

# Redistricting Data Hub

## Mapping Tools Overview

# Overview of the RDH

What is the Redistricting Data Hub mission?

How do we intend to make this happen?

# Mapping Tools and Notable Features

# Representable

[representable.org](https://representable.org)

The image shows a screenshot of the Representable website. At the top left is the logo "representable" with a small map icon. To the right are navigation links: "Redistricting Data Hub", "Learn More", "About", "My Account", and a blue "Add community" button. Below the navigation is a search bar labeled "Search Location". The main area is a map of the Eastern United States, specifically Maryland and Delaware, with various census tracts highlighted in light blue. A semi-transparent white overlay box is centered on the map, containing the following text:

Search for a zipcode, address, or landmark to start. Then draw your community by clicking units on the map.

Make sure that all your community is contained within the highlighted units, and that it does not contain gaps. The units are **census block groups**, which are used by map drawers to draw voting districts.

Below the text is another "Search Location" search bar. To the right of the text is a small inset map showing a zoomed-in view of the selected area. At the bottom of the overlay are two buttons: "< EDIT INFO" and "SAVE >".

On the map, there is a blue circle with a question mark and a blue box labeled "Your Community Info". At the bottom left of the map, there is a blue box labeled "Want different units?".

## Welcome to Virginia

[What is redistricting?](#) ▾

[How does redistricting work in Virginia?](#) ▾

[How can Representable help?](#) ▾

[Virginia's redistricting criteria](#) ▾



[See community maps drawn in Virginia here](#) ➔

### Communities of Interest in Virginia

In the redistricting process, Virginia requires the consideration of communities of interest (COIs). A Community is defined as a neighborhood or a geographically defined population that shares social, cultural, or economic interests. Communities do not include those based on party affiliation or based on shared relationships with political parties, incumbents, or political candidates.



## Step 2

### What unites your Community of Interest?

#### Community of Interest Definition in Virginia

Respond to **at least one** of the sections below. There are no wrong answers.  
Click on each category to see helpful questions and examples.

#### Community Activities and Services

ex. My community is made of the people who go to St. Peters Catholic Church. The church provides child care and charity services for the less fortunate in our community.

#### Cultural or Historical Interests

ex. My community is made of the Latinx community in east Brooklyn. The community has been in the neighborhood for 20 years and is affected by gentrification.

#### Economic or Environmental Interests

ex. My community is located near a river. Fishing is the main industry. We experience seasonal unemployment. Water pollution of the river is a common concern of ours.

#### Community Needs and Concerns

ex. My farming community extends over two counties and we hope you can put the community together in a single State Senate district.

## Redistricting Data Hub

University of Richmond

[Export All as GeoJSON](#)

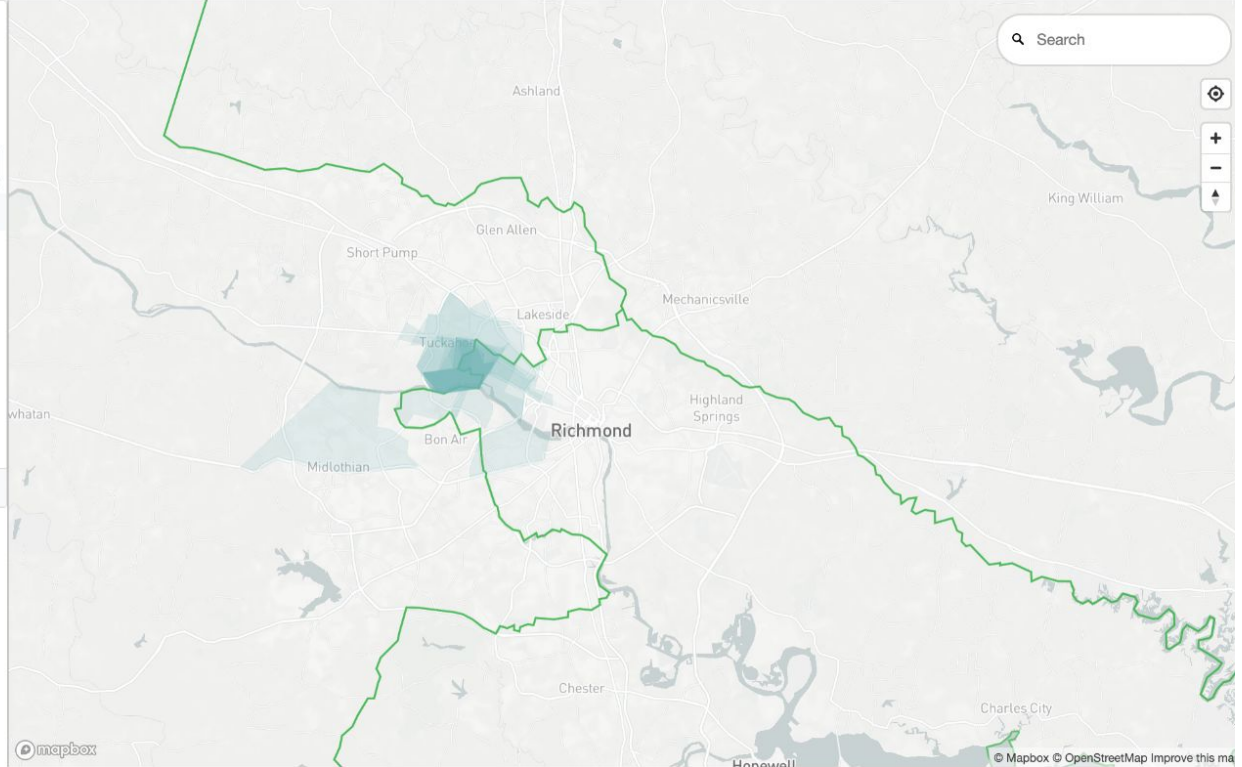
[Export All as CSV](#)

Search communities...

### Data layers ▾

- CONGRESSIONAL DISTRICTS
- STATE SENATE DISTRICTS
- STATE HOUSE DISTRICTS
- COUNTIES
- 5-DIGIT POSTCODE AREAS
- 2010 CENSUS BLOCK GROUPS
- SCHOOL DISTRICTS
- 2010 CENSUS TRIBAL BOUNDARIES

### Communities ▾



# Dave's Redistricting App (DRA 2020)

[davesredistricting.org](http://davesredistricting.org)

The screenshot displays the DRA 2020 interface for Virginia's 2020 Congressional districts. The main map shows the state of Virginia divided into 11 districts, with District 1 highlighted in red. The interface includes a sidebar with a District Selector, a District Details panel, and a map control panel.

**Virginia** 2020 Congressional

**District 1** (Population: 795,003, Deviation: 26,441)

District	Population	Deviation
1	795,003	26,441
2	738,299	-30,263
3	739,924	-28,638
4	770,701	2,139
5	735,164	-33,398
6	753,784	-14,778
7	784,011	15,449
8	798,052	29,490
9	707,442	-61,120
10	837,908	69,346
11	794,175	25,613

**District Details for District 1**

**Total Population 2019**

Group	Pop	%
Total	795,003	100.0%
White	529,783	66.6%
Hispanic	79,620	10.0%
Black	149,320	18.8%
Asian	37,073	4.7%
Native	9,277	1.2%
Pacific	1,983	0.2%

**Citizen VAP 2019**

Group	Pop	%
Total	577,506	100.0%
White	414,651	71.8%
Hispanic	35,611	6.2%
Black	102,110	17.7%
Asian	18,182	3.1%
Native	5,057	0.9%
Pacific	378	0.1%

**Composite 2012-2018**

Party	Votes	%
Democratic	145,051	44.9%
Republican	171,585	53.1%
Other	6,759	2.1%

© 2021 Dave's Redistricting, LLC. © Mapbox © OpenStreetMap Improve this map.



# DRA 2020

[davesredistricting.org](http://davesredistricting.org)

+ New Map+ New Community↩ Import

Community of Interest Settings ^

Name

---

State ▼

---

Plan Type Community ▼

---

Description (tell about your community)

---

Data Selector ▼

APPLYCANCEL

---

Data Selector ^

---

Primary Datasets

Select primary datasets, one from each group, which will be used by District Statistics, Demographics Colors and Partisan Lean Colors. Selecting **Latest** Census/Voting Age data means your dataset will be 2019 data now, and updated automatically to 2020 data when available.

Shapes 2020 Precincts

---

Census Latest Total Population ▼

---

Voting Age Latest Voting Age Pop ▼

---

Election Composite 2012-2018 ▼

---

Display or Hide Datasets

Show or hide datasets in the Details panels. These choices are for **viewing only** and are not used by District Statistics, Demographics Colors or Partisan Lean Colors.

Choose Datasets ▼

Hide Election Data

APPLYCANCEL

Virginia ▾  
 1 795,003 26,415

District Selector			
District	Population	Deviation	
Un	0	0	
1	795,003	26,415	
2	738,299	-30,289	
3	739,924	-28,664	
4	770,701	2,113	

Colors

Overlays

- Background Map
- District Lines  Labels
- Precinct Lines  Labels ▾
- County Lines  Labels
- City Lines  Landmarks

Custom Overlays

Overlays ⚙️

Communities

County ▾  
 Precinct Block

District Details

1

Total Population 2019

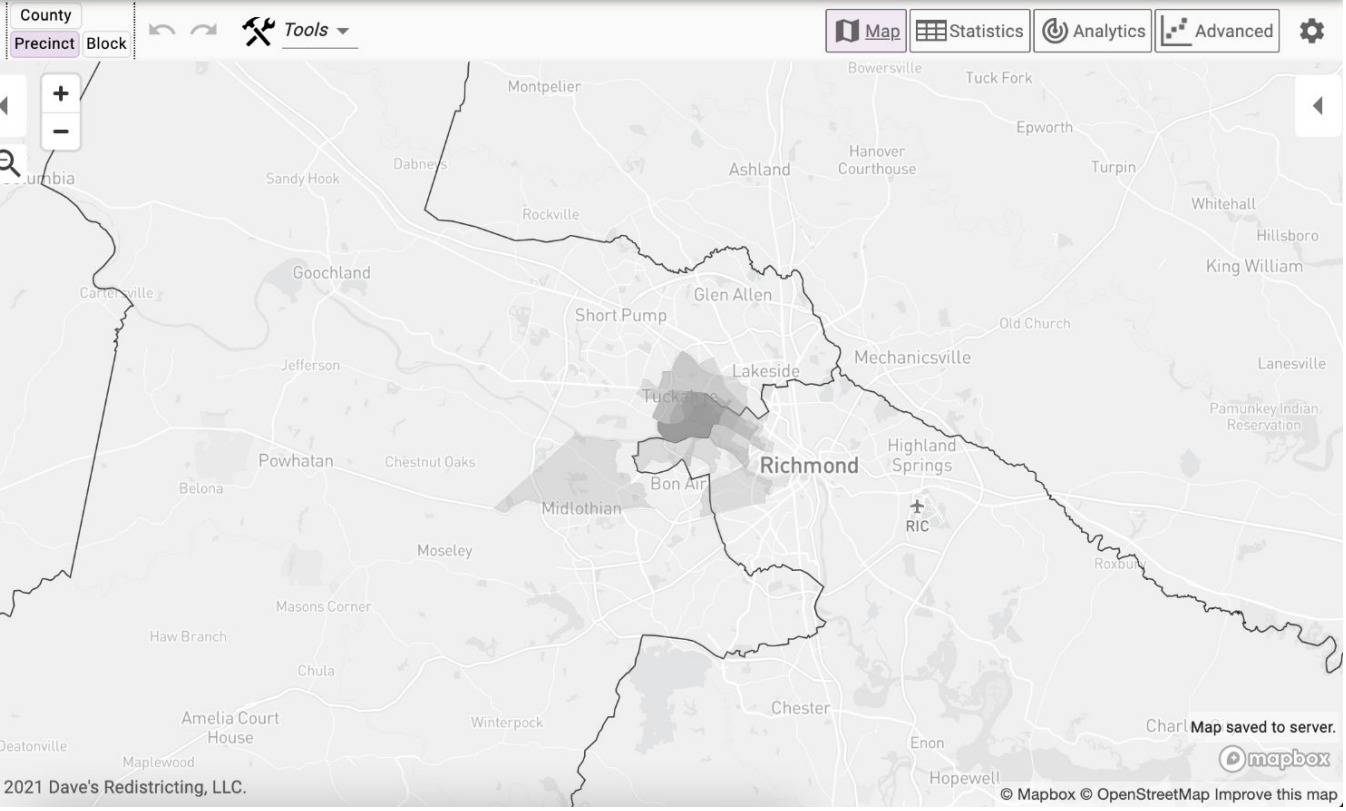
	Pop	%
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Composite 2012-2018

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Map saved to server.





## Virginia

Draw Districts

Draw Communities

### Draw a plan from scratch

Statewide

Cities

Virginia

11 Congressional Districts  
Built out of precincts

Virginia

40 State Senate Districts  
Built out of precincts

Virginia

100 House of Delegates Districts  
Built out of precincts

Draw Districts

Draw Communities

### Draw your community

Statewide

Cities

Virginia

Identify a community  
Built out of block groups

Virginia

Identify a community  
Built out of precincts

# Districtr

[districtr.org](http://districtr.org)



Navigation icons: Home, Edit, Layers, Search, Save, and Menu.

**Drawing** | Data Layers | Evaluation

## Areas of Interest

SELECT

Community 1

NAME

Community 1

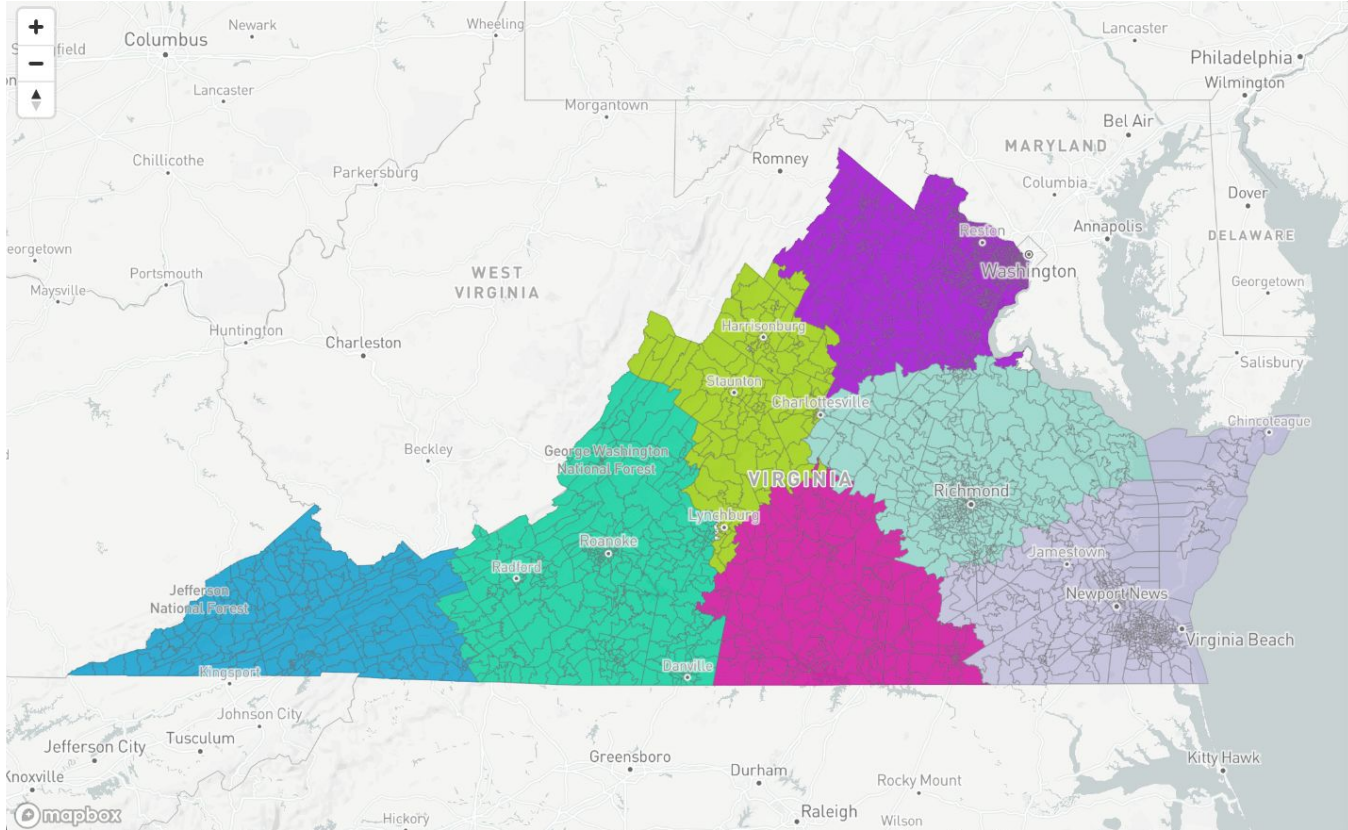
Describe this community

These details are updated automatically

## Important Places

# Districtr

[districtr.org](https://districtr.org)



Hand icon, Pencil icon, Eraser icon, Search icon, Saved button, Menu icon

**Your plan has been saved!** X  
You can share your current plan by copying this URL:  
<https://districtr.org/plan/19441>  
Copy

Tag or Event Code   Save as Draft

Team or Plan Name

Tag your map

356,021
902,659
470,493
237,499
<b>2,785,555</b>
1,423,069
1,793,017

Ideal: 727,365.82

# DistrictBuilder

[districtbuilder.org](https://districtbuilder.org)

Virginia

Share Support Export Find

Districts

Counties Blockgroups Blocks LABELS: Select...

Number	Population	Deviation	Race	Comp.
∅	8,001,024	+8,001,024		-
1	0	-727,366		-
2	0	-727,366		-
3	0	-727,366		-
4	0	-727,366		-
5	0	-727,366		-
6	0	-727,366		-
7	0	-727,366		-
8	0	-727,366		-
9	0	-727,366		-
10	0	-727,366		-
11	0	-727,366		-

mapbox © Mapbox © OpenStreetMap Improve this map.

# Maptitude for Redistricting Online

[caliper.com/Redistricting/Online\\_Redistricting.htm](http://caliper.com/Redistricting/Online_Redistricting.htm)

The screenshot displays the Mapitude for Redistricting Online interface. At the top, there are navigation links: "Plan Actions", "My Plans", "Help", "Contact", and "Logout". Below this is a menu bar with options: "Reports", "Plan Integrity", "Find", "Print Map", "Email Plan", "Share Plan", and "Submit Plan".

The main map area shows a geographic region with a red-shaded district boundary. The map includes a legend on the left and a "Toolbox" on the right. The toolbox is titled "Redistricting Toolbox - My Senate Plan August 22 2017" and contains several controls: "Target" set to 41, "Source" set to 43, "Selection" set to "Census Block", and "Theme" set to "None".

At the bottom left, there is a "Districts" panel with a table showing the following data:

Districts in Plan: 50; Target: 50; Ideal Population: 190,710						
District	[Total Pop]	Deviation	% Deviation	White	% White	Black
01	196,865	5,955	3.1%	131,460	66.8%	56,36
02	183,118	-7,592	-4.0%	141,819	77.4%	29,86
03	182,039	-8,671	-4.5%	89,912	49.4%	82,68
04	192,477	1,767	0.9%	86,035	44.7%	93,23
05	188,510	-1,200	-0.6%	109,925	58.0%	65,22

At the bottom right, there is a "Changes" panel with a table showing the following data:

Pending Changes		
District	41	43
[Total Pop]	190,707	190,500
Change - [Total Pop]	6,535	-6,535
Ideal Value	190,710	190,710
Deviation	-3	-210
% Deviation	-0.0%	-0.1%
White	141,265	148,182
Change - White	5,178	-5,178

The bottom of the interface shows a scale of 1 : 80,603 and the text "Mapitude Online Redistricting".

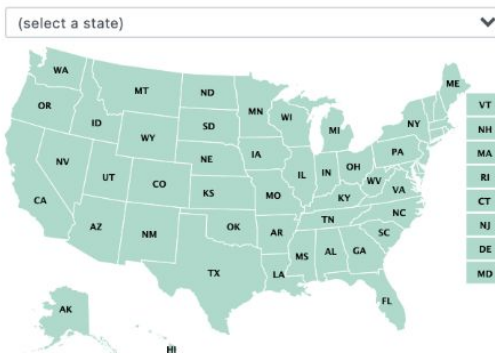
# Redistricting should be about community representation

We have the data, tools, and expertise to help you ensure your community is represented

## Access Data

We have relevant Census and American Community Survey (ACS) tables, election results matched to precinct boundaries, population projections, and much more.

Select a state to download data



Highcharts.com

Get Involved



# Key Dates

Census data PL 94-171 release date:

- September 30

Census data legacy file release date:

- Mid- to late-August
- Untabulated summary files

RDH will be processing the legacy files nationwide and releasing those publicly for people to use!

# Redistricting Data Hub

**Website:** [redistrictingdatahub.org](https://redistrictingdatahub.org)

**RDH contact info:** [info@redistrictingdatahub.org](mailto:info@redistrictingdatahub.org)

**My info:** [angel@redistrictingdatahub.org](mailto:angel@redistrictingdatahub.org)