# PAROS Updates & Demo

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# Overview



- 1. Program Database
- 2. Methods for EMS Data Collection
- 3. Methods for Hospital Data Collection
- 4. Data Dictionary
- 5. ePAROS
  - Patient Health & Quality of Life
  - EMS Vs Non-EMS
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# Program Database



- Sansio
  - Server and software provider
- **SCRI** 
  - House the server
  - Provide maintenance and technical expertise
- Internet database system: www.eparos.org (operational by June)
- Integrates EMS and Hospital data



### Methods for EMS Data Collection

Direct Entry
Online

Data can be entered directly into the registry wherever there is internet connection by PAROS EMS contact or EMS field providers/supervisors

Export Field Entry

Data can be exported from existing participating site databases which then auto-populates into the PAROS registry

# Methods for Hospital Data Collection

#### For EMS cases:

PAROS coordinator will generate an email when a PAROS patient was transported to the receiving hospital

#### For non-EMS cases:

Direct Entry
Online

Data can be entered directly into the registry wherever there is internet connection by hospital contacts

# **Data Dictionary**

Sample of condensed taxonomy

The complete PAROS
Taxonomy and Case
Record Form are available
at the following website:

http://www.scri.edu.sg/ PAROS\_SOURCE.html

Site Number	3-digit code			
Patient's name <sup>#</sup> ( <b>Optional)</b>	Provide patient's name as recorded in ID. It acts as an identifier for tracing the prehospital and ED data.			
(-)	If the patient's name is unknown, indicate unidentified male patient as 'Unknown Male' or unidentified female patient as 'Unknown Female'.			
ID / Site Survey Number <sup>#</sup>	Provide patient's ID or site survey number. It also acts as an identifier for tracing the prehospital and ED data.			
	If ID is not available, use the medical record number which was issued during registration at the ED.			
Date of arrival at ED	Provide the date when the patient arrived at the ED. There will be a possibility that patients may have had previous incidents in the database. This is essential to prevent wrong data entries or mismatch of data.			
	Enter date as dd/mm/yyyy.			
Case number will be auto-generated when the above 6 fields are entered into the system. It will subsequently appear as an unique case number for each individual record.				
# All patients' identifiers will be subsequently removed from the database after butcome information from hospital has been traced and data entry is completed.				
EMS and Hospital Data				
*The preferred source of data is the EMS patient case record and ED and/or hospital patient case record.)				
Mode of Transportation:				
#1. Patient brought in by	Indicate "EMS" or "Non-EMS"			
	Brought in by 'EMS' refers to case that was conveyed by ambulance which was dispatched via EMS dispatch center.			
	Brought in by 'non-EMS' refers to case that was conveyed by private ambulance which was <u>NOT</u> dispatched via EMS dispatch center, own transport or public transport.			
	If patient was brought in by 'non-EMS', indicate the mode of transportation: private ambulance, own transport or public transport.			
Incident Information:				
#2. Date of Incident	Provide the date when the cardiac arrest occurred. Enter date as dd/mm/yyyy.			
#3. Location of incident	Record the zip or postal code of the location where patient was found.			
	Indicate "Unknown" if unable to obtain any information.			

### **ePAROS**



# EMS/hospital user log in

Username:	
Password:	
Log In	
Did you forget your password?	

#### EMS log in

Username: paros

Password: paros12

#### Hospital log in

Username: parosHosp

Password: paros12

http://eparos.org/

#### **EMS** form

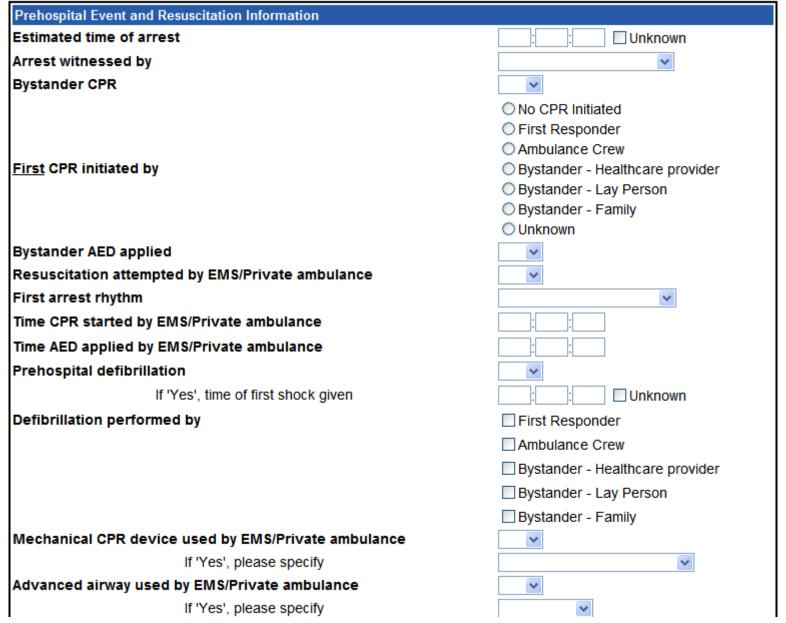
# **ePAROS**



Incident Information				
Date of Incident		17		
Location of Incident	t (enter Zi	ip/Postal code)	Unknow	wn
Location Type	(	,p// obtai obus/ _		<del></del>
2004				
Patient Information				
Date of Birth	12	Age	O Days O	Months O Years
Gender	~	-		
Race (optional)	~			
	□No	Unknown	☐ Heart disease	Diabetes
Medical History	□ Cancer	Hypertension	Renal Disease	Respiratory Disease
	Hyperlipidemia		HIV	Other
Dispatch Information				
Time call received a	it dispatch center	r	]:[]:	The Sint Base and an discrete and
Time First responde	er dispatched			
Time Ambulance dis	patched			
Time First responde	er arrived at scen	ie		
Time Ambulance arr	ived at scene			
Time EMS arrived at	t patient side			
Time Ambulance left	t scene			
Time Ambulance arr	rived at ED			

#### **EMS** form

### **ePAROS**

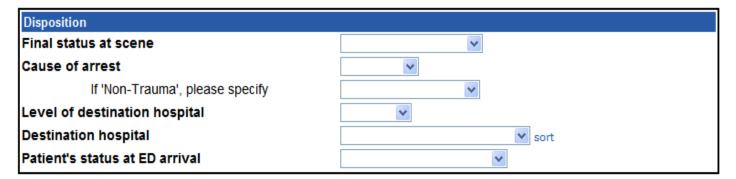




# **ePAROS**

# Save record

Drug administered by EMS/Private ambulance	<u> </u>
If 'Yes', select drugs given	☐ Epinephrine ☐ Lidocaine
	☐ Atropine ☐ Dextrose
	☐ Amiodarone ☐ Other
	☐ Bicarbonate
Return of spontaneous circulation at scene/en-route	•
If 'Yes', specify time	: : Unknown
CPR discontinued at scene/en-route	•
If 'Yes', please specify	•







# **ePAROS**

# PAROS

#### **ED Form**

To enter ED/Hospital data:

Step 1 - log off from EMS form

Step 2 - log in again using hospital ID

ED form has **3** additional sections:

- 1.ED Resuscitation Information
- 2.Hospital Outcome
- 3.Patient Health and Quality of Life

	RESUSCITATION OUTCOME
ED Resuscitation Information (Not Applicable for cases	that were pronounced dead at scene)
Date of arrival at ED	Ü
Time of arrival at ED	:::::::::::::::::::::::::::::::::::::::
	Pulse
Patient status on arrival at ED	Breathing
Cardiac rhythm on arrival at ED	<b>v</b>
ED Defibrillation performed	V
Mechanical CPR device used at ED	V
If 'Yes', please specify	<b>v</b>
Advanced airway used at ED	<u>~</u>
If 'Yes', please specify	•
Drug administered at ED	<u>~</u>
If 'Yes', select drugs given	☐ Epinephrine ☐ Lidocaine
	☐ Atropine ☐ Dextrose
	☐ Amiodarone ☐ Other
	Bicarbonate
Return of spontaneous circulation at ED	<u> </u>
If 'Yes', specify time	: Unknown
Emergency PCI performed	<u> </u>
Emergency CABG performed	V
Hypothermia therapy initiated	V
ECMO therapy initiated	V
Cause of arrest	V
If 'Non-Trauma', please specify	V
Reason for discontinuing CPR at ED	<b>v</b>
Outcome of patient	~

#### **ED Form**

# **ePAROS**

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	1	ARO
THE SUSCITATION OUTCOME		The same of the sa

	erebral Performance Category
C	erebral Performance Category
	3 7 7
Patient neurological status on discharge or at 30th day post arrest	" D - f
	verall Performance Category
	Unknown
Patient Health and Quality of Life (For patient who is discharged alive or alive on	30th day post arrest) Unknown

Patient Health and Quality of Life (For patient who is discharged alive or alive on 30th day post arrest)				
EQ-5D Health Dimensions				
Mobility	○ No problem ○ Some problems ○ Confined to bed			
Self-care	$\bigcirc$ No problem $\bigcirc$ Some problems $\bigcirc$ Unable to wash or dress			
Usual activities	○ No problem ○ Some problems ○ Unable to perform			
Pain/Discomfort	○ None ○ Moderate ○ Extreme			
Anxiety/Depression	○ None ○ Moderate ○ Extreme			
EQ-5D Visual Analog Scale (VAS)  *100 (best imaginable health state) and 0 (v	vorst imaginable health state)			

	General Comments	
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# Patient Health & Quality of Life (EQ-5D)



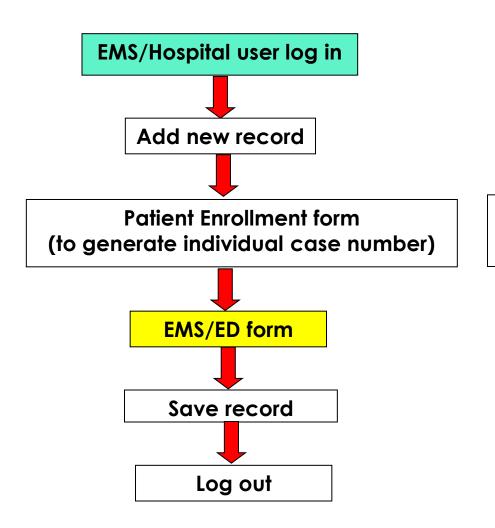
- ❖ EQ-5D is a standardised instrument for use as a measure of health outcome.
- Consist of five dimensions (mobility, self-care, usual activities, pain/discomfort, anxiety/depression)
- Applicable to a wide range of health conditions and treatments.
- Provides a single index score for health status.

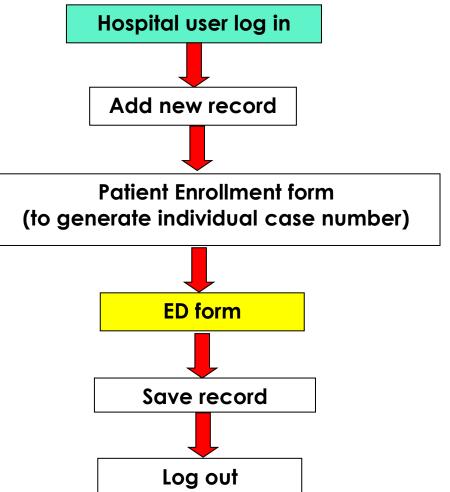
(extracted from http://www.euroqol.org/)

### **EMS vs Non-EMS**



The differences are highlighted.





# Summary



- Give as complete and accurate information as you can at the time you are completing your PAROS data entry.
- Contact your country/PAROS coordinator if you have any questions or technical problems regarding the online platform.



# THANK YOU