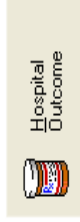




A self-contained module for ICU admissions which calculates the **predicted death rates** according to the following scoring systems: **SAPS II, KES, APACHE II** as well as calculating the **SOFA** score, which can be done daily. Other daily info regarding ventilation, inotropes, TPN, comments, procedures and complications can be recorded.



This module tracks any performance review issues, for example a trauma death. A memo field records comments and post mortem findings.



This section records the hospital discharge date, calculates the **days spent in hospital** and **ICU**, provides a summary of the number of vent, inotrope, dialysis days and gives an indication of the patient's condition on discharge. A field is provided for the total amount billed.

REPORTING FUNCTIONS:

The most important part of a computerised database system is what it can produce in terms of **REPORTS**. TraumaBank is a very powerful tool when it comes to **OUTPUT**. The following list contains some of the over 30 reports already built into the program:

- A Comprehensive Individual Patient Report
- Incident Reports (providing a list, or allowing for a search on a specific incident)
- Death Report (listing patients dying within a selected date range)
- Diagnosis report (to search for all patients with a specific injury)
- Summary Reports (which give average blunt and penetrating ISS scores for a specified time period)
- Complication Reports (list, or search for)

Customised reports can be written on any of the data points entered into the program.

TraumaBank

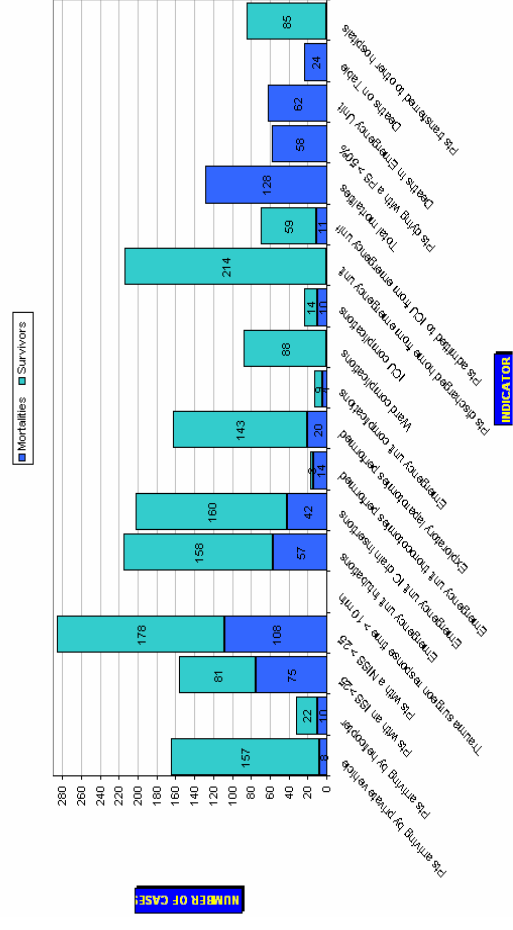


Trauma Society of South Africa

This Trauma Registry was developed as an internal management tool to manage information and improve the care of major injuries in South Africa. The program allows the practitioner and manager alike to keep a finger on the pulse of trauma management within the practice or institution.

TraumaBank is a locally developed program tailored to meet our needs with regards to the capturing, storing and retrieval of vital information.

UNIT STATISTICS DEC 2005 - MAY 2006: 1 107 MAJOR TRAUMA ADMISSIONS



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This brochure contains an overview of some of the main aspects of the program. The main starting screen of **TraumaBank** shows the patient's demographic details, the incident leading to the injury, where the patient went to from the Emergency Unit and the final hospital outcome. The buttons below the demographics list access the various modules linked to each patient.

Hospital Number	Arrival Date	First Name	Surname	Gender	Race	Age	Residential Status	Incident	Casualty Disposition	Outcome
25	8/02/2005	Unknown Male	Unknown Male	Male	Black	24	Hillbrow	Burnshot	Ward	Home
23	4/11/2005	Unknown Male	Victor	Male	Black	26	Hillbrow	Burnshot	Discharged	Home
21	5/02/2005	Unknown Male	Unknown Male	Male	Coloured	55	Not known	Burnshot	ICU (Non Trauma)	Home
20	7/05/2005	Unknown Male	Siera	Male	Black	28	Not known	Fall	Ward	Transferred
19	3/4/2005	Unknown Female	Quebec	Female	Black	24	Outsiders/Vest	Stab	Discharged	Home
18	4/02/2005	Unknown Female	Unknown Female	Female	Black	24	Outsiders/Vest	Stab	Discharged	Home
16	5/17/2005	Unknown Male	Osce	Male	Black	32	Disrupt	Burnshot	Ward via Theatre	Home
15	2/02/2005	Unknown Male	Unknown Male	Male	Black	32	Disrupt	Burnshot	ICU (Pre-Admission)	Home
14	2/11/2005	Unknown Male	Unknown Male	Male	Black	34	Yellow	Fall from height	ICU (Pre-Admission)	Home
13	5/09/2005	Unknown Male	Lina	Male	Black	30	Not known	Stab	Ward	Home
12	5/02/2005	Unknown Male	Juliet	Female	Black	23	Not known	Burnshot	Ward	Transferred
11	5/02/2005	Unknown Male	Unknown Male	Male	Black	23	Not known	Burnshot	Ward	Transferred
10	5/02/2005	Unknown Male	Unknown Male	Male	Black	23	Not known	Burnshot	Ward	Transferred
9	2/02/2005	Unknown Male	Unknown Male	Male	White	65	Regents Park	MVA	ICU (Trauma)	Home
8	2/02/2005	Unknown Male	Unknown Male	Male	White	31	Regents Park	MVA	ICU (Trauma)	Home
7	2/02/2005	Unknown Male	Unknown Male	Male	White	31	Regents Park	MVA	ICU (Trauma)	Home
6	1/02/2005	Unknown Male	Echo	Male	Black	33	Malvern	Burnshot	ICU	Transferred
5	1/02/2005	Unknown Male	Unknown Male	Male	Black	33	Malvern	Burnshot	ICU	Transferred
4	23/05/05	Unknown Male	Charlie	Male	White	22	Not known	Not known	ICU	Home
3	23/05/05	Unknown Male	Unknown Male	Male	White	22	Not known	Not known	ICU	Home
2	1/02/2005	Unknown Male	Alpho	Male	Black	32	Midland	Burnshot	Discharged	Home
1	12/02/2005	Unknown Male	Unknown Male	Male	Black	32	Midland	Burnshot	ICU (Died (Trauma))	Home

SUMMARY OF EACH MODULE:



Details concerning the date and time of injury, epidemiology and mechanism of injury are recorded here according to **World Health Organization** guidelines.



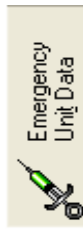
Prehospital vitals, intervention and times are recorded, the software calculates the prehospital **RTS** as well as **scene** and **transport times**.



Details regarding whether or not the patient was transferred from another facility, vitals and a memo field for any relevant info.



How the patient arrived (level of pre hospital care), calculation of **time spent in the Emergency Unit** and members of the Trauma Team involved with the patient's care as well as calculation of their **response times**.



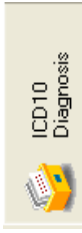
This section records initial Emergency Unit vitals, calculates the arrival **RTS**, tracks management, IV fluids, blood and drugs administered as well as what diagnostic procedures were performed and their findings.



A list containing over 3 000 trauma diagnoses, with their relevant **AIS90 scores** from which multiple injuries can be selected. The software calculates the **ISS** and **NISS** scores and the **probability of survival** relevant to each score.



Any surgical interventions are recorded here, including name of surgeon, times, blood administered and a list of procedures with their **South African Procedural Billing** codes from which to make your selections.



List of **ICD10** diagnoses.



A record of where, when and what complications occur with a memo field for comments.