





RI EMS Information System

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History of RI data collection



History of RI data



Handwritten form

Pre-1995

EMS REPORT FORM

**SOUTH COOK COUNTY
EMERGENCY MEDICAL SERVICE SYSTEM
Ingalls Memorial Hospital, One Ingalls Drive, Harvey, IL 60426**

Form # **121302** Date: / / Incident # _____ Log # _____

Ambulance Service: _____ Serv. # _____ Services Rendered: ALS BLS

PATIENT INFORMATION: Name (Last) _____ (First) _____
Home Address _____
City _____ State _____ Zip _____
Age _____ Sex M F Phone _____

PATIENT COMPLAINT: _____
LOCATION OF CALL: _____

PHYSICAL CONDITION:

STATUS:
1. Conscious
2. Unconscious
3. Oriented
4. Disoriented
5. Urinary
6. Hemorrhaging
7. Convulsions
8. Vomiting

LUNG SOUNDS:
L R
1. Clear
2. Absent
3. Coarse Rales
4. Fine Rales
5. Wheeze

PUPILS:
L R
1. P.E.R.L.
2. Pinpoint
3. Midrange
4. Dilated
5. Responsive
6. Unresponsive

SKIN COLOR:
L R
1. Normal
2. Pale
3. Flush
4. Cyanotic

SKIN TEMP.:
1. Normal
2. Hot
3. Cold

SKIN MOISTURE:
1. Normal
2. Moist
3. Dry
4. Diaphoretic

HISTORY: Cardiac Hypertension Glaucoma
 Diabetic Asthma Emphysema

Meds: None Unknown

Family Doctor: _____ Allergies: _____

VITAL SIGNS		PULSE	RESP.	CARDIAC	DRUGS				
Time	B/P			Time	Rhythm - Defib/W.S.	Time	Drug/Solution	Dose	Route

AID GIVEN PATIENT:

<input type="checkbox"/>	A Airway Cleared	<input type="checkbox"/>	N Start IV Fluids
<input type="checkbox"/>	B Ventilation Ambu Demand <input type="checkbox"/>	<input type="checkbox"/>	O Vehicular Extrication
<input type="checkbox"/>	C E.O.A.	<input type="checkbox"/>	P Bleeding Control
<input type="checkbox"/>	D E.T.	<input type="checkbox"/>	Q Spine Immob.
<input type="checkbox"/>	E Breath Sounds	<input type="checkbox"/>	R Splint _____ (type)
<input type="checkbox"/>	F Oxygen mask _____	<input type="checkbox"/>	S Anti-shock Trousers
<input type="checkbox"/>	G Suction _____	<input type="checkbox"/>	T Dressing Applied
<input type="checkbox"/>	H C.P.R.	<input type="checkbox"/>	U Cold Application
<input type="checkbox"/>	I Defibrillation	<input type="checkbox"/>	V Irrigation
<input type="checkbox"/>	J Rotating Tourniquets	<input type="checkbox"/>	W O.B. Delivery
<input type="checkbox"/>	K Valsalva Maneuver	<input type="checkbox"/>	X Vital Signs
<input type="checkbox"/>	L Dexstick	<input type="checkbox"/>	Y Physical Survey
<input type="checkbox"/>	M Drugs	<input type="checkbox"/>	Z Communications
<input type="checkbox"/>	IV Set-Up	<input type="checkbox"/>	AA History to Hospital
			Visual Survey

COMMENTS:

COMMUNICATIONS: Medical Direction From: _____
Dr. on Scene: _____
License #: _____
 Telephone Phone Patch
 Merc Telemetry Channel
Receiving Hospital: _____

TIME INFORMATION:

DATA CODES: 5 _____ 6 _____

CREW SIGNATURES:

7									
8									
9									
10									
11									
12									
13									
14									

1. _____ (Form completed by) _____ SCC# _____
2. _____ SCC# _____ 3. _____ SCC# _____
4. _____ SCC# _____ 5. _____ SCC# _____

AMBULANCE CO.

History of RI data



Scantron sheet

Handwritten narrative

1995

The image shows a scantron sheet for a medical form, likely a preprint form for EMS services, dated 1995. The form is filled out with handwritten marks and includes sections for patient information, services rendered, treatment, EKG rhythm, hospital contact, and outcome. The form is titled "PREPRINTED FORM NUMBER" and "RESULTS OF SERVICE". The form is divided into several columns and rows, with handwritten marks indicating the patient's condition and the services provided. The form is dated 1995 and includes a section for "TIME INFORMATION" and "EMT 1, 2 and P SCC #". The form is also filled out with handwritten marks for "RECEIVING HOSPITAL" and "OUTCOME OF RUN". The form is a standard EMS preprint form used for data collection and patient care documentation.

History of RI data

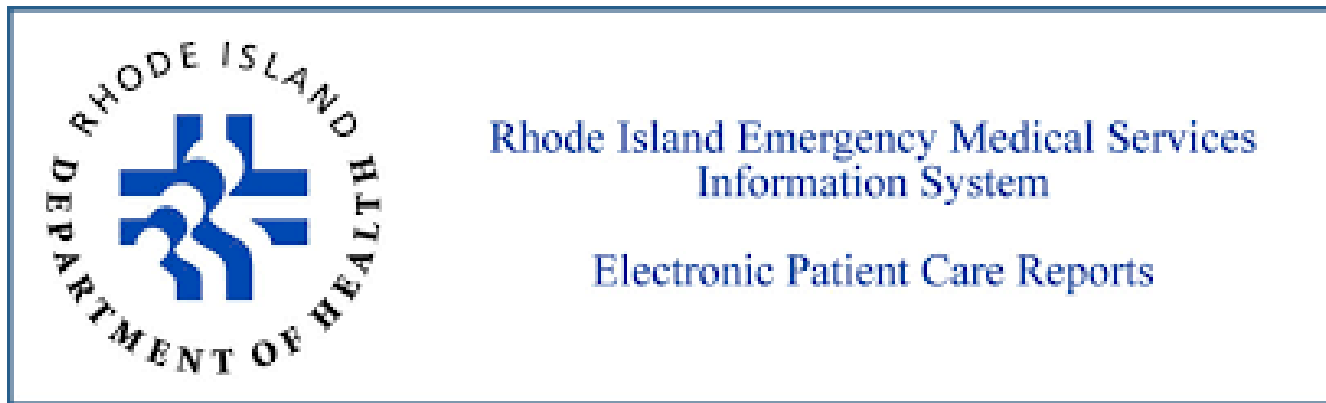


- First electronic data collection early 2000s
- Utilized by some agencies in RI
- Others continued with Scantron forms

History of RI data



- 2011: RFP issued for a NEMESIS gold compliant (v.2.2.1) electronic system and state data repository



History of RI data



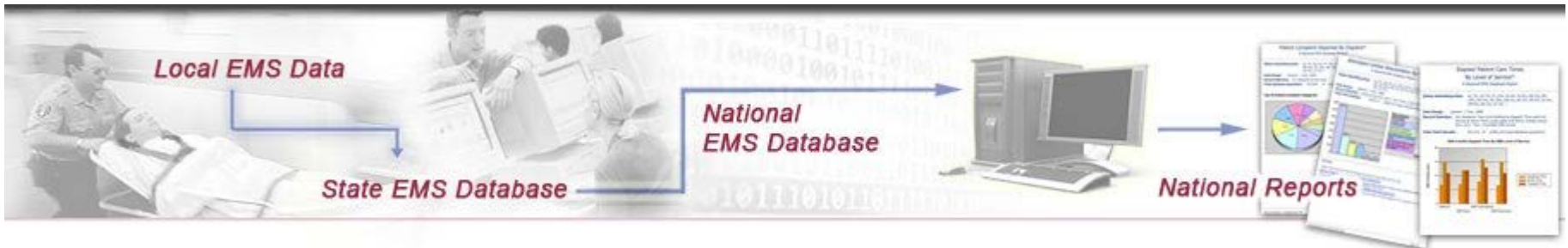
- 2014: begin migration to NEMESIS v.3.4

A screenshot of the NEMESIS v.3.4 software interface. The interface is divided into a left sidebar and a main content area. The sidebar has a red header labeled "Response" and contains several menu items: "Unit & Crew Info", "Response Info", "Times/Message", "Patient Encounters", "Transport", "Billing", "Narrative", and "Signatures". The main content area is titled "ELITE FIELD" and "Unit & Crew Info". It contains several input fields and buttons. The "Unit & Crew Info" section includes fields for "Unit Agency Number" (with value "10210"), "Bill and Charge" (with a dropdown menu), "Unit Agency Unit Number" (with a dropdown menu), and "Primary Role of the Unit" (with buttons for "Ground Transport", "Ambulance", and "Advanced Life Support"). Below these is a "Unit of Care of this unit" dropdown menu. At the bottom, there is a "Crew Members" section with an "Add" button.

NEMESIS



- Funded by NHTSA
- Technical Assistance Center (TAC)
 - University of Utah
- Currently using v2.2.1 data standard
- Performance Tool Kit



NEMESIS v3.3.4



- Data Management Committee of ASAB
 - Chaired by DC Jason Umbenhauer, Warwick FD
 - Define the Data Dictionary
- NEMESIS / NHTSA Performance Measure Initiatives

NEMESIS v3.3.4



NEMESIS

Powered by NHTSA's Office of EMS

<https://nemsis.org/>

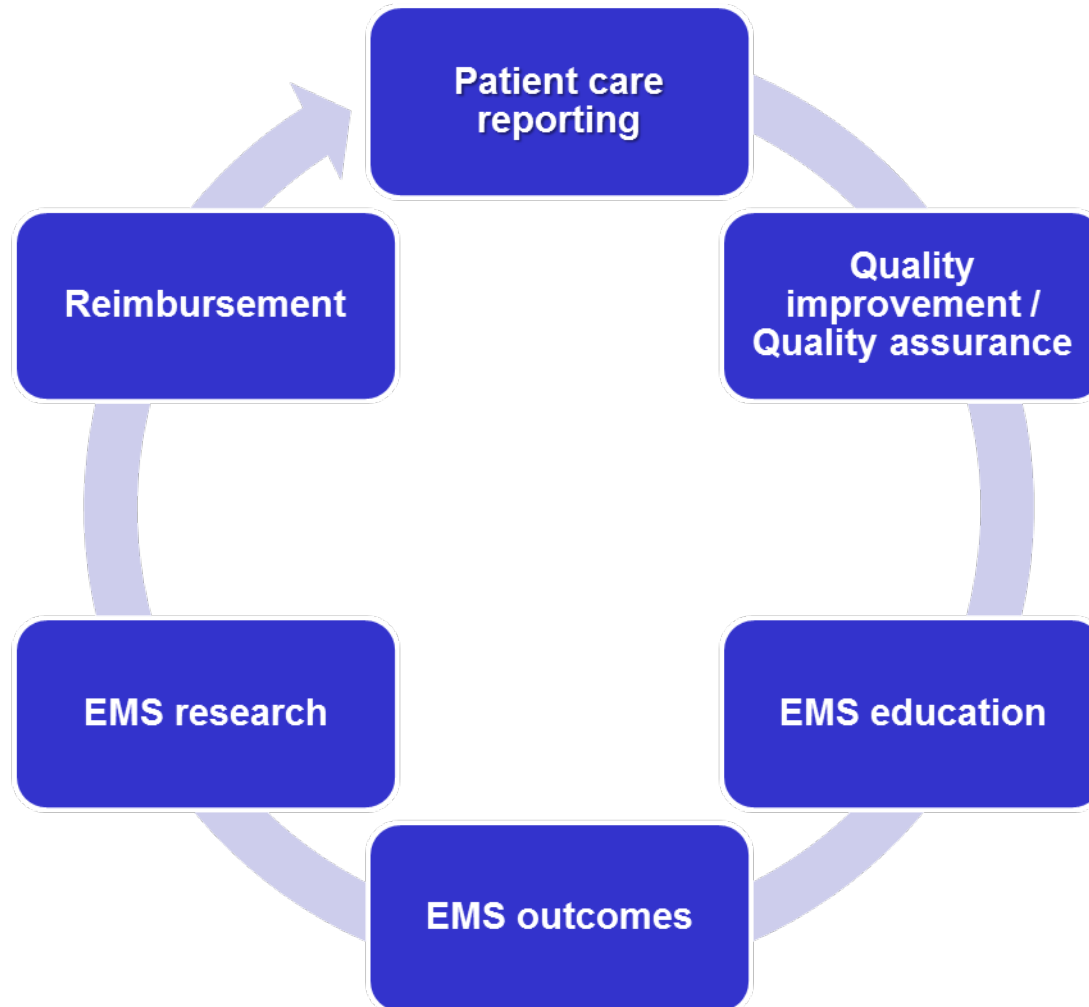
NEMESIS v3.3.4



biospatial

BIOSPATIAL

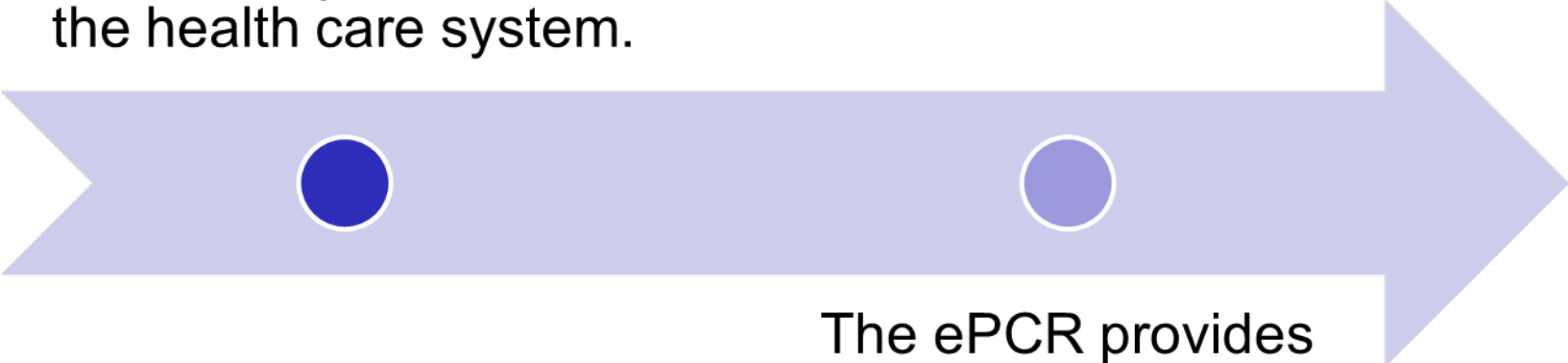
Why do we collect EMS data?



Patient care reports

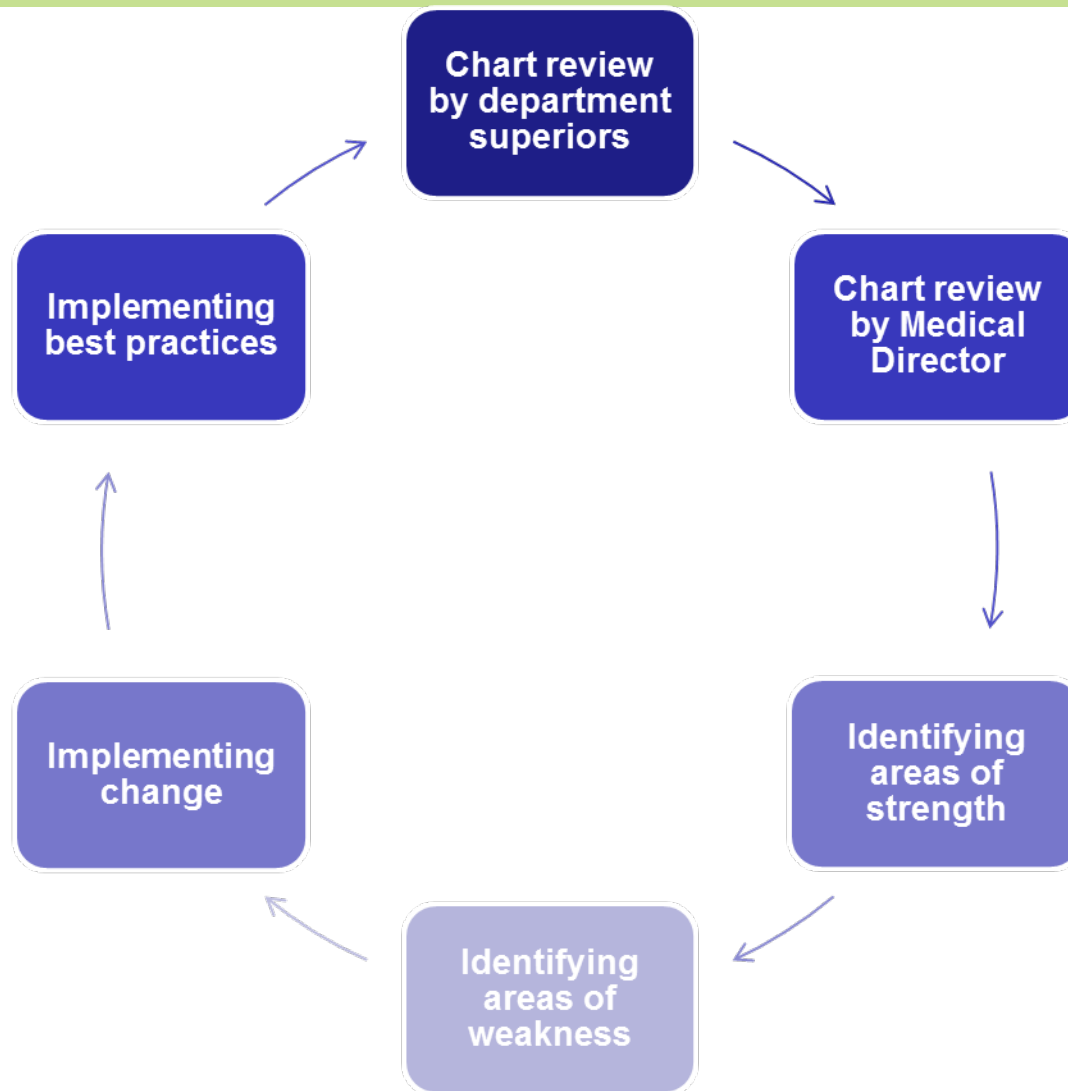


EMS practitioners need to be viewed as **health care professionals** who assist the patients into the health care system.



The ePCR provides details of the EMS call prior to the transfer of care at the hospital

Quality improvement



EMS outcomes



- Stroke feedback forms

Stroke Follow-up

Patient Run #:

Age/Gender:

Service:

Service Level:

Your results at a glance

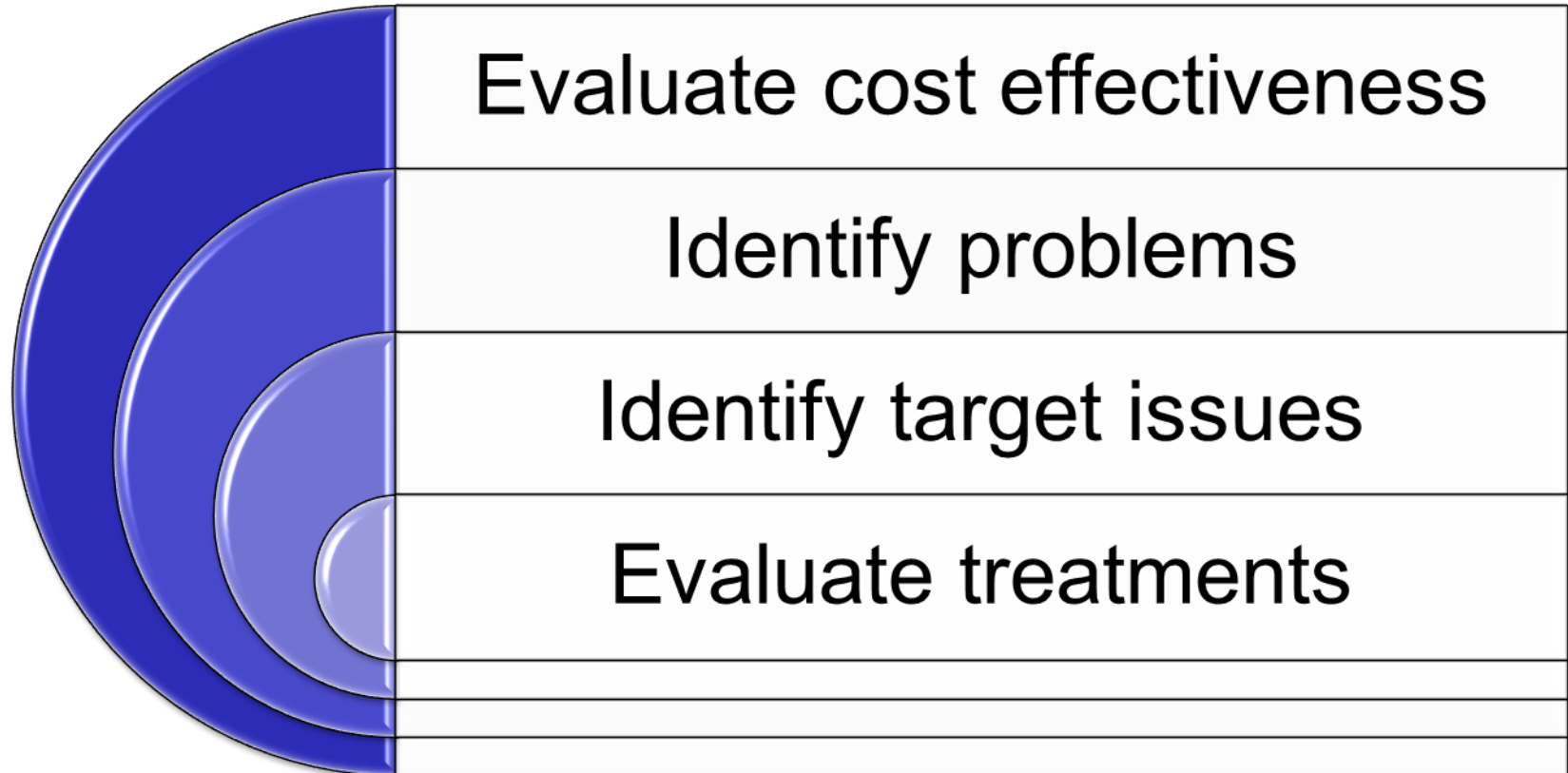
3/4

•Key questions asked/documentated

5/5

•Key interventions performed

EMS Research



Levels of EMS data






Local

State: RI
EMS
Information
System

National:
NEMESIS
v.3.3.4

Performance Measure Indicators



-  **Airway**
-  **Cardiac arrest**
-  **Pediatrics**
-  **Response**
-  **STEMI**
-  **Stroke**
-  **Trauma**



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