



COMMONWEALTH of VIRGINIA
Office of the Governor

Grindly Johnson
Secretary of Administration

Virginia Data Advisory Commission
Meeting Minutes

October 26, 2021

West Reading Room – Patrick Henry Building

1111 East Broad Street

Richmond, Virginia 23219

1:00 PM – 3:00 PM

Virtual Meeting URL:

Google Meet joining info

Video call link: <https://meet.google.com/pgm-okoq-ypo>

Conference Bridge: (US) +1 402-792-8323 PIN: 187 962 917#

Attendees:

George S. Barker, *Senator*

Emmett W. Hanger, *Senator*

Adam P Ebbin, *Senator*

Cliff E. Hayes, *Delegate*

Jeffrey Campbell, *Delegate*

Danica Roem, *Delegate*

Bryant Hood, *Region 6, Danville City Councilman*

Mary Beth Dunkenberger, *Region 4, Virginia Tech, Institute for Policy and Governance*

Bridget Giles, *Director of Special Programs, Hampton Roads Biomedical Research Consortium, Research Assistant Professor, Virginia Modeling Analysis and Simulation Center, Old Dominion University*

Tyler Schenck, *Region 2, Director of Innovation and Information Services for Winchester City, Virginia.*

Zaki Barzinji, *Region 7, Project Director for Aspen Digital*

Arlyn Burgess, *Region 3, Chief of Staff for University of Virginia School of Data Science*

Meagan Healy, *Secretary of Labor*



Carlos Rivero, *Chief Data Officer*

Grindly Johnson, *Secretary of Administration*

Daniel Carey, *Secretary of Health and Human Resources*

Vanessa Walker-Harris, *Deputy Secretary of Health and Human Resources*

Brian Moran, *Secretary of Public Safety and Homeland Security*

K. Joseph Flores, *Secretary of Finance*

Kelly Thomasson, *Secretary of the Commonwealth*

Bettina Ring, *Secretary of Agriculture and Forestry*

Ann Jennings, *Secretary of Natural and Historic Resources*

John Begala, *(Designee of Brian Ball) Secretary of Commerce and Trade*

Atif Qarni, *Secretary of Education*

Thomas Crabbs, *(Designee for Jabs) Secretary of Veterans and Defense Affairs*

Catherine McGee, *(Designee for Valentine) Secretary of Transportation*

Leslie C. Allen, *Assistant Attorney General (OAG)*

Alisa Padden, *(Karl Hade Designee), Director of Legislative & Public Relations*

Thomas Crabs, *(Kathleen Jabs Designee), Military Liaison*

Asif Bhavnagri, *(Grindly Johnson Designee), Assistant Secretary of Administration*

Call to Order, Welcome, and Opening Remarks

Roll Call – Member Introductions

Elect the Commission Chair and Vice-Chair

Review the Commission Charter

Virginia Public Meeting Statutes and FOIA

Vote on Electronic Participation

Data Governance Update

Draft Data Governance Annual Report

Public Comment

Closing Remarks

Next meeting date: Monday, November 22ND, 2021 - 1:00 PM – 3:00 PM

Adjournment

Motions

Motion 1: Election of Committee Chairperson



Presenter: Carlos Rivero

Discussion: Nomination and selection of committee chairperson.

Motion Accepted: Delegate Cliff E. Hayes was elected as committee chairperson.

Motion 2: Election of Committee Vice Chairperson

Presenter: Carlos Rivero

Discussion: Nomination and selection of committee vice chairperson.

Motion Accepted: Senator George S. Barker was elected as committee vice chairperson.

Motion item 3: Review the Commission Charter

Presenter: Chairman Delegate Cliff E. Hayes

Discussion: Chairman Delegate Hayes presented the charter to the audience for any questions or comments.

Senator Adam Ebbin asked what a data trust is?

Mr. Carlos Rivero responded; The Commonwealth Data Trust, implemented by the Office of Data Governance and Analytics, is a safe, secure, and legally compliant information sharing environment that establishes consistent requirements for trust members through a standardized data sharing agreement process.

Mr. Carlos also elaborated on the data uses, access reports, and the qualitative and quantitative aspects of the data in response to the questions from the attendees.

Motion Accepted: The commission charter is approved.

Motion item 4: To allow voting in a virtual meeting when there is a physical quorum.

Presenter: Chairman Delegate Cliff E. Hayes

Discussion: Agreement on virtual participation.

Mrs. Leslie Allen (Assistant to Attorney General) elaborated on the FOIA act in regards to voting on virtual participation when there is a physical quorum, the summary is as below:

“A meeting occurs with three or more members of the board assemble physically or electronically to discuss public business. Now, there are some kind of guidelines on when you don't have to have an open meeting but in general any meeting of your commission should be considered open. So there are meeting rules that are in the Freedom of Information Act that will



apply. So some of those include; you have to have at least three working days in advance- meaning that you provide a notice and then you also have to make sure you're complying with where you have to post notice. You also have to make sure that if you have remote participation that you comply with the rules around that as well. So all this is listed in the code.

You need a quorum present physically and then you can have additional members' kind of dial in remotely. But there are rules around when a person can do that.

As far as electronic meetings go, you really shouldn't be setting up a separate electronic meeting, when you don't have a quorum present physically to listen into that meeting. So somebody should be physically organizing the meeting. And then people can dial in but you shouldn't be having separate just phone calls or email meetings without a quorum present physically. There are ways to do these types of electronic meetings but you have to kind of basically comply with the statute to have them.

The takeaway for the meeting, message is don't conduct meetings over email. Like if you want to discuss a topic of public business, try to avoid sending an email asking for input and especially for asking for any decision to be made. Any voting or any decisions that need to be made. They have to be made in a public meeting. So if you do it over an email, it could be viewed as breaking meeting requirements, viewed as a closed meeting. And then you'll have violated FOIA. So the takeaway here is don't vote on any major public business over email or telephone, and then try and report it back to the commission. That's not okay. That's a violation. And that's really just the policy of FOIA. Which is no secret voting, hidden voting, the public should have access to the meeting in which the votes are cast.

There is sort of a caveat in the sense that if you have the desire to find out a member's position regarding a specific transaction of public business, you can send out a communication to the entire board commission, but don't send it as a commission member, send it to a staff member to ask the entire commission for input because what's what makes it a meeting is when a commissioned member writes to another Commission member before to make more than one. That's what makes it a meeting."

Motion Accepted: Virtual participants shall only be allowed to vote on motions when there is a physical quorum.



Motion item 5: To change date of the next Virginia Data Advisory Commission Meeting

Presenter: Chairman Delegate Hayes

Discussion: Vice Chairman Senator Barker- Can we change the date for the next meeting? There is a motion to move the meeting to November 22nd.

Motion Accepted: The date of the next Virginia Data Advisory Commission Meeting will be Monday November 22nd, 2021 from 1:-00 PM to 3:00 PM.



Agendas

Agenda item 1: Welcome and Opening Remarks

Presenter: Carlos Rivero

Discussion: Mr. Carlos Rivero opened the meeting and thanked all for their attendance. All panel members and individuals in attendance introduced themselves.

Decision: N/A

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Agenda item 2: Roll Call - Member Introductions

Presenter: Carlos Rivero

Discussion: Commission members introduced themselves.

Decision: N/A

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Agenda item 3: Elect Commission Chair and Vice Chair

Presenter: Carlos Rivero

Discussion: The nomination and election of the commission chair and vice chair.

Decision: The motion were made to elect Chairman Delegate Hayes and Vice Chairman Senator Barker.

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Agenda item 4: Review the Commission Charter

Presenter: Chairman Delegate Hayes

Discussion: Chairman Delegate Hayes presented the charter to the audience for any questions or comments.

Decision: The charter was approved, refer to motion 3.

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Agenda item 5: Virginia Public Meeting Statutes and FOIA

Presenter: Leslie Allen

Discussion: Mrs. Leslie Allen (Assistant to Attorney General) from the OAG office gave a presentation on the Freedom of Information Act (FOIA). She defined the FOIA act and explained the purpose, pillars, how it is reviewed, presence of quorum for decision making, and explained when email and chat communications can be qualified as a meeting. (Presentation attached for more details).



Delegate Cliff to Mrs. Leslie: if a person is using personal email for a public business; would that be considered a public business?

Mrs. Leslie: Personal emails shall not be used for public businesses.

Mrs. Leslie further added: For any further questions about FOIA, please contact the "Virginia Freedom of Information Advisory Council"

Toll free: 866-448-4100

Email: foiacouncil@dls.virginia.gov

Decision: Public meetings are subject to FOIA requirements.

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Agenda item 6: Vote on Electronic Participation

Presenter: Delegate Cliff E. Hayes

Discussion: Agreement on virtual participation.

Decision: The motion to vote on virtual participation was carried, refer to motion 4.

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Agenda item 7: Data Governance Update

Presenter: Carlos Rivero

Discussion: Carlos Rivero introduces the team members:

Marcus Thornton – Deputy Chief Data Officer

Jessi Bailey – Communications Analyst

Soren Sonson – Technical Project Manager

Sharif Delsouze- Program/Project Coordinator

Mr. Rivero gave a presentation providing update on the following:

- Access to data
- Enterprise data catalog
- Data trust relationships between different agencies
- ODGA guiding principles
- Importance of data governance
- Virginia data advisory commission
- Data governance council
- Commonwealth data dictionary
- FAACT
- Secure analytics and governance environment (SAGE)



CoVERD entity resolution
Secure connected government cloud
Security data enclave
Virginia open data portal
Data literacy and student engagement
Data governance course in COVLC for state employees
Rural apprenticeship program (RITA)
Commonwealth data internship program
Radford University's Vinod Chachra IMPACT Lab.
Virginia Datathons
Data Intelligence solutions
Data sharing
Data governance and technical infrastructures
Data driven outcomes

Decision: N/A

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Agenda item 8: Draft Data Governance Annual Report

Presenter: Carlos Rivero

Discussion: The CDO went over high level review of the annual report. The commission will review in depth in the next meeting.

Decision: The commission will vote on the report in the next monthly meeting.

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Public Comments:

No posed commentary.

Member Comments:

Secretary Johnson – A big hag to Carlos and a big shout out for the initiatives on his own! This is much needed, we appreciate and congratulate him.

Chairman Cliff – There is so much opportunity out there but it doesn't happen often. There are dots to connect and work together. When the public gets access to default data then they can ask other agencies why can't they do that? Getting people to come, authorizing them and getting their approval will make it easy. Thank you for the hard work!

[Name, from DMAS], we are excited about the potential of this reality and support it.

Zaki Barzinji- Will we have an opportunity to go over the report and have any comments?



Carlos Rivero replied- yes, my team will go over this month and present it to the commission next month.

Adjournment:

Chairman Cliff: Thanked everyone for their participation in moving the work forward.

Motion to adjourn; Approved, no objections.

Delegate Cliff E. Hayes, committee chair, adjourned the meeting.



Freedom of Information Act and Public Meetings

Leslie Allen

Assistant Attorney
General

Virginia Data Advisory
Commission

October 26, 2021

FOIA and Public Meetings

- Three Topics for Discussion
 - What is purpose of the Freedom of Information Act (FOIA)?
 - Public Meetings subject to FOIA Requirements
 - When do Email and Chat Communications qualify as an “Meeting” subject to FOIA?

Freedom of Information Act (FOIA)

Purpose –

By enacting FOIA, the General Assembly ensures the people of the Commonwealth ready access to public records in the custody of a public body or its officers and employees, and free entry to meetings of public bodies wherein the business of the people is being conducted. **The affairs of government are not intended to be conducted in an atmosphere of secrecy since at all times the public is to be the beneficiary of any action taken at any level of government.** Va. Code § 2.2-3700.

FOIA

How FOIA is to be viewed –

The provisions of FOIA shall be liberally construed to promote an increased awareness by all persons of governmental activities and afford every opportunity to citizens to witness the operations of government. Any exemption from public access to records or meetings shall be narrowly construed and no record shall be withheld or meeting closed to the public unless specifically made exempt pursuant to this chapter or other specific provision of law.

FOIA

The two major pillars of FOIA:

1. Public Records
2. Meetings

FOIA

What are “public records”?

"Public records" means all writings and recordings, however they are stored, and regardless of physical form or characteristics, prepared or owned by, or in the possession of a public body or its officers, employees or agents in the transaction of public business. Va. Code § 2.2-3701.

Minutes, including draft minutes, and all other records of open meetings, including audio or audio/visual records shall be deemed public records and subject to the provisions of this chapter. Va. Code § 2.2-3707(H).

The custodian of such records shall take all necessary precautions for their preservation and safekeeping. Va. Code § 2.2-3704.

Responding to a FOIA request

Va. Code § 2.2-3704 outlines how to respond to a FOIA request for public records.

Failure to respond to a request for records shall be deemed a denial of the request and shall constitute a violation of this chapter. Va. Code § 2.2-3704(E).

FOIA- Responding to a FOIA request

You do not need to fulfill the response yourself. Look to staff and your FOIA Officer.

All public bodies must designate a FOIA Officer who has the responsibility of being the point of contact for FOIA requests. - Va. Code § 2.2-3704.2(A).

The contact information for your FOIA Officer should be on your Board website along with a description of the rights of a requestor under FOIA – Va. Code § 2.2-3704.1(A).

FOIA - Importance of Compliance

- Highly scrutinized by a variety of interest groups:
 - Press, State Officials, Citizens, Vendors
- It could cost you – literally. First time violations for failing to respond to a FOIA request for information can result in civil penalties against individuals of \$500 - \$2,000 plus requestor's attorney's fees and costs
- Negative publicity for the Virginia Data Advisory Commission

FOIA and Public Meetings

When are you having a public meeting, which may be subject to the FOIA open meeting requirements?

Virginia Code § 2.2-3701 provides:

"Meeting" or "meetings" means the meetings including work sessions, when sitting physically, or through telephonic, video, or electronic communication pursuant to § 2.2-3708.2, as a body or entity, or as an informal assemblage of (i) as many as three members or (ii) a quorum, if less than three, of the constituent membership, wherever held, with or without minutes being taken, whether or not votes are cast, of any public body.

Definition of Public Meeting

In other words: A meeting occurs when three or more members of the Board assemble (physically or electronically) to discuss or transact public business.

Meeting Requirements

- Virginia Code § 2.2-3707(A) - All meetings of public bodies shall be open, except as provided in §§ [2.2-3707.01](#) and [2.2-3711](#).
- Virginia § 2.2-3707(B)- No meeting shall be conducted through telephonic, video, electronic or other electronic communication means where the members are not physically assembled to discuss or transact public business, except as provided in § 2.2-3708.2 or as may be specifically provided in Title 54.1 for the summary suspension of professional licenses.
- Notice of a meeting must be posted at least 3 working days in advance of the meeting.
- Virginia Code § 2.2-3707 specifies the information that must be included in a valid meeting notice and where it must be posted.

TAKEAWAY- MEETINGS REQUIRE ADVANCE PLANNING

Electronic meetings*

- § 2.2-3708.2. Electronic communication meetings; applicability; physical quorum required; exceptions; notice; report.
- A. No board or subgroup created by that board shall conduct a meeting wherein the public business is discussed or transacted through telephonic, video, electronic or other communication means where the members are not physically assembled.
- The statute specifies ways to include remote participants that involve a quorum of members physically assembled.

Transaction of Business- Do not use EMAIL

- § 2.2-3710. Transaction of public business other than by votes at meetings prohibited.
- A. Unless otherwise specifically provided by law, no vote of any kind of the membership, or any part thereof, of any public body shall be taken to authorize the transaction of any public business, *other than a vote taken at a meeting conducted in accordance with the provisions of this chapter.*
- No public body shall vote by secret or written ballot, and unless expressly provided by this chapter, no public body shall vote by telephone or other electronic communication means.
- TAKEAWAY- NO VOTES BY BOARD OR COMMISSION MEMBERS MAY BE TAKEN OVER EMAIL OR TELEPHONE OR THIS COULD BE A VIOLATION OF THE FOIA OPEN MEETING REQUIREMENTS.

BUT...

- § 2.2-3710. Transaction of public business other than by votes at meetings prohibited.
- Nothing contained herein shall be construed to prohibit (i) separately contacting the membership, or any part thereof, of any public body for the purpose of ascertaining a member's position with respect to the transaction of public business, whether such contact is done in person, by telephone or by electronic communication, provided the contact is done on a basis that does not constitute a meeting as defined in this chapter.
- TAKEAWAY- A board or commission member can send an email to ascertain other members' positions but should send the request to a staff member to send to a commission membership distribution list.
- No votes may be taken.
- Prevents an inadvertent "Meeting."

Special Rule for Advisory Commissions...

- From the Budget Bill:
- 17.a. That notwithstanding any other provision of law, any permanent or interim legislative study or advisory commission, committee, or subcommittee, other than a standing committee of the General Assembly to which bills and resolutions are referred during a legislative session pursuant to Article IV, Section 11 of the Constitution of Virginia, or any executive advisory board or council may conduct a meeting by electronic communications means without a quorum of the public body physically assembled at one location if the meeting is being held solely to receive presentations, updates, public comment, or conduct other forms of information gathering. If a quorum is not physically assembled, the commission, committee, subcommittee, board, or council shall not take any votes or make any formal recommendations at such meeting.
- TAKEAWAY- Advisory Board Electronic Meeting without a quorum is allowed BUT ONLY if used strictly for information gathering purposes.
- However, this is a slippery slope so we recommend against doing this.

FOIA

- Hypo: You write an email to all the other members of your commission sharing the name of a new Netflix series. A fellow member responds all. Yet another member quickly responds all on the same topic.
- Meeting for FOIA purposes?
- How about opening an instant message chat online between three members?
- What if only two?
- What if the topic of discussion was screening the Netflix series at future board or commission meeting?

FOIA

- Answer: Likely a meeting under the last scenario when public business is discussed.
- An improper closed meeting occurs where the feature of simultaneity inherent in the term "assemblage" arises; the e-mails involve some sort of back-and-forth exchange of the three required members; the messages generate group conversations or responses with multiple recipients.
- From Hill v. Fairfax County Sch. Bd., 284 Va. 306 (2012).

Hypo cont.

- the inquiry is whether a series of electronic communications of whatever type constitutes a meeting of a public body for purposes of applying the FOIA.
- "the key difference between permitted use of electronic communication, such as e-mail, outside the notice and open meeting requirements of [the] FOIA, and those that constitute a 'meeting' under [the] FOIA, is the feature of simultaneity inherent in the term 'assemblage.' "
- In Hill, emails were written by one member to one recipient. Court upheld finding of no meeting.

Beck v. Shelton

- In Beck, more than three members of City Council corresponded with each other concerning specific items of public business by use of e-mail. The shortest interval between sending a particular e-mail and receiving a response was more than four hours. The longest interval was well over two days.
- While such simultaneity may be present when e-mail technology is used in a "chat room" or as "instant messaging," it is not present when e-mail is used as the functional equivalent of letter communication by ordinary mail, courier, or facsimile transmission.
- Court found no meeting because no feature of simultaneity.
- TAKEAWAY- SIMULTANEOUS EMAIL OR CHAT COMMUNICATIONS REGARDING THE TRANSACTION OF PUBLIC BUSINESS COULD CONSTITUTE A MEETING SUBJECT TO THE OPEN MEETING REQUIREMENTS OF FOIA.

FOIA

- Are making decisions by vote over email allowed under FOIA?
- What prevents this?

FOIA

- That's right. Making decisions or taking votes of the public body or commission over email is not allowed.
- Virginia Code § 2.2-3710 prohibits the transaction of public business other than by votes at meetings that meet the required FOIA notice and open meeting rules.

FOIA

- 1) Cannot transact public business without an open meeting--no voting, no deciding.
- 2) Cannot conduct an electronic meeting discussing public business
 - Exception (if you follow certain requirements like a physical quorum present subject to the FOIA open meeting rules)
 - Limited exception for Advisory Commissions to gather information only. But be careful, as this could lead to an appearance of a “meeting.”
- 3) Can "separately" contact members to ascertain position so long as communication doesn't become a meeting. Can't have feature of simultaneity with quorum or three members.

Best practices

- Remember that what you put in writing is a public record subject to FOIA.
- Think first. If unsure, reach out and ask questions.
- Use a separate account for your public business.
- Pick up the phone.
- If sending in writing, send emails to staff for distribution.

FOIA

Questions about FOIA?

Please contact the “Virginia Freedom of Information Advisory Council”

Toll free: 866-448-4100

Email: foiacouncil@dls.virginia.gov



Virginia Data Advisory Commission

October 26, 2021

OFFICE OF DATA GOVERNANCE
AND ANALYTICS



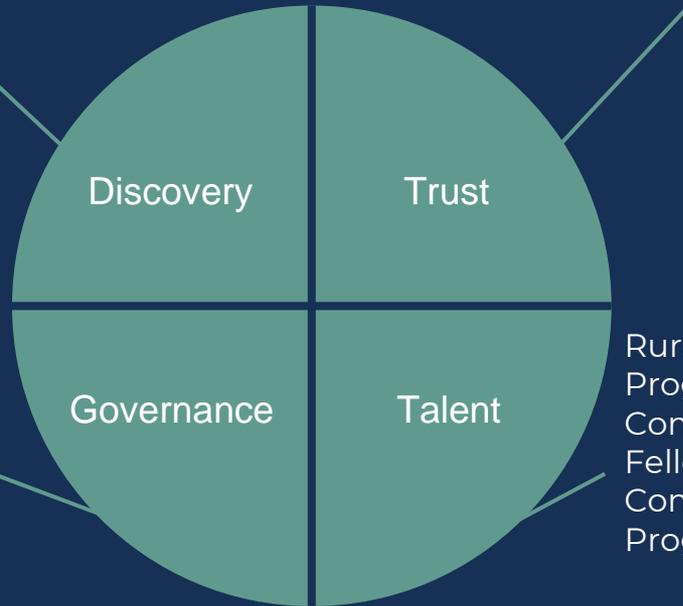


Data Initiatives



Enterprise Data Catalog
Standard Data Documentation Process
Enterprise Metadata Approval & Publishing Process
ML Business Glossary Tag Suggestions

Commonwealth Data Trust
Technology-Agnostic Data Sharing
FAACT
Workforce Referral Portal



Virginia Data Commission
Executive Data Board
Data Governance Council
Data Stewards Group

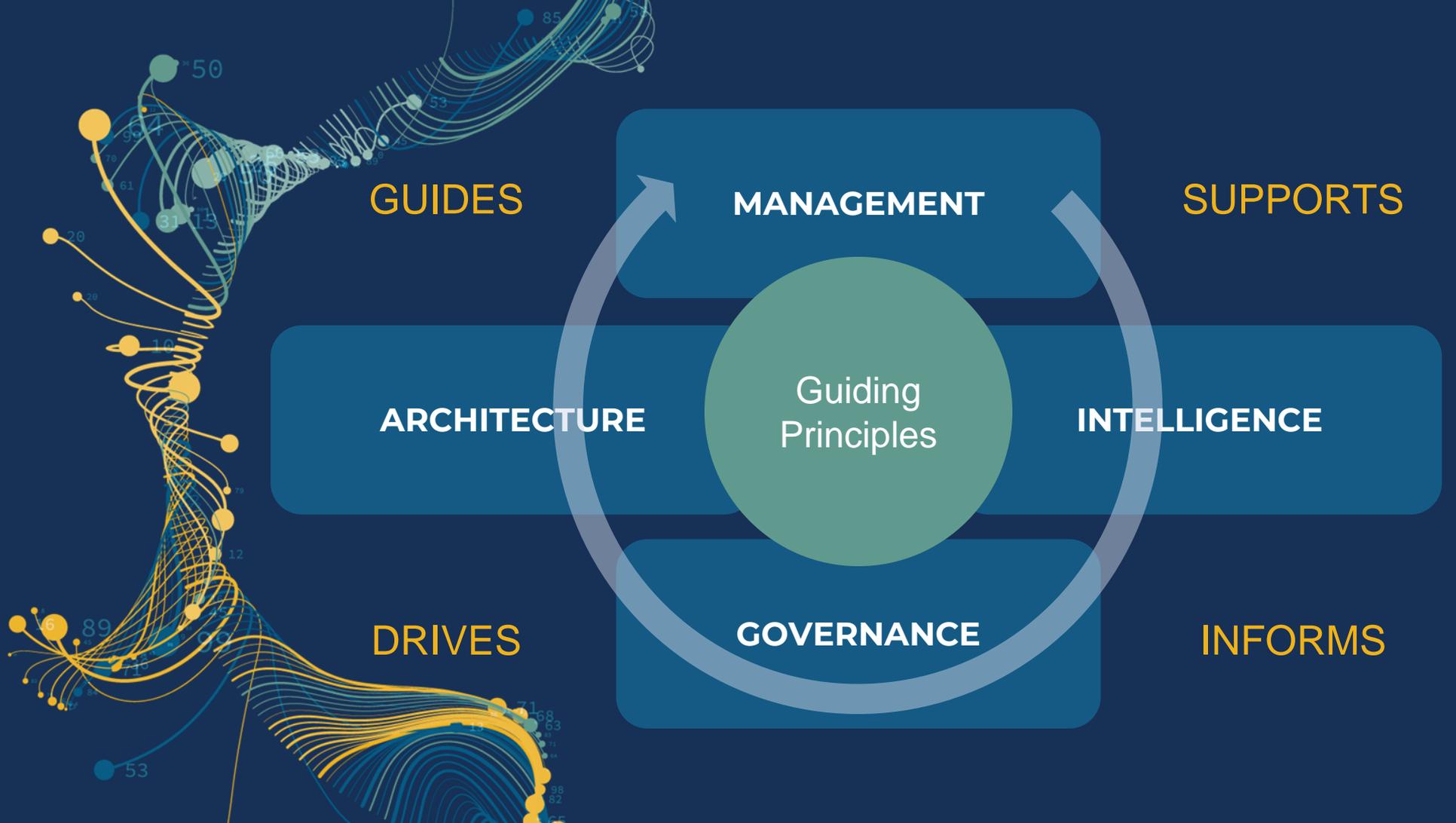
Rural IT Apprenticeship
Program
Commonwealth Analytics
Fellowship
Commonwealth Data Internship
Program



Data Governance

The Foundation of Data Strategy







Guiding Principles

- ▶ Used to support **mission** goals.
- ▶ Interpreted, analyzed, and assimilated to support **actionable** decisions.
- ▶ Standardized to promote **interoperability** and integration.
- ▶ Managed to maintain quality, **integrity**, and reliability.
- ▶ Accessible with appropriate **security** controls.
- ▶ Disseminated to promote **reuse**.



Why Data Governance?

- ▶ IMPROVE Operational Efficiency.
- ▶ MORE Citizen-Centered Services.
- ▶ BETTER Outcomes for Constituents.

ACTIONABLE DECISIONS

Integrate

INTELLIGENCE

Assimilate

KNOWLEDGE

Interpret

INFORMATION

Collect

DATA



Virginia Data Commission

27 members

- Executive
- Legislative
- Judicial
- Region Representatives

Advise GOVERNOR

Commonwealth data sharing and analytics

- Identify goals and objectives
- Prioritize initiatives
- Study & report
- Recommend changes to budget and code



Execute

Office of Data Governance and Analytics

- **WHO:** Chief Data Officer
- **WHAT:** Provides a governance, policy, and technology framework, facilitates data sharing, manages the Commonwealth Data Trust, oversees the dissemination of open data
- **WHY:** Chairs the Executive Data Board and Data Governance Council

Data Governance Council

- **WHO:** employees of the agencies represented on the Executive Data Board
- **WHAT:** Liaise between agency operations & CDO, administer data governance policies set by the Board, oversee data sharing & analytics projects, review open data assets, report progress & compliance to the Board
- **WHY:** advise CDO on data technology, policy, and governance structure

Advise Chief Data Officer

Executive Data Board

- **WHO:** directors or chief executives of executive branch agencies engaged with the Commonwealth Data Trust
- **WHAT:** Translate Commonwealth goals to agency performance targets, provide resources, remove organizational obstacles, appoint Data Governance Council members
- **WHY:** Oversee Data Governance Council

Oversee Data Governance Council



Roles and Responsibilities

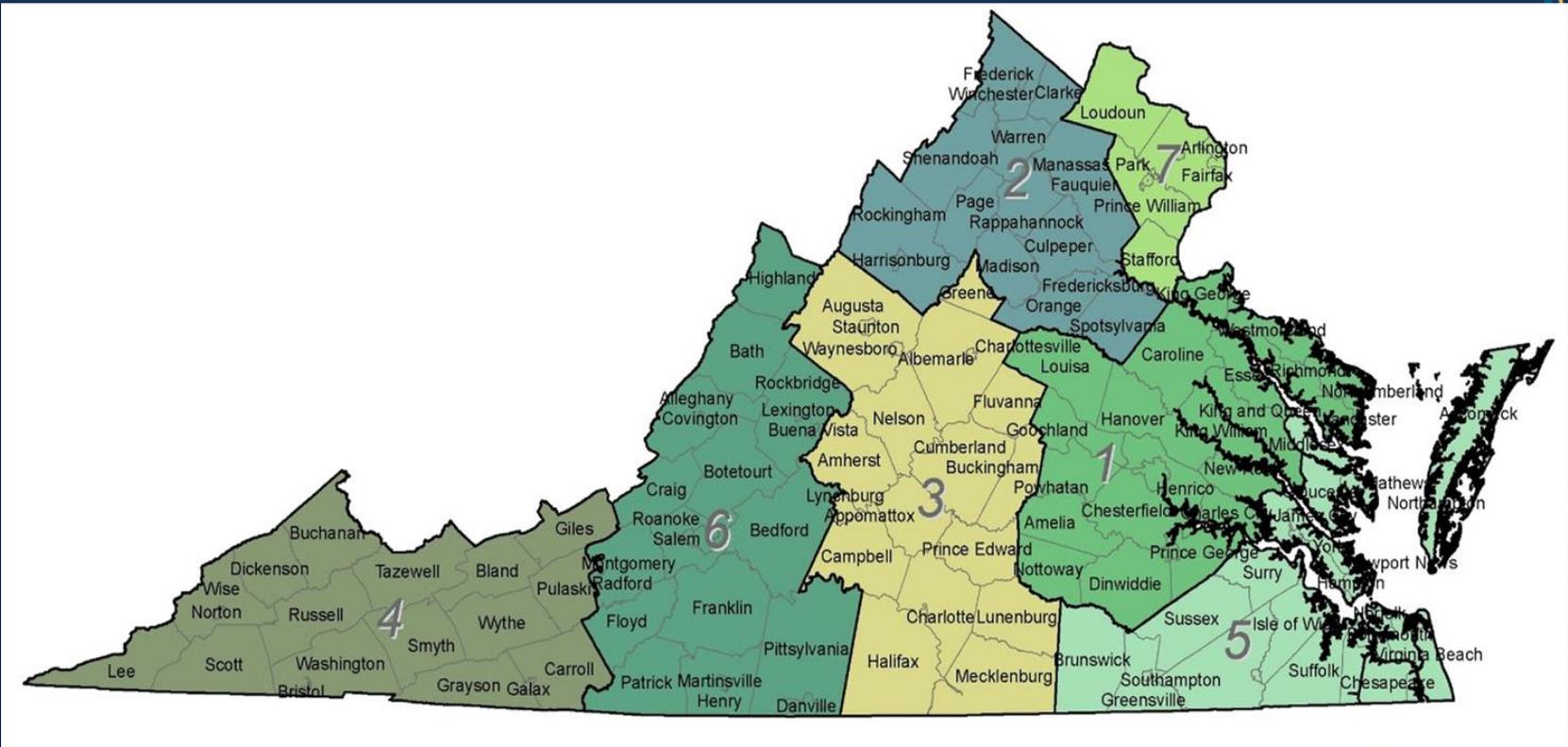
Executive Level	Virginia Data Advisory Commission
Strategic Level	Executive Data Board
Tactical Level	Data Governance Council - Agency Data Officers
Operational Level	Data Stewards Data Management Technical Team Data Domain Managers/Experts Business/Program Management Geospatial Information Officers Information System Security Officers Information System Security Managers Data Scientists, Architects, Engineers, and Analysts Stakeholders and Consumers



Virginia Data Advisory Commission

- ▶ Chaired by the Commonwealth of Virginia Chief Data Officer
- ▶ 27 members (6 legislative, 7 citizen, 14 state officials)
- ▶ Study, report, and make recommendations to the Governor on all areas of data governance, quality, sharing, analytics, reporting, intelligence, and performance management
- ▶ Advise and assist the Chief Data Officer to set, plan, prioritize, and review data and outcome performance goals and objectives to improve operational efficiency, increase delivery of customer-centered services, and promote better outcomes for constituents
- ▶ Make recommendations to the Governor on performance goals and objectives requiring engagement from organizations across state government
- ▶ Cooperate with local governments

VDAC Geographic Regions





Executive Data Board

- ▶ Chaired by the Commonwealth of Virginia Chief Data Officer
- ▶ Translate the Commonwealth's data-driven policy goals and objectives to agency performance targets
- ▶ Allocate appropriate agency resources to support data governance, sharing, and analytics initiatives
- ▶ Provide to the Virginia Data Advisory Commission any reports on the Board's recommendations and work as required by the Commission



Data Governance Council

- ▶ Chaired by the Commonwealth of Virginia Chief Data Officer (or designee)
- ▶ Liaise between state agency operations and the Chief Data Officer
- ▶ Advise the Chief Data Officer on technology, policy, and governance strategies
- ▶ Administer data governance policies, standards, and best practices as set by the Executive Data Board
- ▶ Oversee data sharing and analytics projects
- ▶ Review open data assets
- ▶ Governs the Commonwealth Data Trust
- ▶ Report progress, compliance, and performance to the Executive Data Board



Data Stewards Group

- ▶ Employees of executive branch agencies experienced in data management or analytics
- ▶ Promote and facilitate the secure and appropriate sharing and use of data assets in support of data-driven policymaking, evidence-based decision-making, research, and analysis
- ▶ Maximize the value and utility of Commonwealth data-related investments and assets
- ▶ Promote increased sharing of data between state agencies and localities to provide tangible operational improvements to assist state agencies and localities in fulfilling their respective missions in a coordinated, cost-effective manner
- ▶ Provide public access to data assets, where lawful and appropriate, to enhance research, innovation, and insight



Office of Data Governance & Analytics

- ▶ Guides the development of enterprise standards, policies, and best practices to ensure the organization's data holdings *increase* in value over time.
- ▶ Liaise between Mission and Technology Programs.
- ▶ Leads enterprise data governance across the Commonwealth.
- ▶ Promotes secure data sharing.
- ▶ Define agency data governance responsibilities
- ▶ Administer and manage the Commonwealth Data Trust
- ▶ Oversee dissemination of open data



Solutions

What's Available to Agencies





Enterprise Data Catalog

- ▶ Inventory of the Commonwealth's data assets
- ▶ Powered by Microsoft Azure
- ▶ Enterprise-level data inventory empowers agencies to make data-driven decisions
- ▶ Supports data discovery & sharing
- ▶ Metadata enables the transformation of data into intelligence



Commonwealth Metadata Dictionary

- ▶ External, public-facing
- ▶ Supports data discovery & sharing
- ▶ Only available once data owners 'Publish' the metadata asset



Commonwealth Data Trust

Safe, secure, and legally compliant
information sharing environment





Commonwealth Data Trust

- ▶ Establish consistent requirements for trust members through a standardized data sharing agreement process
- ▶ Provide a scalable alternative to multiple “point-to-point” sharing
- ▶ Promote trust among members through common rules for data security, privacy, and confidentiality
- ▶ Reduce technical costs by onboarding to a single environment using standard NIEM protocols
- ▶ VLDS, FAACT, Workforce and COVID-19 Data Trusts



“Organizations are not putting their data *in the trust*, they are making data available *through the trust*.”



VLDS DATA TRUST

The organizations that have contributed data so far included Federal, State, Local and Private organizations:

- **DOE**
- **DARS**
- **DHP**
- **DJJ**
- **DSS**
- **CSA**
- **SCHEV**
- **VCCS**
- **VEC**
- **VGN**

FAACT Data Trust

The organizations that have contributed data so far included Federal, State, Local and Private organizations:

- **DCJS**
- **Local Corrections**
- **Virginia State Police**
- **Community Service Board**
- **Virginia Dept. of Forensic Sciences**
- **Winchester Police Department**
- **Private Healthcare System**
- **U.S. Census and Bureau of Labor**





WORKFORCE DATA TRUST

The organizations that have contributed data so far included Federal, State, Local and Private organizations:

- **VCCS**
- **DOLI**
- **DARS**
- **VEDP**
- **VEC**
- **DBVI**
- **DSS**
- **DOE**
- **DVS**



COMMONWEALTH DATA TRUST

The organizations that have joined the data trust so far include State, Local and Private organizations:

CIT

DCJS

DGS/DCLS

DSS

LOV

ODGA

SCB

DOC

VARR

VHHA

VDEM

VDH

VEC



Secure Analytics and Governance Environment

- ▶ Launched August 2020
- ▶ Technical implementation of the Data Trust
- ▶ Restricted-use data assets
- ▶ Securely matches PII through an anonymized crosswalk table
- ▶ Aggregated data can be published to the Open Data Portal





CoVERED - Entity Resolution

- ▶ Universal Entity Index is a crosswalk table linking individuals across multiple systems without using their personally identifiable information
- ▶ VDH has asked OGDA to engage with Verato (an entity resolution firm) to add SDOH (social determinants of health data) to CoVERED
- ▶ VITA has expressed interest in developing a Citizen Portal which requires the management of individual level personally identifiable information to support authentication



Secure Connected Government Cloud

- ▶ Initiated in 2019 to support FAACT
- ▶ SCGC environment supports secure and appropriate data sharing with approved partners across the commonwealth including localities, academic institutions, and private organizations
- ▶ Leveraged extensively to support the COVID-19 response



Secure Data Enclave

CIT managed and administered AWS WorkSpaces environment.

Designed to support organizations that do not have the resources to establish secure environments for restricted-use data.

The secure environment will be assessed and monitored by VITA's Enterprise Cloud and Oversight Services.

Organizations that provision instances within this environment will have met VITA's security control requirements facilitating access to restricted-use data assets.





Virginia Open Data Portal

- ▶ Launched June 2020
- ▶ Collaboration with Library of Virginia
- ▶ Extend access to Commonwealth open data
- ▶ View stories, dashboards, create visualizations, filter data, & access via API
- ▶ “Suggest a Dataset” feature





Data Literacy & Talent

"You can't hire your way out of a skills gap."





Data Literacy & Student Engagement

- ▶ Data Governance Course in COVLC (*state employees*)
- ▶ Rural Apprenticeship Program (RITA)
 - Data Documentation and Visualization
 - Data Quality Assessments
- ▶ Commonwealth Data Internship Program
 - Exploratory Data Analysis
 - Data Modeling



COVLC Data Governance Course

- ▶ A 5-module course in the COVLC that serves as a professional development opportunity for *state employees* to become well versed in basic data concepts.
- ▶ Everyone plays an integral role, no matter what your job or title might be, in creating a culture where high quality data is valued and informs our decision making.



Data Governance Course Topics

- ▶ The Data governance framework for the Commonwealth of Virginia
- ▶ Data lifecycle steps
- ▶ Different types of data (reference data, master data, and metadata)
- ▶ What defines a golden record
- ▶ Data Roles (owners, stewards, custodians, and curators)
- ▶ Data privacy laws and policies
- ▶ And more!

The background features a dark blue field with intricate, flowing patterns of thin yellow and light blue lines. These lines are interspersed with small, semi-transparent circles in shades of yellow, light blue, and dark blue, creating a sense of movement and connectivity. The overall aesthetic is modern and digital.

This course has been live since June 2020. Since then, over 200 state employees have accessed the course.



Top Virginia Agencies

Top agencies that have had employees participate in the course:

- ▶ Department of Corrections
- ▶ Department of Juvenile Justice
- ▶ Department of Taxation
- ▶ Department of Motor Vehicles
- ▶ Department of Behavioral Health and Developmental Services
- ▶ Reynolds Community College
- ▶ Northern Virginia Community College
- ▶ Virginia Information Technology Agency
- ▶ Virginia 529
- ▶ ...



Course Modules

DATA GOVERNANCE AND ANALYTICS
CHIEF DATA OFFICER
COMMONWEALTH OF VIRGINIA

Virginia Data Governance



Data Governance Modules



- Module 1: Definitions and Data Governance Concepts
- Module 2: Roles and Responsibilities
- Module 3: Metadata
- Module 4: Reference and Master Data
- Module 5: Legal and Regulatory Environment

Data Governance Training



Course Content

The Data Lifecycle

- It includes processes that create or obtain data, those that move, transform, and store it and enable it to be maintained and shared, and those that use or apply it, and those that dispose of it
- This model is a slight variation of the “typical” data lifecycle – this model emphasizes the **curation** of data within the lifecycle



Module 1

Data Governance Training

What is Data Governance?

DATA GOVERNANCE:

- is the exercise of authority and control over the management of the data assets
- are organizationally and culturally specific
- should be considered a program rather than a project



Module 1

Data Governance Training

Course Participation





Strategic Partnerships for RITA

- ▶ Secretary of Labor
 - ▶ Approves program guidelines and policies
 - ▶ Determines strategic direction for the program
- ▶ Southwest Virginia Higher Education Center
 - ▶ Administers the Rural IT Apprenticeship Program
 - ▶ Oversight of grant recipients
 - ▶ Funds apprentice salaries through GA appropriation
- ▶ Virginia Tobacco Commission
 - ▶ Apprentice Tuition
 - ▶ Outreach
- ▶ Grant Recipients
 - ▶ Small, rural information technology business
 - ▶ Mentorship
 - ▶ IT Projects



Strategic Partnerships

- ▶ Radford University's Vinod Chachra IMPACT Lab
 - ▶ Online, self-paced, competency-based curriculum
 - ▶ 3 undergraduate credits in Geospatial Intelligence
 - ▶ GEOS 125 – Intro to Geospatial Data and Technology
 - ▶ 6 undergraduate credits in Cybersecurity
 - ▶ CBIT 101 – Foundations in Cybersecurity
 - ▶ CBIT 240 – Data and Web Security
 - ▶ 6 undergraduate credit in Data Intelligence
 - ▶ CBIT 243 - Data Documentation and Curation
 - ▶ CBIT 343 - Data Quality and Visualization



Commonwealth Data Internship Program

- ▶ CDIP supports the data talent pipeline developed by the CDO and used by OGDA to engage students in data documentation and cataloging
- ▶ Seeking to formalize the program to hire 10 students per year on a continual basis
- ▶ Partnered with Radford University to develop an online self-paced, competency-based data intelligence curriculum to develop intern's skills and increase their marketability
- ▶ Current partners include VSU, NSU, ODU, VCU, UVA, and GMU



Virginia Datathons

- ▶ **2016 – New Virginia Economy**
- ▶ **2017 – Opioid Addiction**
- ▶ **2018 – *Postponed to 2019***
- ▶ **2019 – Equity in Education**
- ▶ **2020 – Communities and COVID-19**
- ▶ **2021 – Food Insecurity**



Data Intelligence Solutions

“Data is not intelligence”

~William Binney





Data Intelligence-as-a-Solution

- ▶ Value-added component to participating in Data Trust
- ▶ Provides infrastructure (PowerBI), system lifecycle administration services, & human resources
- ▶ Empowers agencies to publish business intelligence products



CoVERS

- ▶ Commonwealth of Virginia Enterprise Reporting System
- ▶ Power BI-based environment supporting the report, visualization, and dashboard publishing needs of the commonwealth
- ▶ Agencies and/or their agents develop the intelligence products (reports, visualizations, or dashboards) and OGDA deploys them to our test environment for review and promotes to our production environment once approved
- ▶ Alleviates the need for agencies to invest in their own technical and human infrastructure



Data Sharing

How it all works together.



Data Governance and Technical Infrastructure



Government Agency



Law Enforcement



Medical Professional



Policy Maker



Innovative Research



Social Worker



Academia Higher Ed



Community Leader

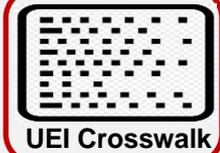


Public Stakeholder

Publish to Public Catalog

Commonwealth Data Trust

Restricted Data



Anonymized



PII Matching
CoVERED

PII Data

Power BI
python
Secure Data Enclave
Environment for Restricted Data
SOCRATA

Secure Govt Cloud



De-identified Data

Data Documentation
Data Stewards
Student Apprentices
Document
Approve
Publish
Register



Publish to Open Data Portal

Metadata

LIBRARY OF VIRGINIA

Open Data
Open Data Portal
data.virginia.gov

Open Data

Data Governance Council





Data-Driven Outcomes

Data Delivered Results



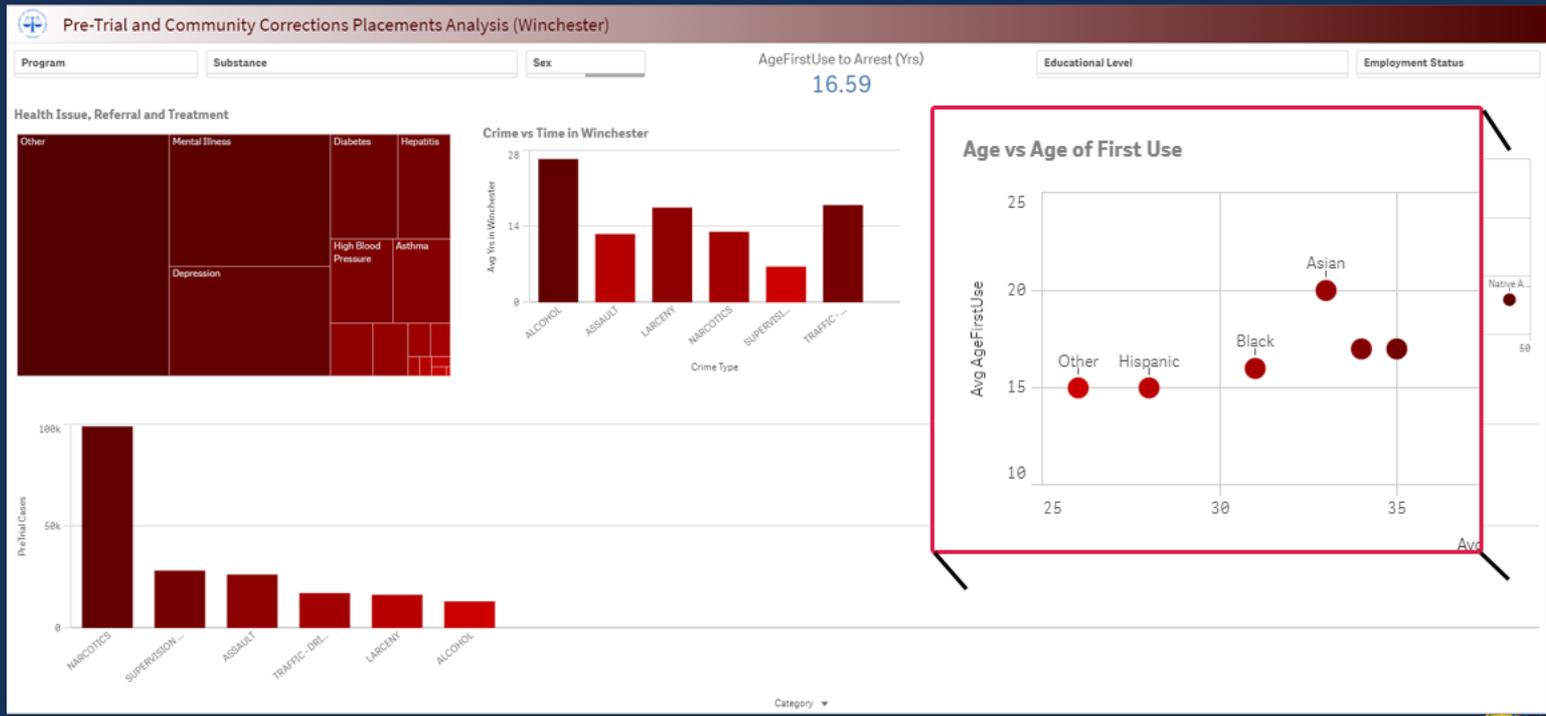


Opioid Epidemic

- ▶ Catalyst for creating Commonwealth Data Trust
- ▶ Framework for Addiction Analysis and Community Transformation (FAACT) developed
 - ▶ inter-agency, cloud-based, data-sharing and analytics platform with integrated datasets from social services, health, education, law enforcement, and forensics
- ▶ Opioid overdoses went from an average of **31% to 15%** from Q1 to Q4 in 2019



FAACT Intelligence





FAACT Impact

- ▶ **Overdose Threshold** empowers immediate community-level response
- ▶ **Age of First Use** informs community outreach & education efforts
- ▶ Drug Court Policy
- ▶ Validated benefit of data sharing efficiency & effectiveness
- ▶ **Drug Intensity** using **Age of First Use** to **Age of First Interaction with Law Enforcement**
- ▶ \$1M Grant from an external foundation

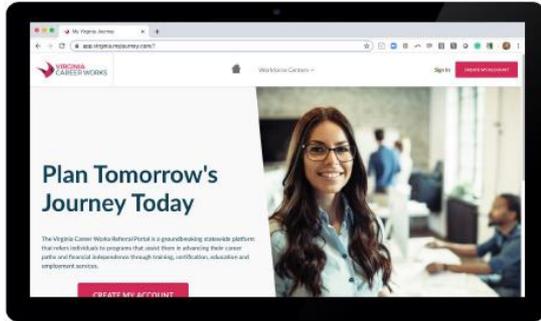


Workforce Data Trust & Referral Portal

- ▶ December 2018 - CDO partnered with Governor's Chief Workforce Advisor to build new portal
- ▶ Platform connecting VA residents with government-sponsored training, certification, and employment services
- ▶ Scalable, standards-driven system that provides a future-proofed foundation for continuing development
- ▶ Vital to economic recovery from COVID-19

Virginia Career Works

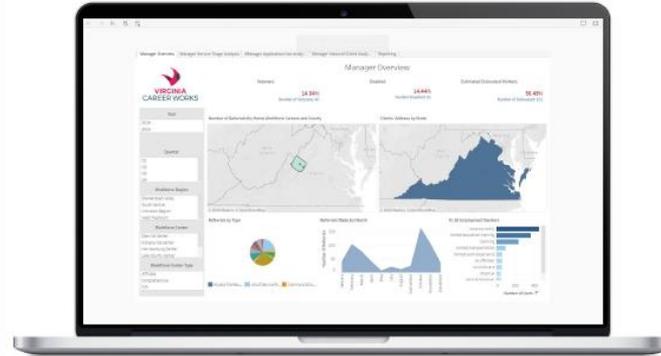
For clients



VIRGINIA CAREER WORKS REFERRAL PORTAL

Connecting individuals to
education, career, and
support resources

For professionals



Virginia Career Works Dashboards

Sharing clients contact
information, barriers, and
accepted Referrals



Virginia Workforce Data Trust

“The agencies specified in subsection D shall enter into a memorandum of understanding supporting the Virginia Workforce Data Trust and the associated application ecosystem. “Virginia Workforce Data Trust” means a workforce database maintained by the Secretary of Labor of the Commonwealth compliant with § 2.2-2009. In accordance with the governance process defined in the aforementioned memorandum, the data sharing referenced in subsection A shall be accomplished by integrating additional organizations, systems, data elements, and functionality into the Virginia Workforce Data Trust.”

§ 2.2-435.8



COVID-19 Response

- ▶ FAACT platform expanded in days due to having the technical, legal, and governance infrastructure in place
- ▶ The COVID-19 dashboards helped mitigate the spread of COVID-19 and maintain an adequate supply of resources
- ▶ Intelligence driven by real-time data identified hospitals in need of supplies, hospitals and regions that had surge capacity, and locations with the largest outbreaks of COVID-19 cases

COVID-19 Hospital Demand

Overall State View

Reset selections

VDEM Region

Health Region

Health District

Jurisdiction

Zip Code

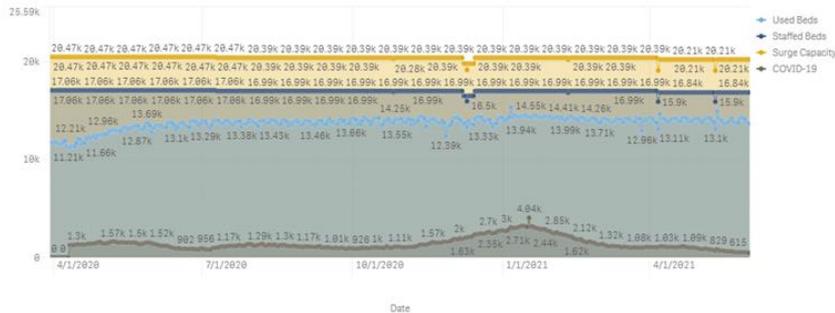
Report Date

Total Cases To Date
664,260

Total Hospitalized To Date
29,713

Total Deaths To Date
11,160

Beds



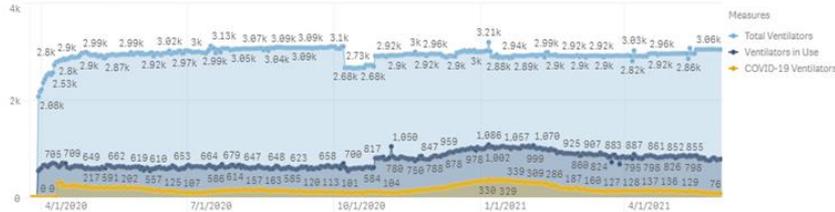
% COVID-19 Beds	
Staffed Beds	
Available Beds	
% Available Beds	
% COVID-19 Beds	

Total Ventilators	
Ventilators in Use	
Ventilators Available	
% Used Ventilators	
% COVID-19 Ventilators	
Total ICU	
In Use ICU	
ICU Available	
% Used ICU	
% COVID-19 ICU	

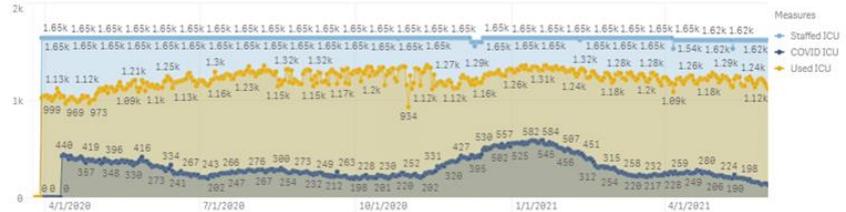


Total Staffed Beds @ Surge Capacity is incomplete as not all facilities responded to annual survey

Ventilator Supply & Usage



ICU Patients



Lab Testing Performance

Lab Testing Performance

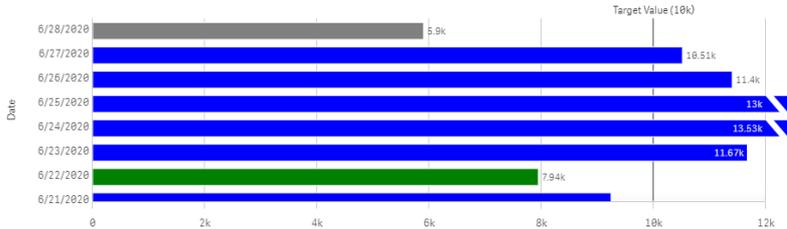
Reset selections Lab Type Test Date

Tests Completed Statewide
734,286

Confirmed Positive Statewide
82,147

Percent Positive Statewide
11.2%

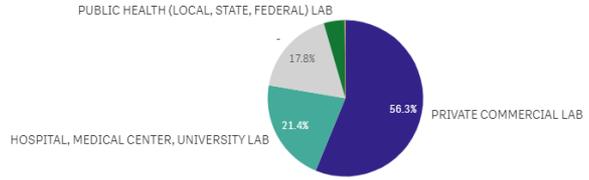
Test Samples Completed By Day



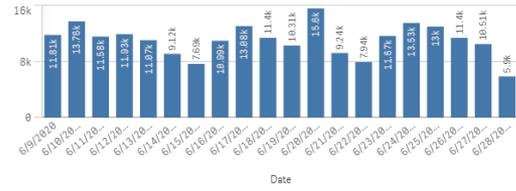
0%-20% = Red, 21-40 = Orange, 41-60 = Grey, 61-80 = Green, 81+ = Blue.

Tests By Lab

Chart View Detail View



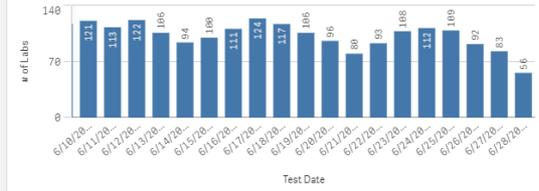
Number of Tests



Percent Positive by Day



Labs Reporting





Patient Testing Coverage

Patient Testing Coverage

Reset selections
VDH Region
Health District
FIPS
Zip Code
Report Date

Total Patient Tests Statewide 702,849	% Positive Statewide 11.0%	Localities Meeting Requirement 37	Localities Meeting Goal 11
--	---	--	---

Patient Testing

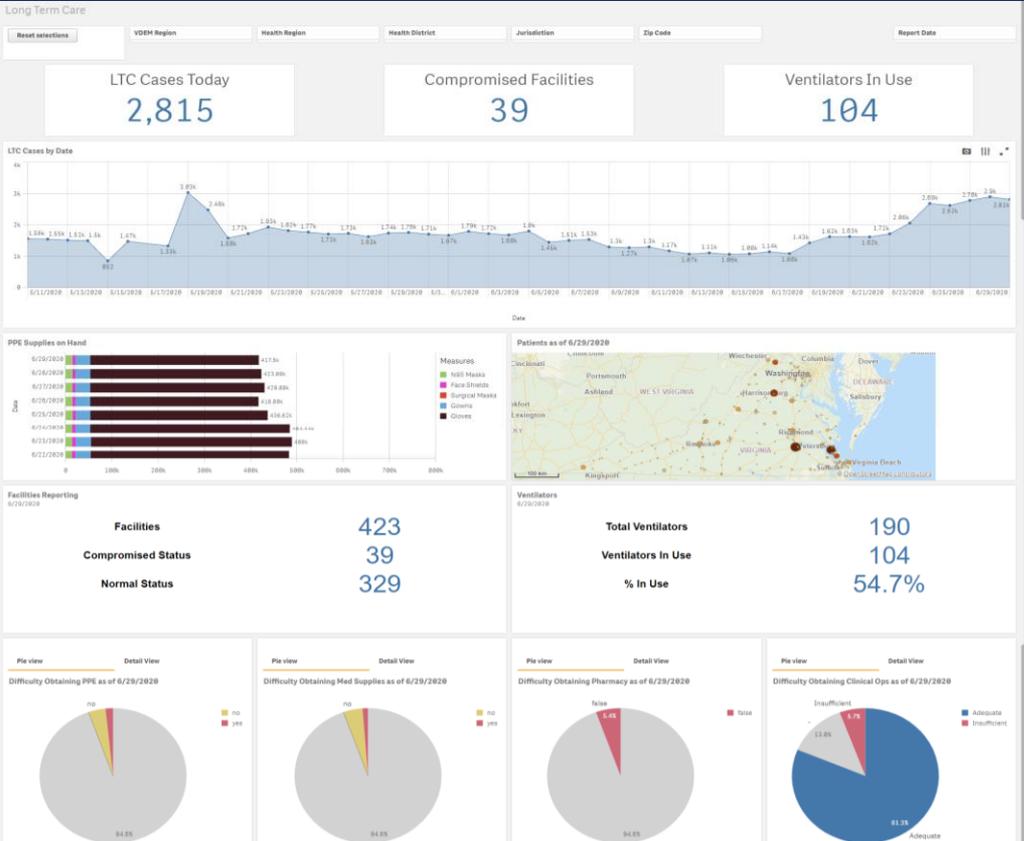
Tests Completed To Date
District -> FIPS -> Zip

Total Patient Tests Today 5,782	% Positive Today 7.0%	Localities 6/28/2020 <table style="margin: 5px auto; border: none;"> <tr> <td style="padding: 0 10px;">Below Requirement</td> <td style="padding: 0 10px;">Above Requirement & Below Goal</td> <td style="padding: 0 10px;">Above Goal</td> </tr> <tr> <td style="text-align: center; font-size: 24pt; font-weight: bold;">81</td> <td style="text-align: center; font-size: 24pt; font-weight: bold;">37</td> <td style="text-align: center; font-size: 24pt; font-weight: bold;">11</td> </tr> </table>	Below Requirement	Above Requirement & Below Goal	Above Goal	81	37	11
Below Requirement	Above Requirement & Below Goal	Above Goal						
81	37	11						

PCR Tests Today 6/28/2020 <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total Tests</td> <td style="text-align: center;">Positive Test</td> <td style="text-align: center;">% Positive</td> </tr> <tr> <td style="text-align: center; font-size: 24pt; font-weight: bold;">5,481</td> <td style="text-align: center; font-size: 24pt; font-weight: bold;">389</td> <td style="text-align: center; font-size: 24pt; font-weight: bold;">7.1%</td> </tr> </table>	Total Tests	Positive Test	% Positive	5,481	389	7.1%	Serology Tests Today 6/28/2020 <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total Tests</td> <td style="text-align: center;">Positive Test</td> <td style="text-align: center;">% Positive</td> </tr> <tr> <td style="text-align: center; font-size: 24pt; font-weight: bold;">301</td> <td style="text-align: center; font-size: 24pt; font-weight: bold;">16</td> <td style="text-align: center; font-size: 24pt; font-weight: bold;">5.3%</td> </tr> </table>	Total Tests	Positive Test	% Positive	301	16	5.3%	Antigen Tests Today 6/28/2020 <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total Tests</td> <td style="text-align: center;">Positive Test</td> <td style="text-align: center;">% Positive</td> </tr> <tr> <td style="text-align: center; font-size: 24pt; font-weight: bold;">0</td> <td style="text-align: center; font-size: 24pt; font-weight: bold;">0</td> <td style="text-align: center; font-size: 24pt; font-weight: bold;">-</td> </tr> </table>	Total Tests	Positive Test	% Positive	0	0	-
Total Tests	Positive Test	% Positive																		
5,481	389	7.1%																		
Total Tests	Positive Test	% Positive																		
301	16	5.3%																		
Total Tests	Positive Test	% Positive																		
0	0	-																		

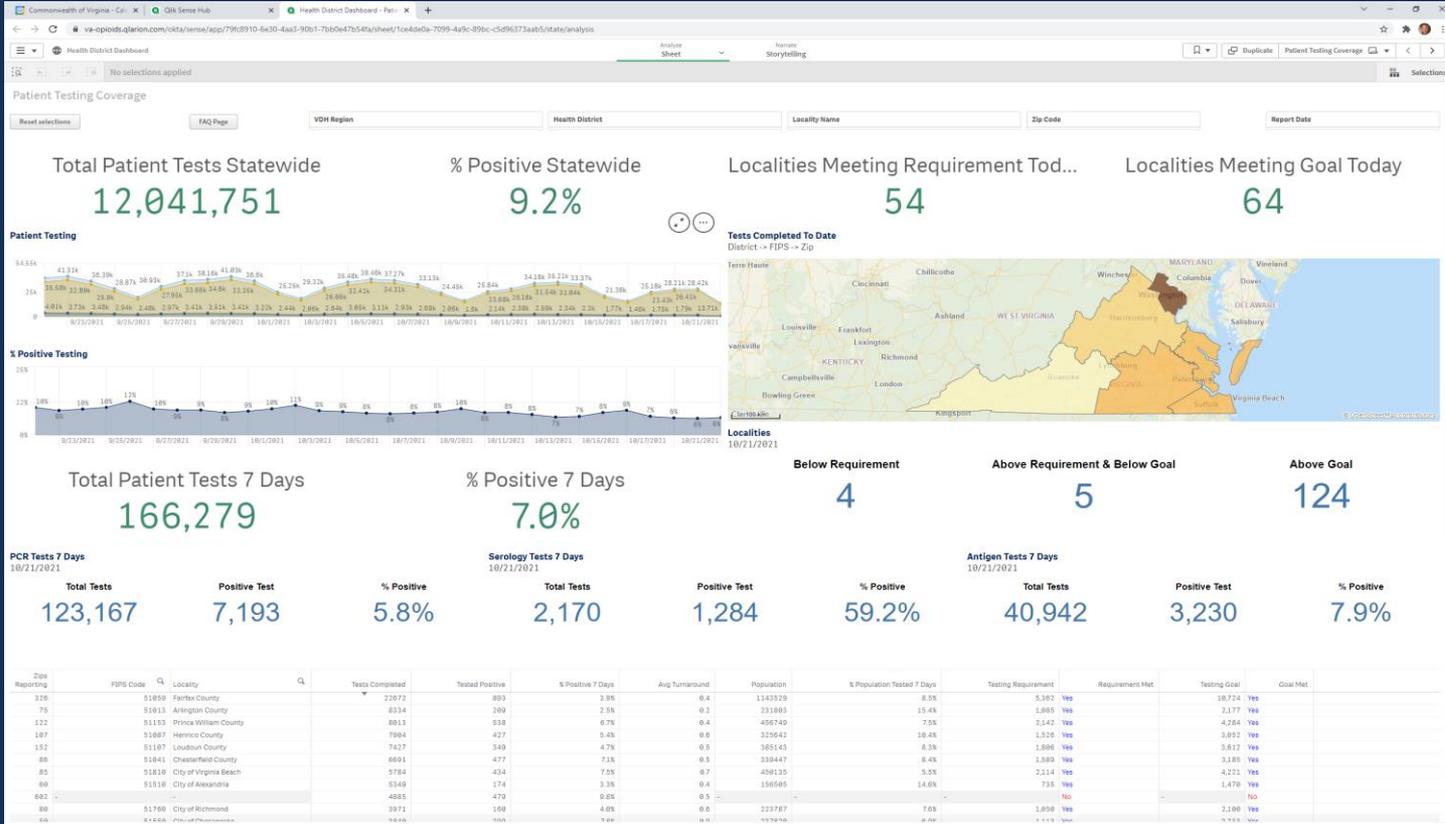


Long-Term Care Facilities





Health District Dashboard





Vaccine Administration

- ▶ Virginia Health District Dashboards allowed the Commonwealth to gain granular visibility into whether vaccines were being administered equitably along with oversight of how local health districts were performing.
- ▶ February 2021: 90 different data systems from 35 local health districts were consolidated in less than 72 hours. The result was 1.8 million records pared down to 1.2 million unique individuals.
- ▶ The system now has over 5.4 million unique individuals combining the pre-registration, vaccine notification, and administration datasets.



Health District Dashboard

Health District Dashboard
Analysis Sheet
Namespace Storytelling

No selections applied
Selection

Preregistration

Has Registered

Has Vaccination

Has Condition

Home Health District (Zip)

Home Health District (Geo)

Home Census Tract (Geo)

Locality (Zip)

Phase

Opted Out

Has Notification

Has Vaccination Complete

Has Insurance

Work Health District (Zip)

Work Health District (Geo)

Work Census Tract (Geo)

Occupation Type

Long-Term Care Facilities

Email Response

Has Appointment

Assigned Health District

Dual Eligible

Vaccination Health District (Zip)

Vaccination Health District (Geo)

Vaccination Census Tract (Geo)

Occupation Subtype

Congregate Living

SMS Response

Unique Individuals

5,116,652

Phase 1a

147,684

Average Age

51

Phase 1b

1,477,032

Vaccinated

4,222,507

Phase 1c

248,645

Preregistrations by Age

Preregistrations by Occupation

Preregistrations by Race

Preregistrations by Ethnicity

* The dollar set contains negative or zero values that cannot be shown. * Currently showing a limited dollar set.





Localities Leveraged Commonwealth Dashboards

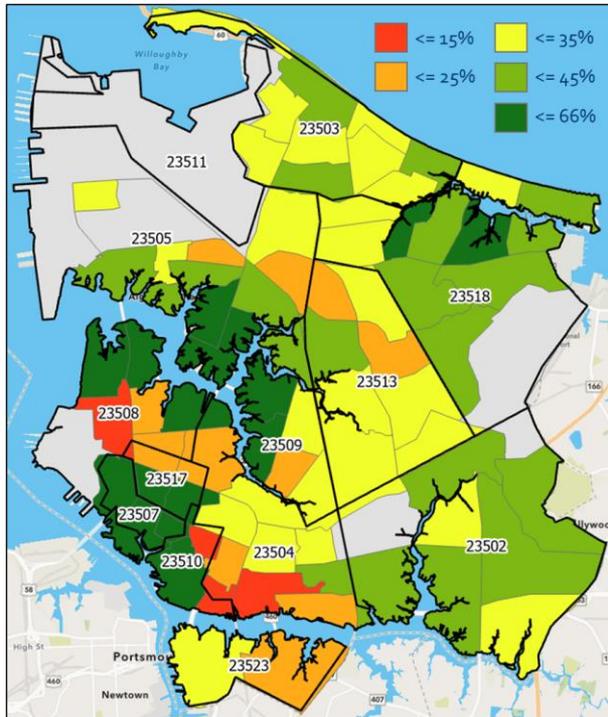
- ▶ Norfolk City used Health District Dashboard API to build an in-house application
- ▶ Guided implementation of mobile clinics
- ▶ Provided insight for targeted neighborhood outreach
- ▶ Supported request for federal assistance = FEMA responded & set up clinics in strategic locations in past 2 months

81,541 received at least one dose of vaccine
64,333 fully vaccinated

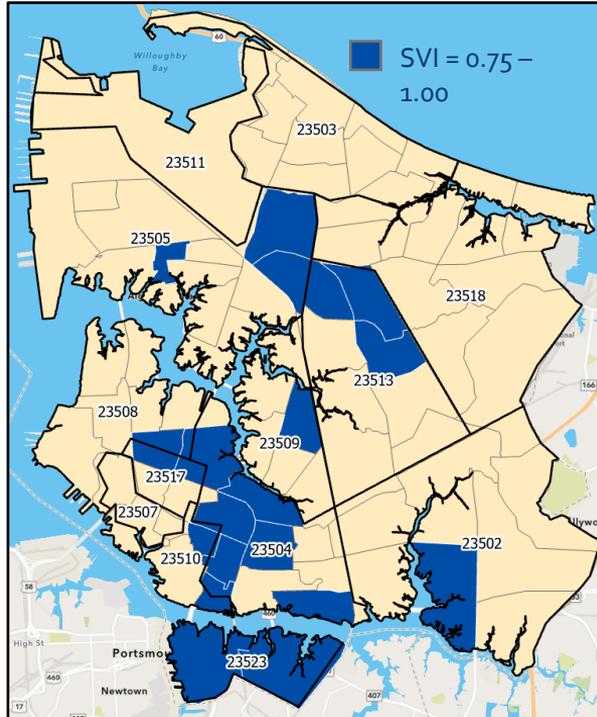
57,074 people live in areas with SVI 0.75 or higher
14,475 (25%) received at least one dose of the vaccine

187,527 people live in areas with SVI 0.74 or lower
61,748 (33%) received at least one dose of the vaccine

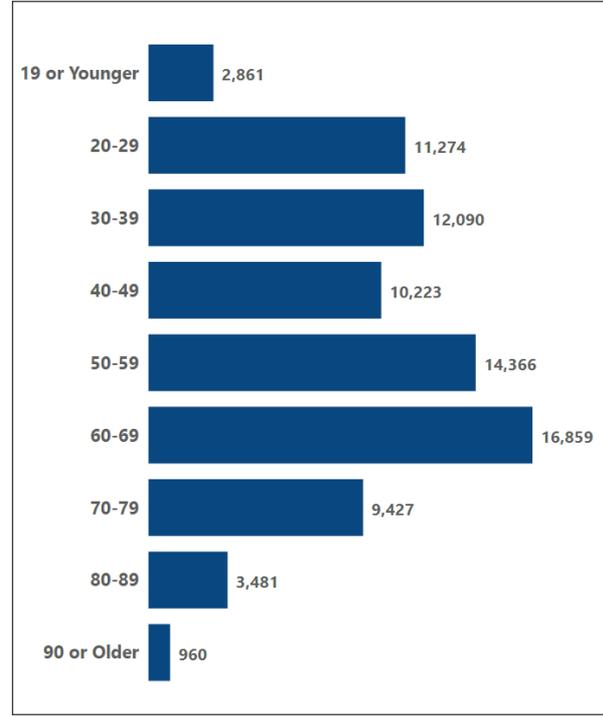
Percentage of Population That Has Received at Least One Dose of Vaccine by Census Tract



Census Tracts with a CDC Social Vulnerability Index (SVI) Score Over 0.75



Population Received at Least One Dose by Age Group





Virginia Department of Health

“The data from this dashboard assisted us a great deal to invite citizens for vaccine appointments and we were able to invite over 600,000 people based on this list. Without this effort from our CDO, it would have been very difficult to administer vaccines keeping our focus on equity and priority groups.”

~Suresh Soundararajan, CIO



Virginia Department of Health

- ▶ ODGA will begin managing the entity matching for Virginia Department of Health through **Commonwealth of Virginia Entity Resolution for Enterprise Data** (CoVERED)
- ▶ This solution ingests two data streams separating the attributes that identify individuals (PII) from those that characterize the government services they receive
- ▶ This is a precursor to developing the Universal Entity Index for the Commonwealth of Virginia



Secretariat of Health & Human Resources

“Through the work of the CDO and his team, the Virginia Emergency Support Team (VEST) has used the data as a *key resource for decision making* to track our progress in vaccinating Virginians as a whole and specific populations that we know have been disproportionately impacted by COVID-19, such as the Black and Hispanic/Latino communities and persons who are medically fragile or disabled.”

~Vanessa Walker Harris, MD, Commonwealth Deputy Secretary of Health and Human Resources



Virginia Community Policing Act

The Virginia Community Policing Act required the Virginia State Police to develop and implement a uniform statewide database to collect motor vehicle and investigatory stop records, records of complaints alleging the use of excessive force, and data and information submitted by law-enforcement agencies for public consumption.

With 2 months before the deadline of July 1, 2021, VSP reached out to our office for a solution.

We provided a landing page, visualization tools, and the ability to provide the data to the public on the Virginia Open Data Portal.

“VSP was able to quickly, and easily, utilize the Open Data Portal to aggregate data required by the Community Policing Act two months prior to the deadline. Simple visualizations, easy modification, and providing a centralized webpage for both agencies and the public was our goal; without the Open Data Portal this project would not have come to fruition.”

~Keon Turner, Manager, Virginia State Police
Criminal Justice Information Services
Data Analysis & Reporting Team



Health Equity Dashboards

- ▶ Leverages ODGA Data Intelligence-as-a-Solution
- ▶ Commonwealth originally paid a consulting agency over *one million dollars* to build and manage initial Tableau dashboards
- ▶ Dashboards are publicly accessible through our external facing, anonymous user environment
- ▶ ODGA is taking over development and management of the dashboards in PowerBI at no cost



Roadmap to End Hunger Dashboards

- ▶ Leveraging Open Data Portal to showcase data, build interactive visualizations, and develop a landing page describing the initiative
- ▶ Data Intelligence-as-a-Solution used to develop internal dashboards to measure roadmap performance and provide transparency
- ▶ Partners include the Virginia Dept. of Education, Virginia Federation of Food Banks, Virginia Department of Social Services



Virginia Department of Emergency Management

- ▶ Payroll Automation Project
- ▶ Automating the payroll process to categorize employees by disaster for each pay period
- ▶ Generates a file to be uploaded into the Cardinal General Ledger system



Virginia Employment Commission

- ▶ Fraud Detection Analytics
- ▶ Hosting the Fraud Detection and Analytics solution using the data and Power BI infrastructure of the Office of Data Governance and Analytics.
- ▶ VEC tasked with identifying fraud across multiple systems including legacy mainframe technologies.
- ▶ ODGA provided guidance in the development of the Statement of Requirements as well as solution support.



Virginia Employment Commission: How?

- ▶ Power BI reporting and intelligence solution
- ▶ SEC-501 compliant, secure, production environment hosting agency reports, visualizations, and dashboards to query, mine, and analyze data.
- ▶ COVERS: Commonwealth of Virginia Enterprise Reporting System
- ▶ Microsoft leveraged and uses Hypervisor VMware and SQL server enterprise database.
- ▶ Unysis provides all system support for these environments.



“The Virginia Employment Commission (VEC) partnered with the Office of Data Governance and Analytics (ODGA) to host a fraud data analytics solution that VEC and a private vendor developed. This solution was designed to enable the VEC to quickly identify and investigate fraudulent and potentially fraudulent claims for unemployment compensation. Work on developing the solution began in early March, and it was deployed on July 31, 2021. During the first three weeks of its use, the VEC was able to identify 1,675 claims that displayed significant characteristics of fraud. This enabled the agency to target investigation resources on those claims that had a potential dollar value of \$11.1 million. On August 19, the VEC was able to use this tool to identify and shut down 249 claims that were the direct result of a "bot" attack by a criminal element.

The tool has proven very effective. Our partnership with the OGDA was extremely important to the speed with which we were able to deploy this solution since we were able to leverage the OGDA's existing infrastructure and development tools.”

- VEC employee feedback



Virginia Commission on Youth Crossover Youth Information Sharing

Request the Office of Data Governance and Analytics to work with the Department of Juvenile Justice, Department of Social Services, Department of Behavioral Health and Developmental Services and other applicable stakeholders to create a plan to use the Commonwealth Data Trust to enable local departments to identify and share crossover youth status at the youth's initial contact point with an agency for purposes of service delivery.

This plan should identify what systems, and the records or information therein, that must be made available to the Data Trust to identify and share crossover youth status at initial point of contact with the respective agencies, what consents need to be obtained from the youth and guardians, what agreements need to be made between the relevant agencies as well as with the Office of Data Governance and Analytics, and what legislative or funding changes if any will be necessary to implement this practice. The Office of Data Governance and Analytics shall report back its findings and recommendations to the Commission on Youth by November 1, 2022.



Marijuana Use Data Study

Enactment clause:

That the Secretaries of Agriculture and Forestry, Health and Human Resources, and Public Safety and Homeland Security shall convene a work group with all appropriate state agencies and authorities to develop a plan for identifying and collecting data that can determine the use and misuse of marijuana in order to determine appropriate policies and programs to promote public health and safety. The plan shall include marijuana-related data regarding (i) poison control center calls; (ii) hospital and emergency room visits; (iii) impaired driving; (iv) use rates, including heavy or frequent use, mode of use, and demographic information for vulnerable populations, including youth and pregnant women; and (v) treatment rates for cannabis use disorder and any other diseases related to marijuana use.



Marijuana Use Data Study

Enactment clause (continued):

The plan shall detail the categories for which each data source will be collected, including the region where the individual lives or the incident occurred and the age and the race or ethnicity of the individual. The plan shall also include the means by which initial data will be collected as soon as practicable as a benchmark prior to or as soon as possible after the effective date of an act legalizing marijuana for adult use, the plan for regular collection of such data thereafter, and the cost of the initial and ongoing collection of such data. The plan shall also recommend a timetable and determine the cost for analyzing and reporting the data. The work group, in consultation with the Director of Diversity, Equity, and Inclusion, shall also recommend metrics to identify disproportionate impacts of marijuana legalization, if any, to include discrimination in the Commonwealth's cannabis industry.



Marijuana Use Data Study

Enactment clause (continued):

The work group shall report its findings and recommendations to the Governor and the General Assembly by November 1, 2021. The provisions of this enactment shall become effective in due course.



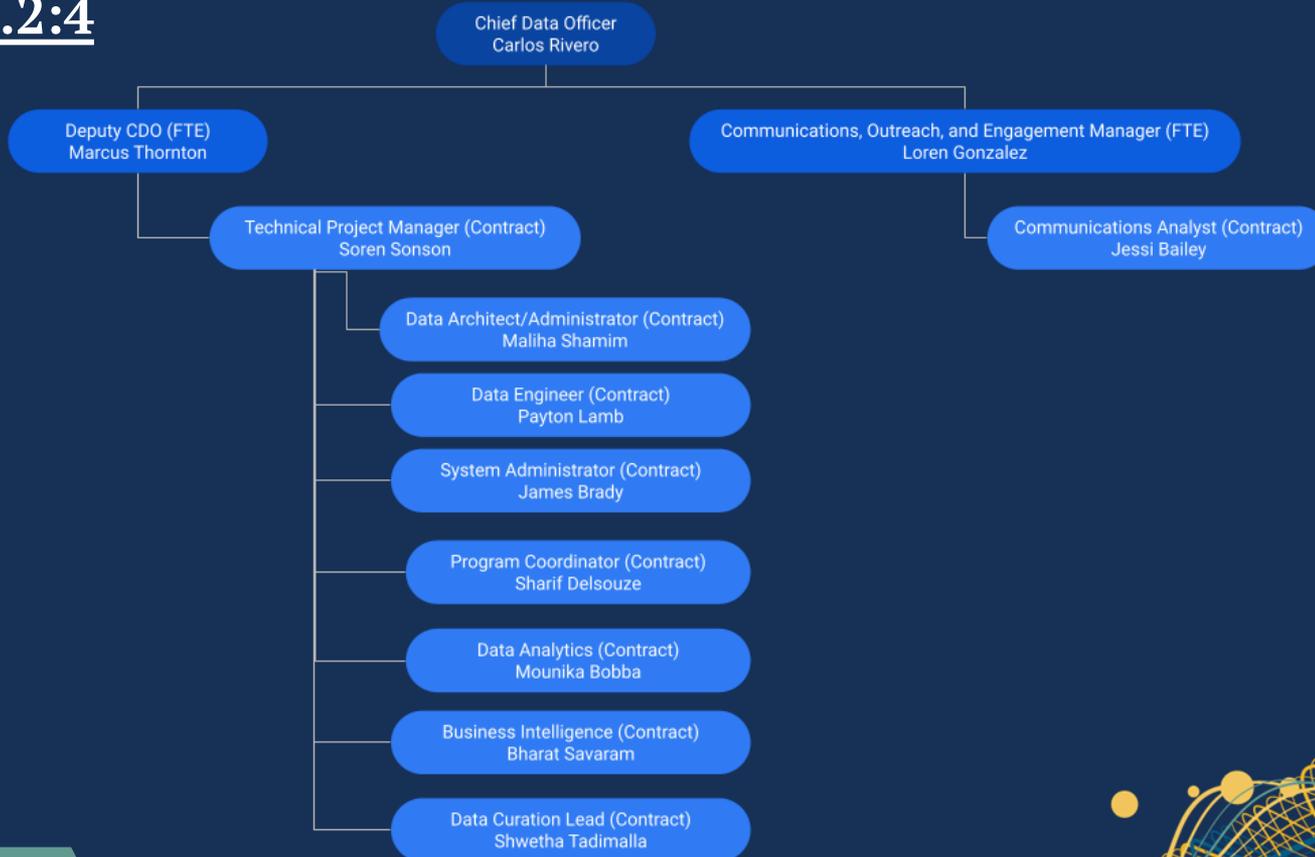
Unite Virginia

- ▶ Supporting the Secretary of Health and Human Resources to identify the appropriate level of engagement for HHR agencies
- ▶ 3 engagement modes:
 - ▶ Agency Account
 - ▶ De-identified data to support analytics
 - ▶ Identified data to support case management
- ▶ Leveraging the Commonwealth Data Trust



Office of Data Governance & Analytics

§ 2.2-203.2:4





Awards

The Team and Projects Winning Awards





FAACT

- ▶ The Framework for Addiction Analysis and Community Transformation (FAACT) won a **2019 Governor's Technology Award** for the innovative approach to improving government for the benefit of citizens.

StateScoop and Route Fifty

- ▶ 2020 StateScoop 50 Awards: Chief Data Officer, Carlos Rivero, was a finalist in the area of "State Leadership"
- ▶ September 2020: Carlos Rivero won in the Tech Innovators category for the Route Fifty Navigator Awards
- ▶ 2021 StateScoop 50 Awards: Carlos Rivero won in the "Golden Gov" category.





NASCIO

NASCIO STATE IT
RECOGNITION
AWARDS

2020 AWARD RECIPIENT
Cross-Boundary Collaboration
and Partnerships Category

THANK YOU!

Questions?

Email: carlos.rivero@governor.virginia.gov

Web: cdo.virginia.gov

Social:  [/virginia-office-of-data-governance-and-analytics](https://www.linkedin.com/company/virginia-office-of-data-governance-and-analytics)

 [@VirginiaODGA](https://twitter.com/VirginiaODGA)



Back Up Slides

Additional Details





Why Data Governance?

- ▶ To ensure data are **secure**, and accessible to qualified users.
- ▶ To improve **productivity** and efficiency.
- ▶ To increase the **value** of the Commonwealth's data assets by guiding and enabling its **evolution from information to intelligence**.
- ▶ To promote data discovery, exploration, integration, and sharing through the implementation of **enterprise standards**.



FAACT Platform + COVID-19 Data Trust

- ▶ FAACT platform expanded in a matter of days
- ▶ Guided leaders in combating COVID-19 through a state-wide lens of data
- ▶ Almost real-time data and analytics delivered to Governor Northam and his team provided intelligence into:
 - ▶ how much PPE was needed and where
 - ▶ Hospital bed capacity & ventilator use
 - ▶ Number of ICU patients
 - ▶ Which localities were experiencing community spread
 - ▶ How many tests were being performed



Give Me a Reason Program

- ▶ Give Me a Reason Program
- ▶ Encourages parents to talk to their kids about drugs
- ▶ Identify early substance use and intervene
- ▶ Provides parents with at-home testing kit that provides results in minutes and screens for 16 common drugs



Data Culture Core Values

Data first, decisions second, action always.

Data intelligence over intuition and anecdotes to guide decision-making that results in action.

Trust the data, trust each other, empower all.

With confidence in the integrity of information, there is security in connecting with each other, ultimately empowering the Commonwealth to approach customer-centered services from an enterprise perspective.



Data Culture Core Values

Share, collaborate, support.

Commonwealth challenges worth solving with data aren't limited to one agency. Share data by default, unless it cannot be shared, and with that single source of truth, seek to remove silos and collaborate in an effort to support peer agency goals. This supports the Commonwealth in serving its stakeholders.

Innovate with intelligence.

Draw inspiration from data to ask the hard questions and challenge what feels comfortable to ultimately uncover innovative solutions. Leverage data to nurture curiosity and engagement promoting a virtuous cycle of continuous improvement.

Data Governance and Technical Infrastructure



Government Agency



Law Enforcement



Medical Professional



Policy Maker



Innovative Research



Social Worker



Academia Higher Ed



Community Leader



Public Stakeholder

Commonwealth Data Trust

Restricted Data Sharing

Secure Environment for Restricted Data

Data Documentation

Open Data

Data Governance Council

Participating State Agencies and Organizations

Data Governance and Technical Infrastructure



Government Agency



Law Enforcement



Medical Professional



Policy Maker



Innovative Research



Social Worker



Academia Higher Ed



Community Leader



Public Stakeholder

Publish to Public Catalog

Commonwealth Data Trust

Restricted Data Sharing

Secure Environment for Restricted Data

Data Documentation

Open Data

Anonymized

PII Data

De-identified Data

Publish to Open Data Portal

Metadata

Open Data

Data Governance Council



Participating State Agencies and Organizations

Data Governance and Technical Infrastructure



Government Agency



Law Enforcement



Medical Professional



Policy Maker



Innovative Research



Social Worker



Academia Higher Ed



Community Leader

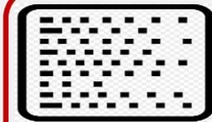


Public Stakeholder

Publish to Public Catalog

Commonwealth Data Trust

Restricted Data



Crosswalk

Anonymized



PII Matching

PII Data

Power BI
Python
Secure Data
Environment for Restricted Data

Secure Govt Cloud



Microsoft Azure

Publish to Open Data Portal

Metadata

LIBRARY OF VIRGINIA

Open Data

Open Data Portal

data.virginia.gov

Open Data

Data Governance Council

DBHDS

VEC

DMAS

DBVI

DJJ

DCJS

VCCS

VDH

DMV

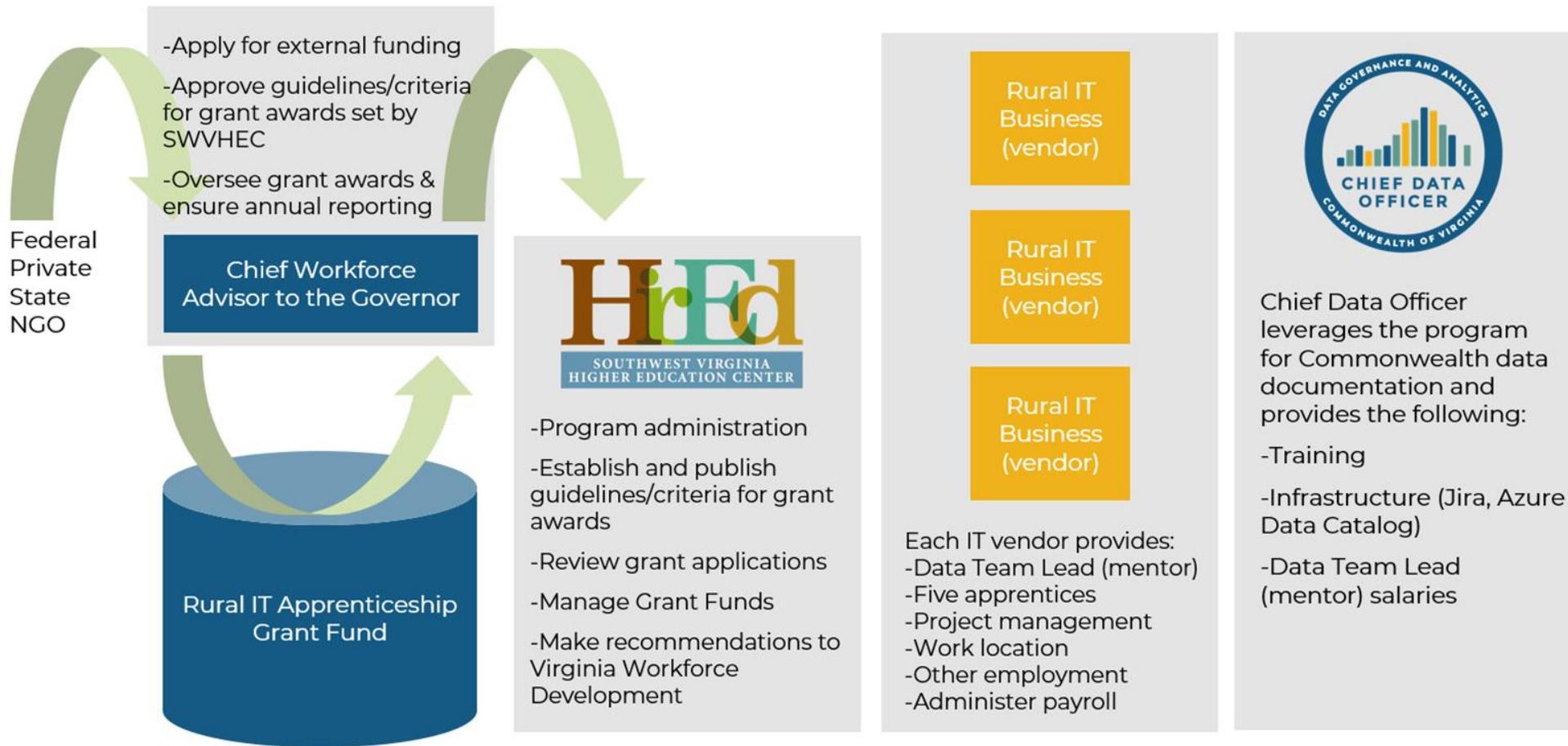
DSS

DOE

DVS

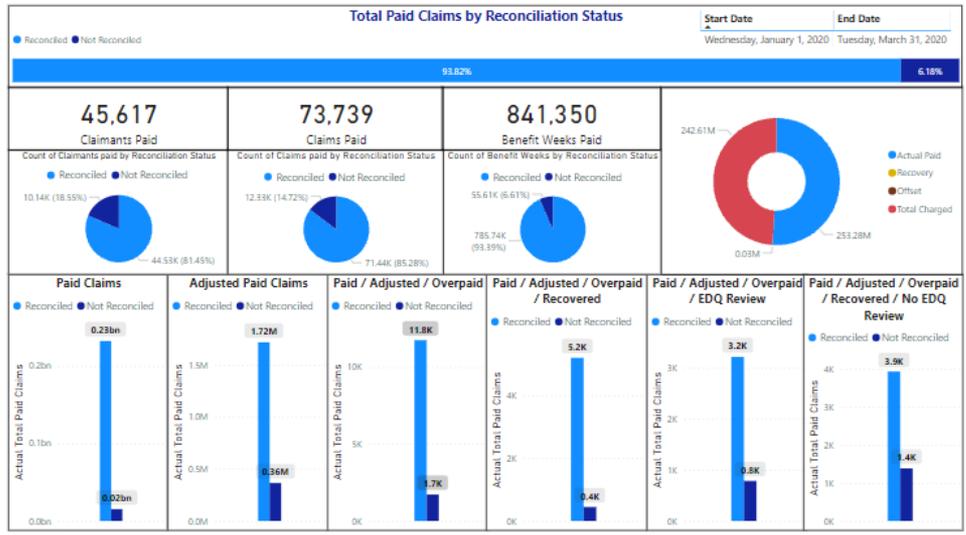
VSP

Rural IT Apprenticeship Program





Virginia Employment Commission: Unemployment Insurance Project Claimant_Payment_and_Charging_Reconciliation





Virginia Employment Commission: Unemployment Insurance Project Claimant_Payment_and_Charging_Reconciliation

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Home > VEC > Claimant_Payment_and_Charging_Reconciliation

File View Explore Refresh

Claimant ID	Total Paid	Overpayment Offset Amount	Overpayment Recovered Amount	Total Charge	Reconciliation Error
50000084	6,022.00	0.00	0.00	6,022.00	
50000201	11,613.00	0.00	0.00	11,613.00	
50000397	5,670.00	0.00	0.00	5,670.00	
50000402	1,890.00	0.00	0.00	1,890.00	
50000894	19,656.00	0.00	0.00	16,130.92 *	
50000962	11,647.00	0.00	0.00	13,305.86 *	
50001092	21,924.00	0.00	0.00	21,924.00	
50001350	13,463.00	0.00	0.00	11,664.00 *	
50001371	4,914.00	0.00	0.00	4,914.00	
50001382	10,962.00	0.00	0.00	10,962.00	
50001500	3,024.00	0.00	0.00	3,024.00	
50001517	626.00	0.00	0.00	283.00 *	
50001576	12,770.00	0.00	0.00	12,770.00	
50001578	45,059.00	0.00	0.00	44,924.00 *	
50001753	4,946.00	0.00	0.00	4,946.00	
50001887	5,632.00	0.00	0.00	5,277.93 *	
50001970	10,003.00	0.00	0.00	5,726.68 *	
50002109	10,584.00	0.00	0.00	10,584.00	
50002141	21,276.00	0.00	0.00	20,964.06 *	
Total	253,278,409.52	736.60	25,817.00	242,611,761.81 *	

Payment and Charging Summary | Payment and Charging Reconciliation



Virginia Employment Commission: Unemployment Insurance Project

Daily_Reconciliation_Report



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Daily Reconciliation Report

Count of Checks

Description	Journal	Recap Reports	ACH Email	ACH File
UI Check Count	69,203		0	0
Trade Check Count	247		0	0
UI Child Support Check Count		0		
TRADE Child Support Check Count		0		

Wednesday, January 1, 2020
Start Date

Thursday, January 30, 2020
End Date

Count of Weeks

Description	Journal
UI Week Count	78,117
Trade Week Count	501

Count of Records

Description	ACH Email	ACH File
UI Refund Records	0	0
TRA Refund Records	0	0

Description	Journal Amount	Recap Report Amount	DVR Amount	ACH Email Amount	ACH File Amount	Check Issue File Amount	Check Print File Amount	Positive Pay File Amount
UI	22,343,701.39	22,343,701.39	0.00	0.00	0.00			
Trade	171,325.03	171,174.00	0.00	0.00	0.00			
Suspense/Refund			0.00					
Special Checks	6,987.70	6,987.70	0.00			0.00	0.00	0.00
Total Amt of Credits	22,515,026.42	22,514,675.39	0.00	0.00	0.00			
Redeposits			0.00					
Benefit Payment Offsets			0.00					
UI Fed Tax Withholding	1,393,712.94	1,393,712.94	0.00					
TRA Fed Tax Withholding	0.00	0.00	0.00					
Total Fed Withholding	1,393,712.94	1,393,712.94	0.00					
UI Child Support	0.00	0.00	0.00		0.00			
TRADE Child Support	0.00	0.00	0.00		0.00			
Total Child Support	0.00	0.00	0.00		0.00			
IRORA Received			0.00					
Recoupment ROC			0.00					
Batch Totals	282,229.57		0.00					

Daily Reconciliation Report



Virginia Employment Commission: Unemployment Insurance Project Initial_Claims

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Initial Claim Status

Claims Filed by Year

Year	Claims Filed
2019	~0.1M
2020	1.5M
2021	~0.6M

Program Summary

PRGM_CD	Count
ATRA	~0.1K
CTRA	~0.1K
DUA	~0.1K
EB	~0.1K
PEUC	313K
PUA	34K
RTAA	~0.1K
TAA	~0.1K
TRA	~0.1K
UI	~0.1K

Claims Filed by Month

Month	Claims Filed	Percentage
January	118.15K	(3.36%)
February	164.45K	(7.47%)
March	396.44K	(18%)
April	495.2K	(22.48%)
May	208.47K	(9.47%)
June	150.85K	(6.85%)
July	197.23K	(8.95%)
August	85.02K	(3.86%)
September	93.21K	(4.23%)
October	97.81K	(4.44%)
November	86.31K	(3.92%)
December	~0.1M	~0.4%

Count by Day and PRGM_CD

Program : ATRA CTRA DUA EB PEUC PEUC2 PUA RTAA TAA TRA UI

Date of Month	Count
1	~70K
2	~70K
3	~65K
4	~65K
5	~45K
6	~75K
7	~70K
8	~75K
9	~100K
10	~60K
11	~60K
12	~45K
13	~65K
14	~55K
15	~70K
16	~80K
17	~60K
18	~55K
19	~100K
20	~100K
21	~70K
22	~75K
23	~90K
24	~70K
25	~55K
26	~70K
27	~70K
28	~55K
29	~70K
30	~100K
31	~45K



Virginia Employment Commission: Unemployment Insurance Project Initial_Claims - page 2

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Home > VEC > Initial_Claims

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Initial Claim Status

Year	Count
2019	120816
2020	1493473
2021	588249
Total	2202538

PRGM_CD	Count
ATRA	10
CTRA	
DUA	
EB	3357
PEUC	31311
PEUC2	2
PUA	6
Total	2202538

Month	Number of Claim Filed:
☐ January	118152
☐ February	164450
☐ March	396442
☐ April	495200
☐ May	208473
☐ June	150854
☐ July	197234
☐ August	85021
☐ September	93205
☐ October	97814
☐ November	86308
☐ December	109385
Total	2202538

Day	Count
1	73630
2	71354
3	61271
4	63293
5	42895
6	77193
7	70055
8	79201
9	119056
10	60601
11	59389
12	45978
13	65520
14	56237
15	71210
16	80015
17	61976
18	54912
19	99112
Total	2202538

Filing Method	Count
	16
Internet	1678316
Paper	454967
Telephone	69239
Total	2202538

STT_CD	Count
VA	2202538
Total	2202538



Virginia Employment Commission: Unemployment Insurance Project Quarterly_Charges_Reconciliation - All Quarterly Charges

ODGA Power BI Report Server

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Count of Charges based on Charge Type

Charge Type: ● Current Quarter Charges ● Adjusted Quarter Charges

40324 Count of distinct Claimants 11939 Count of distinct Employers

Charge Type	Percentage
Current Quarter Charges	71.51%
Adjusted Quarter Charges	28.49%

START_DATE	END_DATE
October 1, 2019	December 31, 2019

52,063

Count of All Charges

Charge Type	Count
Current Quarter Charges	37228
Adjusted Quarter Charges	14835

Charge Type by ECLS Code

ECLS Code	Adjusted Quarter Charges	Current Quarter Charges
REG	4890	28761
OVP	7366	1839
RMB	2549	0
CWC	1607	0
CWT	0	0
LIFE	0	0
LCK	0	0
POL	0	0
DTH	0	0
TRA	0	0
NCE	0	0
NLT	0	0
CWV	0	0

Navigation: All Quarterly Charges | Charge Details



Virginia Employment Commission: Unemployment Insurance Project Quarterly_Charges_Reconciliation - Charge Details

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Home > VEC > Quarterly_Charges_Reconciliation

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Employer Account Number	ECLS Code	Claimant Party ID	Charge Type	CP	CA	OE	ORR	Total Charge Amount
99965	OVP	52037144	Adjusted Quarter Charges	0.00000	0.00000	9450.00000	0.00000	9450.00000
99965	OVP	51082764	Adjusted Quarter Charges	0.00000	0.00000	6419.00000	0.00000	6419.00000
99965	OVP	50556652	Adjusted Quarter Charges	0.00000	0.00000	6303.90000	0.00000	6303.90000
99965	OVP	50394416	Adjusted Quarter Charges	0.00000	0.00000	5776.00000	0.00000	5776.00000
99965	OVP	52067656	Adjusted Quarter Charges	0.00000	0.00000	5292.00000	0.00000	5292.00000
99965	OVP	52023015	Adjusted Quarter Charges	0.00000	0.00000	5372.00000	-91.00000	5281.00000
99965	OVP	52054232	Adjusted Quarter Charges	0.00000	0.00000	5292.00000	-378.00000	4914.00000
99965	OVP	52081932	Adjusted Quarter Charges	0.00000	0.00000	4914.00000	0.00000	4914.00000
99965	OVP	52076104	Adjusted Quarter Charges	0.00000	0.00000	4823.00000	0.00000	4823.00000
99965	OVP	50485138	Adjusted Quarter Charges	0.00000	0.00000	4758.00000	0.00000	4758.00000
99965	OVP	50775699	Adjusted Quarter Charges	0.00000	0.00000	4536.00000	0.00000	4536.00000
99965	OVP	50903540	Adjusted Quarter Charges	0.00000	0.00000	4536.00000	0.00000	4536.00000
99965	OVP	51664449	Adjusted Quarter Charges	0.00000	0.00000	4536.00000	0.00000	4536.00000
99965	OVP	50851673	Adjusted Quarter Charges	0.00000	0.00000	4400.00000	0.00000	4400.00000
99965	OVP	50575469	Adjusted Quarter Charges	0.00000	0.00000	4158.00000	0.00000	4158.00000
99965	OVP	52082313	Adjusted Quarter Charges	0.00000	0.00000	3915.00000	0.00000	3915.00000
99965	OVP	50506446	Adjusted Quarter Charges	0.00000	0.00000	3780.00000	0.00000	3780.00000
99965	OVP	50553543	Adjusted Quarter Charges	0.00000	0.00000	3780.00000	0.00000	3780.00000
99965	OVP	50594916	Adjusted Quarter Charges	0.00000	0.00000	3780.00000	0.00000	3780.00000
99965	OVP	51512737	Adjusted Quarter Charges	0.00000	0.00000	3780.00000	0.00000	3780.00000
99965	OVP	51987019	Adjusted Quarter Charges	0.00000	0.00000	3780.00000	0.00000	3780.00000
99965	OVP	52087005	Adjusted Quarter Charges	0.00000	0.00000	3780.00000	0.00000	3780.00000
99965	OVP	52087390	Adjusted Quarter Charges	0.00000	0.00000	3780.00000	0.00000	3780.00000
99965	OVP	52087966	Adjusted Quarter Charges	0.00000	0.00000	3780.00000	0.00000	3780.00000
99965	OVP	50426775	Adjusted Quarter Charges	0.00000	0.00000	3775.00000	0.00000	3775.00000
99965	OVP	50404633	Adjusted Quarter Charges	0.00000	0.00000	3773.00000	0.00000	3773.00000
Total				1727087.19000	-899679.19000	912858.48000	-1126710.62000	613555.86000

All Quarterly Charges **Charge Details**



Virginia Employment Commission: Unemployment Insurance Project

Quarterly_Charges_Reconciliation_for_ETA191 - Charge reconciliation between benefits

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Reconciliation Status based on count of Benefits Charges

Reconciliation Status: ● Reconciled ● Not Reconciled

Start Date	End Date
January 1, 2019	March 31, 2019

13,351
Count of Charges

Benefits Charges	Tax Charges
13,465	12,454

Comparison between Total Benefits Charges and Employer Transactions in Tax

Category	Value
Total Charge in Benefits	69M
Employer Transactions in Tax	70M

Total Charges in Benefits by Reconciliation Status

Reconciliation Status	Value	Percentage
Not Reconciled	57.16M	83.2%
Reconciled	11.54M	16.8%

Total Employer Transactions in Tax by Reconciliation Status

Reconciliation Status	Value	Percentage
Not Reconciled	58.87M	84.1%
Reconciled	11.54M	16.5%

Charge Reconciliation between Benefits a... Charge Reconciliation for ETA-191 Charge Details



Virginia Employment Commission: Unemployment Insurance Project

Quarterly_Charges_Reconciliation_for_ETA191 - Charge reconciliation for ETA-191

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Count of Charges for Military (UCX) and Federal (UFE) Employers

ETA-191 Reconciliation Status: ● Reconciled ● Not Reconciled

ECLS Code	Reconciled	Not Reconciled
UFE	17	27
UCX	5	0

State Date	End Date
January 1, 2019	March 31, 2019

49
Count of Charges

ECLS Code	Count of Charges
UCX	5
UFE	44

"Total UCX and UFE Charges" vs "UCX and UFE Charges reported in ETA191"

Category	Amount
Total UCX and UFE Charges	1.67M
UCX and UFE Charges reported in ETA191	1.69M

Charge Amount for UCX (Military) and UFE (Federal) Employers

Employer Type	Amount	Percentage
UCX	732.9K	43.34%
UFE	958.05K	56.66%

Charge Reconciliation between Benefits an... **Charge Reconciliation for ETA-191** Charge Details



Virginia Employment Commission: Unemployment Insurance Project Quarterly_Charges_Reconciliation_for_ETA191 - Charge Details

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File View Explore Refresh

Employer Account Number	ECLS Code	CP	CA	OE	ORR	Total Charge Amount	Employer Transaction Amount in Tax	Reconciliation between Tax and Benefits	Charges for UCK reported
318450	RMB	129.67	0.00	0.00	0.00	129.67	129.67	PASS	
972193	RMB	4914.00	0.00	0.00	0.00	4914.00	4914.00	PASS	
1082620	RMB	155.25	0.00	0.00	0.00	155.25	155.25	PASS	
1156594	RMB	576.44	0.00	0.00	0.00	576.44	576.44	PASS	
1158198	RMB	32.31	0.00	0.00	0.00	32.31	32.31	PASS	
1159046	RMB	5,670.00	0.00	0.00	0.00	5,670.00	5,670.00	PASS	
1165239	RMB	0.00	0.00	0.00	-30.00	-30.00	-30.00	PASS	
1224018	RMB	3,016.00	0.00	0.00	0.00	3,016.00	3,016.00	PASS	
1724282	RMB	4,914.00	0.00	0.00	-153.00	4,761.00	4,761.00	PASS	
1889044	RMB	1,447.63	0.00	0.00	0.00	1,447.63	1,447.63	PASS	
1889206	RMB	3.60	0.00	0.00	0.00	3.60	3.60	PASS	
1889516	RMB	289.77	0.00	0.00	0.00	289.77	289.77	PASS	
1889729	RMB	686.76	0.00	0.00	0.00	686.76	686.76	PASS	
1889770	RMB	69.63	0.00	0.00	0.00	69.63	69.63	PASS	
1889796	RMB	2,505.93	0.00	0.00	0.00	2,505.93	2,505.93	PASS	
1889826	RMB	177.86	0.00	0.00	0.00	177.86	177.86	PASS	
1889966	RMB	370.90	0.00	0.00	0.00	370.90	370.90	PASS	
1890018	RMB	121.45	0.00	0.00	0.00	121.45	121.45	PASS	
1890212	RMB	3,402.00	0.00	0.00	0.00	3,402.00	3,402.00	PASS	
1890352	RMB	408.86	0.00	0.00	0.00	408.86	408.86	PASS	
1890409	RMB	42.45	0.00	0.00	0.00	42.45	42.45	PASS	
1890476	RMB	9.01	0.00	0.00	0.00	9.01	9.01	PASS	
1890530	RMB	1,098.96	0.00	0.00	0.00	1,098.96	1,098.96	PASS	
1890590	RMB	998.88	0.00	0.00	0.00	998.88	998.88	PASS	
1890610	RMB	1,901.03	0.00	0.00	0.00	1,901.03	1,901.03	PASS	
Total							11,542,831.60		

Charge Reconciliation between Benefits an... Charge Reconciliation for ETA-191 Charge Details



Virginia Employment Commission: Unemployment Insurance Project

Quarterly_Charges_Reconciliation_for_IB6

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Home > VEC > Quarterly_Charges_Reconciliation_for_IB6

File View Explore Refresh

Count of Charges based on Charge Type

Reconciliation Status: Reconciled (Blue), Not Reconciled (Dark Blue)

Charge Type	Reconciled	Not Reconciled
Current Quarter Charges	40	7
Adjusted Quarter Charges	38	4

START_DATE: October 1, 2019 | END_DATE: December 31, 2019

89
Count of All Charges

Charge Type	Count
Adjusted Quarter Charges	42
Current Quarter Charges	47

Total Charges and IB6 Charges by Charge Type

Total Charges (Purple), IB6 Charges (Green)

Charge Type	Total Charges	IB6 Charges
Current Quarter Charges	1.16M	1.16M
Adjusted Quarter Charges	1.16M	1.16M

Geographic Distribution (Treemap)

State	Count
DC	172.16K
NC	171.41K
MD	136.42K
FL	133.00K
TX	31.39K
OH	24.08K
CA	24.13K
LA	26.59K
WV	57.15K
GA	51.51K
AL	29.64K
PA	34.15K
SC	66.47K
TX	33.67K
NY	33.67K
WI	11.34K
MS	10.4K
CT	10.4K
IN	6K
ME	6K
CO	6K
AK	6K
DE	6K
VA	6K

All Quarterly Charges | Charge Details