## GA EMS Agencies Data Discussion on Validation Rules

OEMS/April 13<sup>th</sup>-14<sup>th</sup> Cassie Longhart/Dipti Patel



# Agenda

- Upcoming Validation Rules
- Current Issues with Validation Rules and Data Submissions
- Last Known Well Time Data Element Explanation
- Expectations of EMS Agencies and ePCR Vendors
- NOT Values Description Definitions

# NEMSIS & Georgia Resources

- NEMSIS GA State Page
  - https://nemsis.org/state-data-managers/state-map-v3/georgia
  - o Resources available on this page:
    - ☐ GA Change Log (Data Managers and ePCR vendors are requested to review this)
    - ☐ GA Facilities Excel Spreadsheet
    - GA Validity Rule Excel Spreadsheet (the full definition and description of each validation rule number can be found in this spreadsheet)
    - □ GA Data Dictionary
    - □ GA State Data Set
    - Schematron File
- NEMSIS Version 3.4 Data Dictionary
  - https://nemsis.org/media/nemsis\_v3/release-3.4.0/DataDictionary/PDFHTML/DEMEMS/index.html
- Georgia State GEMSIS Website
  - https://dph.georgia.gov/EMS/gemsis

## UPCOMING VALIDATION RULE CHANGES



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## VALIDATION RULES DEFINITIONS

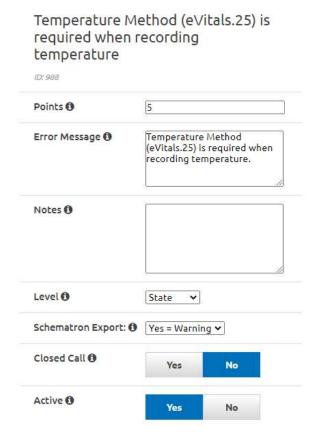


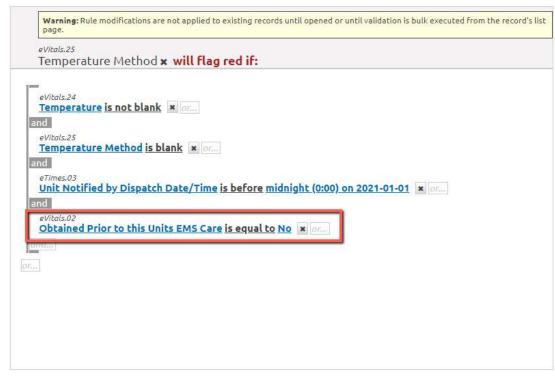
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# Definitions/Terms

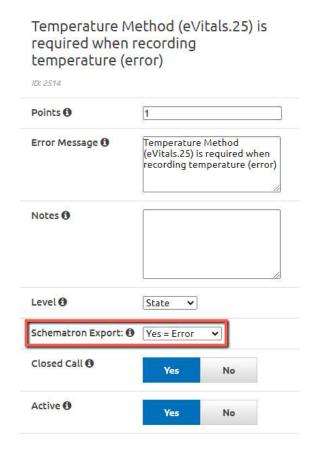
- Validity: the complete and accurate validation of the data in each PCR
- Points (Validity):
  - Range of 1-5
  - Points are deducted from the total validation score of the individual PCR
  - This score represents the overall completeness of the PCR
- Warning: data is not complete or logical for the data element
  - Points deducted for warnings
  - Not Complete Date LKWT not recorded for a Stroke/Trauma Patient
  - Logical- Time at hospital is prior to time depart scene
- Error: Required state/national data element is incomplete or not valid
  - GEMSIS Elite user PCR will not meet closed call rules and/or post
  - 3<sup>rd</sup> Party PCR systems The PCR data will fail import to GEMSIS Elite

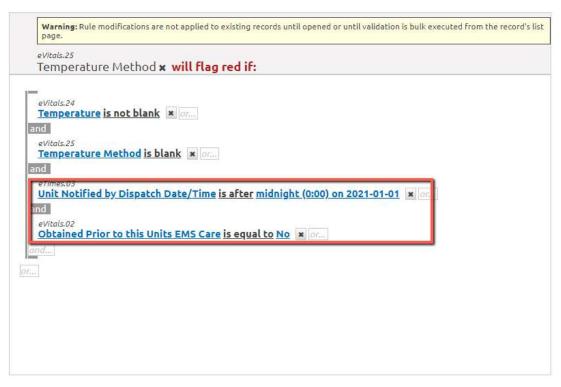
GA Rule 988 – Rule revised to only trigger when the temperature method is not recorded when the vitals were taken by this unit - so vitals taken before this EMS unit arrives are excluded from this rule



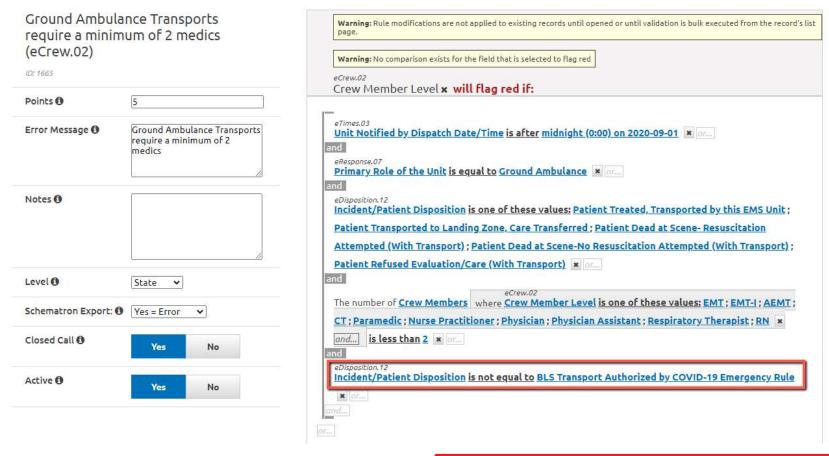


GA Rule 2514 – Rule revised to only trigger when the temperature method is not recorded when the vitals were taken by this unit - so vitals taken before this EMS unit arrives are excluded from this rule. Rule set to "Error" level effective 1/1/2021. Revised rule published on 3/23/2021

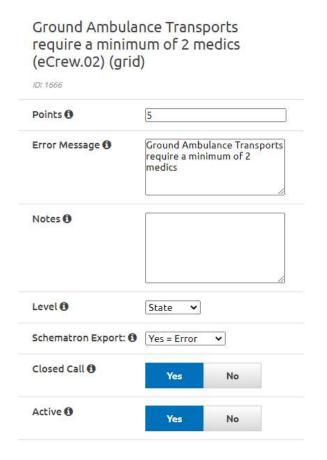


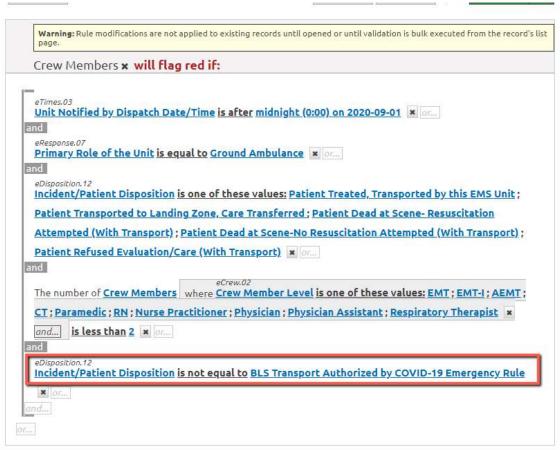


GA Rule 1665 – Rule revised; added BLS Transport Authorized by COVID-19 Emergency Rule criteria. Revised rule published on 3/23/2021

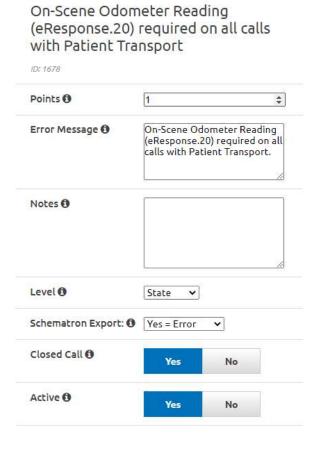


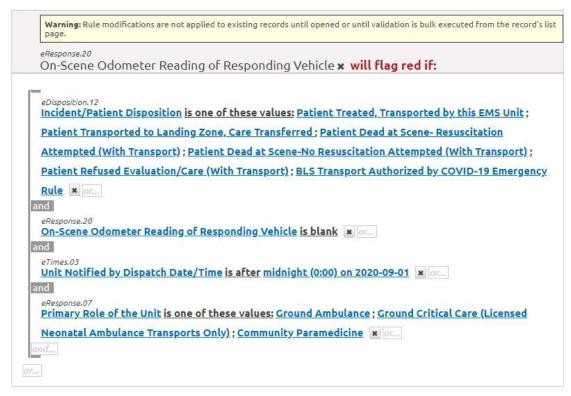
GA Rule 1666 – Rule revised; added BLS Transport Authorized by COVID-19 Emergency Rule criteria. Revised rule published on 3/23/2021





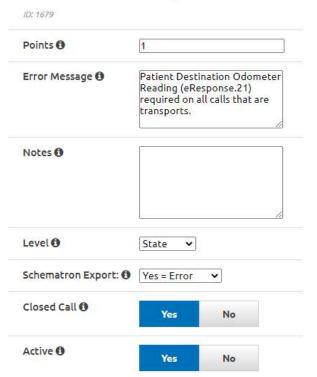
GA Rule 1678 – Rule revised to only include ground transports with patient transport. Revised rule published on 3/23/2021

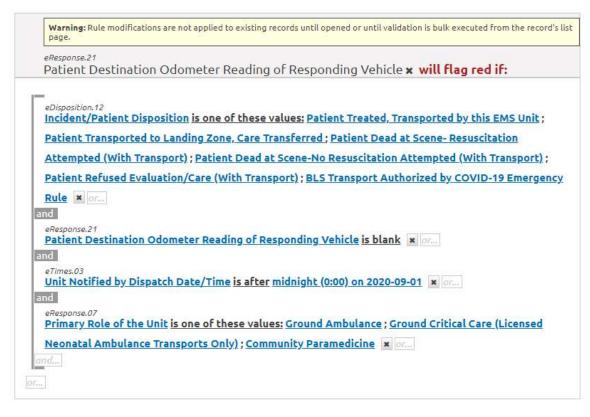




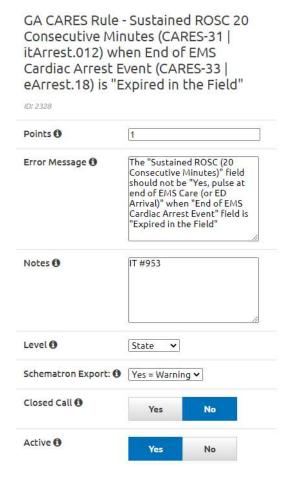
GA Rule 1679 – Rule revised to only include ground transports with patient transport. Revised rule published on 3/23/2021

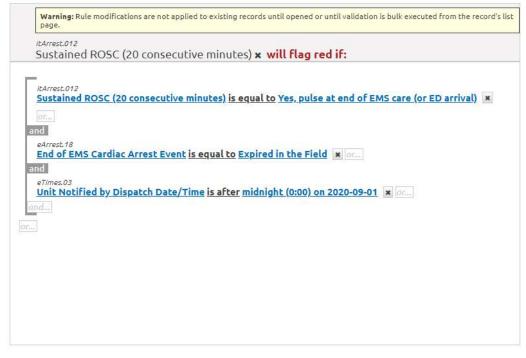
Patient Destination Odometer Reading (eResponse.21) required on all calls that are transports





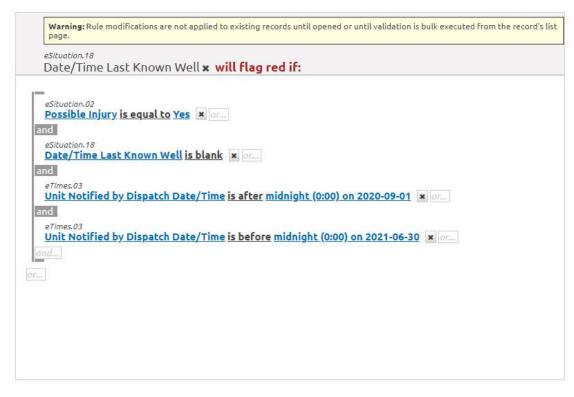
#### GA Rule 2328 – Rule revised; changed point value to 1. Revised rule published on 3/23/2021





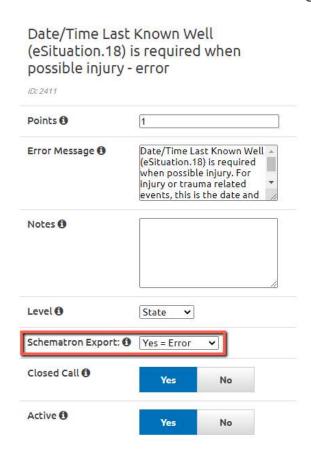
GA Rule 2410 – Rule revised; removed Pertinent Negatives (PN) and Not Values (NV). Revised rule published on 3/23/2021

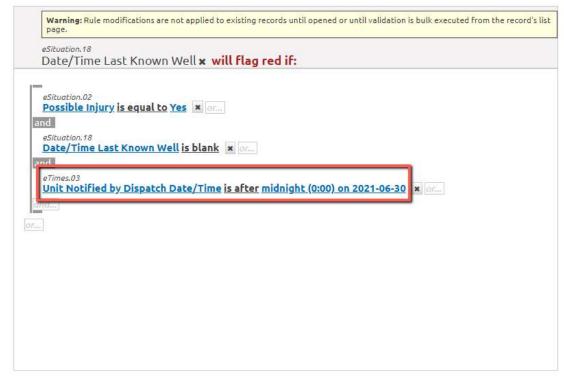




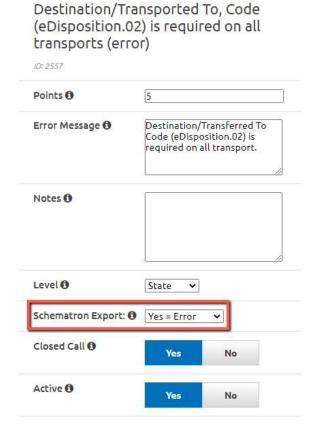
### GA Rule 2411 – New rule set to "Error" level effective 6/30/2021. Rule published on 10/9/2020

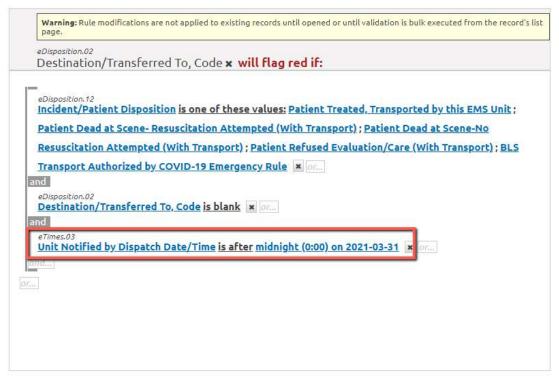
Rule revised to remove Pertinent Negatives (PN) and Not Values (NV). Revised rule published on 3/23/2021



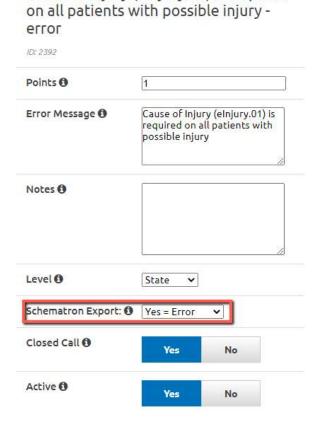


### GA Rule 2557 – New Rule set to "Error" level effective 3/31/2021. Rule published on 10/9/2020





## GA Rule 2392 – New rule set to "Error" level effective 6/30/2021. Rule published on 10/9/2020

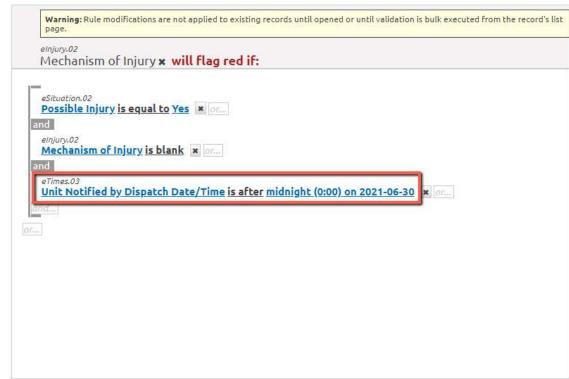


Cause of Injury (elnjury.01) is required

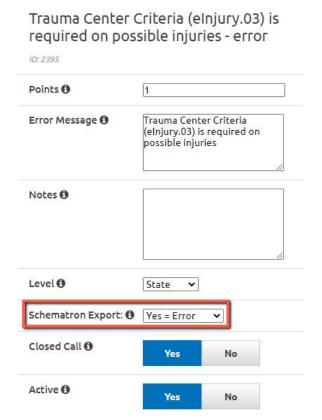


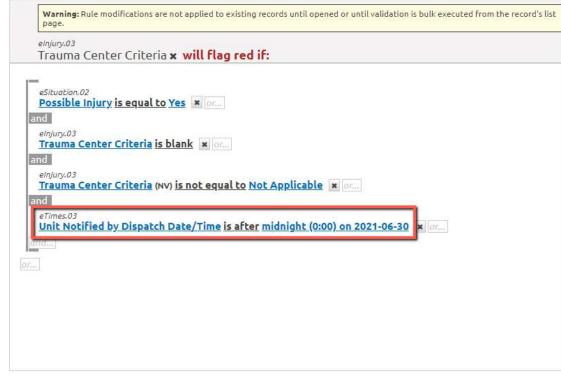
## GA Rule 2394 – New rule set to "Error" level effective 6/30/2021. Rule published on 10/9/2020





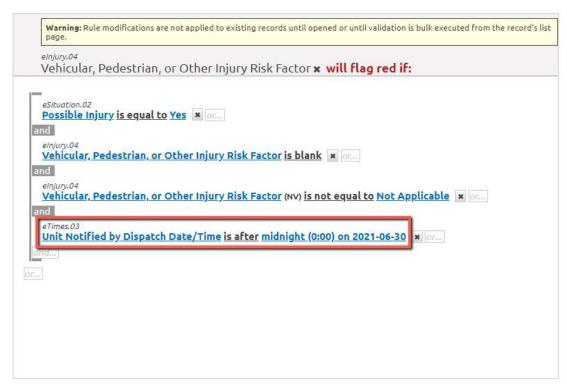
## GA Rule 2395 – New rule set to "Error" level effective 6/30/2021. Rule published on 10/9/2020



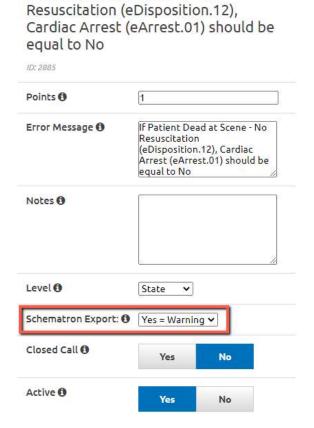


### GA Rule 2397 – New rule set to "Error" level effective 6/30/2021. Rule published on 10/9/2020





### GA Rule 2885 – New rule set to "Warning" level effective 6/30/2021. Rule published on 3/23/2021



If Patient Dead at Scene - No



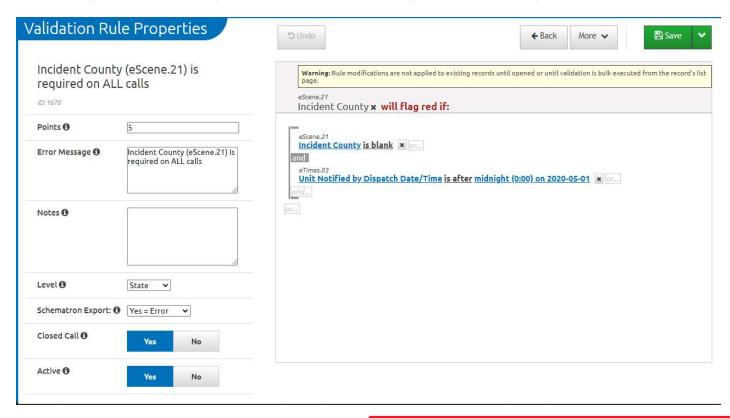
## CURRENT ISSUES WITH VALIDATION RULES AND DATA SUBMISSIONS



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Previous Validation Rule only required if the unit made it on scene, Validation Rule 1670 changed on 5/1/20 to be required on **ALL** Responses

All responses are required to have a county listed for response location



# This is not just for stroke patient documentation!

#### eSituation.18

#### 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

STEMI Airway Cardiac Arrest Pediatric Stroke Trauma

#### Constraints

Data Type minInclusive maxInclusive dateTime

1950-01-01T00:00:00-00:00 2050-01-01T00:00:00-00:00

#### Pattern

 $[0-9]\{4\}-[0-9]\{2\}-[0-9][2]-[0-9]-$ 

#### Data Element Comment Addition to the definition

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 EMS AGENCIES AND ePCR VENDORS



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## NOTES

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

# Expectations of EMS Agencies

- EMS Agencies are ultimately responsible for accurate and timely data submission
- EMS Agencies are **responsible** for educating their medics on all validation rules
- EMS Agencies are **responsible** to make sure that Schematron updates/validation rules are applied in a timely manner
- EMS Agencies are **responsible** for making sure that your ePCR vendor has applied the validation rules prior to go live date
- EMS Agencies **must** use the correct GA facilities codes
- ePCR forms must NOT show "Not Recorded" or "Not Reporting" for medics to click on
- All ePCRs should be sent on a continuous basis throughout the day within 24 hours of call completion
- Agencies using GEMSIS Elite (Direct Entry) must create and post the incident within 24 hours of call completion
- While labels of values/elements may change the definition of the field may NOT

# Expectations of ePCR Vendors

- Apply Schematron updates in a timely manner (validation rules) to your ePCR system
- Use the correct GA facilities codes and agency IDs
- Must NOT default answers for the medics or agencies
- ePCR vendors must be completely NEMSIS 3.4 compliant NOW
- ePCR vendors must be completely NEMSIS 3.5 compliant before 1/1/2022
- ePCR forms must NOT show "Not Recorded" or "Not Reporting" for medics to click on
- All ePCR forms must show validation rule error messages to the medics
- All ePCRs should be sent on a continuous basis throughout the day within 24 hours of call completion.
- While labels of values/elements may change the definition of the field may NOT

### **NOT Value Definition Descriptions**

NEMSIS V3 Overview Document Description of NOT Values

#### NOT Values have been condensed in Version 3.

- 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.

# NEMSIS Version 3.5.0 Coming Soon!

- NEMSIS Homepage: <u>www.nemsis.org</u>
- NEMSIS 3.5.0 Data Dictionary
  - https://nemsis.org/media/nemsis\_v3/release-3.5.0/DataDictionary/PDFHTML/EMSDEMSTATE/index.html
- More information on transition and timelines will be communicated with EMS Agencies once finalized.

# Questions

- State GEMSIS Website
  - https://dph.georgia.gov/EMS/gemsis
- If you have any questions, you may contact us @
  - o <u>Dph-phemsinfo@dph.ga.gov</u>
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