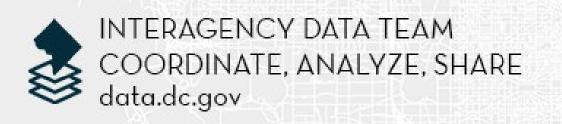
cocto

Interagency Data Team

April 23, 2020

https://octo.dc.gov/node/1310836





Welcome, Agenda Data team news

Michael Bentivegna Program Manager for Data Visualization & Analysis Office of the Chief Technology Officer



Agenda











Welcome, News & Updates

Michael Bentivegna, Program Manager for Data Visualization & Analysis Office of the Chief Technology Officer

COVID-19 Data Coordination Team

Barney Krucoff, Chief Data Officer Office of the Chief Technology Officer

Mission Support & Modified Operations Dashboard

Shamiah Kerney, Deputy Performance Director Office of Budget and Performance Management

OCTO Operations Dashboard

Michael Bentivegna, Program Manager for Data Visualization & Analysis Office of the Chief Technology Officer

Data Report & COVID-19 Priority Datasets

Mario Field, Data Curation & Governance Program Manager Office of the Chief Technology Officer

DC



Business Intelligence - Tableau Updates



Tableau Internal Production @ version 2019.2.4

Next update: 2020.1.2 est. late May



Tableau Public **Production** @ version 2019.4.2

8 Agency websites in production with ~75 embedded Tableau Reports/Dashb oards



Tableau Test/Dev version 2019.2.4

MicroStrategy as a web connector

SharePoint list testing

MIT kerberos ticket authentication for Hadoop

Extending Salesforce timeout session



Tableau Site Administrator quarterly meeting

Next meeting: est. end May, 2020



Business Intelligence - MicroStrategy Updates



MicroStrategy
Production @
version 2019
Update 3

Version 2020.1 est. upgrade in May.



Lower
MicroStrategy
Environments
2019 Update 3

Enterprise/Self Service

Deploying physical IS server for development



MicroStrategy
Public/SharePoint

DGS SharePoint live

COVID19 public dashboard live

https://coronavirus.dc.gov/pag e/coronavirus-data

DBH SharePoint in progress



MicroStrategy
Stake Holders
Meeting

Next meeting will be schedule in est. late Spring/early Summer 2020



Geographic Information Systems - DC GIS

Production @ version 10.6.1

ESRI Desktop License Manager to 10.8 ArcGIS Portal @ version 10.7.1

AGOL Users: Coronavirus

Data Hub Site

Portal Users: <u>Public</u>
<u>Safety Coronavirus</u>
<u>Open Data Site</u>

Coming soon: New COVID service website: https://em.dcgis.dc.gov/dcgis/rest

Streaming services

ESRI GeoEvent Internal 10.6.1 External 10.7.1

Apache Kafka DSP Streaming data

Data

New 2019 imagery and planimetrics are posted on opendata.

InfoUSA business data been helpful with COVID response.
https://octo.in.dc.g
ov/node/40081



Big Data and Data Integration Updates



Current and Upcoming Big Data Projects:

- DCPS Attendance Data
- DDOT Dockless Trips Data
- DGS Electricity Data



Data in DC (formerly Data Lake Search) - https://data.in.dc.gov

- Enabled Single Sign-On and Two Factor Authentication for tools
- Help Docs connecting to the DC Data Lake and FAQs about the Data Lake
- Improved Search Layout

GIS / Data Science User Meeting

•GIS – May 21th (Via WebEx)

contact Eva.Reid@dc.gov

Topics: TBD

•Data Science @ DC Membership Survey Sent out! Location: Your Email Box Tomash.Bukowieckil@dc.gov





Virtual Tableau Training

Introductory class

May 7 and 8 pilot (full)

Intermediate class

April 30 and May 1 pilot (full)

New dates coming soon...

Vendor: Tableau <u>eLearning</u> free for the next 90 days



https://octo.in.dc.gov/service/tableau-training-courses



MicroStrategy Training

Introductory training

Virtual training class will be made available when possible

Architect/Developer training

- Next training in early summer
- By invitation only

Vendor: All virtual instructor-led and online education courses and certifications will remain free through May 15. <u>MicroStrategy Education Center</u>



https://octo.in.dc.gov/service/microstrategy-introductory-training



GIS Training

DCHR has cancelled all in person classes.

Some direct virtual training will be available to staff on a limited basis.

Some online courses available via ESRI Training Portal to employees with ArcGIS Online access. For recommendations, please contact Eva.Reid@dc.gov

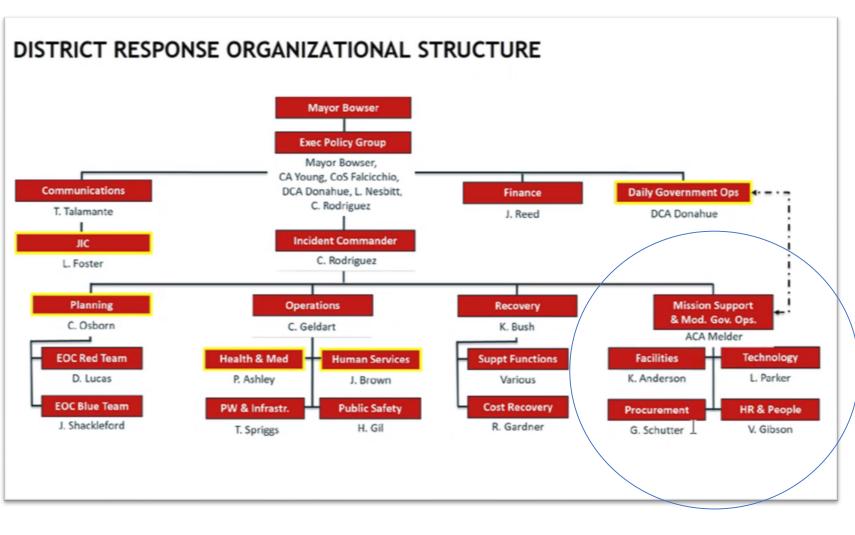
Mission Support and Modified Operations Dashboard

Shamiah Kerney

Deputy Performance Director
Office of Budget and Performance Management
Office of the City Administrator



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Mission Support & Modified Government Operations Branch

Organizes supporting material and personnel. The branch coordinates purchases, equipment, IT Support and supplying facilities to execute response and recovery.

Supports the District's goals of creating and maintaining a highly efficient, transparent, and responsive government during COVID-19 pandemic crisis.





Service Usage

Online applications for benefits (SNAP, TANF & medical) with number of calls and wait times to DHS.



Facilities

Gov facilities & contract status with number of facilities recorded QA/QC inspections after enhanced cleaning.



People

Employees teleworking, quarantined due to exposure, tested positive & overtime for COVID and non-COVID work.



Call Center Operations

EMS transports and 311 service requests, including 311 service requests related to COVID-19.



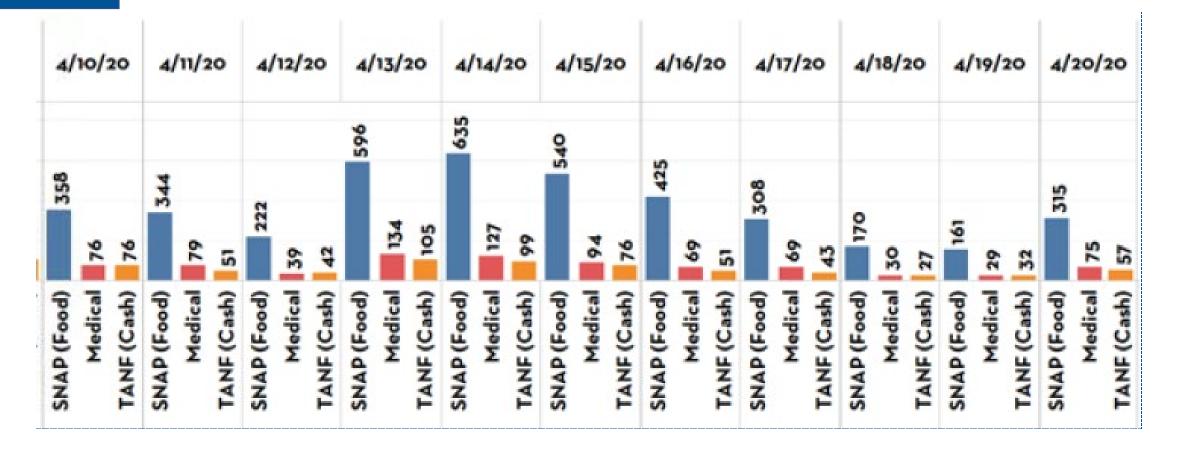
Technology

Computers powered on with McAfee, user logins to DC's virtual private network (daily) and top technology issues.

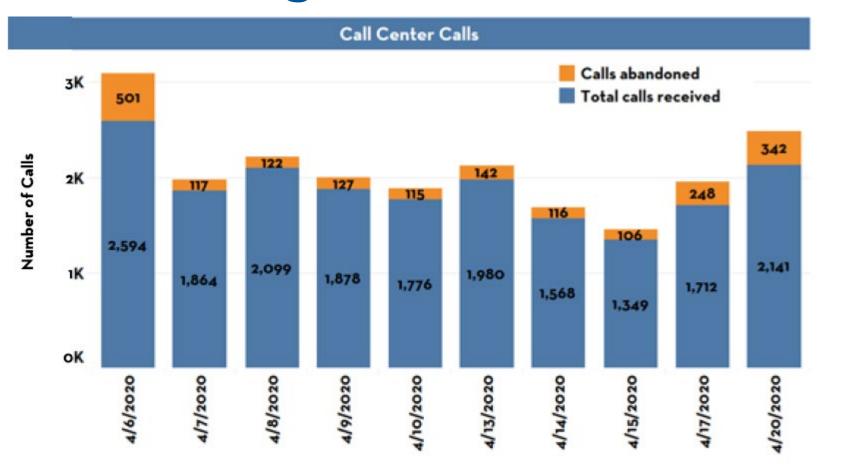


Energy Usage

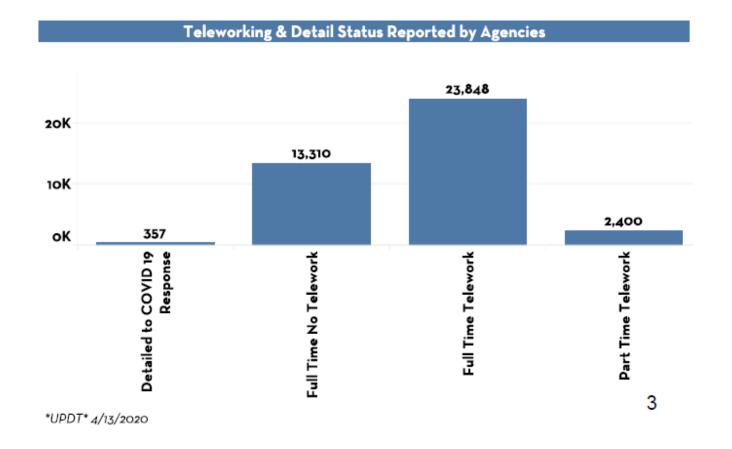
Energy usage of closed Department of Parks and Recreations locations and DC Public Schools.



Applications to DHS. Majority are SNAP. Applications online began April 1. An application can be used to apply for more than one benefit.



On April 20 there was a 25% increase in number of calls compared to April 17. Abandon rate 16% down as of yesterday, from 19.3% on April 17.



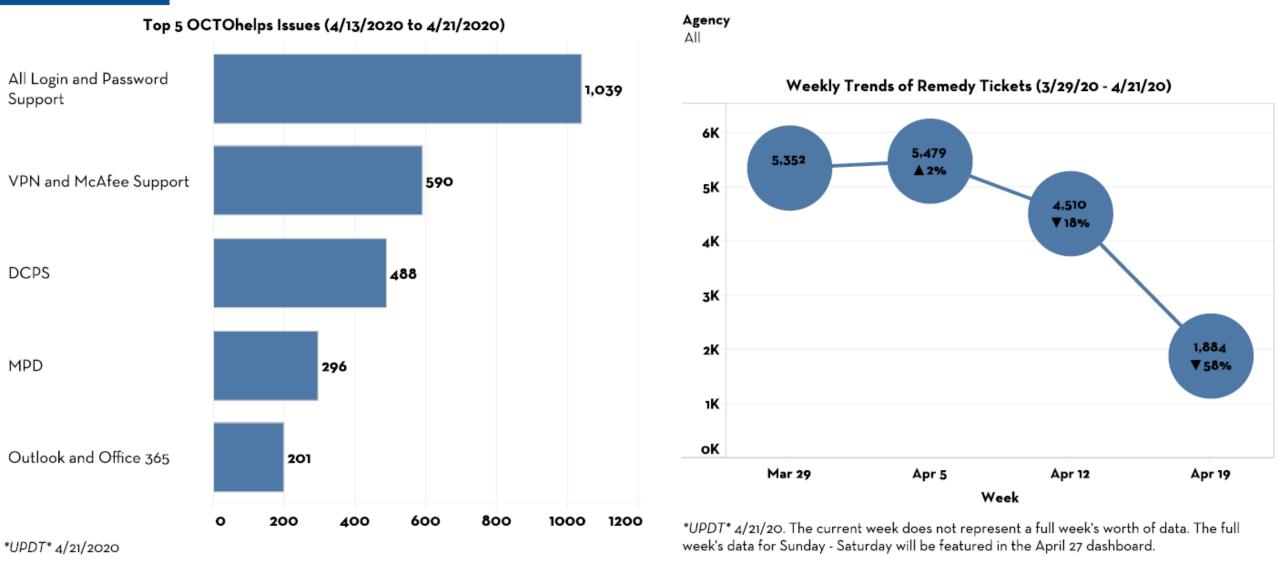
60% of employees are teleworking. All agencies except DOC reported status since March 16.

Technology - Issues and Tickets

**EAR* GOVERNMENT OF THE

DISTRICT OF COLUMBIA

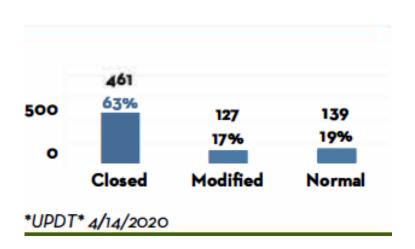
MUDIFI BOWSER MAYOR



During previous week, OCTOhelps remedy tickets received decreased by 18% from April 27, 202 prior week. This week, total number is at 42% of prior (as of 4/21/2020)

Today: 18 | 1-3 Days Ago: 19 | 4-7 Days Ago: 8 | More Than 1 Week Ago: 24 | Never: 27

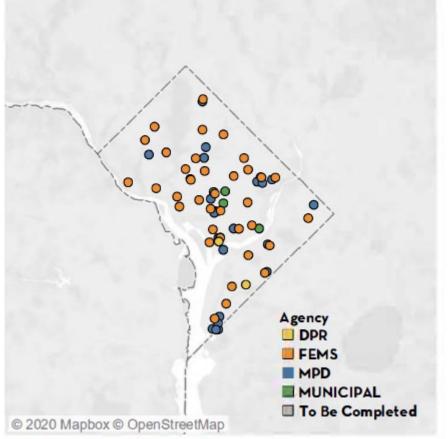
(4/21/2020 at 4:09:09 PM) The ticker above provides the number of locations with a recorded QA/QC (quality control inspection) for enhanced cleanings within a given timeframe.



Normal: operating exactly the same as normally.

Closed: completely closed
Modified: operating under
different conditions than
normal. Example, hours

Buildings with Scheduled Enhanced Cleanings

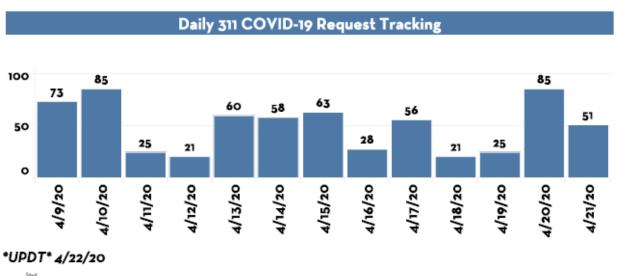


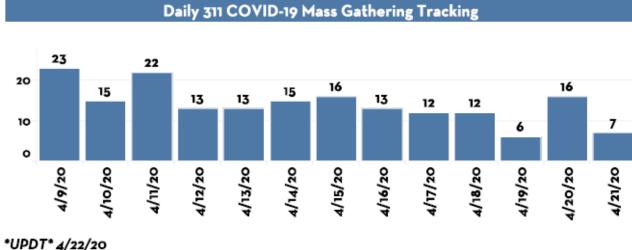
UPDT 4/21/2020 4:09:09 PM

As of 4/21/2020 at 4:00 PM a total of 27 buildings have not had a QA/QC recorded inspection. 18 buildings have a recorded cleaning conducted.

cocto

Call Center – 311 Service Requests Mayor





The number of 311 requests specific to COVID-19 decreased by 40% from April 20 to April 21. Monday April 20 had the highest requests since April 10 with 85 requests

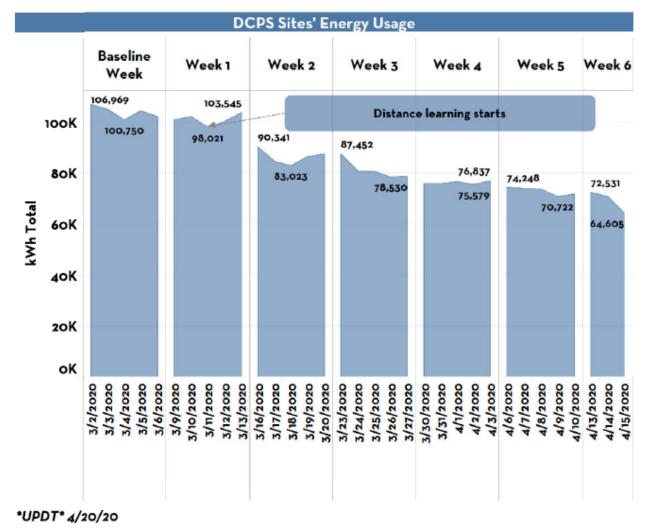
The number of 311 requests specific to COVID-19 mass gatherings decreased by 56% from April 20 to April 21.

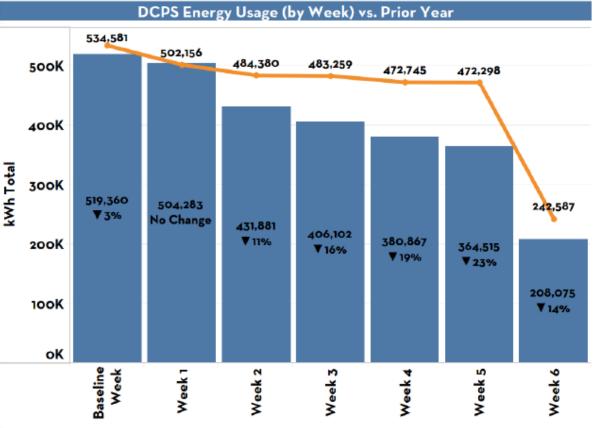


Energy Usage – DC Public Schools Columbia BOWSER, MAYOR

Non-meal Schools Energy Usage

This data represents 59 closed schools that are confirmed non-meal sites. In the lastest week of full data, there is a 30% drop in energy usage from the baseline week (3/2-3/6) and a 23% drop from the same week last year (2019).





UPDT 4/20/20. 2019 includes energy usage data for 61 schools. The full week of data for week 6 is not available.

2019







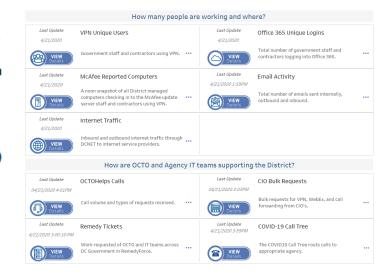
Mission Operations **Dashboard (Demo)**



Please enter your credentials as Domain\ User Name
Example: [OJS\Samuel.Smith Password: Network Password]

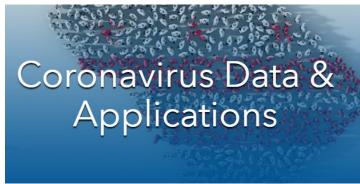
Requires account for access shamiah.kerney@dc.gov

OCTO Operations Dashboard & Data



Requires connection to DC Government Intranet (VPN)

ArcGIS Coronavirusdata Hub



Requires account access to DC
ArcGIS Online
matthew.Crossett@dc.gov

COVID Data Coordination — So Far

April 23, 2020

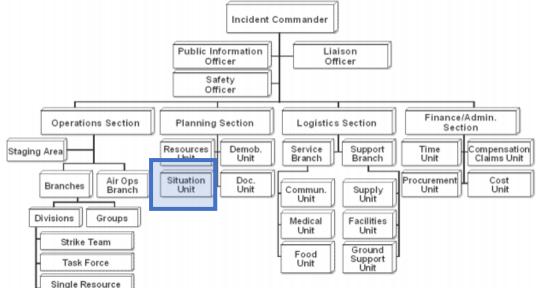
Barney Krucoff Chief Data Officer | District of Columbia Office of the Chief Technology Officer (OCTO) Barney.Krucoff@dc.gov | Cell: 202-412-9408

Normal Activation vs. COVID-19

DC tends to have planned events and storms. Large events, like Inaugurals, have a lot of data coordination before hand. Storms are more extemporaneous data creation and sharing, but don't last long.

Incident Command System





COVID event is different:

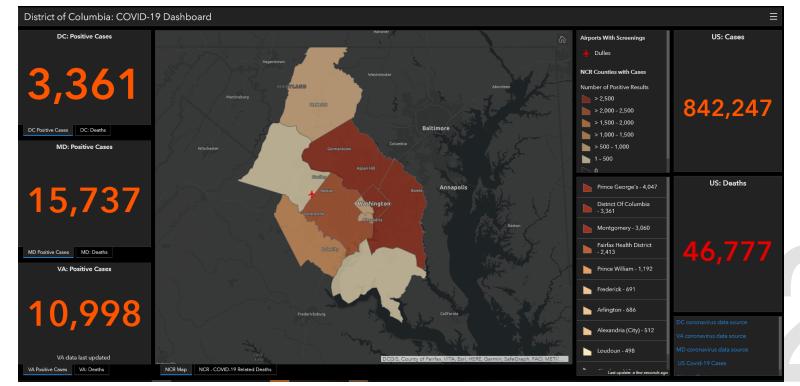
- Bigger (people, agencies)
- Data is more diverse, extemporaneous and less spatial
- Response team is less concentrated in the EOC
- IT is a big part of the response (telework, call centers, remote learning, remote meetings, VPN, laptops...)

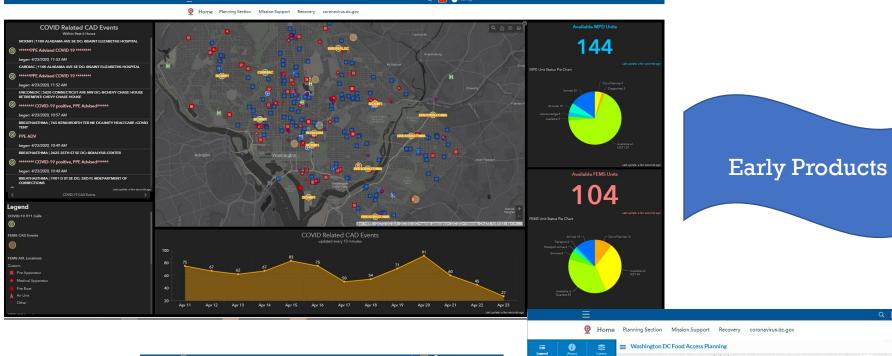
MURIEL BOWSER, MAYOR

We started on this event much like a big storm

- Created Microsoft Teams Channel within OCTO Data Team plus EOC GIS.
- Kept track of datasets, maps and dashboards with Wiki in Teams.
- Lots of geospatial products







Legend

DCPS Meal Sites

Yes

Not at This Time

PCS Meal Sites

Yes

Not at This Time

PCS Meal Sites

Ves

Not at This Time

CAFB Low Income Low Access Food

Low Income and Low

Access - 1 mile

Low Income and Low

Access - 1/2 mile

N/A

ACFB Food Dessert

Relationship

Food Dessert at 1 mile and
High Fi Pop (palow 800)

Food Dessert at 1 mile and
Low Fi Poof

Food Dessert at 5 mile and
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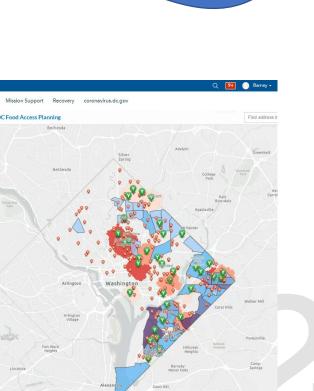
Food Dessert

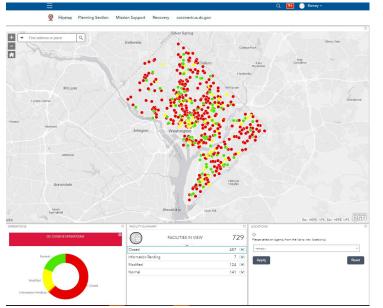
15 Minute Walk from Meal Site (with crime total)

Number of Violent Crimes since 1/1/2020

>= 29
>= 19 - 28

8-19

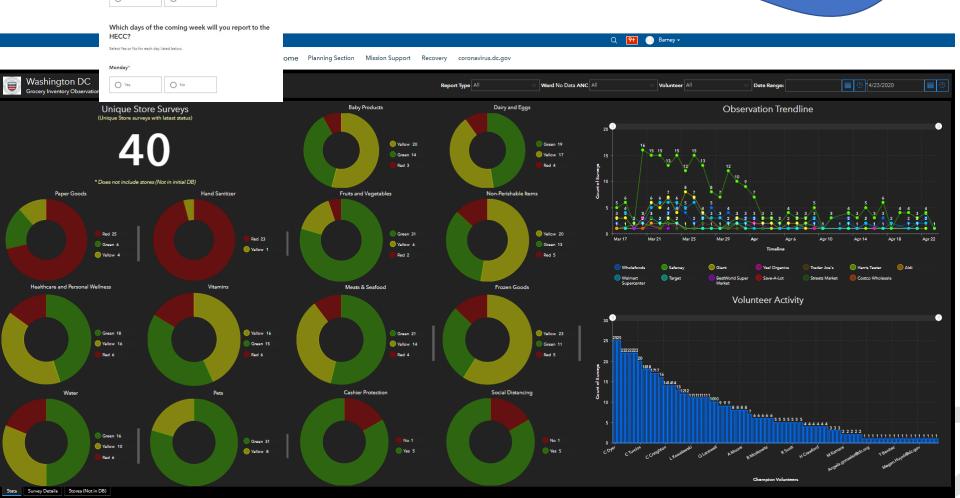


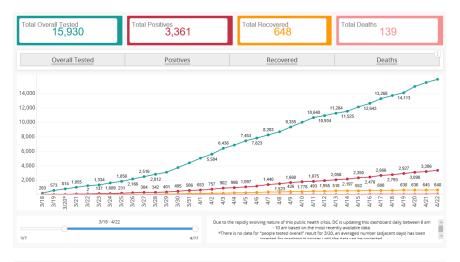


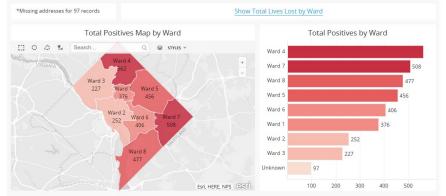
DC Government

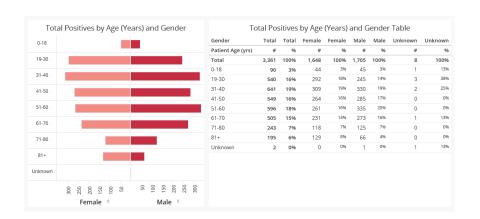
WE'ARE GOVERNMENT OF THE DISTRICT OF COLUMBIA DC MURIEL BOWSER, MAYOR















https://coronavirus.dc.gov/page/coronavirus-data

We started on this event

much like a big storm







13

Option 2, Parent

Ontion 3 Provider



4/16 4/15 4/14 4/13

DC

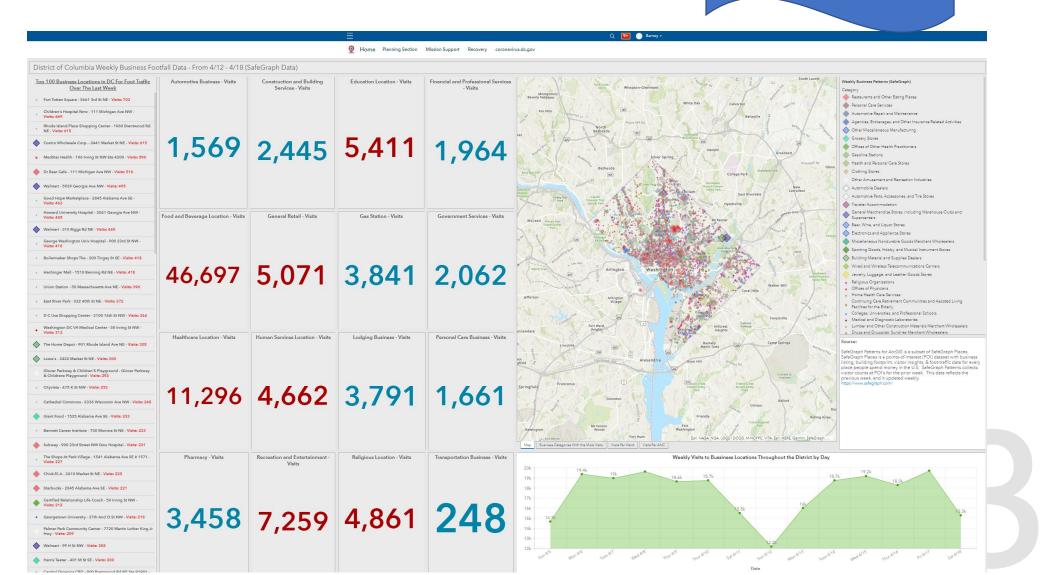
Safegraph business location data



Products

** GOVERNMENT OF THE

DISTRICT OF COLUMBIA MURIEL BOWSER, MAYOR



On to data coordination

Goals

- Reduce redundant work
- Minimize reporting burden on data providers
- Improve accuracy where possible provide a single source of truth
- Improve analysis time to market

---- a bit later ----

- Unify presentation standards
- Rationalize who reports on what

Methods

- Share data
- Maintain communications among planners/analysts
 - Regular meetings
 - **Teams Site**
- Establish a minimum set of shared processes
- Share simple data catalog among analysts
- Maintain Hub Site for everyone else



Who participating so far

- HECC Planning Section and other branches through the planning section.
- Office of City Administrator
- Recovery Branch
- **DMPED**

DC

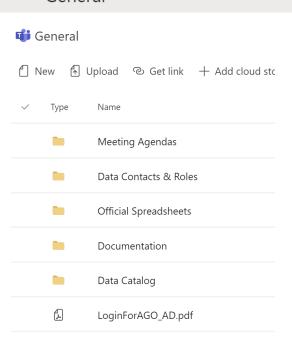
MS Team



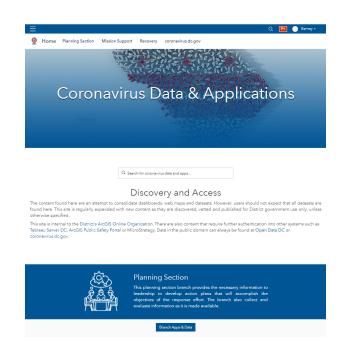
COVID Data Coordinatio...

• • •

General



Hub Site



https://coronavirus-data-dcgis.hub.arcgis.com/

COVID Emergency Data Life Cycle

Phase I

Phase 2

Phase 3

Phase 4



Find

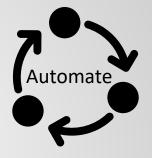
Start tracking

Identify data need

- Existing system
- Existing report
- Create
 - Spreadsheet
 - Survey
- Sustainment Plan



- Initial Publication
- Share in MS Teams
 - Spreadsheet
 - Link
- Initial Reporting



- Database (OCTO Oracle)
- Feature Service (AGOL or Portal)
- Sustained Reporting

Track in Data Catalog xlsx

Publish on Hub Site Listing

Classify Data Per Data Policy

- Level 0 Open to the public (JIC Approved)
- Level 2 For District
 Government Use
 (Share with everyone internal)
- Level 3 Confidential (Share only with particular people or groups)

Level	Systems Appropriate For Sharing
All Levels	Get Cataloged
Level 0	Files: Teams/SharePoint Database: Oracle (Level 2 account) Services/APIs: AGOL
Level 2	Files: Teams/SharePoint Database: Oracle (Level 2 account) Services/APIs: AGOL (within COVID group)
Level 3 (keep to minimum)	Files: Box Database: Oracle (custom accounts) Services/APIs: Esri Portal (within custom groups)

File Naming Convention

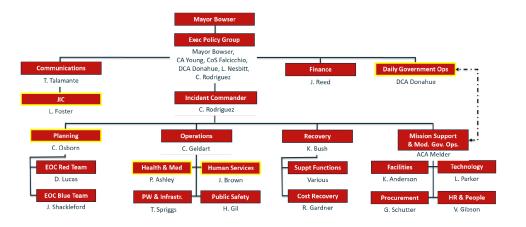
"AgencyAcronymOrBranch"++"-"++"DatasetName"++"Level#"

Example: <u>OCTO-ImportantData-Level2</u>

(Don't use date in filename of a master spreadsheet)

(For archived spreadsheets append date to filename "-20200410")

DISTRICT RESPONSE ORGANIZATIONAL STRUCTURE



OCTO Operations Dashboard

Michael Bentivegna
Program Manager for Data Visualization & Analysis
Office of the Chief Technology Officer



* * *

District Government and OCTO Operations

::octo

Last Update: 4/27/2020

This dashboard uses data managed by OCTO to show overall trends in how DC Government is operating. OCA uses some of these data for their Overall DC Government Opperations dashboard.

How many people are working and where?

Last Update Last Update VPN Unique Users Office 365 Unique Logins 4/27/2020 4/27/2020 Total number of government staff and Government staff and contractors using VPN. ... VIEW contractors logging into Office 365. Last Update Last Update McAfee Reported Computers **Email Activity** 4/27/2020 3:59AM 4/26/2020 11:55 PM District managed computers that have Total number of emails sent internally, checked in to the McAfee update server. outbound and inbound. Last Update Internet Traffic 4/27/2020 Inbound and outbound internet traffic through

How are OCTO and Agency IT teams supporting the District?

DCNET to internet service providers.

Last Update	OCTOHelps Calls	Last Update	CIO Bulk Requests	
04/27/2020 3:16PM VIEW Details	Call volume and types of requests received. •••	04/27/2020 2:55PM VIEW Details	Bulk requests for VPN, WebEx, and call forwarding from CIO's.	•••
Last Update 4/27/2020 3:10 PM	Remedy Tickets	Last Update 4/27/2020 3:15PM	COVID-19 Call Tree	
	Work requested of OCTO and IT teams across		The COVID19 Call Tree routs calls to	

Demonstration

This portion of the meeting was presented as a live demonstration.

District employees connected the DC Intranet can visit the live dashboard at:

District Government and OCTO Operations



Data Report

Mario Field
Data Curation Program Manager
Office of the Chief Technology Officer

COVID19 Automated Datasets

COVID-19 311 Calls	Feed from 311 data pull showing calls for service with code of CRV01	
CHATS Region V Hospital Status	Real time feed of regional hospital status as reported by MIEMSS CHATS system	
CIO Portal	Requests from Agency CIOs for OCTO support	
COVID-19 Response Form	Requests from anyone for OCTO support (being retired)	
COVID-19 Avaya calls	COVID related calls from multiple sources routed to dedicated COVID call tree	
VPN users	Report of VPN connections by agency	7
Office 365 connections	Number of connections on O365	
Office 365 unique connections	Number of unique connections on O365 - unique user logins internal vs external	
Network Traffic	ISP data on DC network represented as traffic on secure vpn and dc networks	
Remedy Tickets	IT Service requests COVID and otherwise to OCTO	
OCTO managed computers (DC and DCPS)	Managed (DC owned) and unmanaged computers (personal) OCTO has on a daily basis	
FEMS calls for service that required PPE	Individual access to secure networks: wireless and network	
Email activity	Emails coming into and out of, as well as internal email traffic	7
OCTO Helps Calls	Call center statistics	
Business Survey	DMPED data for HSEMA ESRI ops dashboard	

All available on hub site

cocto

New Datasets

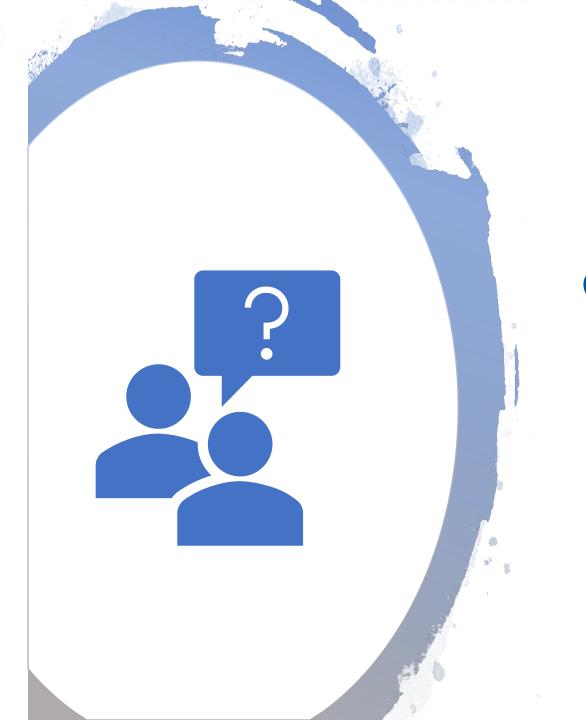
- Adopt A Block
- Enterprise Data Inventory
- Felony Sentences
- Impervious Surface 2019
- Parking Zones

- All available at opendata.dc.gov
- Published since last meeting, 3/7/20
- Contributors: DC Health,
 DMV, OCTO, OP, DLSBD,
 DDOT



Updated Data

- ABRA Moratorium Zone
- Bus Stop
- Bus Line
- Parking Violation march 2020
- Moving Violation march 2020
- District Owned Land
- Wireless Hot Spot
- Primary Care Center
- Main Street Corridor



Questions?

Thank you for joining. For notes and presentation material visit:

https://octo.dc.gov/node/1310836

https://opendata.dc.gov