	Start Time	SI
18.01	Piercing of ear lobe	OR	2	01/01/2008	18:00	

Were there more than 84 procedures?

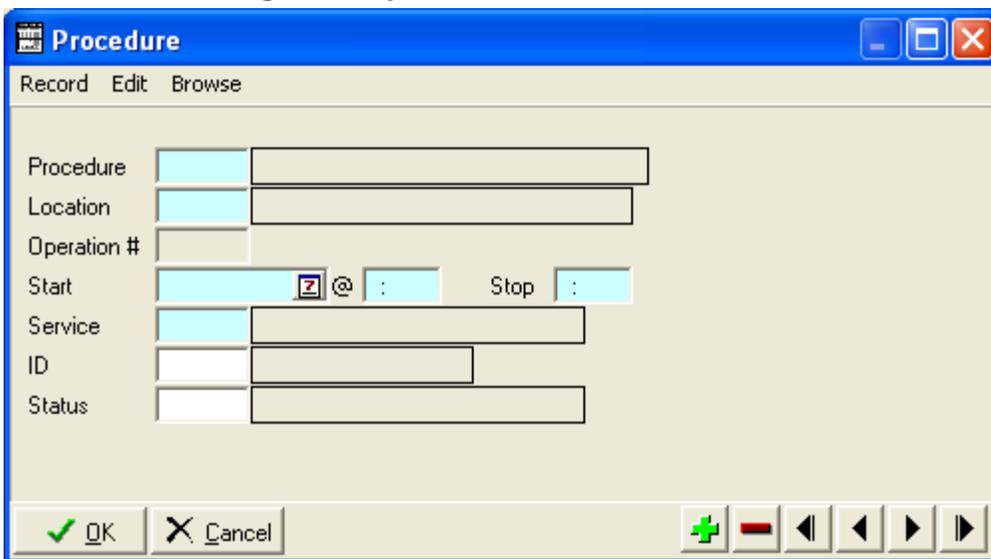
Custom

Check Save Save and Exit Print Close Prev Next

Trauma Number: 1 Arrival Date: 1/1/2008

To Add a procedure “click” on the Add button. A pop up screen will appear as below.

## Procedures Single Entry



**Procedure Performed** (PROC\_PR\_LIST) – use the drop down menu, code off medical record, or enter the numerical code if known

**Location** (PROC\_LC\_LIST) – where procedure took place

- |                       |                                      |
|-----------------------|--------------------------------------|
| 01 - ED               | 09 – Physical Medicine Rehab         |
| 02 – OR               | 10 – Minor Surgery Unit              |
| 03 – ICU              | 11 – Special Procedure Unit          |
| 04 – Med/Surg Floor   | 12 – Pre-Hospital (NFS)              |
| 05 – Stepdown Unit    | 13 – Scene/Enroute From Scene        |
| 06 – Radiology        | 14 – Referring Facility              |
| 07 – Nuclear Medicine | 15 – Enroute from Referring Facility |
| 08 – Burn Unit        |                                      |

**Operation Number** (PROC\_NUM\_LIST)

**Start Date** (PROC\_S\_DATE\_LIST)

**Start Time, End Time** (PROC\_S\_TIME\_LIST, PROC\_E\_TIME\_LIST)

**Service** (PROC\_SV\_LIST)

**ID** (PROC\_ID\_LIST) – this can be custom defined

**Status** (PROC\_ST\_LIST)- this can be custom defined

# Procedures Multiple Entry

Record Edit Navigate

Location

Operation Number  Start Date/Time  @  :  Stop

Service

Physician ID

Status

	ICD9	Description
1)	<input type="text"/>	<input type="text"/>
2)	<input type="text"/>	<input type="text"/>
3)	<input type="text"/>	<input type="text"/>
4)	<input type="text"/>	<input type="text"/>
5)	<input type="text"/>	<input type="text"/>
6)	<input type="text"/>	<input type="text"/>
7)	<input type="text"/>	<input type="text"/>
8)	<input type="text"/>	<input type="text"/>
9)	<input type="text"/>	<input type="text"/>
10)	<input type="text"/>	<input type="text"/>

**Location** (PROC\_LC\_LIST) – where procedure took place

01- ED

09- Physical Medicine Rehab

02- OR

10 – Minor Surgery Unit

03 – ICU

11 – Special Procedure Unit

04 – Med/Surg Floor

12 – Pre-Hospital (EMS)

05 – Stepdown Unit

13 – Scene/Enroute From Scene

06 – Radiology

14 – Referring Facility

07 – Nuclear Medicine

15 – Enroute from Referring Facility

08 – Burn Unit

**Operation Number** (PROC\_NUM\_LIST)

**Start Date** (PROC\_S\_DATE\_LIST)

**Start Time, End Time** (PROC\_S\_TIME\_LIST, PROC\_E\_TIME\_LIST)

**Service** (PROC\_SV\_LIST)

**Physician ID** (PROC\_DR\_LIST) this can be custom defined

**Status** (PROC\_ST\_LIST) this can be custom defined

## Outcome Discharge

The screenshot shows the 'Trauma Data Editor' window with the 'Discharge' tab selected. The form contains the following data:

- Discharge Status: 6 - Alive
- General Condition on Discharge: 1 - Good, Returned to Previous Level of Function.
- Died in OR:
- Discharge or Death: 01/15/2008 @ 18:00
- Total Days: ICU: 3, Ventilator: 0, Hospital: 14
- Impediments to Discharge: 3 - Social, 2 - Financial
- Discharge to: 2 - Home, Rehab Outpatient
- If Transferred: Hospital, City, State, Reason (all blank)

At the bottom, there are buttons for Check, Save, Save and Exit, Print, Close, Prev, and Next. The status bar shows Trauma Number: 1 and Arrival Date: 1/1/2008.

**Discharge Status (DIS\_STATUS)** 6 – alive, 7 – dead

**General Condition on Discharge (DIS\_COND)**

- 1 – good, returned to previous level of functioning
- 2 – temporary disability – expected to return to previous level of functioning
- 3 – moderate disability with self-care
- 4 – severe disability, dependent
- 5 – persistent vegetative state

**Died in OR (DIED\_IN\_OR)** 1 – yes, 2 – no

**Discharge or Death – Date and Time (DATE\_DEATH, DATE\_DEATH\_DSCHG, TIME\_DEATH, TIME\_DEATH\_DSCHG)**

**Total Days:**

**ICU** – (ICU\_DAYS) – input number of days, if less than 1 day leave blank

**Ventilator** – (VENT\_DAYS) – input number of days, if less than 1 day leave

**Hospital** – (HOSP\_DAYS) – will automatically count hospital days when discharge date is entered

**Impediments to Discharge (IMPEDS\_LIST)**

- 1 – none
- 2 – financial
- 3 – social
- 4 – psychiatric
- 5 – non-availability of special care facility
- 6 – physician related

**Discharge To (DISCHG\_TO, DISCHG\_TO\_O)**

- |                                     |                                       |
|-------------------------------------|---------------------------------------|
| 0 – Home with no assistance         | 6 – Acute Care Hospital               |
| 1 – Home with home health           | 7 – Medical Examiner/Morgue           |
| 2 – Home rehab outpatient           | 8 – Other                             |
| 3 – Skilled Nursing Facility        | 9 – Jail/Prison                       |
| 4 – ICF Intermedicate Care Facility | 10 – Unable to complete treatment/AMA |
| 5 – Rehab Facility                  | 11 – Burn Center                      |

**If other** - free text

**If transferred Out (TRANS\_TO\_H, TRANS\_TO\_C, TRANS\_TO\_S, TRANS\_TO\_R)**

Enter Hospital, City and State from drop down menu choices

Enter Reason – free text

**ACS Complications (NEWCOMPLICS\_LIST)** – use the drop down menu

Prehospital:

- |                      |   |                           |
|----------------------|---|---------------------------|
| <b><u>Airway</u></b> | 1001, Aspiration  | 1004, Mainstem Intubation |
|                      | 1002, Esophageal Intubation   | 1005, Unable to Intubate  |
|                      | 1003, Extubation (Unintentional)                                    | 1009, Other Airway        |
| <b><u>Fluids</u></b> | 1501, Inappropriate Fluid Management (Except Inability to Start IV) |                           |
|                      | 1502, Unable to Start IV  |                           |
|                      | 1599, Other Prehospital Fluid                                       |                           |

**Miscellaneous**

- 2001, No EMS Form (trip report)
- 2002, Incomplete EMS form
- 2003, Prehospital Delay
- 2098, EMS failure to notify ED immediately of Trauma Alert
- 2099, Other Prehospital

Hospital:

**Airway**

- |                                  |                            |
|----------------------------------|----------------------------|
| 2501, Esophageal Intubation      | 2504, Unplanned Intubation |
| 2502, Extubation (Unintentional) | 2598, Self Extubation      |
| 2503, Mainstem Intubation        | 2599, Other Airway         |

**Pulmonary**

- |  |                                 |
|--|---------------------------------|
| 3001, Abscess (excluding empyema)                | 3010, Pneumothorax (iatrogenic) |
| 3002, Adult Respiratory Distress Syndrome (ARDS) | 3011, Pneumothorax (recurrent)  |
| 3003, Aspiration Pneumonia                       | 3012, Pneumothorax (Tension)    |
| 3004, Atelectasis                                | 3013, Pulmonary Edema           |
| 3005, Empyema                                    | 3014, Pulmonary Embolus         |
| 3006, Fat Embolus                                | 3015, Respiratory Failure       |
| 3007, Hemothorax                                 | 3016, Upper Airway Obstruction  |
| 3008, Pneumonia                                  | 3017, Pleural Effusion          |
| 3009, Pneumothorax (Barotrauma)                  | 3099, Other Pulmonary           |

### **Cardiac**

3501, Arrhythmia	3506, Pericarditis
3502, Cardiac Arrest (unexpected)	3507, Pericardial Effusion or Tamponade
3503, Cardiogenic Shock	3508, Shock
3504, Congestive Heart Failure	3599, Other cardiovascular
3505, Myocardial Infarction	

### **Gastronintestinal**

4001, Anastomotic Leak	4008, Ileus
4002, Bowel Injury (iatrogenic)	4009, Peritonitis
4003, Dehiscence/Evisceration	4010, Small Bowel Obstruction
4004, Enterectomy (iatrogenic)	4011, Ulcer (duodenal, gastric)
4005, Fistula	4012, Abdominal fascia left open
4006, Hemorrhage (lower GI)	4099, Other GI
4007, Hemorrhage (upper GI)	

### **Hepatic**

4501, Acalculous cholecystitis	4505, Pancreatitis
4502, Hepatitis	4506, Splenic Injury (iatrogenic)
4503, Liver Failure	4599, Other Hepatic/Biliary
4504, Pancreatic Fistula	

### **Hematologic**

5001, Coagulopathy (Intraoperative)	5005, Transfusion complication
5002, Coagulopathy (other)	5099, Other hematologic
5003, Disseminated Intravascular Coagulopathy (DIC)	

### **Infection (Nonpulmonary, nonorthopaedic)**

5501, Cellulitis/Trauma Injury	5508, Sinusitis
5502, Fungal Sepsis	5509, Wound Infection
5503, Intra-abdominal abscess	5510, Yeast Infection
5504, Line Infection	5511, Deep Surgical Site Infection
5505, Necrotizing Fasciitis	5512, Superficial Surgical Site Infec
5506, Sepsis-like Syndrome	5599, Other Infection
5507, Septicemia	

### **Renal/Genitourinary(GU)**

6001, Renal failure	6004, Urinary tract infection (late)
6002, Ureteral Injury	6099, Other Renal/GU
6003, Urinary tract infection (early)	

### **Muskoskeletal/Integumentary**

6501, Compartment Syndrome (can be diagnosis or complication)	
6502, Decubitus (Minor)	6507, Non union
6503, Decubitus (blister)	6508, Osteomyelitis
6504, Decubitus (open sore)	6509, Orthopaedic wound infection
6505, Decubitus (deep)	6598, Open fx not surgically corrected in 8 hours
6506, Loss of Reduction/Fixation	6510, Extremity compartment syndrome
	6599, Other Muscular/Integumentary

### **Neurologic**

7001, Alcohol withdrawal  
7002, Anoxic Encephalopathy  
  
7003, Brain Death  
7004, Diabetes Insipidus  
7005, Meningitis  
7006, Neuropraxia (iatrogenic)  
7007, Non-operative Subdural/  
Epidural hematoma  
7008, Progression of Original  
Neurologic Insult

7009, Seizure in hospital  
7010, Syndrome of Inappropriate  
antidiuretic hormone (SIADH)  
7011, Stroke/CVA  
7012, Ventriculitis (post surgical)  
7013, Coma  
7014, Intracranial pressure  
7099, Other Neurologic

### **Vascular**

7501, Anastomotic Hemorrhage  
7502, DVT (lower extremity)  
7503, DVT (upper extremity)  
7504, Embolus (non-pulmonary)

7505, Gangrene  
7506, Graft Infection  
7507, Thrombosis  
7599, Other Vascular

### **Psychiatric**

8001, Psychiatric

### **Miscellaneous**

8501, Anesthetic complication  
8502, Drug  
8503, Fluid & Electrolytes  
8504, Hypothermia  
8505, Monitoring

8507, Readmission  
8508, Postoperative hemorrhage  
8509, Base Deficit  
8598, Readmission to ICU  
8599, Other miscellaneous

### **Provider Errors/Delays**

9001, Delay in Disposition  
9002, Delay in Trauma Team  
Activation  
9003, Delay to OR  
9004, Delay in MD response  
9005, Delay in Obtaining  
Consultation

9006, Delay in Diagnosis  
9007, Error in Diagnosis  
  
9008, Error in Judgement  
9009, Error in Technique  
9010, Incomplete Hospital Record

### **User Defined Complication**

Free text your own list

# Outcome Death

**Trauma Data Editor**

Demographics Prehospital Referring Facility Arrival/Admission Filters Procedures Outcome Dx Custom

Discharge Pre-Existing & Discharge Condition Complications **Death** Financial Autopsy Memo Follow-Up Memo System Memo QA Memo

Organs Donated:

Location of Death

Cause of Death

Manner of Death

Autopsy Number

✓ Check Save Save and Exit Print X Close

Prev Next

Trauma Number: 1 Arrival Date: 1/1/2008

**Organs Donated** (ORGANS\_DONATED\_LIST) – choose from drop down menu

**Location of Death** (LOC\_DEATH)

- |           |           |
|-----------|-----------|
| 1 – Scene | 4 – ICU   |
| 2 – ED    | 5 – Floor |
| 3 – OR    | 6 – Other |

**Cause of Death** (CAUSE\_DTH) – free text

**Manner of Death** (MAN\_DEATH)

- 1 – Suicide, 2 – Homicide, 3 – Accidental

**Autopsy Number** (ME\_NUMBER) - number assigned by coroner

## Outcome Financial

The screenshot shows the 'Trauma Data Editor' window with the 'Financial' tab selected. The 'Hospital Charges' section has 'Billed' set to \$10250 and 'Collected' set to \$9500. The 'Payor Sources' section shows a list of selected sources: 2 Automotive, 5 Charity, 7 HMO, and 11 Other Federal. The 'If Other' field is empty. The bottom status bar shows 'Trauma Number: 1' and 'Arrival Date: 1/1/2008'.

Hospital Charges:	
Billed	\$ 10250
Collected	\$ 9500

Payor Sources:	
2	Automotive
5	Charity
7	HMO
11	Other Federal
If Other	

**Hospital Charges Billed (CHGS\_BILD)**- free text numerical value

**Hospital Charges Collected (CHGS\_COLL)** – free text numerical value

**Payor Sources (PAYORS\_LIST, PAYOR\_O)**

- |                           |                             |
|---------------------------|-----------------------------|
| 1 – None                  | 12 – Other state            |
| 2 – Auto                  | 13 – PPO                    |
| 3 – Champus               | 14 – Research               |
| 4 – Champus- VA           | 15 – Self insurance         |
| 5 – Charity               | 16 – Self Pay               |
| 6 – Commercial            | 17 – Teaching               |
| 7 – HMO                   | 18 – Victim's funds         |
| 8 – Medicare              | 19 – Welfare                |
| 9 – Medicaid              | 20 – Workman's Compensation |
| 10 – No charge, write off | 21 – Indian Health Services |
| 11 – Other Federal        | 22 – Blue Cross/Blue Shield |

**If other** – free text

# Outcome Autopsy Memo

The screenshot displays the 'Trauma Data Editor' application window. The title bar reads 'Trauma Data Editor'. Below the title bar is a menu bar with the following tabs: Demographics, Prehospital, Referring Facility, Arrival/Admission, Filters, Procedures, Outcome, Dx, and Custom. A secondary menu bar contains: Discharge, Pre-Existing & Discharge Condition, Complications, Death, Financial, Autopsy Memo, Follow-Up Memo, System Memo, and QA Memo. The 'Autopsy Memo' tab is currently selected. The main area of the window is a large, empty text box with a scroll bar on the right side, titled 'AUTOPSY MEMO'. At the bottom of the window is a toolbar with buttons for Check, Save, Save and Exit, Print, and Close. To the right of the toolbar are 'Prev' and 'Next' navigation buttons. Below the toolbar, the status bar shows 'Trauma Number: 1' and 'Arrival Date: 1/1/2008'.

**Autopsy Memo (NOTES\_AUT)** – enter any relevant information from this autopsy

## Outcome Follow-up Memo

The screenshot displays the 'Trauma Data Editor' application window. The title bar reads 'Trauma Data Editor'. The interface features a menu bar with the following options: Demographics, Prehospital, Referring Facility, Arrival/Admission, Filters, Procedures, Outcome, Dx, Custom, Discharge, Pre-Existing & Discharge Condition, Complications, Death, Financial, Autopsy Memo, Follow-Up Memo (which is currently selected), System Memo, and QA Memo. Below the menu bar is a large text area labeled 'FOLLOW UP MEMO' with a vertical scrollbar on the right side. At the bottom of the window, there is a toolbar with buttons for Check, Save, Save and Exit, Print, and Close. To the right of these buttons are 'Prev' and 'Next' navigation buttons. The status bar at the very bottom shows 'Trauma Number: 1' and 'Arrival Date: 1/1/2008'.

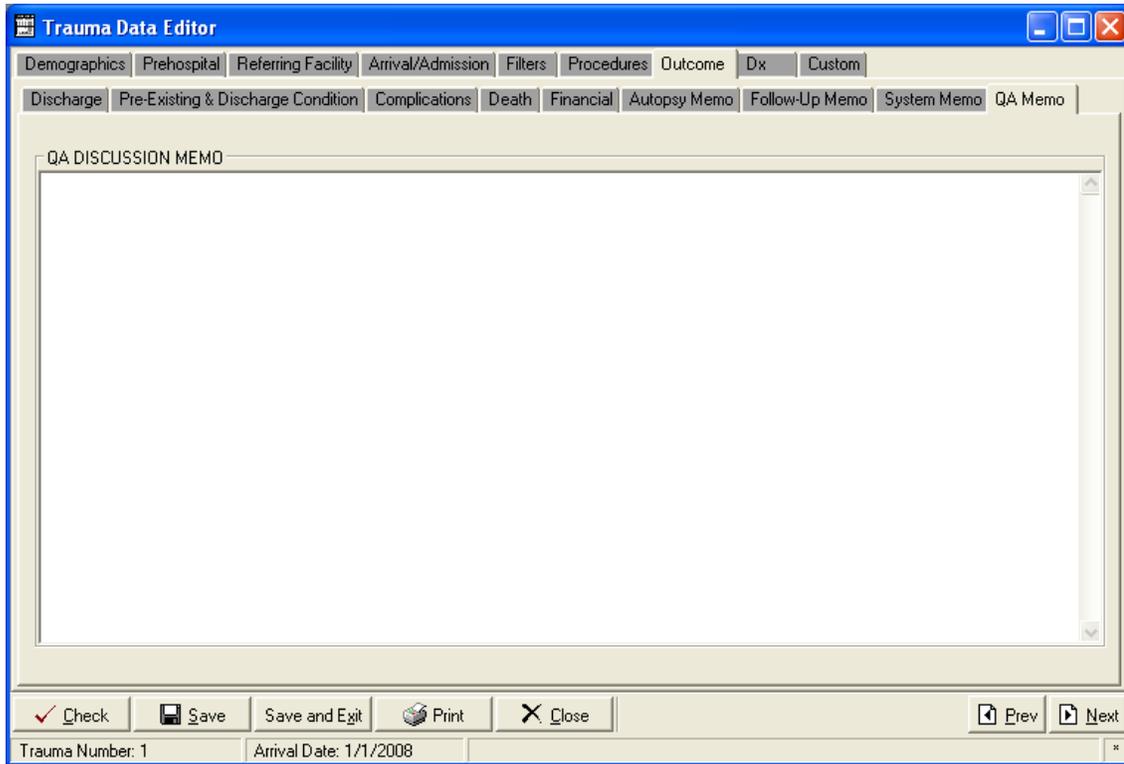
**Follow Up Memo (NOTES\_FOL)** – enter any relevant information that needs to be followed up relative to this patient’s stay at your facility

# Outcome System Memo

The screenshot displays the 'Trauma Data Editor' application window. The title bar reads 'Trauma Data Editor' and includes standard window control buttons (minimize, maximize, close). Below the title bar is a menu bar with the following options: Demographics, Prehospital, Referring Facility, Arrival/Admission, Filters, Procedures, Outcome, Dx, and Custom. A secondary menu bar below that contains: Discharge, Pre-Existing & Discharge Condition, Complications, Death, Financial, Autopsy Memo, Follow-Up Memo, System Memo, and QA Memo. The 'System Memo' option is currently selected. The main area of the window is a large, empty text box labeled 'SYSTEM MEMO'. At the bottom of the window is a toolbar with buttons for Check, Save, Save and Exit, Print, and Close. To the right of these buttons are 'Prev' and 'Next' navigation buttons. Below the toolbar, a status bar shows 'Trauma Number: 1' and 'Arrival Date: 1/1/2008'.

**System Memo (NOTES\_SYS)** – enter any relevant information that would not apply to the other memo fields

## Outcome QA Memo



The screenshot displays the 'Trauma Data Editor' application window. The title bar reads 'Trauma Data Editor'. Below the title bar is a menu bar with the following tabs: Demographics, Prehospital, Referring Facility, Arrival/Admission, Filters, Procedures, Outcome, Dx, Custom, Discharge, Pre-Existing & Discharge Condition, Complications, Death, Financial, Autopsy Memo, Follow-Up Memo, System Memo, and QA Memo. The 'QA Memo' tab is currently selected. The main content area is a large text box with the label 'QA DISCUSSION MEMO' at the top left. The text box is empty. At the bottom of the window is a toolbar with buttons for Check, Save, Save and Exit, Print, Close, Prev, and Next. Below the toolbar, the status bar shows 'Trauma Number: 1' and 'Arrival Date: 1/1/2008'.

**Quality Assurance Memo (NOTES\_QA)** – enter any relevant information that occurred as a result of quality assurance/improvement related to this patient’s care

# Diagnosis

Trauma Data Editor

Demographics Prehospital Referring Facility Arrival/Admission Filters Procedures Outcome Dx Custom

Injury Narrative Coding Section Non-Trauma Dx

ISS 25 TRISS 0.886

head trauma  
loc > 2 days

Tri-Code

Check Save Save and Exit Print Close

Prev Next

Trauma Number: 1 Arrival Date: 1/1/2008

**Injury Severity Score (ISS) (ISS)**

**Trauma Revised Injury Severity Score (TRISS) (TRISS)**

**Injury Text (INJ\_TXT)**

**Injury Code (ICD9S\_LIST, AIS\_CODES\_LIST, PREDOTS\_LIST)**

**For Pediatric Patients** – when you input a patient less than or equal to the age of 14, the program automatically puts in the Diagnosis section the patient's age **DO NOT DELETE THIS** - the program needs this in order to calculate the pediatric data.

# Coding Section

**Trauma Data Editor**

Demographics Prehospital Referring Facility Arrival/Admission Filters Procedures Outcome Dx Custom

Injury Narrative Coding Section Non-Trauma Dx

AIS Coder AIS Version **AIS 90** ISS **25** TRISS **0.886**

	ICD-9	AIS	ISS Body Region
1)	854.04 Intracranial injury NOS closed prolonged loc	115099 . 9	1
2)	LOC	160214 . 5	1
3)			
4)			
5)			
6)			
7)			
8)			
9)			
10)			
11)			
12)			
13)			
14)			

Check Save Save and Exit Print Close Prev Next

Trauma Number: 1 Arrival Date: 1/1/2008 \*

