

# MSGIC Winter 2021 Quarterly Meeting

Presentation: GIO Update

# Maryland Department of Information Technology (DoIT) Geographic Information Office / Data Services (BI/GIS)

MD iMAP Portal @ <https://imap.maryland.gov>

Maryland's GIS Data Catalog @ <https://data.imap.maryland.gov>

Maryland's Open Data Portal @ <https://opendata.maryland.gov>

# Maryland Department of Information Technology (DoIT) Geographic Information Office / Data Services (BI/GIS)

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Julia Fischer > Director, GIO

Lisa Lowe > Senior GIS Systems Specialist

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# 2020 By the Numbers

# of Supported Organizations = 45

# of Supported Organization FTEs = 38,000+

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ArcGIS Online Users = 2,250+

ArcGIS Desktop Concurrent Users = 1,500+

ArcGIS Desktop Single Users = 40+

ArcGIS Server/Enterprise Licenses = 25+

Ticket Requests = 1,710

Ticket Incidents = 857

# UPDATES > Imagery Program

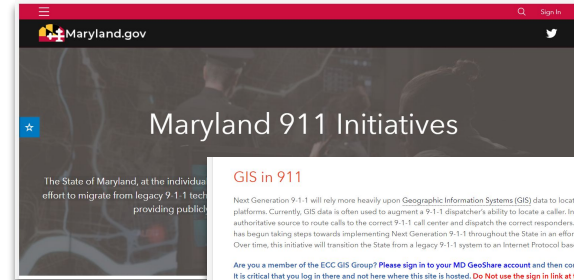
## Western Shore 2020

- In Progress > final checks on derivative products and tiffs;
- In Progress > final checks on corrections;
- Completion anticipated by end of January;
- Deliveries to counties promptly after completion.

Thanks to the Maryland 911 Board for continuing to fund this vital asset.  
Thanks to Howard County for sponsoring the Western Shore project.

# UPDATES > NG 9-1-1

- Infrastructure
  - Virtual environment setup
  - Next step > establish validation and consolidation workflows
- 911.maryland.gov launched
  - Hub for GIS community to centralize communication and data sharing



## GIS in 911

Next Generation 9-1-1 will rely more heavily upon Geographic Information Systems (GIS) data to locate emergency callers in comparison to legacy 9-1-1 platforms. Currently, GIS data is often used to augment a 9-1-1 dispatcher's ability to locate a caller in a NG9-1-1 environment. GIS data will become the authoritative source to route calls to the correct 9-1-1 call center and dispatch the correct responders. In partnership with the 24 local jurisdictions, Maryland has begun taking steps towards implementing Next Generation 9-1-1 throughout the State in an effort to improve 9-1-1 services for the citizens of Maryland. Over time, this initiative will transition the State from a legacy 9-1-1 system to an Internet Protocol based system.

Are you a member of the ECC GIS Group? Please sign in to your MD GeoShare account and then come back here to visit the GIS Services Page. It is critical that you log in there and not here where this site is hosted. Do not use the sign in link at the top of the page because that will attempt to log you into the State's ArcGIS Online platform (which is not the same thing). You also need to be a member of the "Supporting Team" to reach out to Dawn or J.B. if you need access.

## Documents & References

[Maryland NG911 Strategic Plan](#)

[Maryland Boundary Resolution SOP](#)

[Maryland ENSB NG911 Assessment and Strategic Plan Report](#)

[NENA Standards and Other Documents](#)

[NENA NG911 GIS Data Model](#)

[NENA GIS Data Template](#)

## Who is involved?

The local jurisdictions and the State have been working together to continue plan, GIS data development, policy development, and more. As part of this effort, each of these groups are critical to the success of this effort.

### Emergency Communications Committee (ECC)

The Emergency Communications Committee is a group of the 24 state 911 directors. They are part of the MNCJ Emergency Managers Alliance, which is a non-profit and non-partisan organization that serves Maryland counties by articulating the needs of local government to the Maryland General Assembly.

### Emergency Communications Committee GIS Group

The Emergency Communications Committee GIS group are the PSAP GIS personnel.

### 911 Board

The 911 Board (formerly the ENSB) is the legislatively mandated coalition of the 911 Trust Fund, and provides oversight and direction to the 24 county PSAPs.

### Commission to Advance NG911 Across Maryland

The Commission to Advance NG911 Across Maryland was legislatively created for a limited duration to provide recommendations to the Governor and Legislature for the implementation, funding, and governance of NG911.

# UPDATES > NG 9-1-1

## Next Generation 911 Commission Report

**GIS Recommendation #1** > To preserve operational integrity with multiple emergency services IP network (ESInet) vendors, the Commission recommends that jurisdictions:

- Continue to coordinate with the Maryland Department of Information Technology (DoIT);
- Provide their NG911 GIS data for statewide validation prior to updating any GIS data with ESInet providers.

**GIS Recommendation #2** > DoIT, in coordination with the county jurisdictions, shall develop and distribute a statewide sustainable, standardized structure for each value added GIS dataset identified by the MACo ECC as beneficial to improving emergency incident location.

# UPDATES > NG 9-1-1

**GIS Recommendation #3** > The Commission encourages jurisdictions to create or modify existing memorandums of agreement (MOAs) between entities:

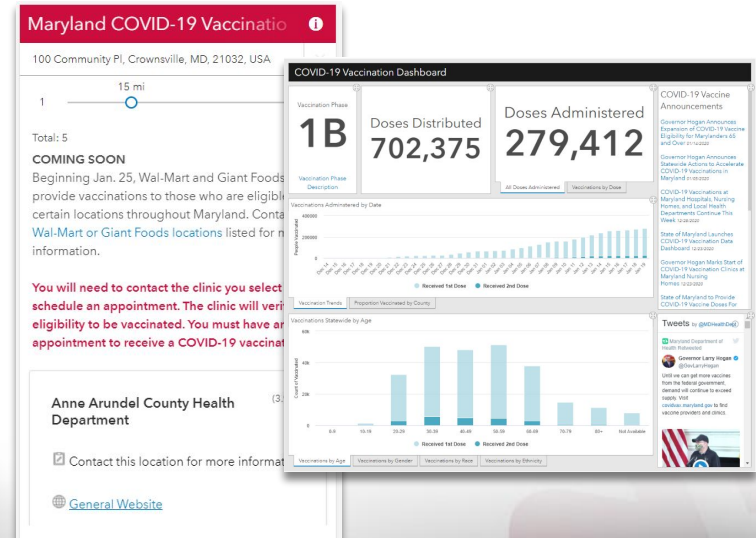
- To include geographic information systems (GIS) data maintenance accuracy;
- To update scheduling standards necessary to support NG911; and
- Within their service area (i.e., municipalities, county, State, federal, and college campuses) that are involved in the required GIS data creation and maintenance.

**GIS Recommendation #4** > Counties entering contracts for Next Generation Core Services (NGCS) shall require that NG911 service providers accept the National Emergency Number Association (NENA) i3 standardized and validated data.



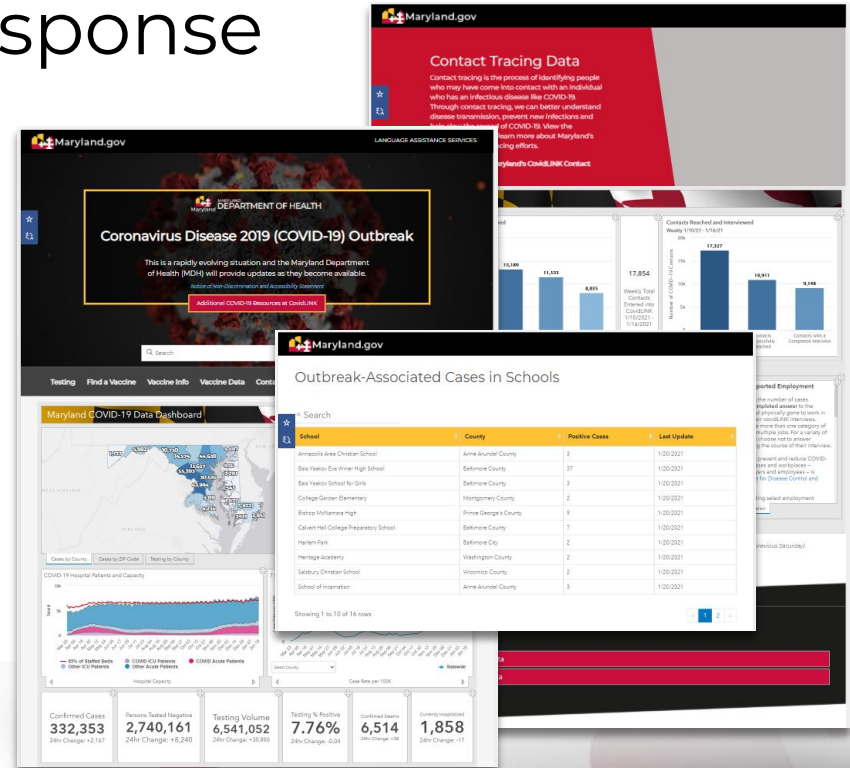
# UPDATES > COVID-19 Response

- Launched on 03/14, Maryland's website @ [coronavirus.maryland.gov](https://coronavirus.maryland.gov)
  - 10,870,868 visitors;
  - 70,452,677 pageviews.
- Launched "Find a Vaccine" app
- Launched vaccination dashboard
  - Doses Distributed, Administered (1st & 2nd)
  - Vaccinations by County
  - Vaccinations by Age, Gender, Race, Ethnicity



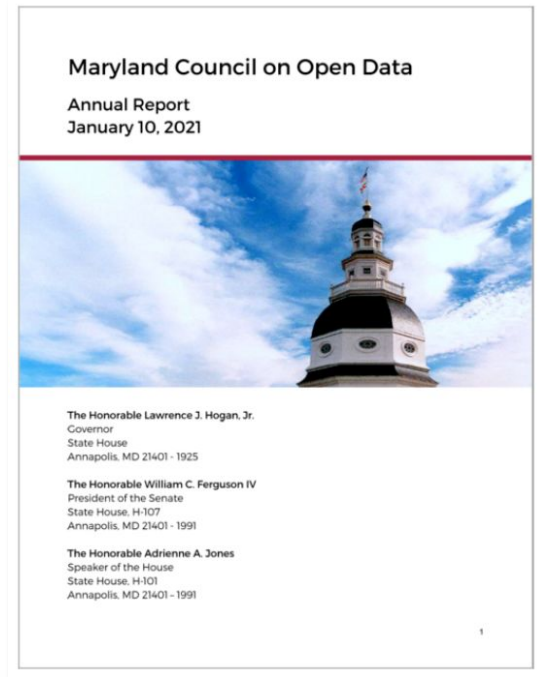
# UPDATES > COVID-19 Response

- 51 datasets are available to explore, visualize and download from [Maryland's GIS Data Catalog](#) and [Maryland's Open Data Portal](#).
- Full site redesign
- Recently added maps and charts:
  - Daily cases by age group graph
  - Contact Tracing, Most Recent Week's Exposure
  - Schools data



# Council on Open Data

- Released [2021 Annual Report](#)
- Highlights:
  - Data supporting COVID-19 response;
  - Data improving 911 location accuracy;
  - Data increasing budget transparency;
  - Outreach to higher education institutions;
  - Partnerships with local jurisdictions; and
  - Dashboards providing access to vital data.



# Maryland In the Community

Presented at dataMontgomery Quarterly Meeting

Guest Lecture for UMD Urban Studies & Planning Graduate Program

Harvard Kennedy School Ash Center, Data-Smart City Solutions

[Maryland's GIS- and Data- Driven Governance Model for Pandemic Response](#)

## MD iMAP Technical Committee Meetings

- Continue to be held on the first or third Tuesday of each month
- Call-in only for the foreseeable future
- Contact: John Lesko, [john.leskoi@maryland.gov](mailto:john.leskoi@maryland.gov) for email notifications

# Priorities for 2021

- MD iMAP v4.0
- Next Generation 911
- Redesign of <https://imap.maryland.gov> website
- Data Trust > Contracts & Pipelines
- COVID-19 support
- Agency migration to DoIT & Portal-to-Portal implementation
- New dashboards, new open data layers, new geospatial applications

# Questions?

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DoIT Service Desk > [service.desk@maryland.gov](mailto:service.desk@maryland.gov)

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