

Georgia OEMST Update – Epidemiology and Operations

OEMST / Friday, 04/08/2022

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First things first...

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Storm Damage

- Many counties have been significantly impacted by the recent storms this week
 - This has affected EMS agencies by:
 - ▣ Increasing call volume
 - ▣ Increasing the danger to your crews
 - ▣ Damaging your communities
 - ▣ Straining an already strained system
- If there is ever anything that OEMST can do for your agency, please reach out

Thank You!

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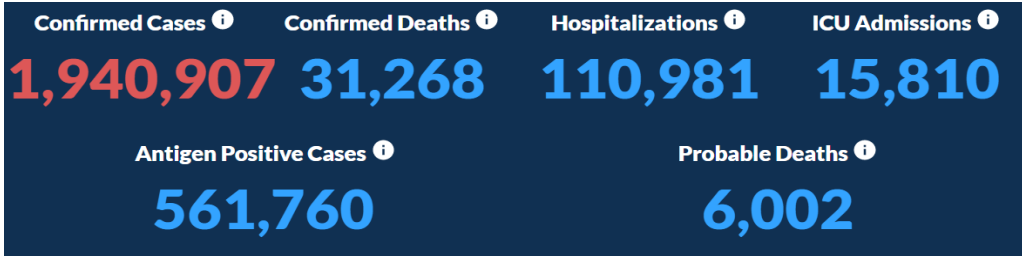
COVID-19 Epidemiology Report

Dr. Cherie Drenzek

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Epidemiology Report – Dr. Cherie Drenzek – graphs as of 4/7/2022
<https://dph.georgia.gov/covid-19-daily-status-report>

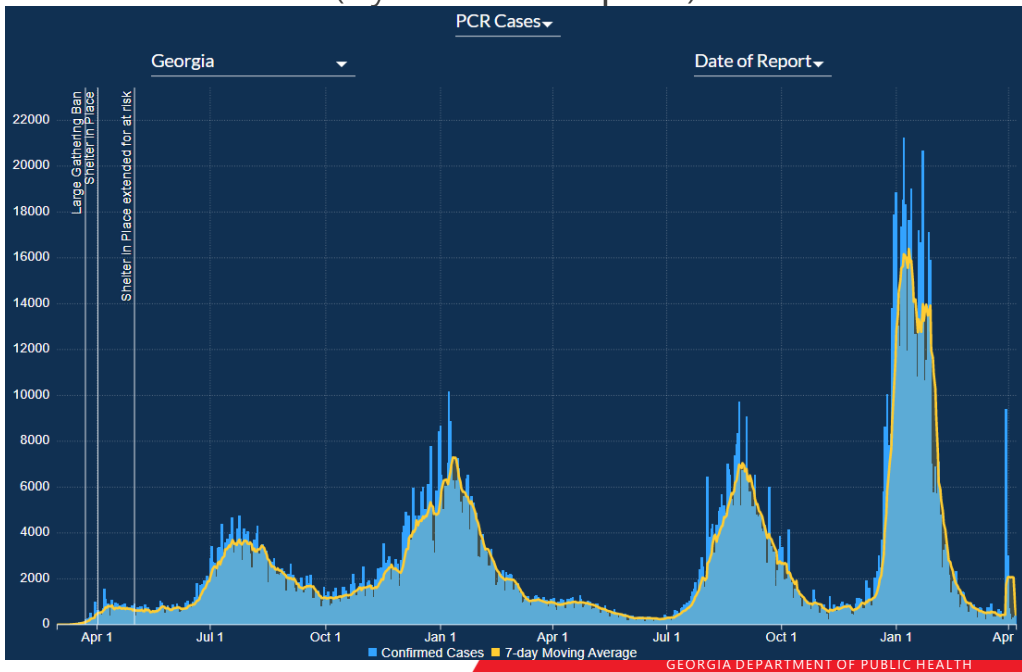


COVID-19 Testing ⓘ				
	Total PCR/ Molecular	PCR/Molecular Reported Today	Total Antigen	Total Antibody (Serology)
Number of Tests	17,587,432	15,550	6,090,020	737,980
Number of Positive Tests	2,164,901	376	564,982	233,363
% Positive	12.3%	2.4%	9.3%	31.6%

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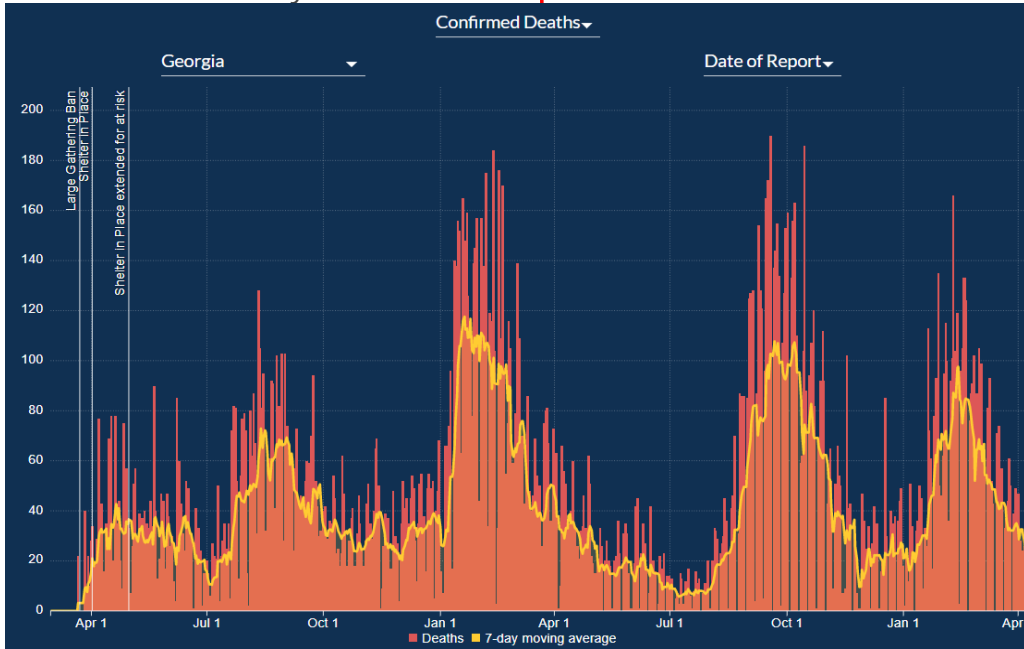
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PCR Cases Over Time (By date of report)



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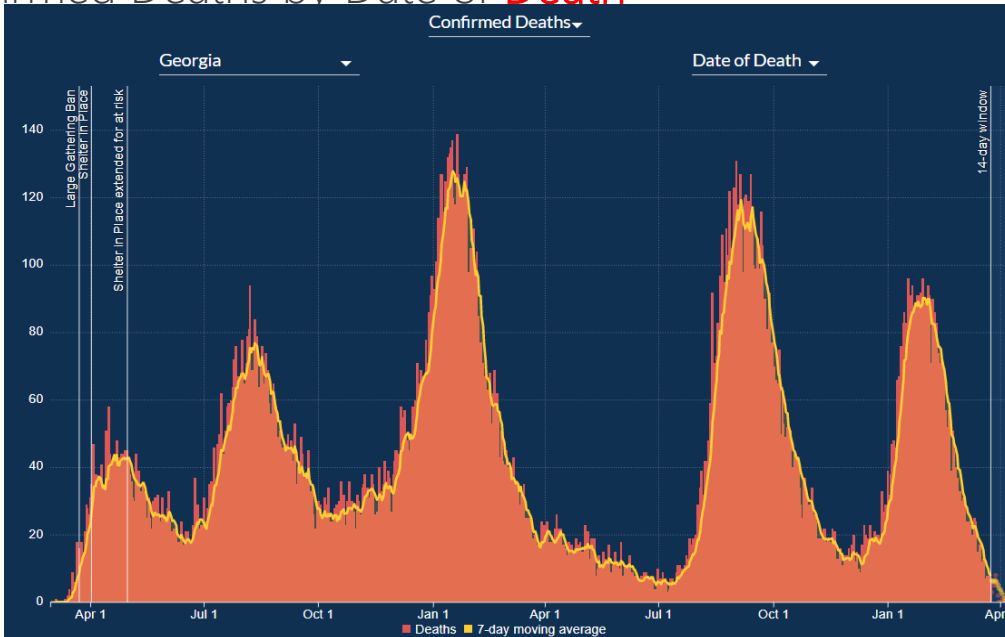
Confirmed Deaths by Date of Report



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Confirmed Deaths by Date of Death

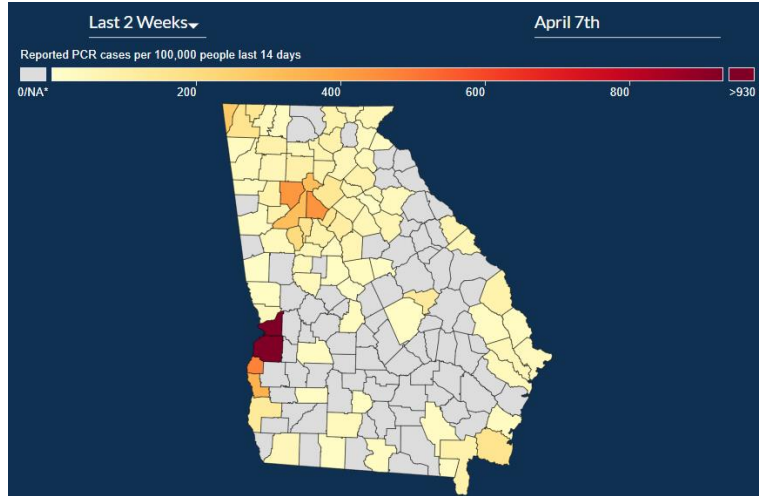


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Reported cases per 100,000 people last 14 days - as of 4/07/2022

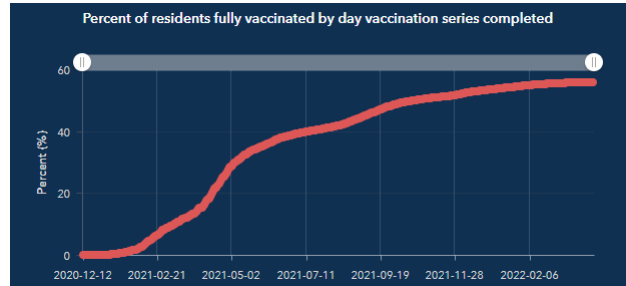
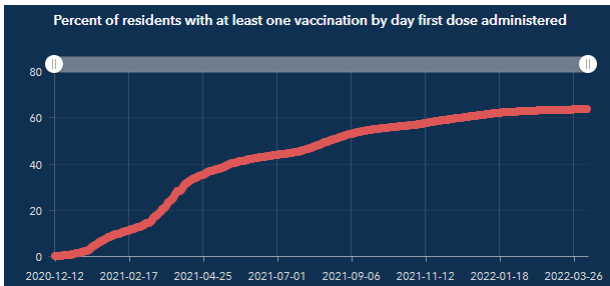
Georgia - April 07
 Cases (last 2 weeks): 17,160
 Cases per 100k (last 2 weeks): 158
 Cases (total): 1,940,907
 Cases per 100k (total): 17,916
 Population: 10,833,472



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Vaccination Rates (as of 4/07/2022)

At least 1 dose = 63%; Fully Vaccinated = 56%



View the most up-to-date data here:

- <https://experience.arcgis.com/experience/3d8eea39f5c1443db1743a4cb8948a9c>

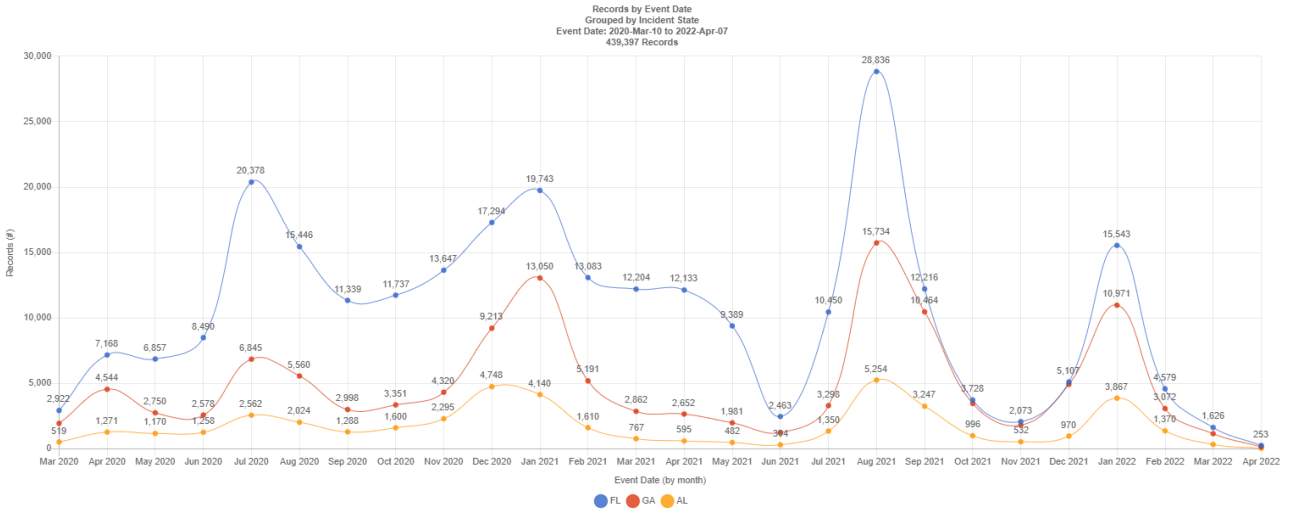
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Questions for Dr. Drenzek

- Epidemiology

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Calculated COVID-19 Syndrome – 3/10/2020 –4/7/2022, AL, FL, GA



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OEMST Position Updates

David Newton

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OEMST Position Updates

- RTC – Region 1: Scott Lewis
- Not yet in process to hire:
 - EMSC Coordinator
 - Licensing/Compliance Specialist
 - R3 Assistant Regional Director
 - R3 Part-time Safety/Compliance
 - State EMS Director
 - State EMS Medical Director

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Emergency Rule

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Current Emergency Rule

Emergency Rule 511-9-2-0.5 containing Rule 511-9-2-0.5-.12 entitled "Temporary Licenses and License Reinstatements for Emergency Medical Services Personnel for COVID-19 Response"

Rule became effective on 1/28/2022

Rule is effective till **5/27/2022** (120 days total)

Addresses EMS workforce related items:

- Temporary Compact License
- Reinstatements

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Reinstatements

Requirements:

- Previous Georgia non-provisional and non-temporary medic license
- License was in good standing when the license lapsed for failure to renew between March 31, 2019 and March 31, 2021 **(2019, 2020, 2021)**.
- Medics that expired March 31, 2022 are not eligible for the Reinstatement application. They must complete a Late Medic Renewal application.

Temporary Compact License

A license at the EMT, AEMT, or Paramedic level that is issued by the Department to a person who holds a current EMS license in good standing, including remote state privilege to practice, in another member state of the Interstate Commission for EMS Personnel Practice ("Compact").

License is good for 120 days (one-time at the respective application level)

Allows those medics to quickly begin working in Georgia while allowing them time (120 days) to gain full licensure.

Issued So Far (4/07/2022, 9:00am)

Temporary Compact Licenses = 1

Reinstatements (since this new Emergency Rule): N=52

- EMT = 19
- EMT-Intermediate = 11
- AEMT = 10
- Paramedic = 12

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Reinstatement and Temporary Compact Licenses

Information:

<https://dph.georgia.gov/EMS/georgia-oems-covid-19-workforce-options-ems-personnel>

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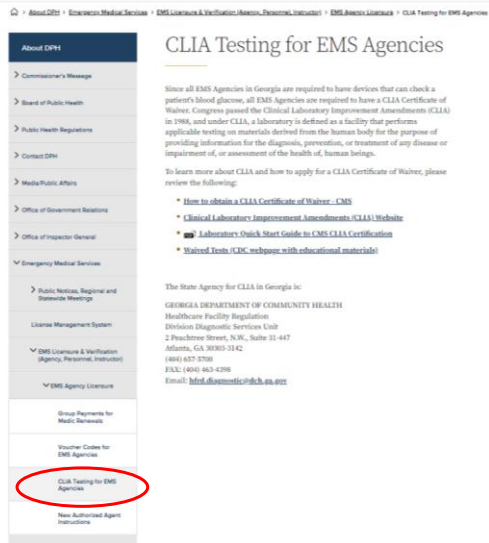
CLIA Certificate

Kelly Joiner

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CLIA Certificates

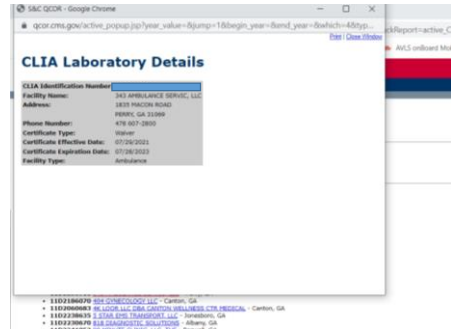
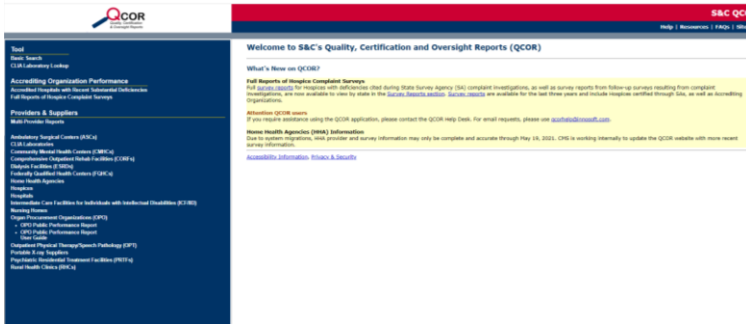
- CLIA Certificate of Waiver
- Federal mandate
- Administered by Department of Community Health (DCH)



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CLIA Certificates

- Starting April 1st all agencies will have to submit verification with Renewal application
- Online Search tool: <https://qcor.cms.gov/main.jsp>



NEMESIS v3.5

David Newton

NEMESIS v3.5 Transition

- Working to finalize Georgia's transition plan
- NEMESIS has started compliance testing with ePCR software vendors
 - Currently 11 ePCR software systems are v3.5 compliant
 - <https://nemsis.org/technical-resources/version-3/v3-compliant-software-and-compliance-testing-status/>
- All states must be fully transitioned to v3.5 before 2024

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ww.nemsis.org

medications
lab test 52%
vaccination 82%
BMI normal

10-may-14

DNA

patient #08001 / John Adams

gender ♂
age 23
HR 95 bpm
120/60

V3.5.0 REVISION

Careful consideration of posted requests for revisions to the NEMESIS 3.4.0 standard began in early October 2018, during the NEMESIS V3 implementation meeting, and continued through bimonthly V3 implementation webinars and NASEMSO Data Managers Committee calls. An initial release of v3.5.0 was made available in September 2019, with a critical patch following in November 2019.

List of v3.5 Resources

v3.5 KEY CHANGES FLYER

STATE AND VENDOR TRANSITION PLANS (xlsx)

WHY MOVE TO V3.5.0?

WHEN WILL CHANGES TAKE PLACE?

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Free CE Credit Course by the NEMSIS TAC and Prodigy EMS

The NEMSIS TAC partnered with Prodigy EMS to bring you an all-new course on ePCR documentation.

- This training provides an overview of NEMSIS and the recent changes implemented for the v3.5 standard.
- An expert panel will also discuss the important role that the EMS patient care report plays, as well as best documentation practices.

<https://frontend.prodigyems.com/class/9DF13D48-42C1-4FA8-91EB-EF1CD03790FA?tab=overview>

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NEMSIS Documentation Training



Overview Materials

Class Type: Distributive **Credit Hours:** 1 hour

This training will provide an overview of what the National Emergency Medical Services Information System (NEMSIS) and what changes were implemented for the 3.5 standards. Our expert panel will also discuss good documentation practices and the important role the EMS patient care report plays.

This class was made in partnership with the National Emergency Medical Services Information System (NEMSIS).

About NEMSIS

The National Emergency Medical Services Information System (NEMSIS) is the national database that is used to store EMS data from the U.S. States and Territories. NEMSIS is a universal standard for how patient care information resulting from an emergency 911 call for assistance is collected. NEMSIS is a collaborative system to improve patient care through the standardization, aggregation, and utilization of point of care EMS data at a local, state and national level. NEMSIS is a product of NHTSA's Office of EMS and in collaboration with the University of Utah is the host of the Technical Assistance Center (TAC).

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Biospatial Update

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Biospatial Update

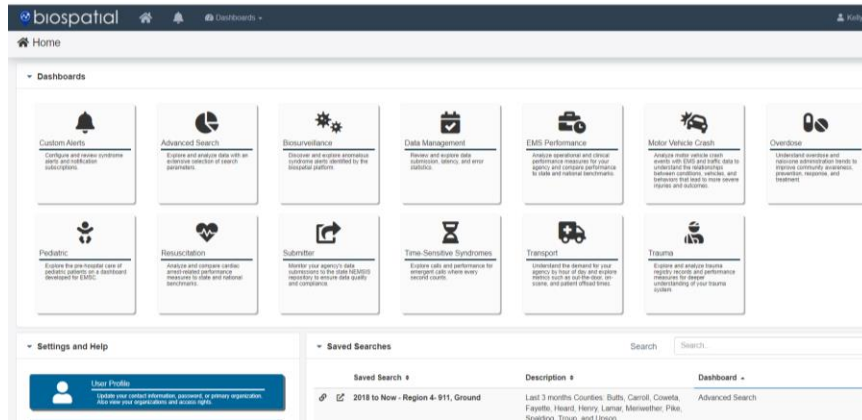
Changes to biospatial export are complete and we are back to near-real-time data:

- Previous delay = 8 hours
- Current delay = 4 hours (faster data in biospatial!)
- Changes in PCRs are now being sent to biospatial

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biospatial



- It's not as intimidating as you think it is!
- You can't break it or mess anything up!

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Recorded biospatial Training

- <https://dph.georgia.gov/EMS/gemis>

Biospatial (Data Visualizations for EMS Response Data)

The Georgia Office of EMS and Trauma has partnered with Biospatial to provide advanced data visualizations for EMS response data. All EMS agencies are able to access their own data using Biospatial at no cost. To gain access to Biospatial, please contact Dipti Patel (dipti.patel@dph.ga.gov). Only the designated EMS Data Manager for each agency will be given access to Biospatial by the Office of EMS and Trauma directly, and the EMS Data Manager can give access to other personnel at the EMS agency.

Links:

- [Biospatial Login](#)
- [Biospatial Homepage](#)

Biospatial Training

- **Friday, 5/7/2021**
 - Webinar with EMS Agencies
 - Link to recorded training: [CLICK HERE](#)
 - Password to access recorded training: YmxsP4tU

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Armbands

David Newton

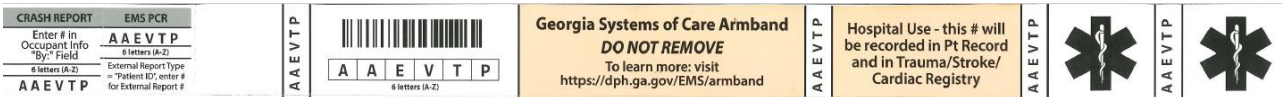
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Armbands

























Unique # to help deterministically link crash, EMS and Systems of Care registry records for patients

- Part of GOHS grant

We are in the process of developing the pilot process which will involve law enforcement, hospitals, and EMS in a pilot region.



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<p>CRASH REPORT EMS PCR</p> <p>Enter # in Occupant Info "By:" Field 6 letters (A-Z) AAEVT P</p> <p>External Report Type = "Patient ID", enter # for External Report #</p>	AAEVT P	 AAEVT P 6 letters (A-Z)	<p>Georgia Systems of Care Armband DO NOT REMOVE To learn more: visit https://dph.ga.gov/EMS/armband</p>	AAEVT P	Hospital Use - this # will be recorded in Pt Record and in Trauma/Stroke/Cardiac Registry		
<p>CRASH REPORT EMS PCR</p> <p>Enter # in Occupant Info "By:" Field 6 letters (A-Z) AAEVT O</p> <p>External Report Type = "Patient ID", enter # for External Report #</p>	AAEVT O	 AAEVT O 6 letters (A-Z)	<p>Georgia Systems of Care Armband DO NOT REMOVE To learn more: visit https://dph.ga.gov/EMS/armband</p>	AAEVT O	Hospital Use - this # will be recorded in Pt Record and in Trauma/Stroke/Cardiac Registry		
<p>CRASH REPORT EMS PCR</p> <p>Enter # in Occupant Info "By:" Field 6 letters (A-Z) AAEVT N</p> <p>External Report Type = "Patient ID", enter # for External Report #</p>	AAEVT N	 AAEVT N 6 letters (A-Z)	<p>Georgia Systems of Care Armband DO NOT REMOVE To learn more: visit https://dph.ga.gov/EMS/armband</p>	AAEVT N	Hospital Use - this # will be recorded in Pt Record and in Trauma/Stroke/Cardiac Registry		
<p>CRASH REPORT EMS PCR</p> <p>Enter # in Occupant Info "By:" Field 6 letters (A-Z) AAEVT M</p> <p>External Report Type = "Patient ID", enter # for External Report #</p>	AAEVT M	 AAEVT M 6 letters (A-Z)	<p>Georgia Systems of Care Armband DO NOT REMOVE To learn more: visit https://dph.ga.gov/EMS/armband</p>	AAEVT M	Hospital Use - this # will be recorded in Pt Record and in Trauma/Stroke/Cardiac Registry		
<p>CRASH REPORT EMS PCR</p> <p>Enter # in Occupant Info "By:" Field 6 letters (A-Z) AAEVT L</p> <p>External Report Type = "Patient ID", enter # for External Report #</p>	AAEVT L	 AAEVT L 6 letters (A-Z)	<p>Georgia Systems of Care Armband DO NOT REMOVE To learn more: visit https://dph.ga.gov/EMS/armband</p>	AAEVT L	Hospital Use - this # will be recorded in Pt Record and in Trauma/Stroke/Cardiac Registry		
<p>CRASH REPORT EMS PCR</p> <p>Enter # in Occupant Info "By:" Field 6 letters (A-Z) AAEVT K</p> <p>External Report Type = "Patient ID", enter # for External Report #</p>	AAEVT K	 AAEVT K 6 letters (A-Z)	<p>Georgia Systems of Care Armband DO NOT REMOVE To learn more: visit https://dph.ga.gov/EMS/armband</p>	AAEVT K	Hospital Use - this # will be recorded in Pt Record and in Trauma/Stroke/Cardiac Registry		
<p>CRASH REPORT EMS PCR</p> <p>Enter # in Occupant Info "By:" Field 6 letters (A-Z) AAEVT J</p> <p>External Report Type = "Patient ID", enter # for External Report #</p>	AAEVT J	 AAEVT J 6 letters (A-Z)	<p>Georgia Systems of Care Armband DO NOT REMOVE To learn more: visit https://dph.ga.gov/EMS/armband</p>	AAEVT J	Hospital Use - this # will be recorded in Pt Record and in Trauma/Stroke/Cardiac Registry		
<p>CRASH REPORT EMS PCR</p> <p>Enter # in Occupant Info "By:" Field 6 letters (A-Z) AAEVT I</p> <p>External Report Type = "Patient ID", enter # for External Report #</p>	AAEVT I	 AAEVT I 6 letters (A-Z)	<p>Georgia Systems of Care Armband DO NOT REMOVE To learn more: visit https://dph.ga.gov/EMS/armband</p>	AAEVT I	Hospital Use - this # will be recorded in Pt Record and in Trauma/Stroke/Cardiac Registry		

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Medic License Renewals

Kelly Joiner

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Late Medic Renewal

- **Late Medic Renewal application** open for those that expired 3/31/2022, closes 9/31/22, 11:59pm
 - Will include a late fee of \$75.00
 - Agency paid fees will not be credited to a Late Medic Renewal application
- Numbers as of 4/7/2022 @ 9am
 - Medics that did not renew by 3/31/22, 11:59pm = 1,458
 - Already renewed = 78
 - Currently Eligible= 1,380

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EMS Workforce Over Time

David Newton

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Count of Licensees Over Time

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Notes on upcoming graphics

- **Data is from the following snapshots of historical data:**
 - 1/1/1995 (approximate date – year is correct)
 - 7/1/2007 (approximate date – year is correct)
 - 4/28/2009
 - 4/1/2017
 - 4/19/2018
 - 9/23/2018
 - 10/7/2019
 - 10/1/2020
 - 4/9/2021
 - 5/10/2021
 - 11/1/2021
 - 12/1/2021
 - 12/20/2021
 - 1/4/2022
 - 2/1/2022
 - 3/1/2022
 - 4/7/2022

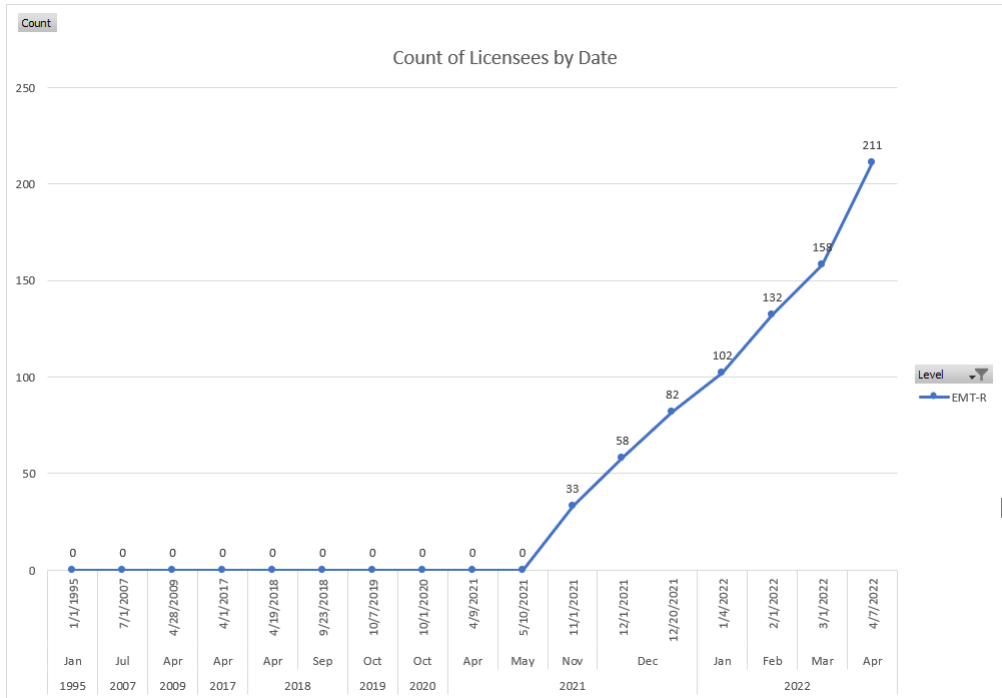
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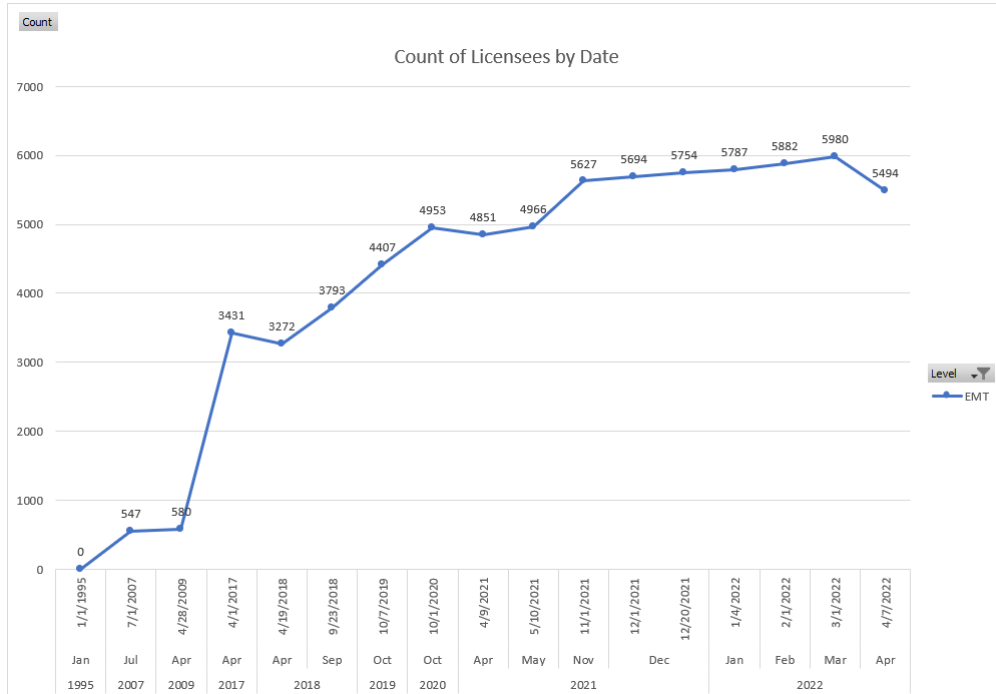
Notes on Upcoming Graphics

- Scales (left axis) all start at 0, but have different ranges
- X-Axis (dates) is NOT to scale
- Temporary licenses not included

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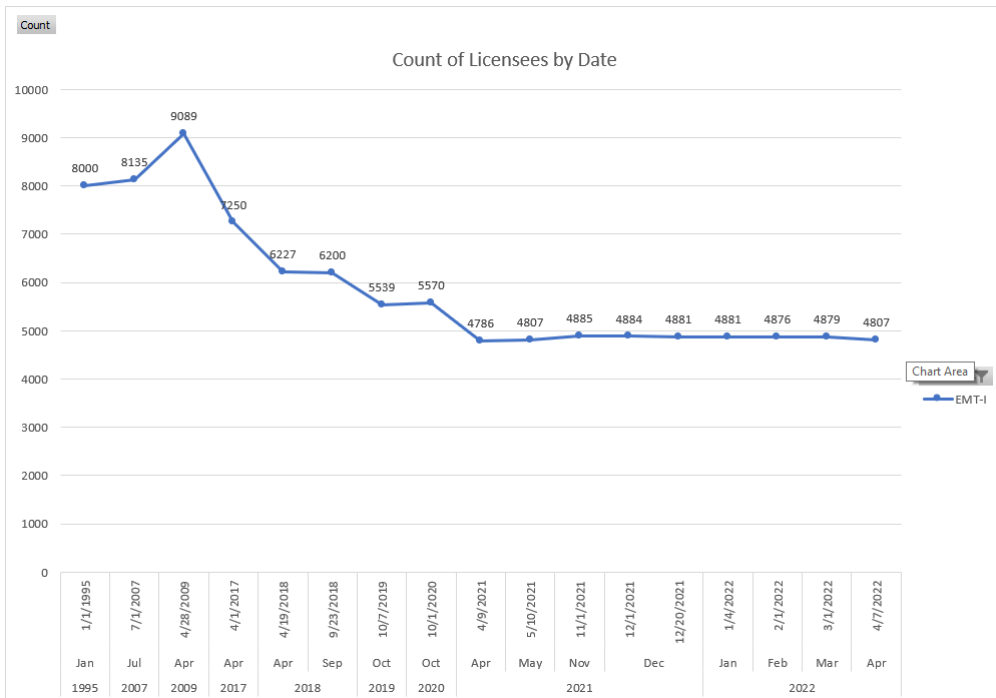


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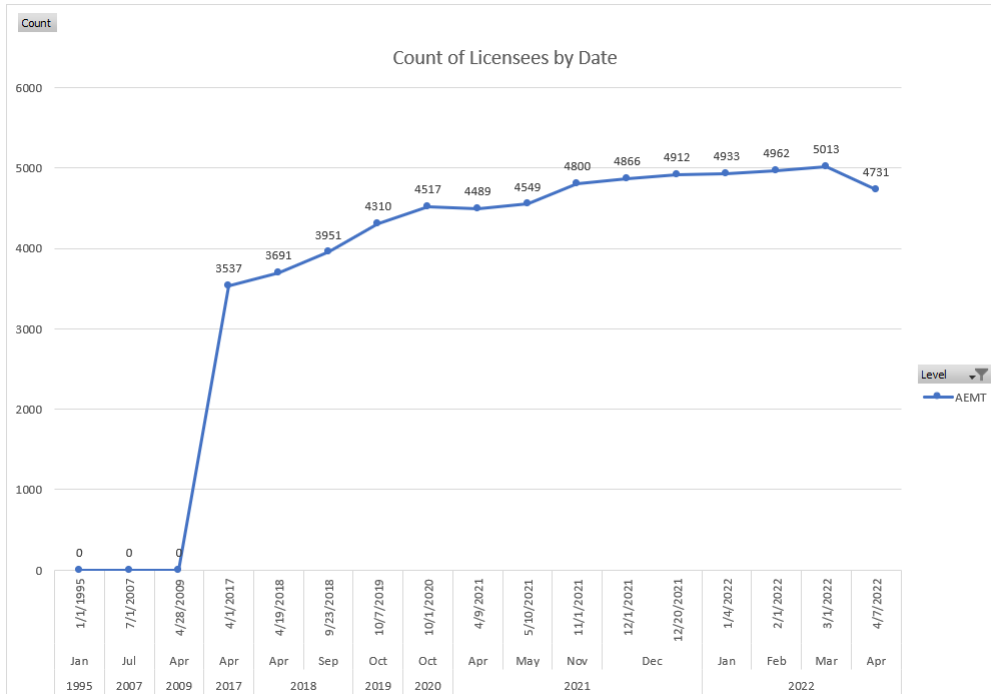
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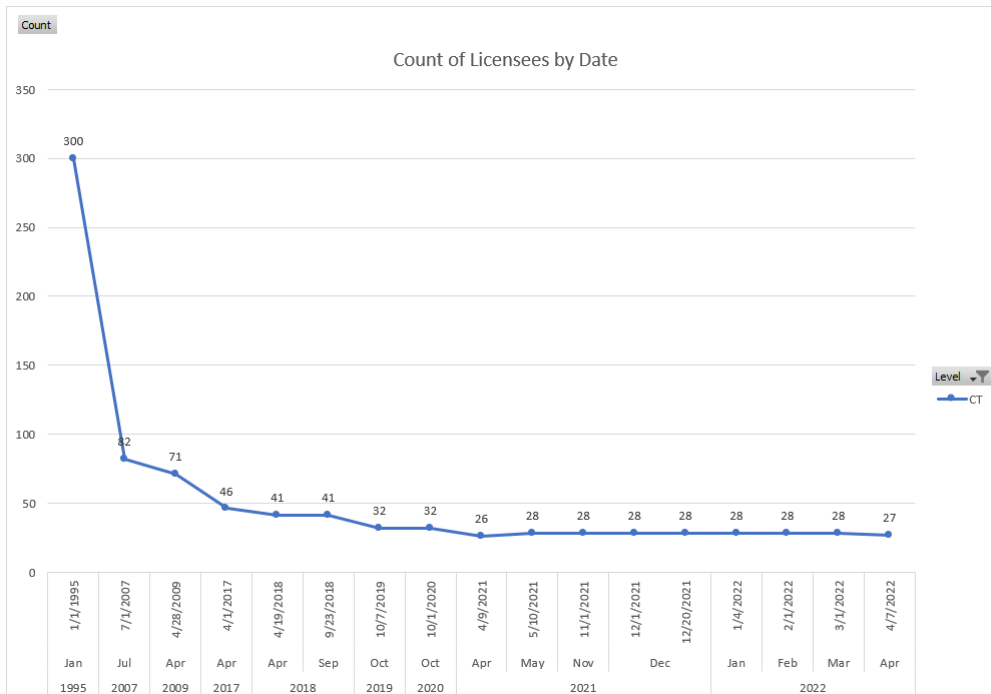
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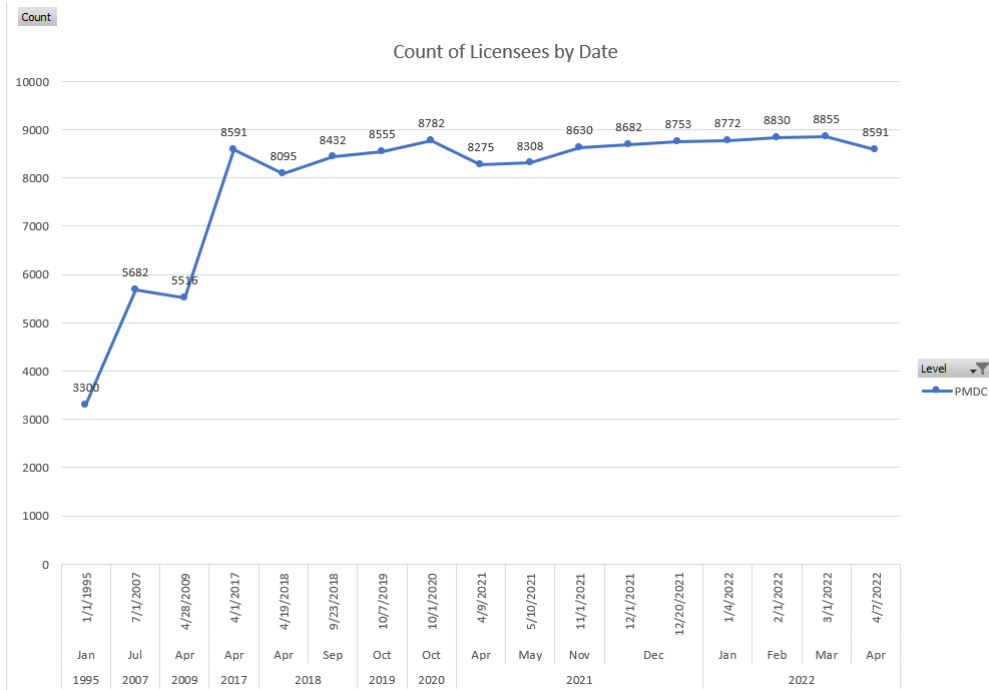
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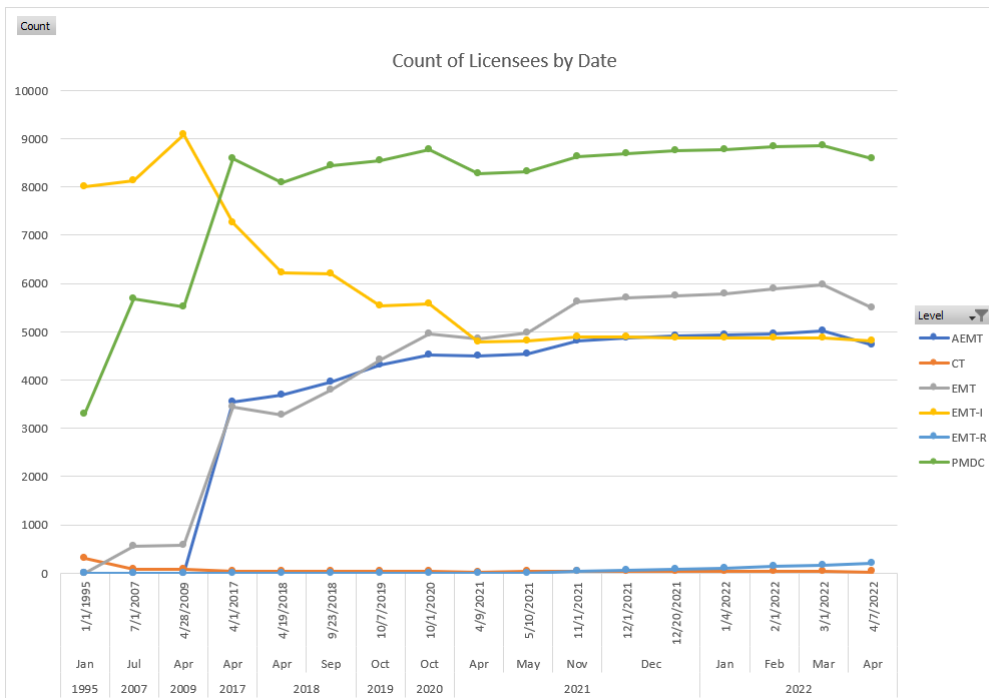
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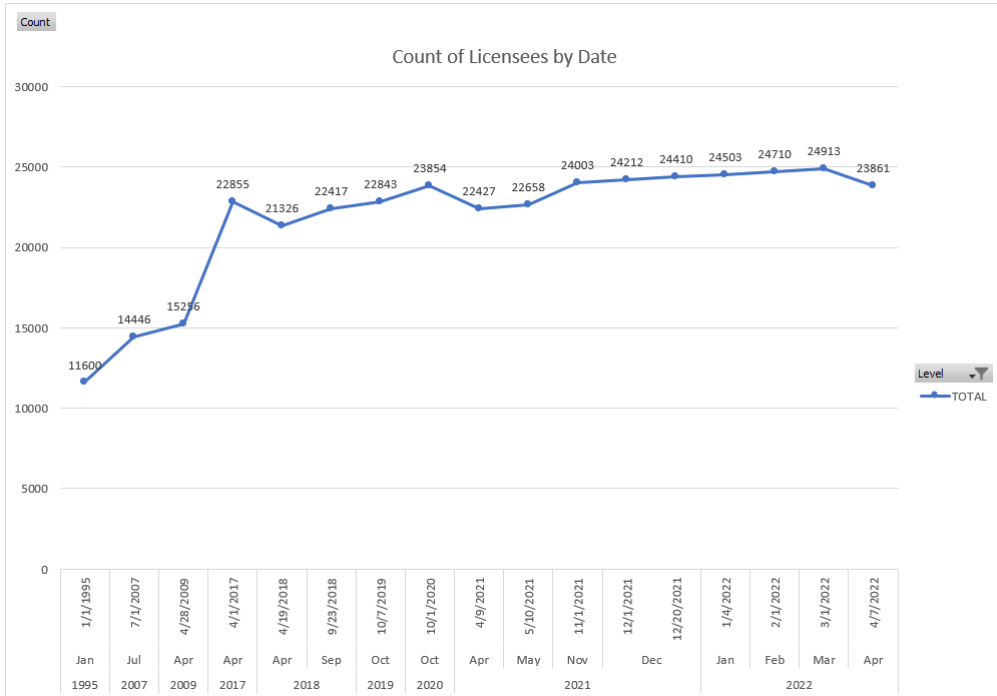
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Count of Lapsed Licenses Over Time

David Newton

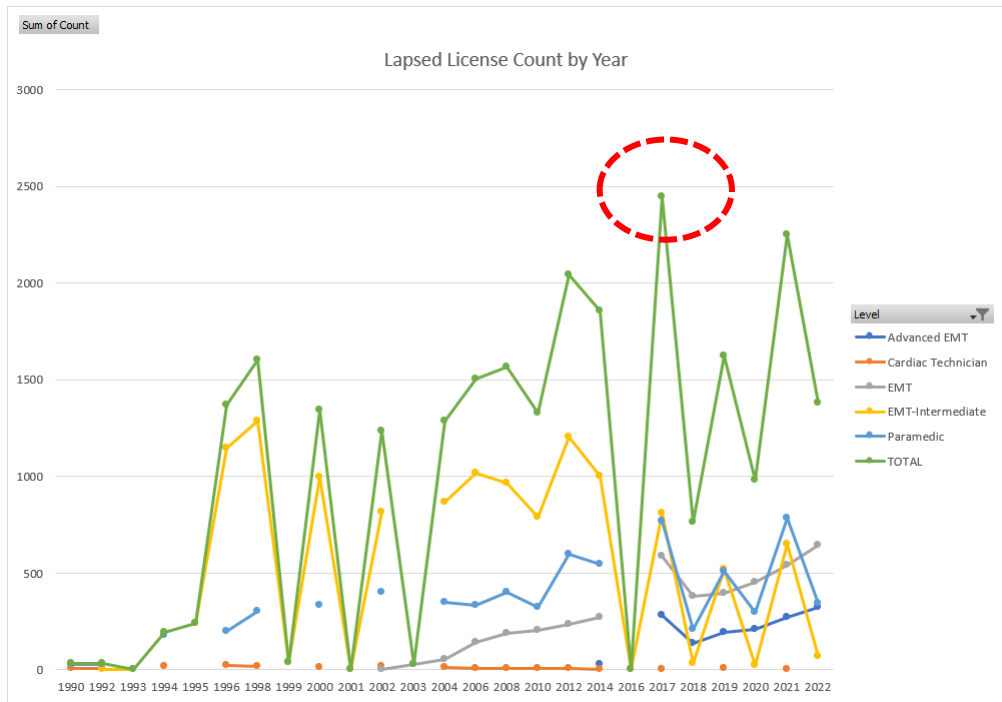
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Notes on Upcoming Graphics

- Scales (left axis) all start at 0, but have different ranges
- X-Axis (dates) is NOT to scale (years only)
- #s represent the total number of "Lapsed-Failure to Renew" for that year
- 2017 was the "big" year for lapsed because of the change in expiration dates – this artificially inflated the numbers due to the extension from 6/30/2016 → 3/31/2017
- Temporary licenses not included
- Late renewal season is not yet over, so 2022 numbers will NOT be final

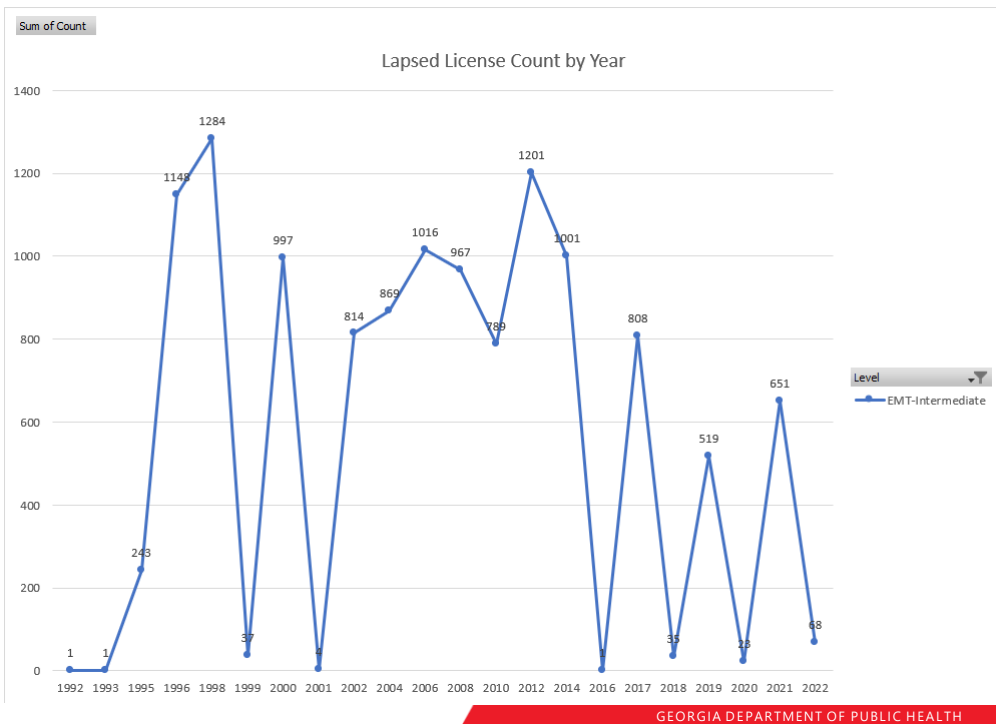
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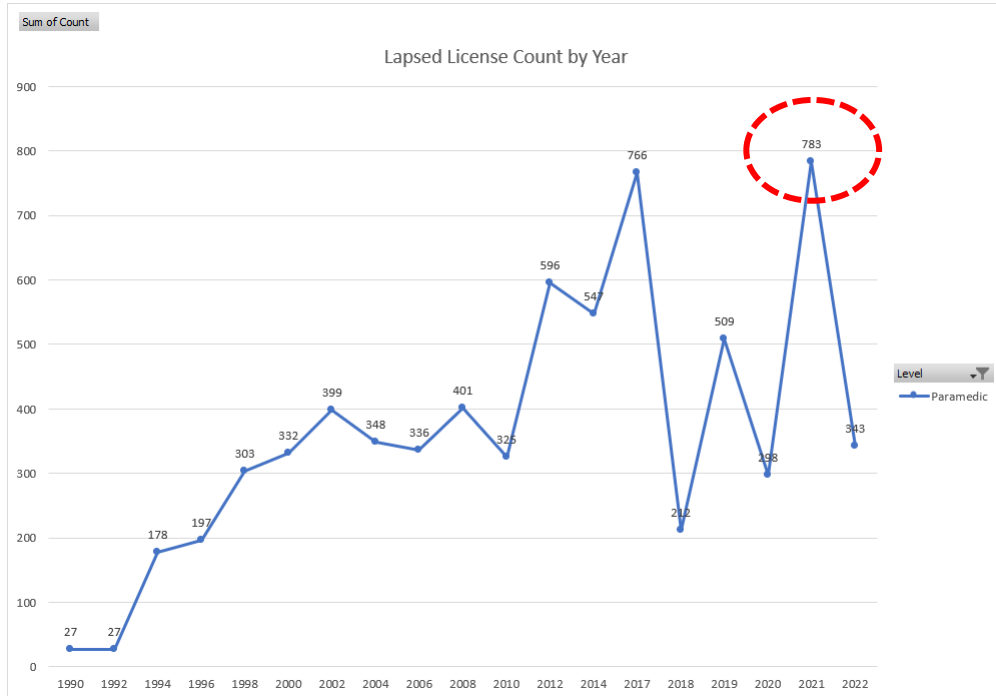
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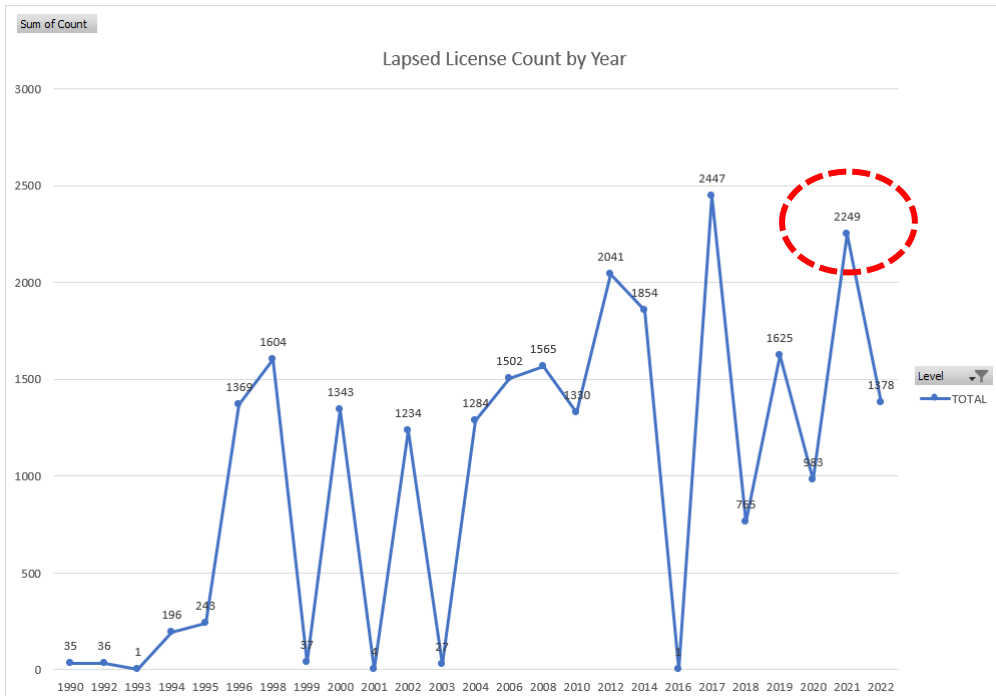


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Count of Lapsed AND Initial Licenses Over Time

David Newton

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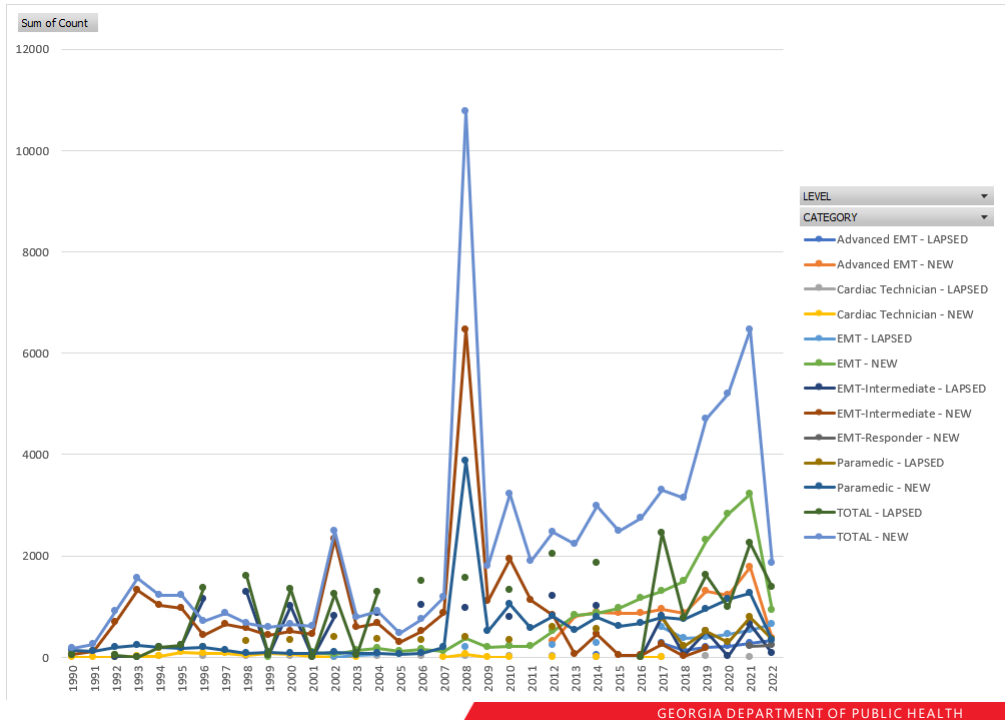
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Notes on Upcoming Graphics

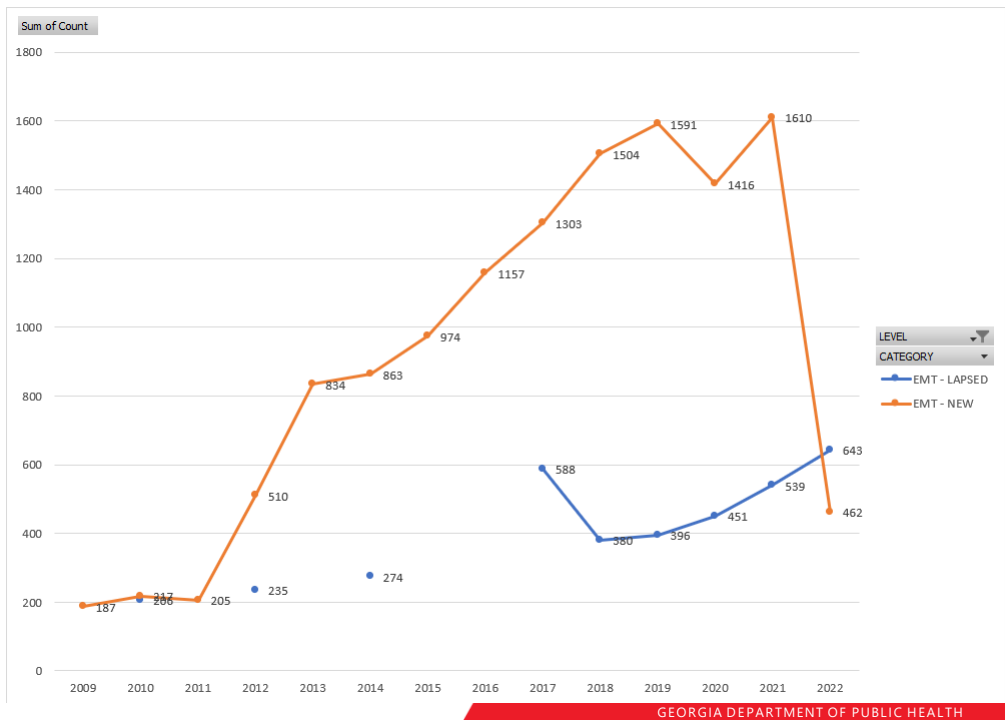
- Scales (left axis) all start at 0, but have different ranges
- X-Axis (dates) is NOT to scale (years only)
- # represents issued initial licenses
- Downgrades not included
- Data 2008 and earlier is likely NOT accurate due to BOME/SENDSS data issues
- Keep in Mind...new licenses is NOT necessarily new people
- 2022 is NOT over yet!

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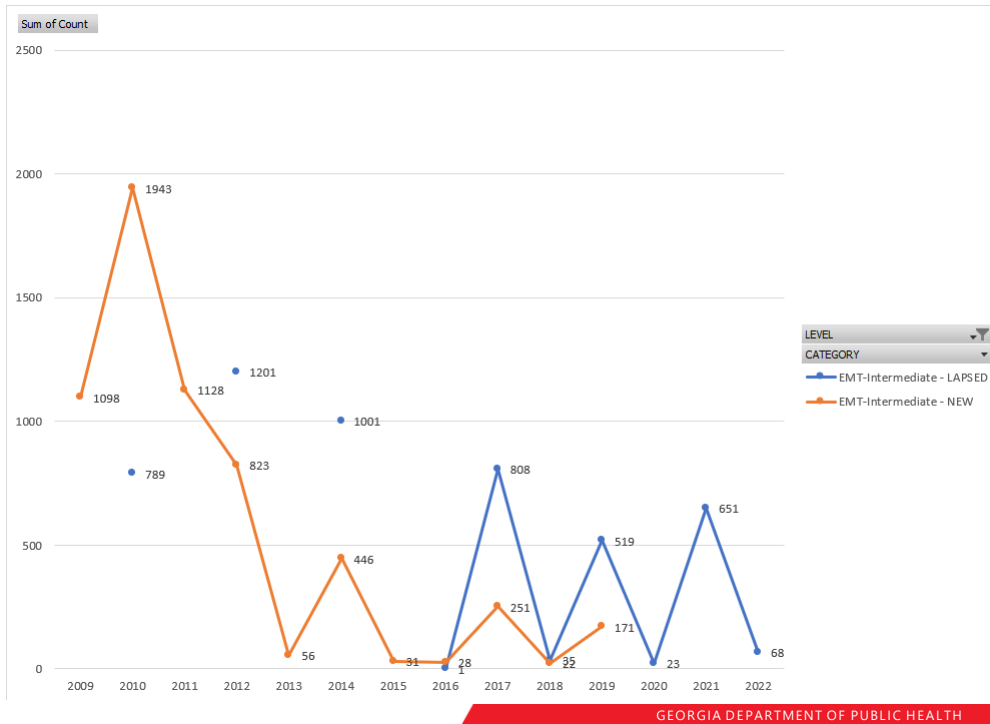
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NR Pass Rates and Retention

Richard Rhodes

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Retention Rates

LEVEL	# of Students	Retention Rate
EMT	2959	76.99%
AEMT	1363	79.82%
Paramedic	741	75.17%

*Based on data collected in LMS from nearly 500 courses with an end date before 1/1/2022

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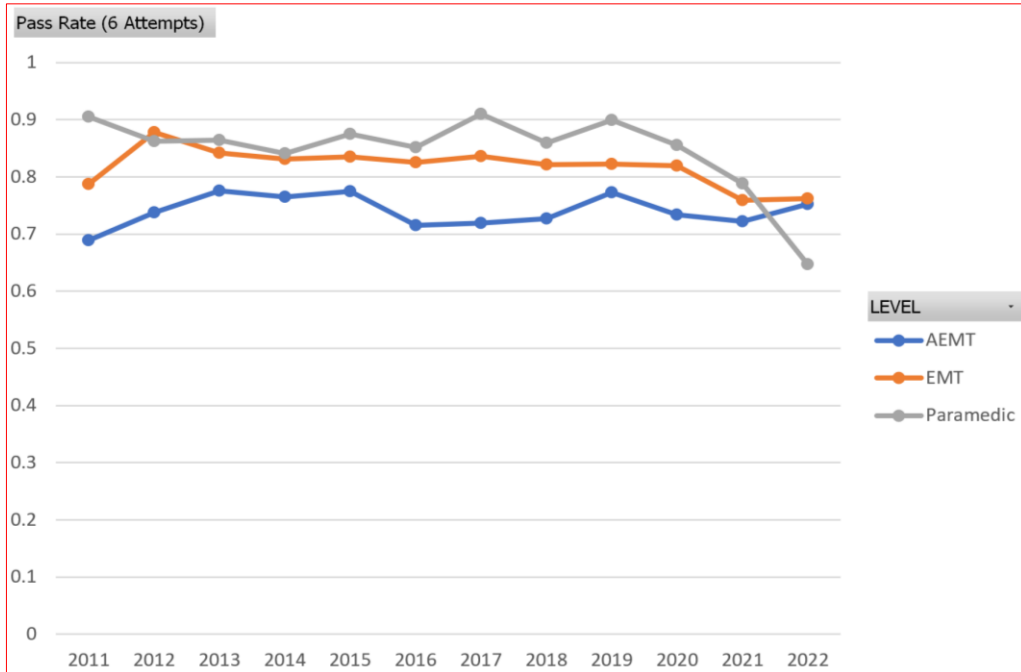
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Pass Rates by Year

Year	EMT	AEMT	Paramedic
2011	78.75%	68.85%	90.49%
2012	87.80%	73.77%	86.22%
2013	84.17%	77.60%	86.42%
2014	83.13%	76.50%	84.04%
2015	83.49%	77.51%	87.50%
2016	82.53%	71.49%	85.16%
2017	83.64%	71.89%	90.98%
2018	82.12%	72.66%	85.93%
2019	82.20%	77.28%	89.91%
2020	81.98%	73.35%	85.56%
2021	75.89%	72.25%	78.85%
2022	76.22%	75.27%	64.71%

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Still Eligible and Did Not Complete

LEVEL	Eligible for Retest	Did Not Complete within 2 Years
	N	N
EMT	1,006	2,320
AEMT	570	1,967
Paramedic	157	427
Grand Total	1,733	4,714

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Next Steps

Richard Rhodes

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Key Take-aways

- We gain licensees every year > We lose licensees every year
- COVID-19 *appears* to have had an effect on lapsed licenses, especially paramedics

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What do we need to do? We means all of us

- EMR and EMT Programs in the high schools
- Address the students that we already have in the system:
 - Increase retention
 - Increase pass rates
- Other ideas?

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5x5 Plan

- Increase Retention by 5%
- Increase Pass Rates by 5%

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What if??

- Average retention rates were 5% higher?
- Yearly pass rates rate were 5% higher?
- Current = Cumulative pass on NREMT within 6 attempts for 2011-2022

- Hypothetical cohort:
 - 100 students start
 - IF Normally:
 - ▣ 80% retention – 80 students eligible to take NR (and take it)
 - ▣ 75% pass rate – 60 students pass NR
 - IF 5x5:
 - ▣ 85% retention – 85 students eligible to take NR (and take it)
 - ▣ 80% pass rate – 68 students pass NR (+8 or +13.3%)

LEVEL	Current
	N
EMT	16,180
AEMT	7,888
Paramedic	4,244
Grand Total	28,312

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What are your ideas?

- What are your top 5 ideas to increase **student retention**?
- What are your top 5 ideas to increase **pass rates**?
- <https://forms.office.com/g/C4kGd5NKWa>
- Your ideas will be aggregated and presented to our stakeholders



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Upcoming Meetings/Trainings

Richard Rhodes

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Upcoming Meetings/Trainings

- OEMST Education Update – April 22, 2022 at 11:00am
 - 5x5 Plan
- EMSAC Quarterly Meeting – May 10, 2022 at 10:00am

<https://dph.georgia.gov/EMS/public-notice-regional-and-statewide-meetings>

Note: OEMST Monthly Epi and Ops Update: 2nd Friday of each month

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Questions? And Open Discussion



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Thanks for all that you do!

- Be safe
- Be prepared
- Watch your emails

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