

## District of Columbia Interagency Data Team

**May 15, 2019**

2:00 PM – 3:30 PM

Office of Chief Technology Officer  
200 I Street SE, Washington DC, 20003  
Conference Room 1001A & 1001B

### Agenda

- **Welcome, News & Updates**  
Michael Bentivegna, Data Visualization and Analysis PM, Office of the Chief Technology Officer
- **DC Gov Focused User Groups – Brief on Recent Meetups**
  - **DC Gov GIS Users**  
Eva Reid, Senior Analyst, Office of the Chief Technology Officer
  - **Data Science @ DC**  
Peter Casey, Senior Data Scientist, Office of the Chief Technology Officer
- **Self-Service Analysis Capabilities Through In-memory Processing**  
Tariq Thangalvadi, Department of Health Care Finance
- **How & Why DC Government Received Gold Certification from What Works Cities**  
Barney Krucoff, Chief Data Officer, Office of the Chief Technology Officer
- **Data Report**  
Mario Field, Data Curation & Governance PM, Office of the Chief Technology Officer

### Meeting Notes

Best attempt to capture notable comments and questions from attendees (paraphrased). For complete presentation visit, <https://octo.dc.gov/node/1310836>

Presenter: Michael Bentivegna (OCTO) – Welcome and News

- Tableau - held first Site-Administrators meeting. We will have a policy groups meeting next. Scheduled meeting will be in June.
- ArcGIS Hub and data stories – we are encouraging agencies who are workin in ArcGIS Hub to consider creating web story apps.

- New Pictometry Obliques will be available in September 2019. They will be available online <https://octo.in.dc.gov/node/15706>
- The flyover for the Planimetric project happened in April 2019
- Tableau Training – there will be classes coming up in June. They fill up quick. There is no intermediate class at this time. We’ve noticed a lot of OCFO attendees recently.
- Gis training – we will again hold an address mapping webinar using MAR and ArcGIS Pro
- ArcGIS Pro training is still under development.

Presenter: Eva Reid (OCTO) – GIS User Group

- Group has been meeting for the last year and a half – webex once a month.
- A lot of discussion about what is happening in the user community.
- Last meeting is what do people want to see.
- Tomorrow’s meeting, DC Health will present their arbo-virus work along with survey123.
- Goal is really to get people talking to each other.
- Scheduled for two hours but usually just 1.5.
- There is also a sharepoint site. Ask Eva for an invite and access.
- People are getting to know each other as opportunities to hear what projects are happening but more importantly the people behind it.

Presenter: Peter Casey (Lab @ DC; OCTO) – Data Science User Group

- Began meeting August 2018
- It’s really more of a meetup than user group. You don’t have to be a data scientist. You can just be a consumer of data. Learn about projects happening in the city but not just within dc government.
- Share what people are learning – research, conference attendance, collaboration.
- Began with a dozen and now up to 30 people.
- The last meeting featured DC NET. Talked about development of long range wide area network – collecting data from sensors around the city. Talked about potential use cases.
- DMPED also presented. So did WDCEP.
- Coming up next month, first agency take-over by DC Health at their agency headquarters. They’re putting together the agenda so it will be their collection of projects.
- We now have a Microsoft Teams virtual space to continue participation.
- The group will soon create an executive committee to help govern/plan meetups.

Presenter: Tariq Thangalvadi (DHCF) - Self-Service Analysis Capabilities Through In-memory Processing

Note: the majority of this presentation was live demonstration.

- Started with legacy archaic systems – claims adjudication.
- DC government pays out Medicaid where Medicare does not cover. Every year DC pays out about \$3 billion. The Department of Healthcare Finance’s vision needed a toolset using SaaS.
- Using Hadoop like concept.
- Limitation with the cognos dataset

*Functional accomplishments:*

- First year we identified \$6.5 million in savings.
- Weekly waiver neutrality report (federal versus local \$).
- Program integrity utilization review, audit and investigation – preventing fraud.

#### *Self Service Analysis – most advantageous*

- Over 14 years of claims and enrollment data scrubbed cleansed and normalized.
- 1,000 more attribution fields available.
- Ability to customize and create special purpose extracts.
- Visualizations that can be imported for creative analysis. We only have 3 developers. Now we have empowered our endusers to do this customization.

#### *Hands on Analysis using Power BI*

- Employees and users can not break the tools. We've seen a lot of usage and almost have to scale back availability. However we will not.
- Power BI is similar to Tableau with many similar features and so we decided to use Power BI

#### *Demonstration with in-memory processing using Power BI Drug Analysis – Searches for,*

1. Highest payment for specific drug
  2. beneficiary payments and the drugs paid out
- *Question:* are there in-memory limitations for processing? When is it too much? Do you use the cloud product?
    - We do not use the cloud product. We use the client because it is free, deployed on our own servers.
  - *Question:* how much of this demo is creating interactive visuals and how much is integrating the data to Power BI? Are the tables sitting on sql servers on five separate servers? Or Excel spreadsheets.
    - It can be both but in this demo we are using Excel. We also use some SaaS.

#### *Presenter: Barney Krucoff (OCTO) - How & Why DC Government Received Gold Certification from What Works Cities*

- What Works Cities just gave us a Gold certification. Only four cities have it. It's also a report card. No jurisdiction is at platinum certification yet.
- What Works Cities is a Bloomberg philanthropy organization – fully domestic.
- See slide presentation for major criteria
- Criteria for Open Data – we are good and hit all of these.
- Criteria DC government is still working on,
  - Data governance – we need to be stronger with our privacy policy and this is in progress
  - Data governance – we need to expedite in sharing protected data. We're good with sharing open non-protected data in <https://opendata.dc.gov>
  - Evaluations - we score higher because we have the Lab @ DC but we need to enhance budget requests and data sharing.

- General management – local gov documented ... difference is we don't have a single documented evidence.
- Repurposing – really refers to budget. Are you using the analysis to identify programs you shouldn't do anymore? A documented process and resident feedback for when a program should be discontinued. DC government does not have a uniform process. Agencies are doing this individually.
- Contracting – performance based. “We're not buying a laptop, we're buying the results. We're not buying a warehouse, we're buying a solution.”
- Performance analysis – do we regularly share our strategic goals in numerical ways. We'll see that the Mayor is moving that way. Example, coming up with a goal of 36,000 new affordable housing units, district wide.
- Stakeholder engagement – these questions are really about engaging public for commenting on datasets, more interactive poles versus coming to ANC meetings.