

Interagency Data Team

March 9, 2021

<https://octo.dc.gov/page/interagency-data-team>

Agenda

Welcome, News & Updates

Michael Bentivegna (OCTO)
Program Manager Data Visualization & Analysis

Chief Data Officer's Annual Report & Enterprise Dataset Inventory

Barney Krucoff (OCTO)
Chief Data Officer

DC HSEMA COVID-19 Recovery Dashboard

Melissa Deas (HSEMA)
Recovery Section Planning Lead

Tony Goodman (HSEMA)
Recovery Section Planning Lead

Data Report

Mario Field (OCTO)
Program Manager Data Curation & Governance

Business Intelligence

Tableau System Versions,
Planned Upgrades &
Site Administrators Meeting



- **Internal Production**

- Version 2020.2.3
- Upgrade to Version 2020.4.2 Planned for 3/11/2021

- **Public Production**

- Version 2020.2.3
- 13 Agencies embed ~ 95 Tableau Reports/
Dashboards into 20 public-facing websites and ~3 internal shared locations
- Automatic Scripts

- **Test/Dev**

- Version 2020.2.3
- Quickbase
- Secure Auth

- **Site**

Administrator Quarterly Meet

- March 19th, 2021

Business Intelligence

MicroStrategy System
Versions, Planned Upgrades
& Stake Holder Meeting



• Production Server

- Version 2020 Update 2
- Upgrade to Version 2021 Planned for May 2021

• Lower Environment

- Version 2020 Update 2
- Enterprise/Self Service
- Deploying physical IS server for development

• Public/Sharepoint

- COVID-19 public dashboard
- <https://coronavirus.dc.gov/page/coronavirus-data>

• Stake Holders Meeting

- Will be May 27th 2:00-4:00 pm

Geographic Information Systems

DC GIS System Versions,
Planned Upgrades & Data
Highlights



- **ArcGIS Server Production**
 - Version 10.7.1
 - Upgrade to 10.8.1 is Underway!
- **ArcGIS Portal**
 - Version 10.7.1
- **Esri GeoEvent**
 - Internal Version 10.7.1
 - External Version 10.7.1
 - Integrated with Data Lake

- **Annual Ortho & Planimetric**
 - On-Track for March/April Flight
 - Data by Sept/Oct
- **Pictometry Aerial Imagery**
 - Flown 17% began Jan 2021
 - Data will be on <https://explorer.pictometry.com/login.php>
- **Vaccination Sites**
 - <https://coronavirus-data-dcgis.hub.arcgis.com>

Big Data & Data Integration

System Versions, Planned Upgrades & Administrators



Data in DC

- **Mobility**

- Over 13 Billion Records, Multiple Providers

- **Replica**

- User Interface and Raw Data
- DC Region Model Available

- **AWS Connect Call Center**

- DHS, OCTOHelps, DCPS, DC Health, DCRA, DCHR, DHCF

- **Cloudera Platform Upgrade**

- Enhanced Security
- Easier Kerberos Authentication
- Apache Spark 2.x

- **Data Lake**

- Docs for R-Studio, Excel, PowerBI

- More at

<https://octo.in.dc.gov/node/47271>

- **Dockless Trips**

- Esri GeoEvent Integrated

User Groups

GIS User Group

- March 18th, DDOT ParkDC Hub
- April 22nd, DPW SnowOps & GeoEvent
- Meetings via WebEx
- Contact Eva.Reid@dc.gov

Data Science @ DC

- March 30th
OCTO Data Enrichment Process
- Meetings via Teams
- Contact Tomash.Bukowieckil@dc.gov



Training Virtual Tableau



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

- **Introductory Prep**
 - March 17 (one seat left)
 - May 19
- **Introductory Desktop**
 - April 13 -14
 - May 4-5
- **Intermediate Class**
 - April 29-30

Training Virtual MicroStrategy



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

• **Introductory Class**

- March 23 (only 2 seats left)
- April 20
- May 25
- June 22

• **Intermediate Class**

- Coming Summer 2021

• **Architect & Developer Class**

- By invitation only, based on agency need
- Next date early summer 2021

Training Geographic Information Systems



Please submit an information request for more information. All courses require ArcGIS Online Access and/or ArcGIS Pro locally.

- [Info Request Form](#)

<https://octo.in.dc.gov/service/enroll-gis-training>

- **DC Government GIS Fundamentals**
 - March 17th, April 7th and May 5
- **DC Government Learning Paths available via ESRI Training Portal**
 - Employees with ArcGIS Online access
- **DC GIS Learning Paths**
 - [DC Government: ArcGIS Online Fundamentals](#)
 - [DC Government: ArcGIS Pro Fundamentals](#)
 - [DC Government: Migrate to ArcGIS Pro](#) (for current ArcGIS Desktop users)
 - [DC Government: ArcGIS API for Python Fundamentals](#)

Chief Data Officer's Annual Report Enterprise Dataset Inventory

Barney Krucoff
Chief Data Officer
Office of the Chief Technology Officer

[Draft StoryMap](#)

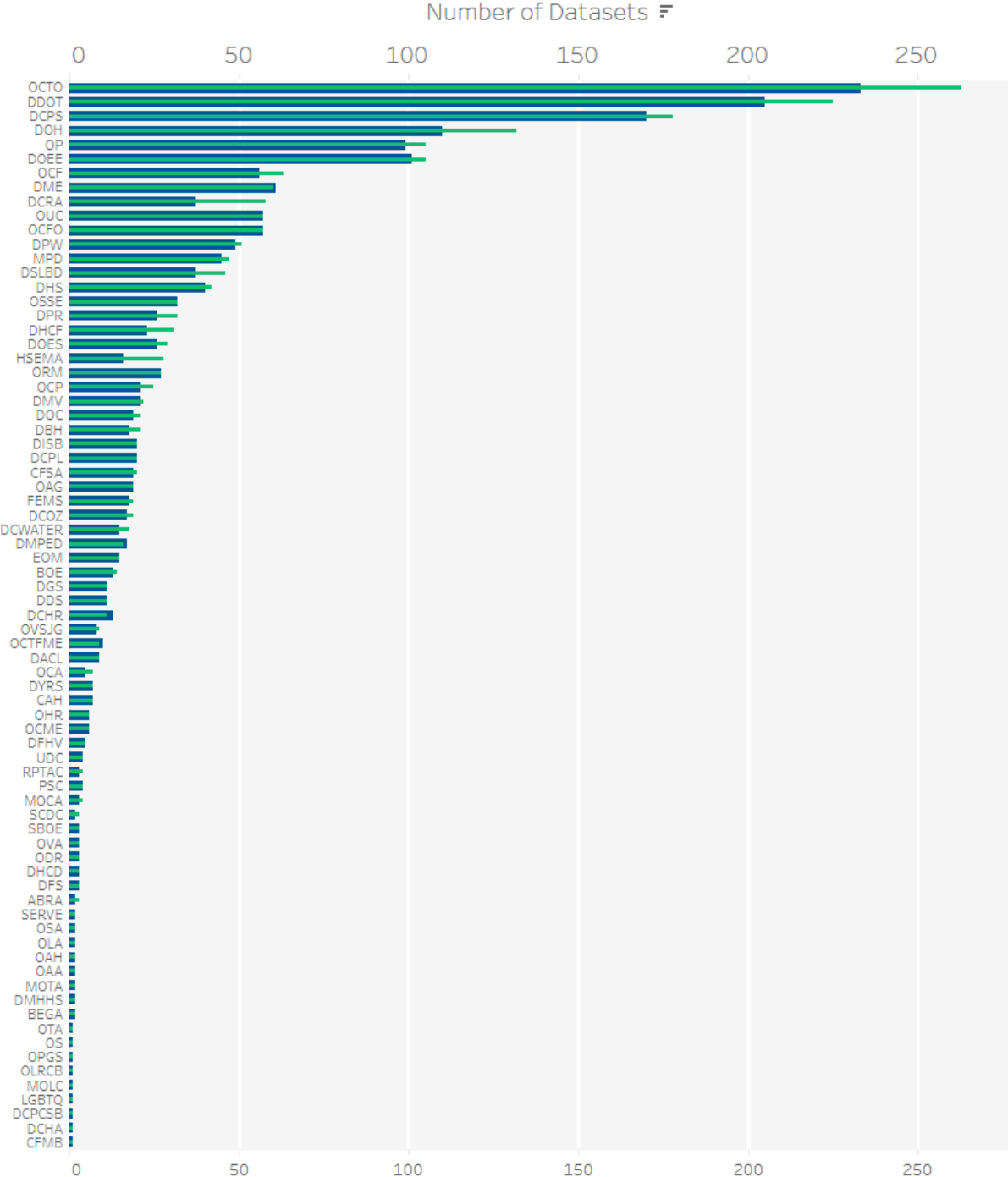
Live Demonstration

Participation

This year the inventory recorded **2,097 enterprise datasets**, up from 1,915 datasets in 2020.

Increased agencies,

- Homeland Security and Emergency Management, 75%
- Department of Consumer and Regulatory Affairs, 57%
- Alcoholic Beverage Regulation Administration, 50%
- Office of the City Administrator, 50%

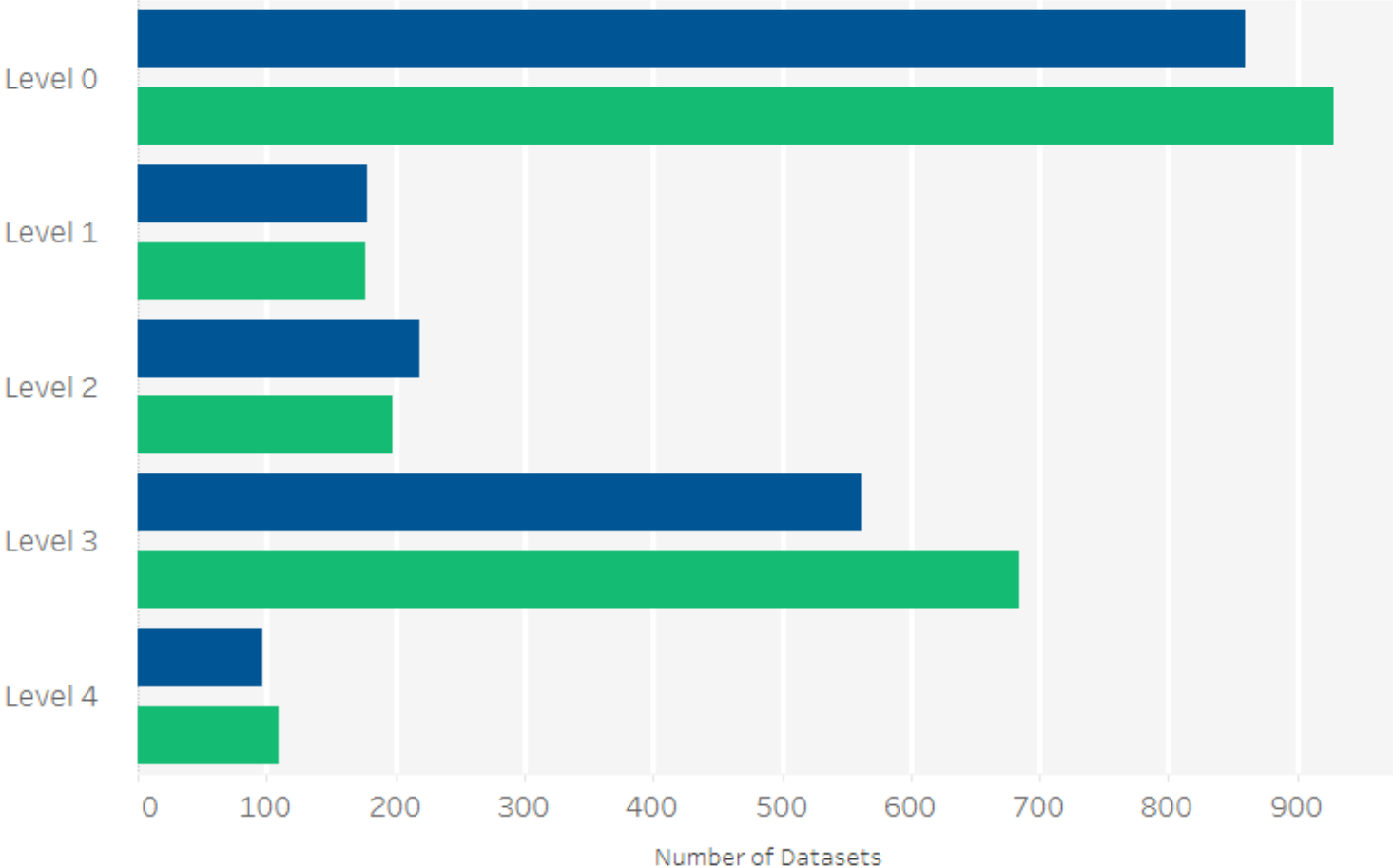


Classification

The DC Data Policy also lays out a dataset classification system to help determine which enterprise datasets should be open to the public and which should be closed to protect privacy, safety, and security. Classifications were submitted by each Agency Data Officer and approved by a General Counsel. **Agencies tagged 691 datasets as containing Personally Identifiable Information (PII).**

How did agencies classify their data?

EDI Year: ■ 2020 ■ 2021

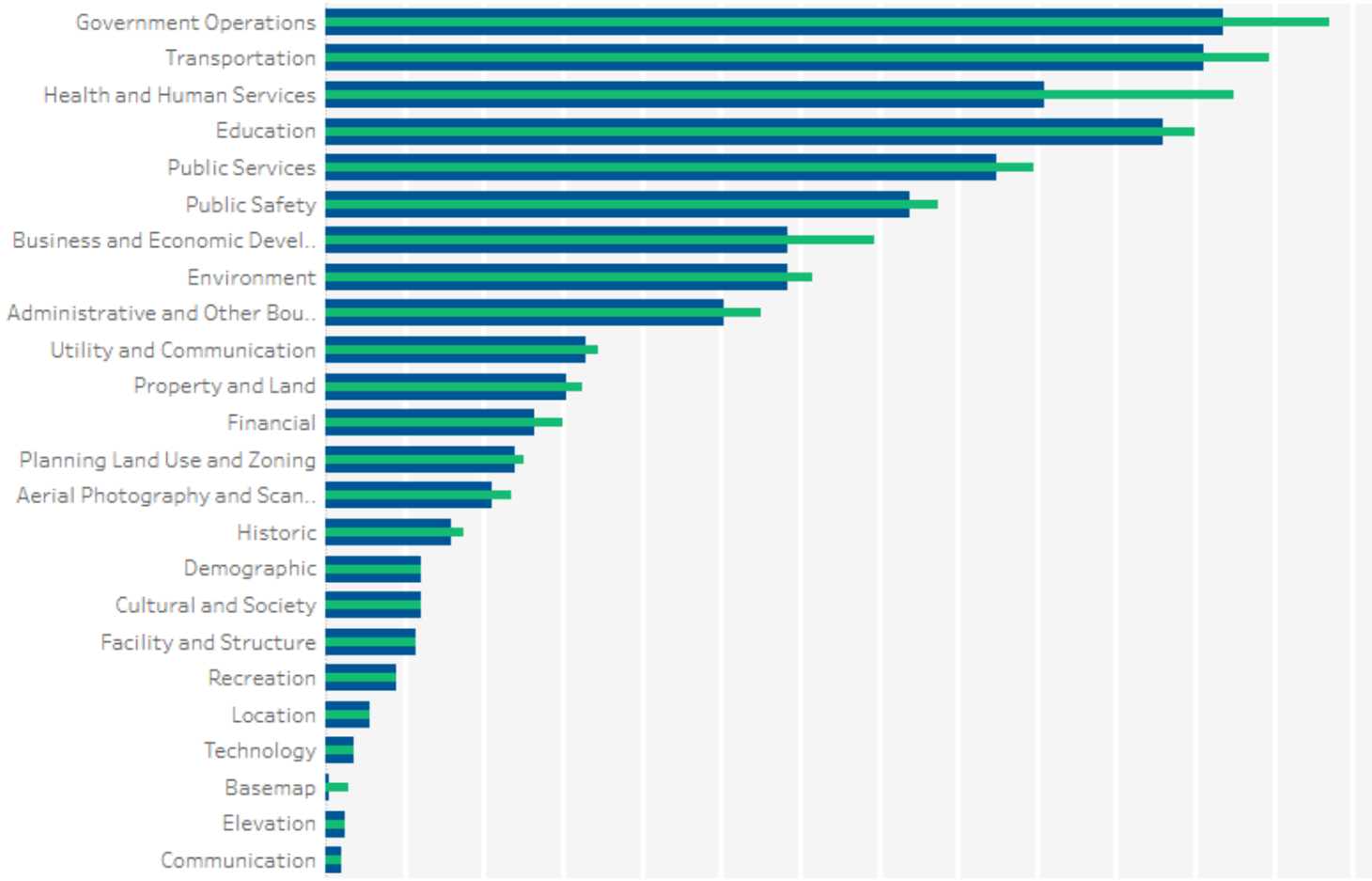


Categories

District agencies categorize their datasets to facilitate discovery and sharing. Thirty-one new datasets explicitly mention COVID in their titles and descriptions. Due to COVID-19, this **year's greatest increase was in the Health and Human Services category.**

How did the agencies categorize their data?

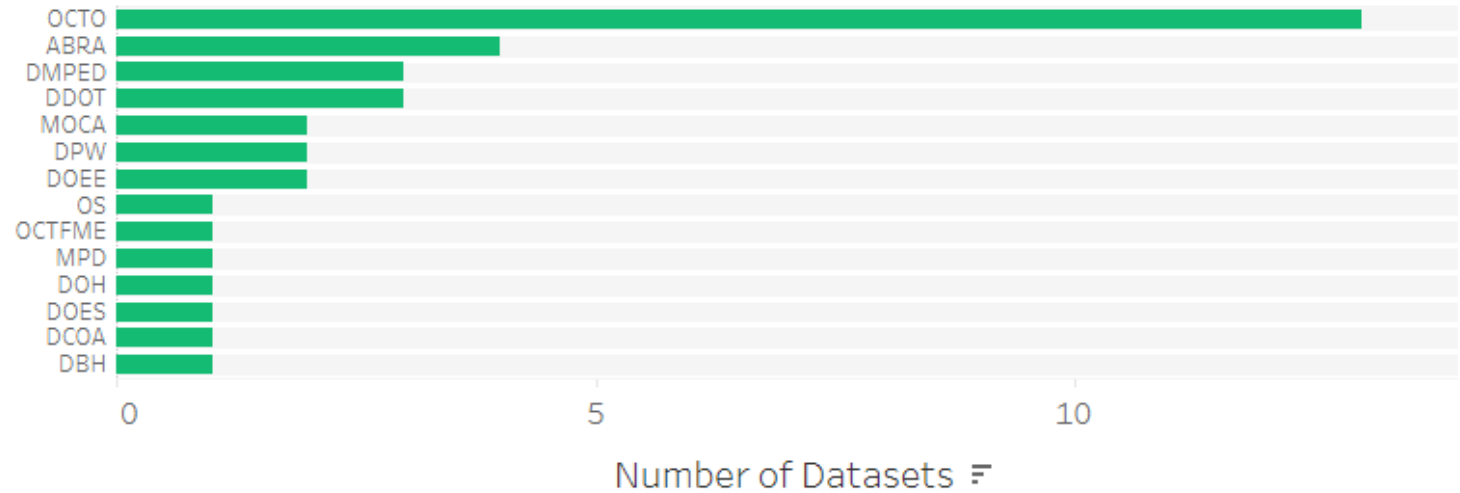
EDI Year: ■ 2020 ■ 2021



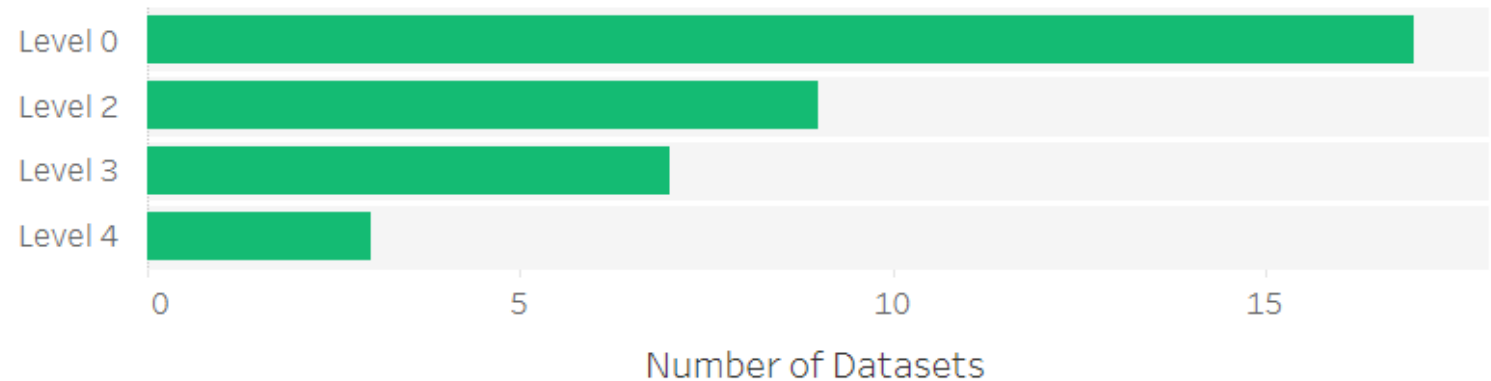
Retired Datasets

As part of maintaining security and good data hygiene, the Data Policy requires District agencies to review and, when appropriate, retire datasets that are no longer used. In the 2021 inventory, **retired datasets were widely dispersed by agency and classification.**

Which agencies retired datasets?



How were retired datasets classified?



EDI Dataset Content

The EDI dataset is released to the Public on DC's open data portal. It contains information about the dataset and associated information. There is a Level 0 and Level 2 versions of the EDI.

Level 0

Name
Classification Level
Classification Reason
Data Owner
Summary Description
Link to dataset on the web
Keywords
Category Name
Source Type
Update Interval
Agency Acronym
Agency Name
Is it on the Open Data Portal?

Level 2

Flag if approved/denied by GC
Notes or Comments
Is the Dataset Retired?
Application/System Name
Why Dataset is Sensitive?

DC HSEMA COVID-19 Recovery Dashboard

Melissa Deas and Tony Goodman
Recovery Section Planning Leads
DC Emergency Operations Center

Goals

Show the impact of the pandemic

Track if we are seeing signs of recovery

Describe available funding & resources

Track DC Recovery Programs

Audience

Intended Audience

Deputy Mayors Offices

District staff working on recovery

Site Security

Internal District users only & only after access is granted

Implications

Allows us to publish non-public data & reach out to users as needed

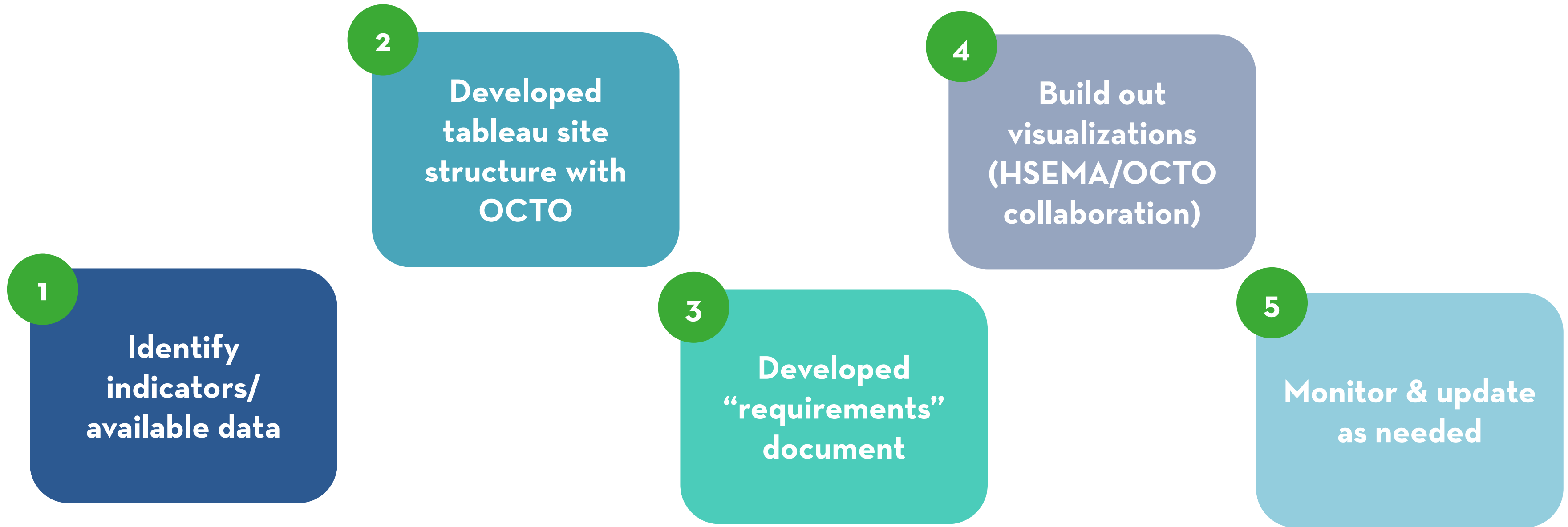
Partner Agencies



Smithsonian



Process



Process

Tab	Sub-Metric	COVID ID	KPI	Footnotes	Frontpage ToolTip	Frontpage "Baseline" metric	Frontpage "Baseline" Text
Workforce Impacts	Unemployment Rate (Monthly)		Monthly Unemployment Rate, compared to the previous 21month	Monthly unemployment rate is not seasonally adjusted. Most recent month represents preliminary results and may change. Data retrieved from fred.stlouisfed.org.	The District's unemployment rate is X%; this is a X percentage point (increase/decrease) from the previous month.	Unemployment rate in February 2020	Pre-COVID Unemployment Rate: X%
	New Unemployment Claims Filed (weekly)		Weekly new claims filed, compared to previous 241week	Data provided by DOES and retrieved from Open Data DC. Data is typically at least 24 hours behind.	X District residents filed for unemployment last week; this is X (more/less) than the previous week.	Average new unemployment claims per week reported in (SAME MONTH) 2019.	Average new claims per week reported in (SAME MONTH) 2019: X
	Number of individuals on unemployment insurance (weekly)		Total number of individuals receiving UI, compared to previous 241week	Data provided by DOES and retrieved from Open Data DC. Data is typically at least 24 hours behind.	X District residents received unemployment insurance last week;; this is X (more/less) than the previous week		
	SNAP + TANF new applications		New weekly applications, compared to previous week	Data provided by DHS. DHS began tracking online SNAP/TANF applications on April 1, 2020.	X District residents applied for SNAP or TANF last week; this is X (more/less) than the previous week	Peak SNAP + TANF new applications	Peak weekly SNAP + TANF applications since COVID-19: X

Landing Page



COVID Recovery Dashboard



The COVID Recovery Dashboard tracks key performance indicators to measure how the District is progressing toward the COVID-19 pandemic Recovery Objectives. These objectives and related metrics are mapped to the six Recovery Support Functions (RSFs): Economy + Workforce, Health Services, Housing, Education, Infrastructure, and Cultural + Natural Resources. The COVID Recovery Dashboard also tracks federal funding resources that support District recovery efforts, along with their associated spending timelines.

Instructions:

Users must be connected to the VPN.
To get access, please reach out to the HSEMA IT Team at hsema.helpdeskagent@dc.gov

Browser recommendation: Chrome

Every month the District Recovery Planning team provides a report on key issues and indicators tracked in the dashboard to provide situational awareness. Past reports can be found here.

[Complete Recovery Monthly Reports Archives](#)

[September - Recovery Reports Archives](#)

[October - Recovery Reports Archives](#)

[November - Recovery Reports Archives](#)

Organization



COVID Recovery Dashboard

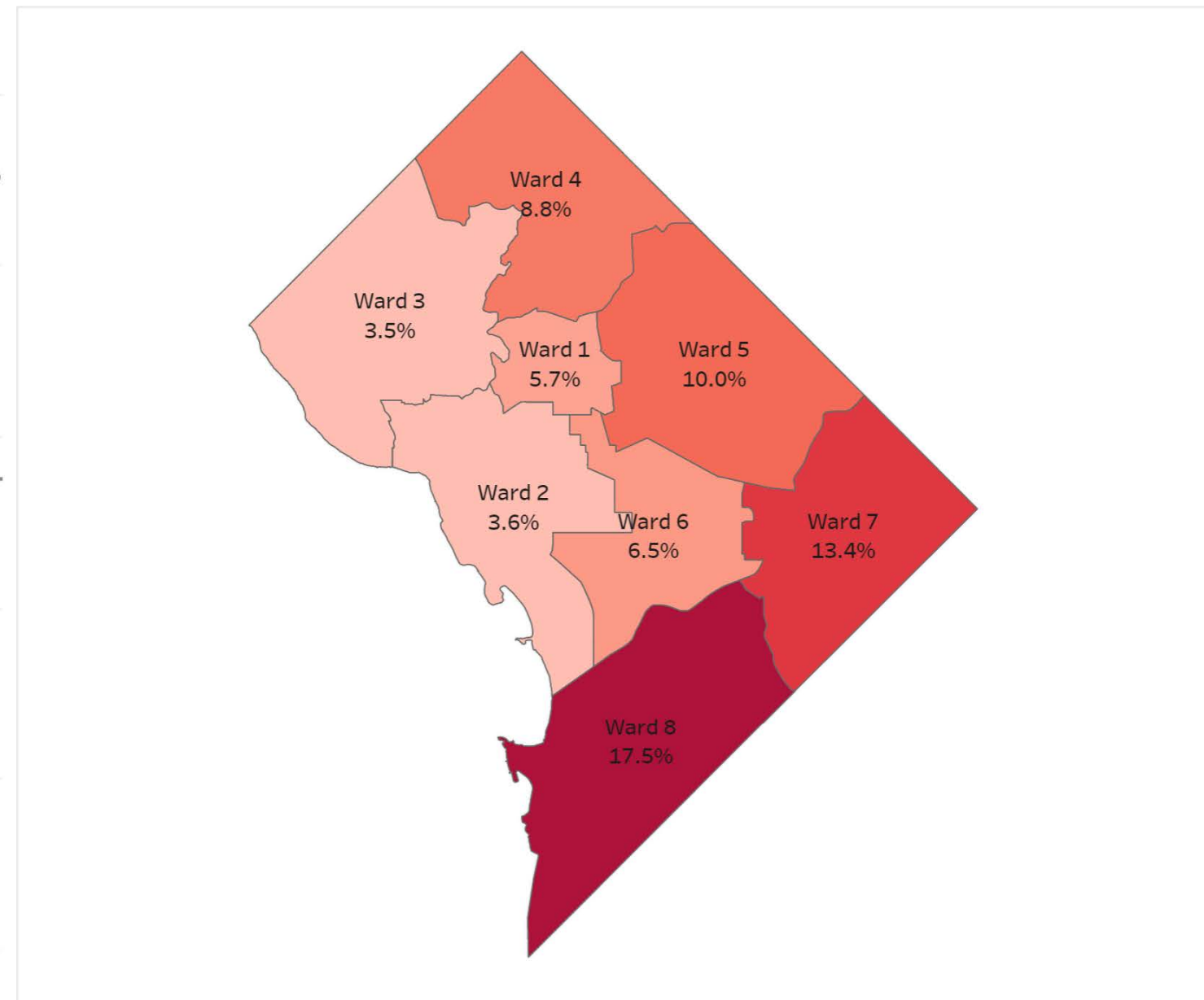
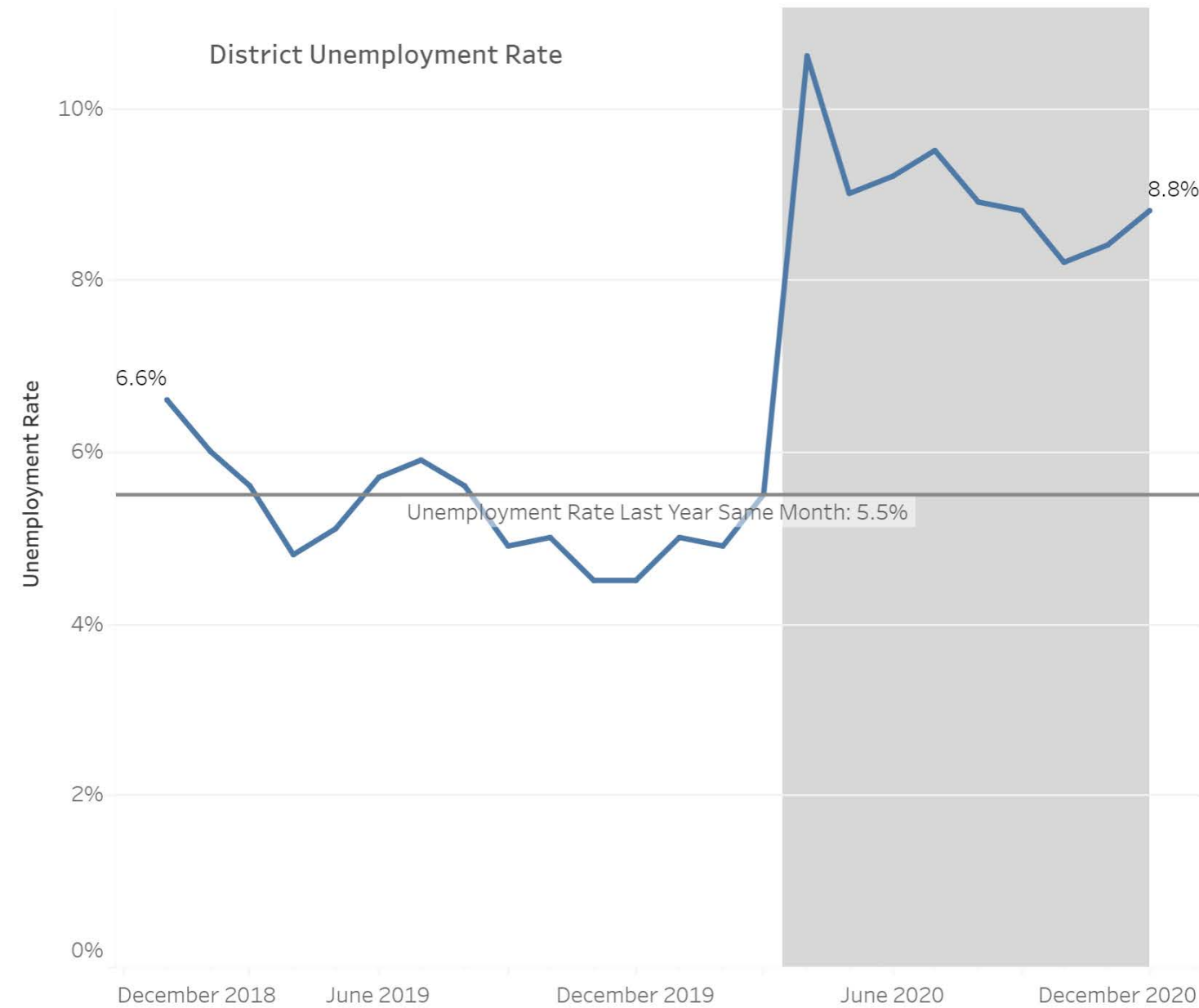


- Economy+Workforce**
- Health Services
- Housing
- Education
- Infrastructure
- Cultural+Natural Resources
- Operations

WORKFORCE IMPACT	ECONOMIC ACTIVITY	GOVERNMENT ASSISTANCE
<p>Unemployment Rate</p> <p>8.8% (monthly) </p> <p>December 2019 unemployment rate: 4.5%</p>	<p>Change in Consumer Spending</p> <p>-2.8% (daily) </p> <p>On April 14, 2020, total consumer spending hit its lowest point, 42% below spending in January 2020</p>	<p>Allocated Federal Funds</p> <p>\$3,044.13M (total)</p>
<p>Unemployment Insurance Claims</p> <p>958 (weekly) </p>	<p>New Building Permits</p> <p>3,768 (monthly) </p> <p>New building permits for the month of March 2020: 1,055</p>	<p>District Government Assistance</p> <p>Data forthcoming</p>
<p>Received Unemployment Insurance</p> <p>379 (weekly) </p>	<p>New Business Licenses</p> <p>5,994 (monthly) </p> <p>New business licenses for the month of March 2020: 1,665</p>	<p>Federal Funding Timeline</p> <p>See Government Assistance for details</p>

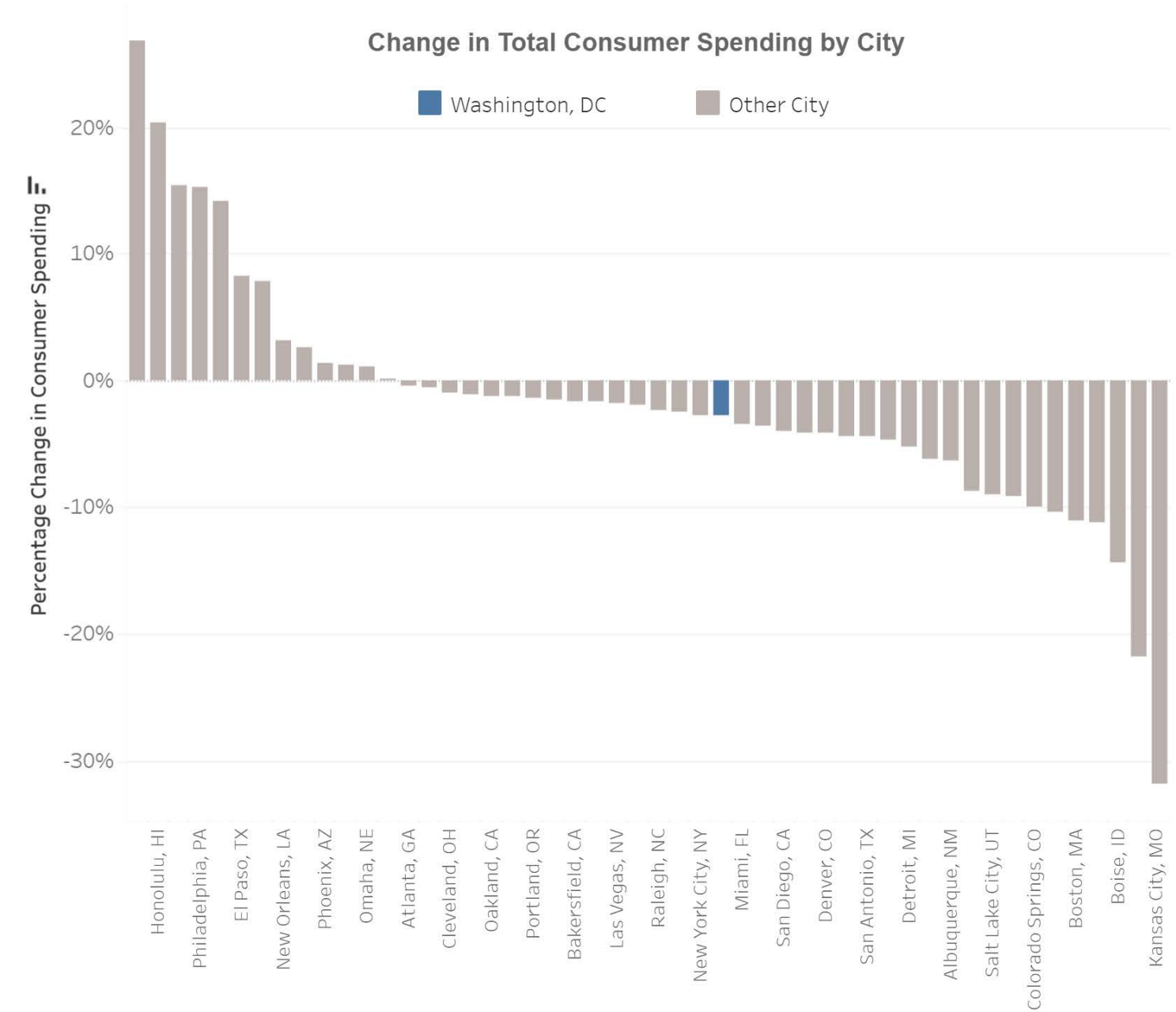
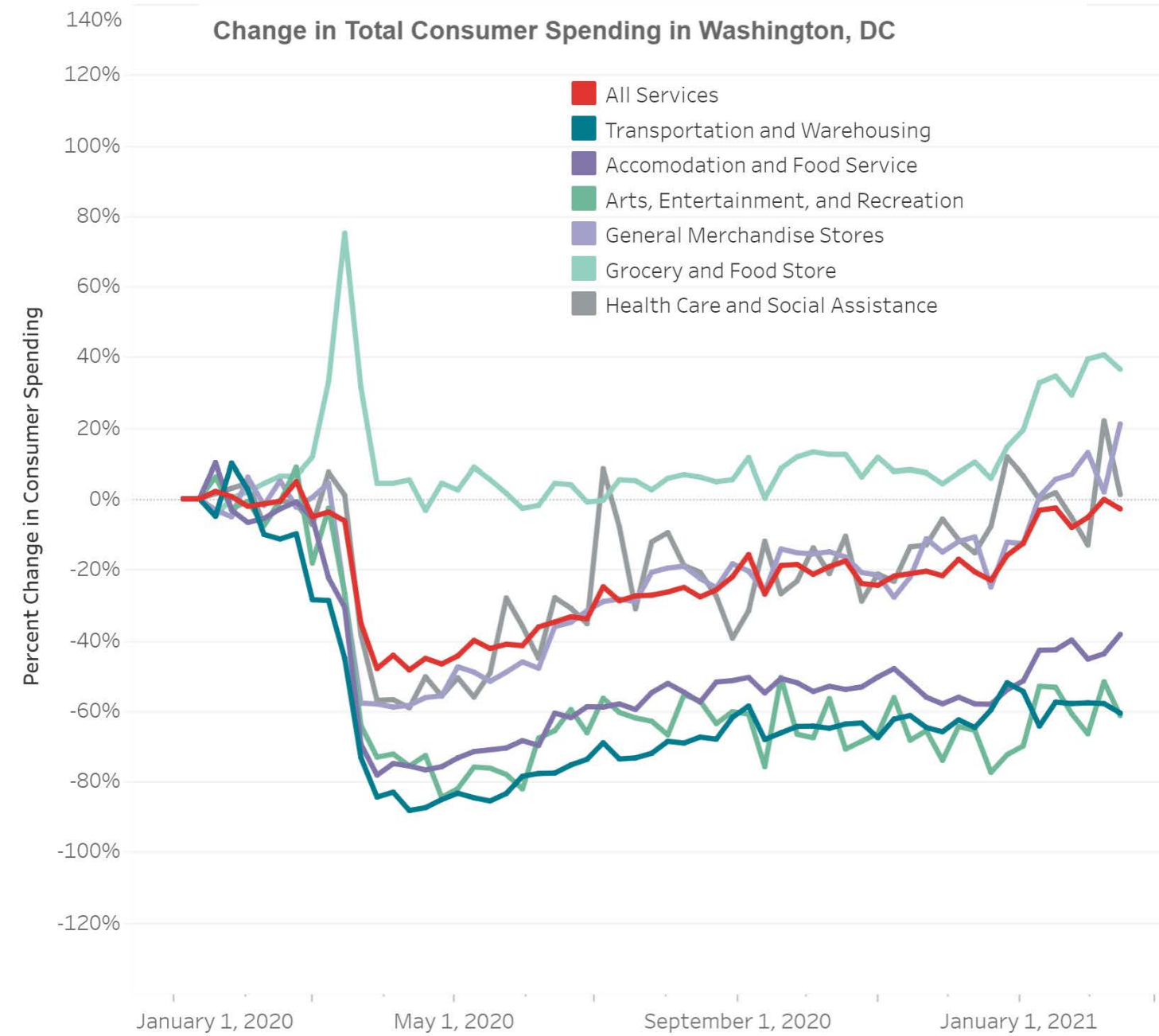
All data are based on current situational awareness and may change.

Economy & Workforce - Unemployment



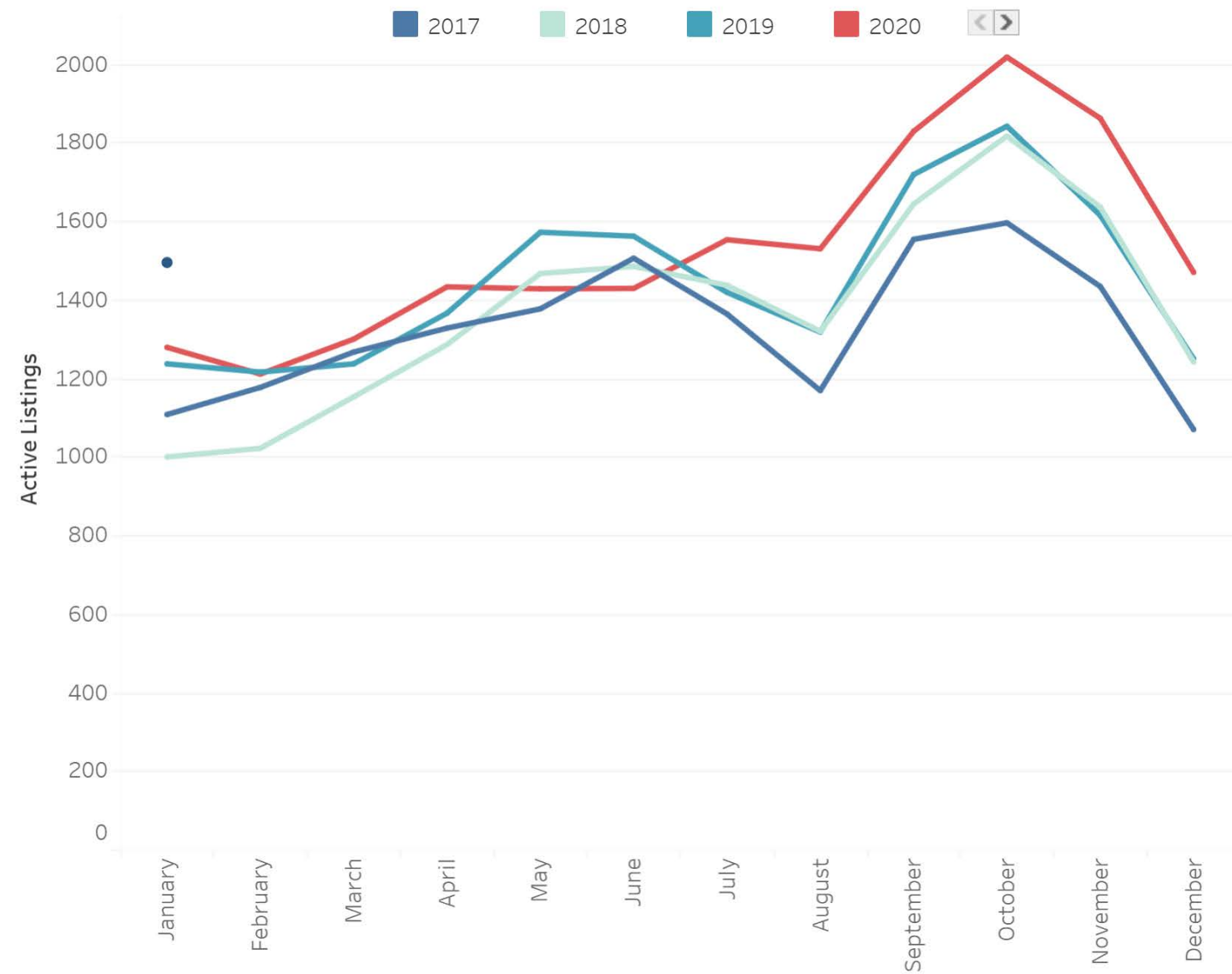
Monthly unemployment rate is not seasonally adjusted. Most recent month represents preliminary results and may change. Data retrieved from the Bureau of Labor Statistics.

Economy & Workforce - Unemployment

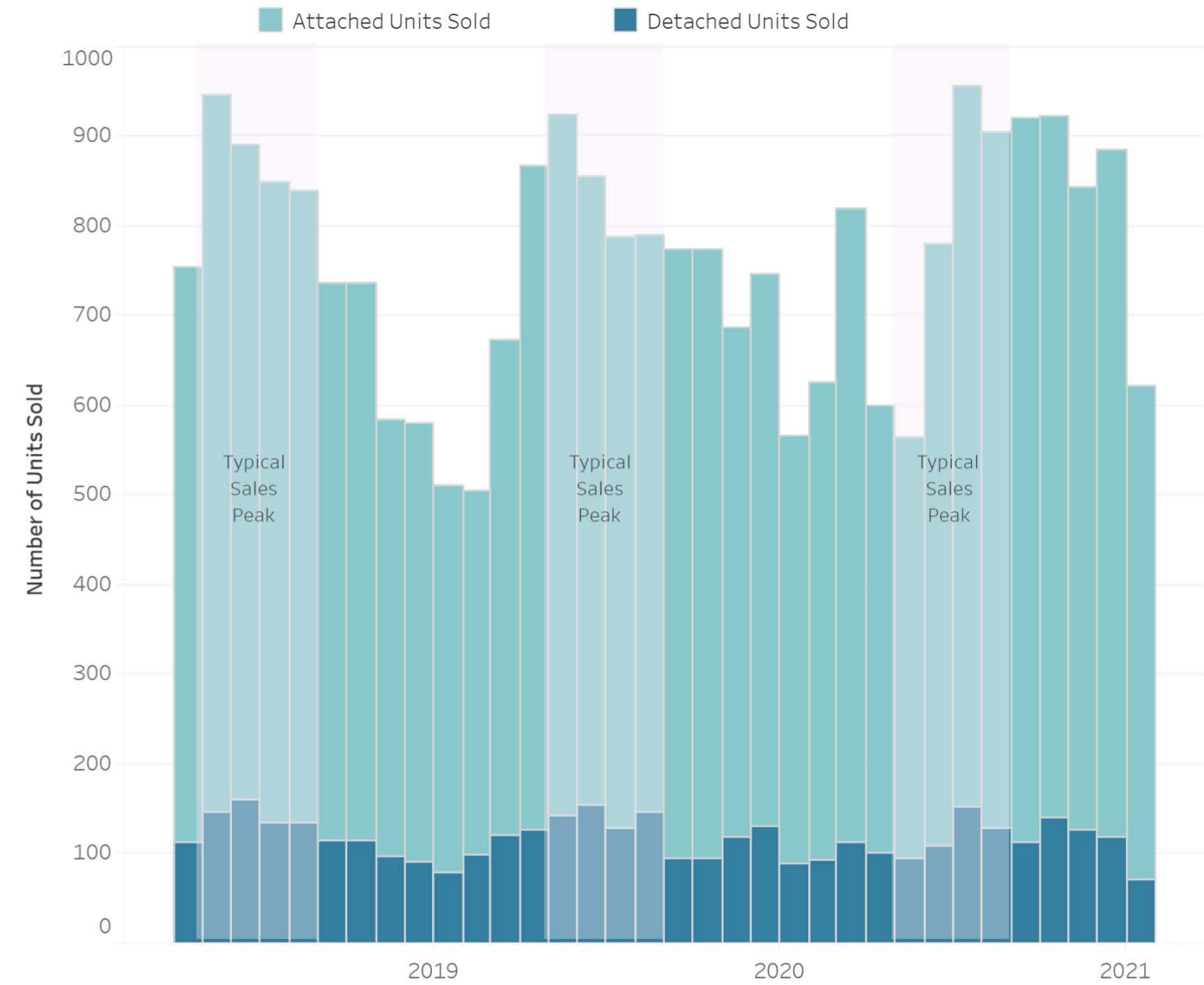


Housing- For Sale Listings

Number of Active Listings by Year

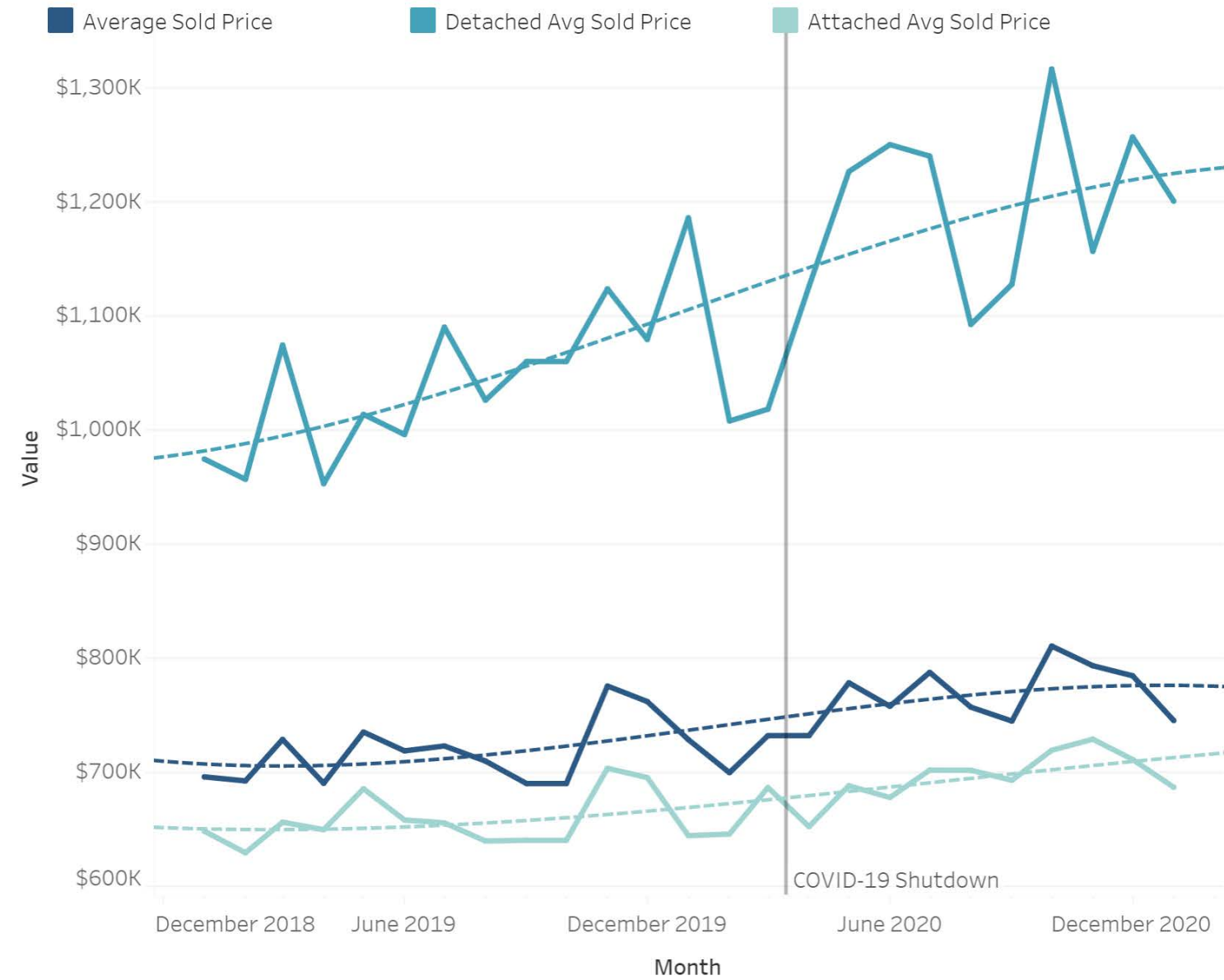


Units Sold



Housing- Home Prices

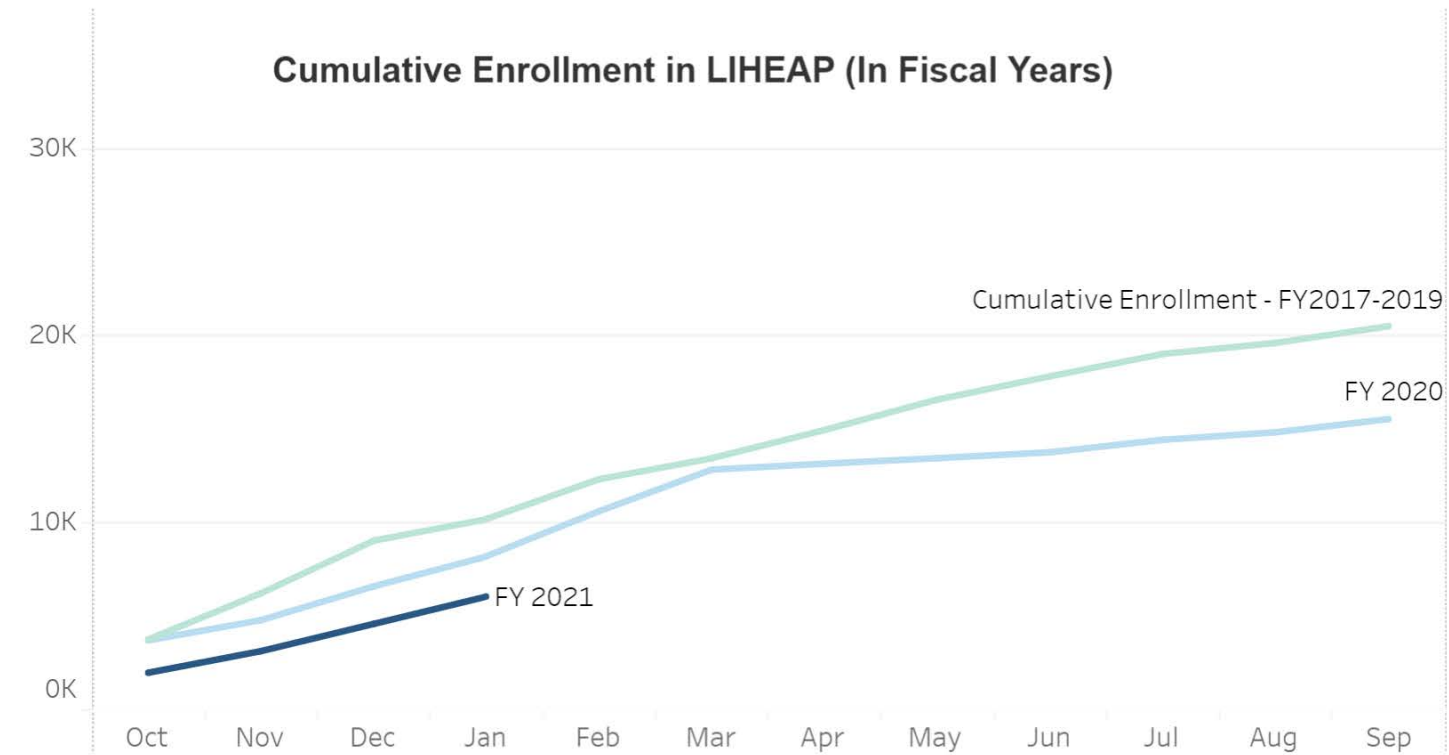
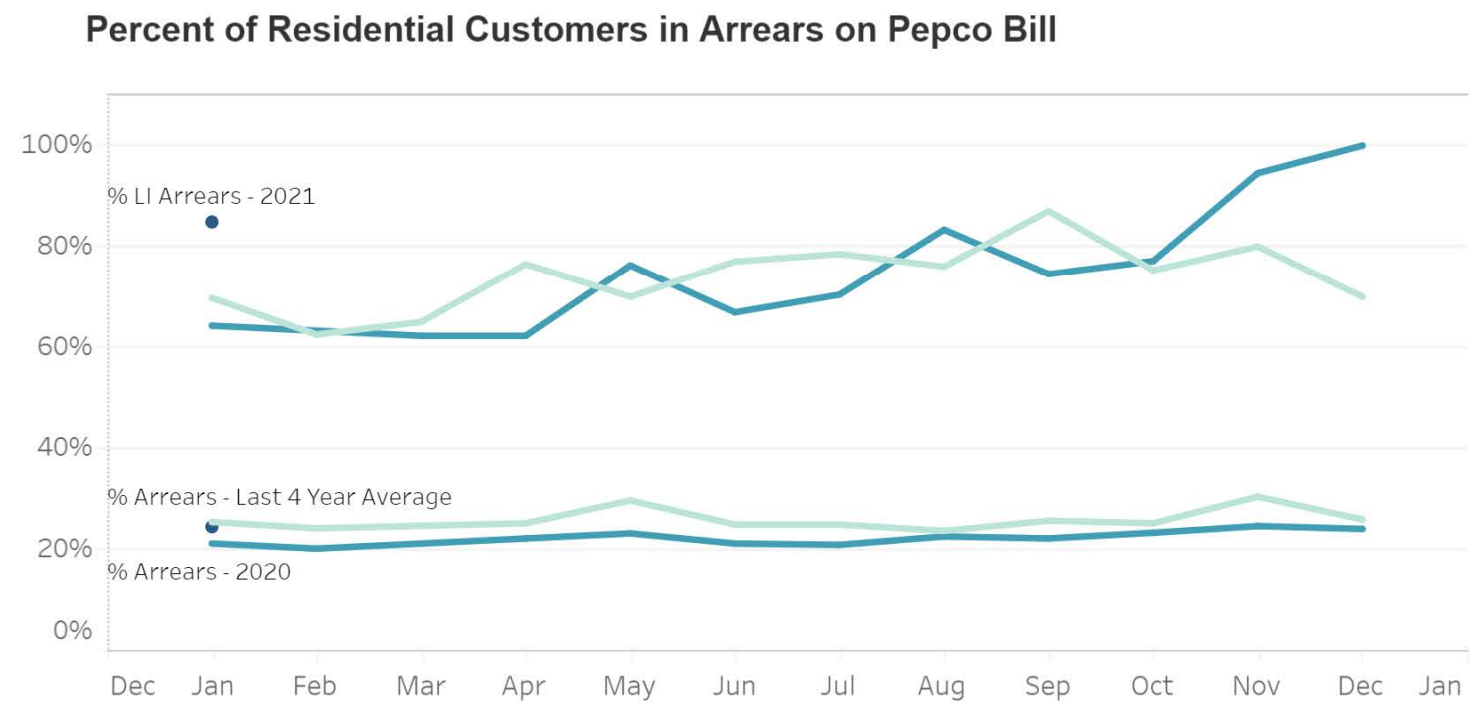
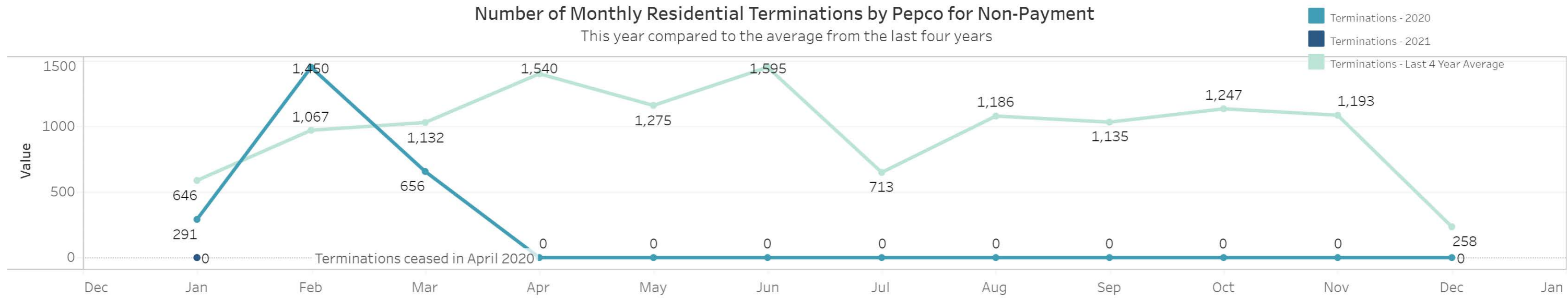
Average Price of Homes Sold



Percent Difference in Sale Price Same Month in Prior Year

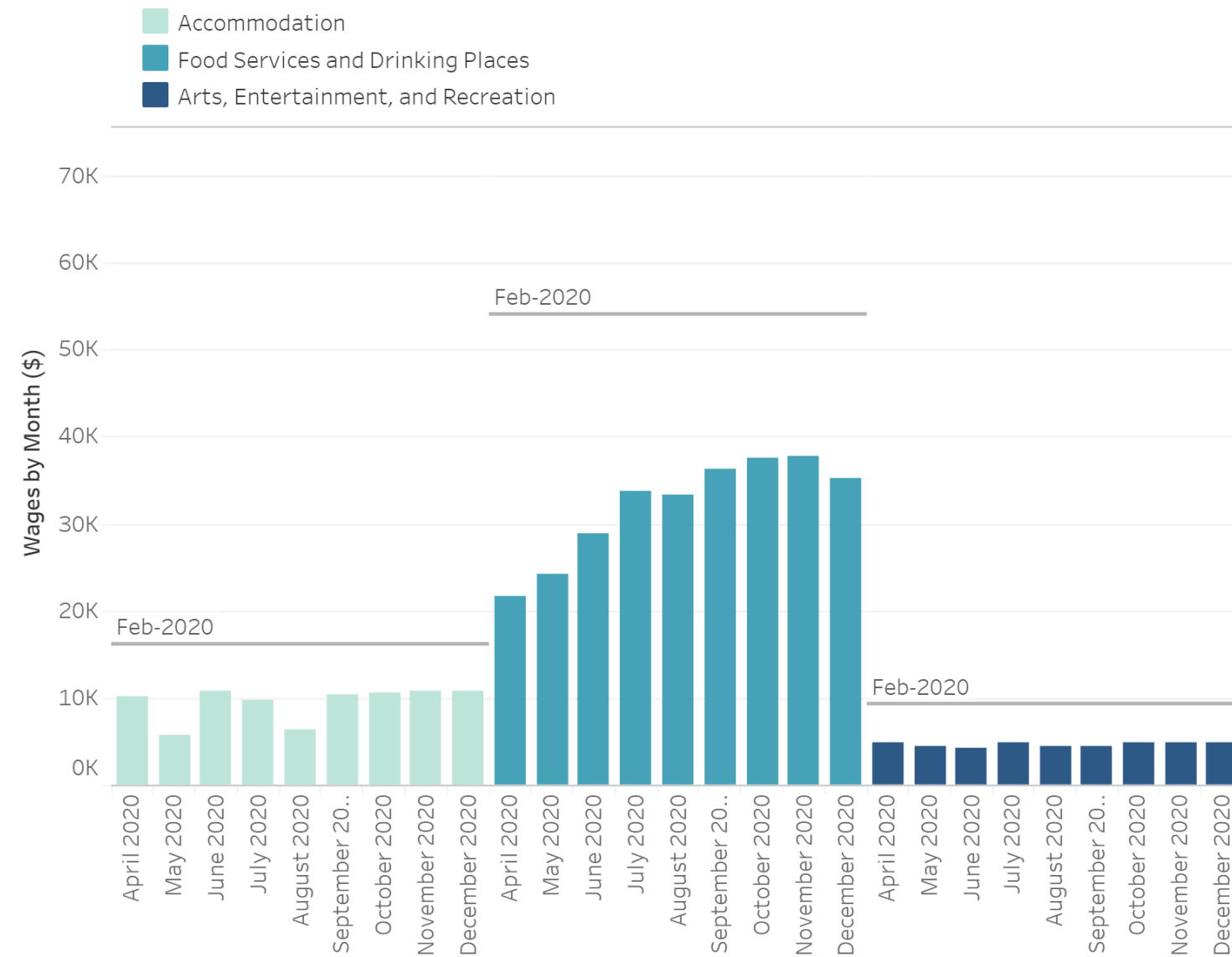
		Attached Homes	Detached Homes	All Homes
January	2020	-0.61%	21.73%	4.70%
	2021	6.60%	1.23%	2.30%
February	2020	2.61%	5.36%	1.05%
March	2020	4.64%	-5.24%	0.45%
April	2020	0.42%	18.19%	6.07%
May	2020	0.38%	21.02%	5.89%
June	2020	3.01%	25.55%	5.45%
July	2020	7.07%	13.76%	8.94%
August	2020	9.72%	6.48%	6.68%
September	2020	8.24%	6.40%	7.95%
October	2020	12.35%	24.22%	17.50%
November	2020	3.63%	2.92%	2.30%
December	2020	2.29%	16.48%	2.97%

Infrastructure - Utilities



Cultural & Natural Resources - Creative Economy

Wages and Salaries for Leisure and Hospitality Industries

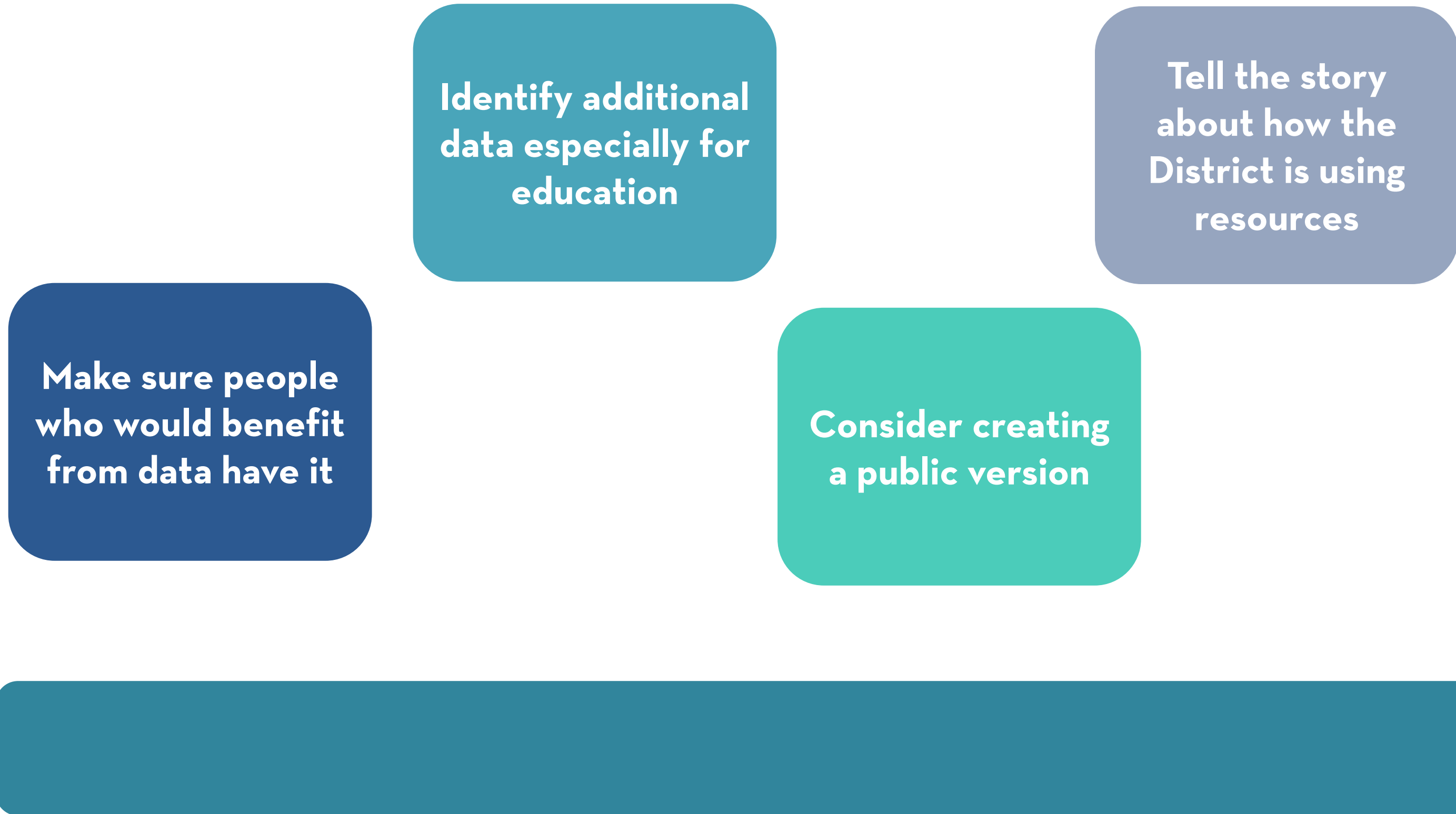


Percent Change in Wages and Salary For Same Month Last Year

	Accommodation	Food Services and Drinking Places	Arts, Entertainment, and Recreation
January	+1.3%	+1.0%	-2.2%
February	+1.3%	+0.0%	-2.1%
March	+0.6%	-6.5%	-2.9%
April	-37.4%	-61.9%	-53.4%
May	-65.1%	-57.5%	-54.5%
June	-35.1%	-49.4%	-56.6%
July	-41.0%	-39.8%	-51.5%
August	-61.2%	-39.6%	-53.1%
September	-37.3%	-35.6%	-54.5%
October	-37.3%	-32.3%	-52.0%
November	-33.5%	-31.8%	-51.0%
December	-33.7%	-35.2%	-49.0%

Source: Bureau of Labor Statistics. Data includes full and part-time employees who worked or received pay for any part of the pay period which includes the 12th of the month. Proprietors, self employed, unpaid family workers, and private household workers are excluded.

Needs & Future Actions



Live Demonstration

Data Report

Mario Field

Data Curation Program Manager
Office of the Chief Technology Officer

New Datasets

- **DMV Boot and Tow**
- **DOEE Wetland Inventory**
- **DPR Vehicle Inventory**
- **Lidar data from 2020 - DSM, nDSM, DTM**
- **Recreation and Aquatic Center Attendance**
- **Zoning Map Amendments**
- **Zoning Design Review Cases**
- **5 COVID-19 Exposure tables**
- **3 COVID-19 Vaccine tables**
- **2019 ACS Data**

All available at
<https://opendata.dc.gov>

Published since last meeting,
12/9/2020

Contributors:

DMV

DOEE

DPR

DCOZ

DC Health

DCOP (Census)

Updated Datasets

- **Building Energy Benchmarks**
- **Charter Schools**
- **Clean Team Service Areas**
- **Closed Public Schools**
- **DC Property**
- **Dockless Bikes and Scooter Monument**
- **Floodplains**
- **Floodplain Outline**
- **Film and TV Rebate Fund**
- **Moving Violation**
- **Nursing Homes**
- **Parking Violation**
- **Private Security Camera Voucher**
- **Private Security Camera Rebate**
- **Public School**
- **Residential Trash Routes**
- **Residential Recycling Routes**
- **Single Member Districts**
- **Topography 0.6-meter contour**

All available at <https://opendata.dc.gov>

Published since last meeting, 12/9/2020



Thank You for Joining

For notes and presentation material visit:

<https://octo.dc.gov/page/interagency-data-team>