

GA EMS Data Discussion with ePCR Vendors

OEMS /Wednesday, 03/17/2021



Please put in the chat box

- Your name
- Vendor name

Agenda

- Upcoming Rules
- Current Issues with Rules
- Expectations of Vendors
- Questions

UPCOMING RULES



GA Rule 988 – Rule **revised** to only trigger when the temperature method is not recorded when the vitals were taken by this unit - so vitals taken before this EMS unit arrives are excluded from this rule

Temperature Method (eVitals.25) is required when recording temperature

ID: 988

Points ⓘ

Error Message ⓘ

Notes ⓘ

Level ⓘ

Schematron Export: ⓘ

Closed Call ⓘ

Active ⓘ

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

eVitals.25
Temperature Method **x will flag red if:**

eVitals.24
Temperature is not blank

and

eVitals.25
Temperature Method is blank

and

eTimes.03
Unit Notified by Dispatch Date/Time is before midnight (0:00) on 2021-01-01

and

eVitals.02
Obtained Prior to this Units EMS Care is equal to No

and...

or...

GA Rule 2514 – Rule **revised** to only trigger when the temperature method is not recorded when the vitals were taken by this unit - so vitals taken before this EMS unit arrives are excluded from this rule

Rule set to “Error” level effective 1/1/2021

Temperature Method (eVitals.25) is required when recording temperature (error)

ID: 2514

Points ⓘ

Error Message ⓘ
Temperature Method (eVitals.25) is required when recording temperature (error)

Notes ⓘ

Level ⓘ

Schematron Export: ⓘ

Closed Call ⓘ Yes No

Active ⓘ Yes No

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

eVitals.25

Temperature Method **x will flag red if:**

eVitals.24

Temperature is not blank or...

and

eVitals.25

Temperature Method is blank or...

and

eTimes.03

Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2021-01-01 or...

and

eVitals.02

Obtained Prior to this Units EMS Care is equal to No or...

and...

or...

GA Rule 1665 – Rule **revised**; added BLS Transport Authorized by COVID-19 Emergency Rule criteria

Ground Ambulance Transports require a minimum of 2 medics (eCrew.02)

ID: 1665

Points ⓘ	<input type="text" value="5"/>
Error Message ⓘ	<input type="text" value="Ground Ambulance Transports require a minimum of 2 medics"/>
Notes ⓘ	<input type="text"/>
Level ⓘ	<input type="text" value="State"/>
Schematron Export: ⓘ	<input type="text" value="Yes = Error"/>
Closed Call ⓘ	<input type="button" value="Yes"/> <input type="button" value="No"/>
Active ⓘ	<input type="button" value="Yes"/> <input type="button" value="No"/>

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

Warning: No comparison exists for the field that is selected to flag red

eCrew.02
Crew Member Level **x will flag red if:**

eTimes.03
Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2020-09-01

and

eResponse.07
Primary Role of the Unit is equal to Ground Ambulance

and

eDisposition.12
Incident/Patient Disposition is one of these values: Patient Treated, Transported by this EMS Unit ; Patient Transported to Landing Zone, Care Transferred ; Patient Dead at Scene- Resuscitation Attempted (With Transport) ; Patient Dead at Scene-No Resuscitation Attempted (With Transport) ; Patient Refused Evaluation/Care (With Transport)

and

The number of Crew Members where *eCrew.02* Crew Member Level is one of these values: EMT ; EMT-I ; AEMT ; CT ; Paramedic ; Nurse Practitioner ; Physician ; Physician Assistant ; Respiratory Therapist ; RN
 is less than 2

and

eDisposition.12
Incident/Patient Disposition is not equal to BLS Transport Authorized by COVID-19 Emergency Rule

GA Rule 1666 – Rule **revised**; added BLS Transport Authorized by COVID-19 Emergency Rule criteria

Ground Ambulance Transports require a minimum of 2 medics (eCrew.02) (grid)

ID: 1666

Points ⓘ	<input type="text" value="5"/>
Error Message ⓘ	<input type="text" value="Ground Ambulance Transports require a minimum of 2 medics"/>
Notes ⓘ	<input type="text"/>
Level ⓘ	<input type="text" value="State"/>
Schematron Export: ⓘ	<input type="text" value="Yes = Error"/>
Closed Call ⓘ	<input type="button" value="Yes"/> <input type="button" value="No"/>
Active ⓘ	<input type="button" value="Yes"/> <input type="button" value="No"/>

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

Crew Members **x will flag red if:**

eTimes.03
Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2020-09-01

and

eResponse.07
Primary Role of the Unit is equal to Ground Ambulance

and

eDisposition.12
Incident/Patient Disposition is one of these values: Patient Treated, Transported by this EMS Unit ; Patient Transported to Landing Zone, Care Transferred ; Patient Dead at Scene- Resuscitation Attempted (With Transport) ; Patient Dead at Scene-No Resuscitation Attempted (With Transport) ; Patient Refused Evaluation/Care (With Transport)

and

The number of *eCrew.02* Crew Members where Crew Member Level is one of these values: EMT ; EMT-I ; AEMT ; CT ; Paramedic ; RN ; Nurse Practitioner ; Physician ; Physician Assistant ; Respiratory Therapist

and... is less than 2

and

eDisposition.12
Incident/Patient Disposition is not equal to BLS Transport Authorized by COVID-19 Emergency Rule

and...

or...

GA Rule 1678 – Rule **revised** to only include ground transports with patient transport

On-Scene Odometer Reading (eResponse.20) required on all calls with Patient Transport

ID: 1678

Points ⓘ	<input type="text" value="1"/>
Error Message ⓘ	<div>On-Scene Odometer Reading (eResponse.20) required on all calls with Patient Transport.</div>
Notes ⓘ	<div></div>
Level ⓘ	<input type="text" value="State"/>
Schematron Export: ⓘ	<input type="text" value="Yes = Error"/>
Closed Call ⓘ	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active ⓘ	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

eResponse.20
On-Scene Odometer Reading of Responding Vehicle **x will flag red if:**

eDisposition.12
Incident/Patient Disposition is one of these values: Patient Treated, Transported by this EMS Unit ; Patient Transported to Landing Zone, Care Transferred ; Patient Dead at Scene- Resuscitation Attempted (With Transport) ; Patient Dead at Scene-No Resuscitation Attempted (With Transport) ; Patient Refused Evaluation/Care (With Transport) ; BLS Transport Authorized by COVID-19 Emergency Rule

and

eResponse.20
On-Scene Odometer Reading of Responding Vehicle is blank

and

eTimes.03
Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2020-09-01

and

eResponse.07
Primary Role of the Unit is one of these values: Ground Ambulance ; Ground Critical Care (Licensed Neonatal Ambulance Transports Only) ; Community Paramedicine

and...

GA Rule 1679 – Rule **revised** to only include ground transports with patient transport

Patient Destination Odometer Reading (eResponse.21) required on all calls that are transports

ID: 1679

Points ⓘ	<input type="text" value="1"/>
Error Message ⓘ	<div>Patient Destination Odometer Reading (eResponse.21) required on all calls that are transports.</div>
Notes ⓘ	<div></div>
Level ⓘ	<input type="text" value="State"/>
Schematron Export: ⓘ	<input type="text" value="Yes = Error"/>
Closed Call ⓘ	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Active ⓘ	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

eResponse.21

Patient Destination Odometer Reading of Responding Vehicle ✕ **will flag red if:**

eDisposition.12

Incident/Patient Disposition is one of these values: [Patient Treated, Transported by this EMS Unit](#) ; [Patient Transported to Landing Zone, Care Transferred](#) ; [Patient Dead at Scene- Resuscitation Attempted \(With Transport\)](#) ; [Patient Dead at Scene-No Resuscitation Attempted \(With Transport\)](#) ; [Patient Refused Evaluation/Care \(With Transport\)](#) ; [BLS Transport Authorized by COVID-19 Emergency](#)

Rule ✕ [or...](#)

and

eResponse.21

Patient Destination Odometer Reading of Responding Vehicle is blank ✕ [or...](#)

and

eTimes.03

Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2020-09-01 ✕ [or...](#)

and

eResponse.07

Primary Role of the Unit is one of these values: [Ground Ambulance](#) ; [Ground Critical Care \(Licensed Neonatal Ambulance Transports Only\)](#) ; [Community Paramedicine](#) ✕ [or...](#)

and...

[or...](#)

GA Rule 2328 – Rule revised; changed point value to 1

GA CARES Rule - Sustained ROSC 20 Consecutive Minutes (CARES-31 | itArrest.012) when End of EMS Cardiac Arrest Event (CARES-33 | eArrest.18) is "Expired in the Field"

ID: 2328

Points ⓘ

1

Error Message ⓘ

The "Sustained ROSC (20 Consecutive Minutes)" field should not be "Yes, pulse at end of EMS Care (or ED Arrival)" when "End of EMS Cardiac Arrest Event" field is "Expired in the Field"

Notes ⓘ

IT #953

Level ⓘ

State ▼

Schematron Export: ⓘ

Yes = Warning ▼

Closed Call ⓘ

Yes

No

Active ⓘ

Yes

No

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

itArrest.012

Sustained ROSC (20 consecutive minutes) ✕ **will flag red if:**

itArrest.012

Sustained ROSC (20 consecutive minutes) is equal to Yes, pulse at end of EMS care (or ED arrival) ✕

or...

and

eArrest.18

End of EMS Cardiac Arrest Event is equal to Expired in the Field ✕ or...

and

eTimes.03

Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2020-09-01 ✕ or...

and...

or...

GA Rule 2410 – Rule **revised**; removed Pertinent Negatives (PN) and Not Values (NV)

Date/Time Last Known Well (eSituation.18) is required when possible injury

ID: 2410

Points ⓘ

1

Error Message ⓘ

Date/Time Last Known Well (eSituation.18) is required when possible injury. For injury or trauma related events, this is the date and time the patient was injured.

Notes ⓘ

Level ⓘ

State ▼

Schematron Export: ⓘ

Yes = Warning ▼

Closed Call ⓘ

Yes

No

Active ⓘ

Yes

No

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

eSituation.18

Date/Time Last Known Well **x will flag red if:**

eSituation.02

Possible Injury is equal to Yes **x** or...

and

eSituation.18

Date/Time Last Known Well is blank **x** or...

and

eTimes.03

Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2020-09-01 **x** or...

and

eTimes.03

Unit Notified by Dispatch Date/Time is before midnight (0:00) on 2021-06-30 **x** or...

and...

or...

GA Rule 2411 – Rule **revised**; removed Pertinent Negatives (PN) and Not Values (NV).

Rule set to “Error” level effective 6/30/2021

Date/Time Last Known Well (eSituation.18) is required when possible injury - error

ID: 2411

Points ⓘ

Error Message ⓘ
Date/Time Last Known Well (eSituation.18) is required when possible injury. For injury or trauma related events, this is the date and

Notes ⓘ

Level ⓘ

Schematron Export: ⓘ

Closed Call ⓘ

Active ⓘ

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

eSituation.18

Date/Time Last Known Well ✖ will flag red if:

eSituation.02

Possible Injury is equal to Yes ✖ or...

and

eSituation.18

Date/Time Last Known Well is blank ✖ or...

and

eTimes.03

Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2021-06-30 ✖ or...

or...

eSituation.18 - Date/Time Last Known Well

Definition

The estimated date and time the patient was last known to be well or in their usual state of health. This is described or estimated by the patient, family, and/or bystanders.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Constraints

Data Type **minInclusive** **maxInclusive**
 dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

Pattern
 [0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

For stroke related events, this is the date and time the patient was last seen normal. For cardiac or respiratory arrest related events, this is the date and time the patient was last known to have a pulse or when interaction was had with the patient. For drowning related events, this is the date and time the patient was last seen. For injury or trauma related events, this is the date and time the patient was injured.

GA Rule 2557 – **New Rule set to “Error” level effective 3/31/2021.** Rule published on 10/9/2020

Destination/Transported To, Code (eDisposition.02) is required on all transports (error)

ID: 2557

Points ⓘ

Error Message ⓘ

Notes ⓘ

Level ⓘ

Schematron Export: ⓘ

Closed Call ⓘ

Active ⓘ

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

eDisposition.02

Destination/Transferred To, Code ✖ **will flag red if:**

eDisposition.12

Incident/Patient Disposition is one of these values: Patient Treated, Transported by this EMS Unit ; Patient Dead at Scene- Resuscitation Attempted (With Transport) ; Patient Dead at Scene-No Resuscitation Attempted (With Transport) ; Patient Refused Evaluation/Care (With Transport) ; BLS Transport Authorized by COVID-19 Emergency Rule ✖

and

eDisposition.02

Destination/Transferred To, Code is blank ✖

and

eTimes.03

Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2021-03-31 ✖

and

GA Rule 2392 – **New Rule set to “Error” level effective 6/30/2021.** Rule published on 10/9/2020

Cause of Injury (eInjury.01) is required on all patients with possible injury - error

ID: 2392

Points ⓘ

1

Error Message ⓘ

Cause of Injury (eInjury.01) is required on all patients with possible injury

Notes ⓘ

Level ⓘ

State ▼

Schematron Export: ⓘ

Yes = Error ▼

Closed Call ⓘ

Yes

No

Active ⓘ

Yes

No

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

eInjury.01

Cause of Injury **x will flag red if:**

eSituation.02

Possible Injury is equal to Yes x or...

and

eInjury.01

Cause of Injury is blank x or...

and

eTimes.03

Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2021-06-30 x or...

and...

or...

GA Rule 2394 – **New Rule set to “Error” level effective 6/30/2021.** Rule published on 10/9/2020

Mechanism of Injury (eInjury.02) is required on all patients with possible injury - error

ID: 2394

Points ⓘ	<input type="text" value="1"/>
Error Message ⓘ	<div>Mechanism of Injury (eInjury.02) is required on all patients with possible injury</div>
Notes ⓘ	<div></div>
Level ⓘ	State ▾
Schematron Export: ⓘ	Yes = Error ▾
Closed Call ⓘ	<input checked="" type="button" value="Yes"/> <input type="button" value="No"/>
Active ⓘ	<input checked="" type="button" value="Yes"/> <input type="button" value="No"/>

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

eInjury.02
Mechanism of Injury **x will flag red if:**

- eSituation.02*
Possible Injury is equal to Yes x
- and
- eInjury.02*
Mechanism of Injury is blank x
- and
- eTimes.03*
Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2021-06-30 x
- and...
-

GA Rule 2395 – **New Rule set to “Error” level effective 6/30/2021.** Rule published on 10/9/2020

Trauma Center Criteria (elnjury.03) is required on possible injuries - error

ID: 2395

Points **i**

Error Message **i**

Notes **i**

Level **i**

Schematron Export: **i**

Closed Call **i**

Active **i**

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

elnjury.03

Trauma Center Criteria **x** will flag red if:

eSituation.02

Possible Injury is equal to Yes **x** or...

and

elnjury.03

Trauma Center Criteria is blank **x** or...

and

elnjury.03

Trauma Center Criteria (NV) is not equal to Not Applicable **x** or...

and

eTimes.03

Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2021-06-30 **x** or...

and...

or...

GA Rule 2397 – **New Rule set to “Error” level effective 6/30/2021.** Rule published on 10/9/2020

Vehicular, Pedestrian, or Other Injury Risk Factor (eInjury.04) is required on all patients with possible injury - error

ID: 2397

Points ⓘ

Error Message ⓘ Vehicular, Pedestrian, or Other Injury Risk Factor (eInjury.04) is required on all patients with possible injury

Notes ⓘ

Level ⓘ

Schematron Export: ⓘ

Closed Call ⓘ

Active ⓘ

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

eInjury.04

Vehicular, Pedestrian, or Other Injury Risk Factor **x will flag red if:**

eSituation.02

Possible Injury is equal to Yes

and

eInjury.04

Vehicular, Pedestrian, or Other Injury Risk Factor is blank

and

eInjury.04

Vehicular, Pedestrian, or Other Injury Risk Factor (NV) is not equal to Not Applicable

and

eTimes.03

Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2021-06-30

and...

or...

GA Rule 2885 – **New Rule set to “Warning” level effective 6/30/2021.** Rule added on 3/11/2021

If Patient Dead at Scene - No Resuscitation (eDisposition.12), Cardiac Arrest (eArrest.01) should be equal to No

ID: 2885

Points ⓘ

Error Message ⓘ
If Patient Dead at Scene - No Resuscitation (eDisposition.12), Cardiac Arrest (eArrest.01) should be equal to No

Notes ⓘ

Level ⓘ

Schematron Export: ⓘ

Closed Call ⓘ

Active ⓘ

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

eArrest.01
Cardiac Arrest **x will flag red if:**

eArrest.01
Cardiac Arrest is one of these values: Yes, After EMS Arrival ; Yes, Prior to EMS Arrival x of...

and

eDisposition.12
Incident/Patient Disposition is one of these values: Patient Dead at Scene-No Resuscitation Attempted (No Transport) ; Patient Dead at Scene-No Resuscitation Attempted (With Transport) x

of...

and

eTimes.03
Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2021-06-30 of...

and...

of...

CURRENT ISSUES WITH VALIDATION RULES

Added to Schematron on 1/4/2019

Validation Rule Properties

Undo

Back

More

Save

Incident County (eScene.21) is required on ALL calls

ID: 1670

Points **i**

Error Message **i**

Notes **i**

Level **i**

Schematron Export: **i**

Closed Call **i** Yes No

Active **i** Yes No

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

eScene.21

Incident County **x** will flag red if:

eScene.21

Incident County is blank **x** or...

and

eTimes.03

Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2020-05-01 **x** or...

and...

or...

Turns to Error on 6/30/2021

Validation Rule Properties

Date/Time Last Known Well (eSituation.18) is required when possible injury

ID: 2410

Points ⓘ

Error Message ⓘ

Notes ⓘ

Level ⓘ

Schematron Export: ⓘ

Closed Call ⓘ

Active ⓘ

Undo

Back

More

Save

Warning: Rule modifications are not applied to existing records until opened or until validation is bulk executed from the record's list page.

eSituation.18

Date/Time Last Known Well **x will flag red if:**

eSituation.02

Possible Injury is equal to Yes **x**

and

eSituation.18

Date/Time Last Known Well is blank **x**

and

eTimes.03

Unit Notified by Dispatch Date/Time is after midnight (0:00) on 2020-09-01 **x**

and

eTimes.03

Unit Notified by Dispatch Date/Time is before midnight (0:00) on 2021-06-30 **x**

and...

eSituation.18 - Date/Time Last Known Well

Definition

The estimated date and time the patient was last known to be well or in their usual state of health. This is described or estimated by the patient, family, and/or bystanders.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

Associated Performance Measure Initiatives

Airway Cardiac Arrest Pediatric STEMI Stroke Trauma

Constraints

Data Type **minInclusive** **maxInclusive**
 dateTime 1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

Pattern
 [0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

Data Element Comment

For stroke related events, this is the date and time the patient was last seen normal. For cardiac or respiratory arrest related events, this is the date and time the patient was last known to have a pulse or when interaction was had with the patient. For drowning related events, this is the date and time the patient was last seen. For injury or trauma related events, this is the date and time the patient was injured.

EXPECTATIONS OF ePCR VENDORS



NOTES

- Just because NEMESIS allows something in schema does NOT mean that the value are accepted in all situations
 - Optional for the NEMESIS XML file does NOT necessarily mean Optional for state submission

Expectations of ePCR Vendors

- Apply Schematron updates in a timely manner
- Use the correct GA facilities codes and agency IDs
- Must NOT default answers for the medics or agencies
- Must be completely NEMESIS 3.4 compliant NOW
- Must be completely NEMESIS 3.5 compliant before 1/1/2022
- Must NOT show “Not Recorded” or “Not Reporting” for medics to click on
- MUST show validation rule error messages to end user
- XML Files should be sent on a continuous basis throughout the day – do not bulk send multiple files at one point during the day
- XML Files must contain only one run
- While labels of values/elements may change – the definition may NOT

NOT Value Definition Descriptions

NEMESIS V3 Overview Document Description of NOT Values

NOT Values have been condensed in Version 3.

1. **Not Applicable:** The data element is not applicable or pertinent to the EMS event, assessment or, intervention. This value should be available to the data-entry user.
2. **Not Recorded:** The data element is considered applicable to the EMS event, but was left blank by the data-entry user. The EMS software should auto-populate blank fields with "Not Recorded" at the time of export. This value should not be available to the data-entry user.
3. **Not Reporting:** The data element is not be collected by the EMS agency or state. This NOT value does not apply to National elements where "Usage = Required". The EMS software should auto-populate the data fields not collected with "Not Reporting" when exporting the record. This value should not be available to the data-entry user.

Questions? And Open Discussion
