

# Congressional Maps 2022

The following set of maps were created to illustrate it is possible, with a minimal population deviation, to keep every municipality in Pennsylvania whole.

## Primary Priorities:

1. All municipalities whole (except Philadelphia, which exceeds the size of a congressional district)
2. Creating 2 majority minority districts in Philadelphia while minimizing the division of Philadelphia wards.
3. Minimum county divisions
4. Equal population (as close to zero while achieving the above goals)
5. Demonstrating a variety of district configurations.

## Secondary Considerations:

1. School district boundaries
2. Compactness

These priorities and considerations were applied to the maps as follows:

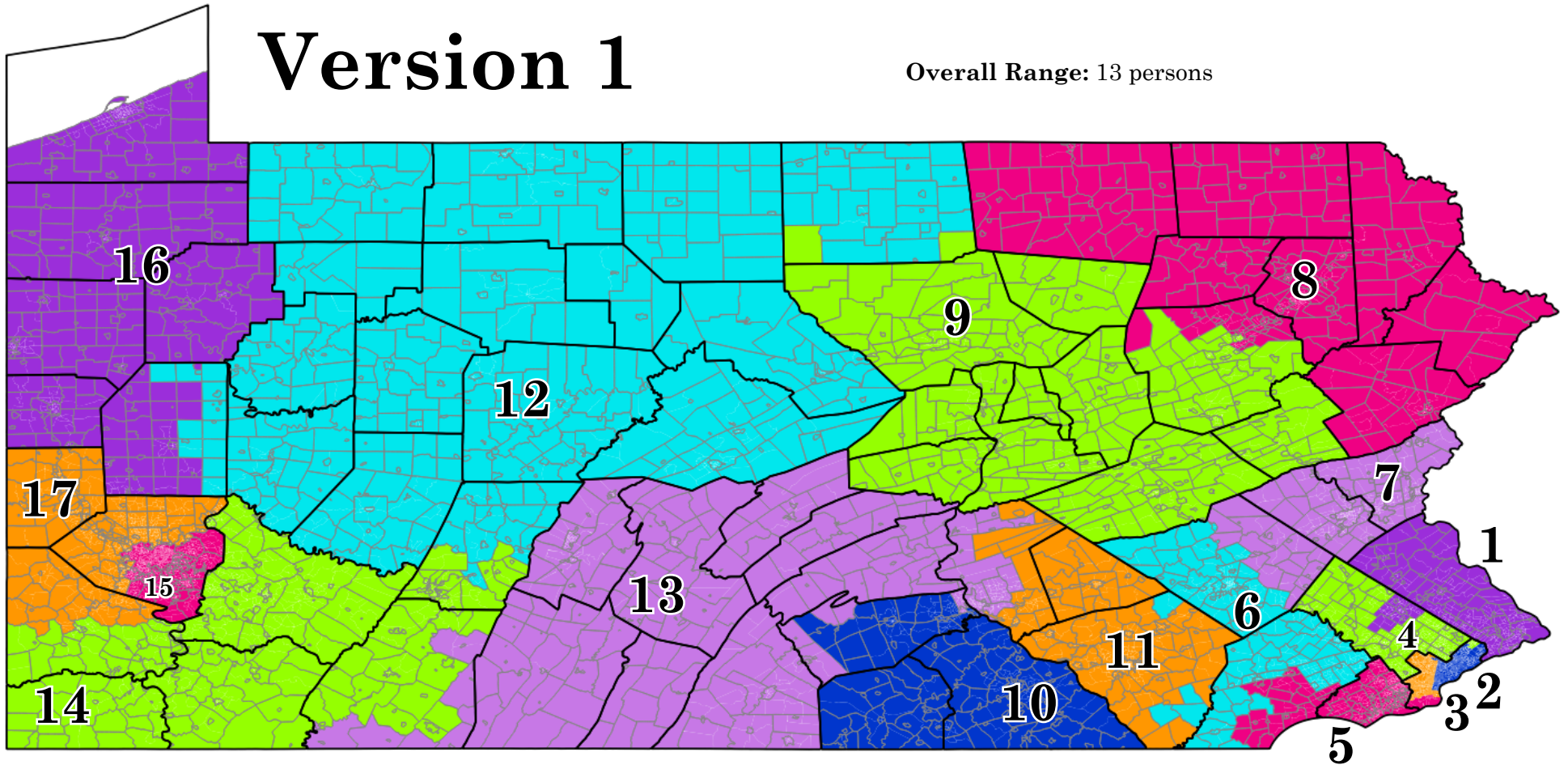
Version	County divisions	Total Splits	Philly Ward Splits	Target Overall Population Range
1	No more than 14*	No more than 16	3 Wards	As close to zero as possible
2	Less than 14	Less than 16	2 Wards	No more than 200
3	No more than 14	No more than 16	2 Wards	No more than 100
4	No more than 14	No more than 16	3 Wards	No more than 50

\* 14 county divisions (16 total splits) seemed to be a common outcome in maps configuration.

Some district configurations are interchangeable between maps.

# Version 1

Overall Range: 13 persons



## Splits

	Places Split	Total Splits
County	14	16
Municipality	1 (Philly)	3
Ward	3	3
Precincts	0	0

## Minority Districts

District	White	Hispanic	Black	Asian	Other
2	39.4%	22.1%	26.3%	9.7%	2.6%
3	33.4%	5.2%	51.1%	7.9%	2.4%

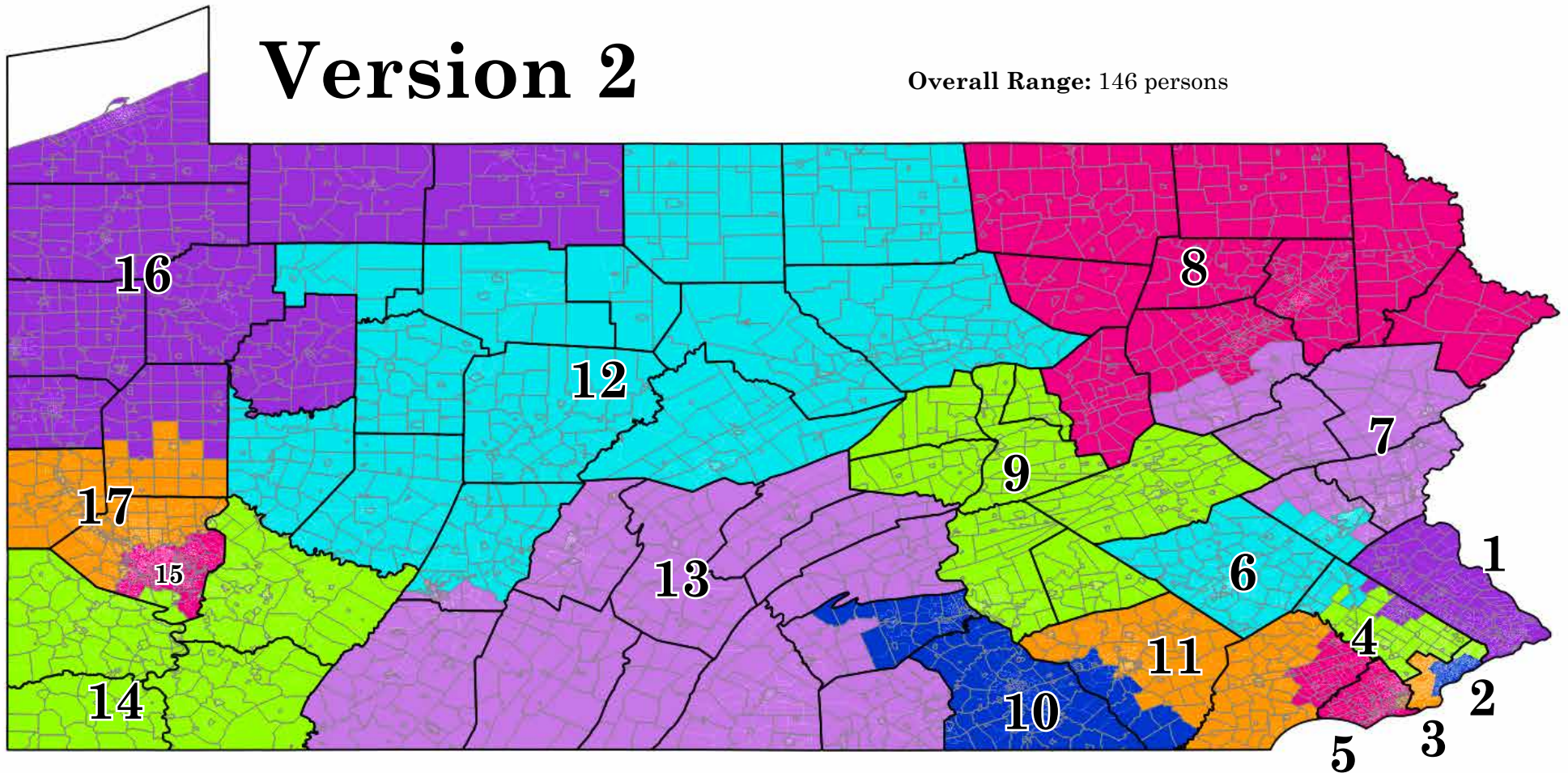
## Population

District	Population	Deviation
1	764,862	-3
2	764,866	1
3	764,863	-2
4	764,862	-3
5	764,867	2
6	764,867	2
7	764,869	4
8	764,863	-2
9	764,861	-4

District	Population	Deviation
10	764,872	7
11	764,862	-3
12	764,861	-4
13	764,865	0
14	764,863	-2
15	764,870	5
16	764,859	-6
17	764,868	3

# Version 2

Overall Range: 146 persons



## Splits

	Places Split	Total Splits
County	11	14
Municipality	1 (Philly)	2
Ward	2	2
Precincts	0	0

## Minority Districts

District	White	Hispanic	Black	Asian	Other
2	35.8%	22.3%	30.0%	9.3%	2.6%
3	34.3%	4.8%	50.7%	7.8%	2.4%

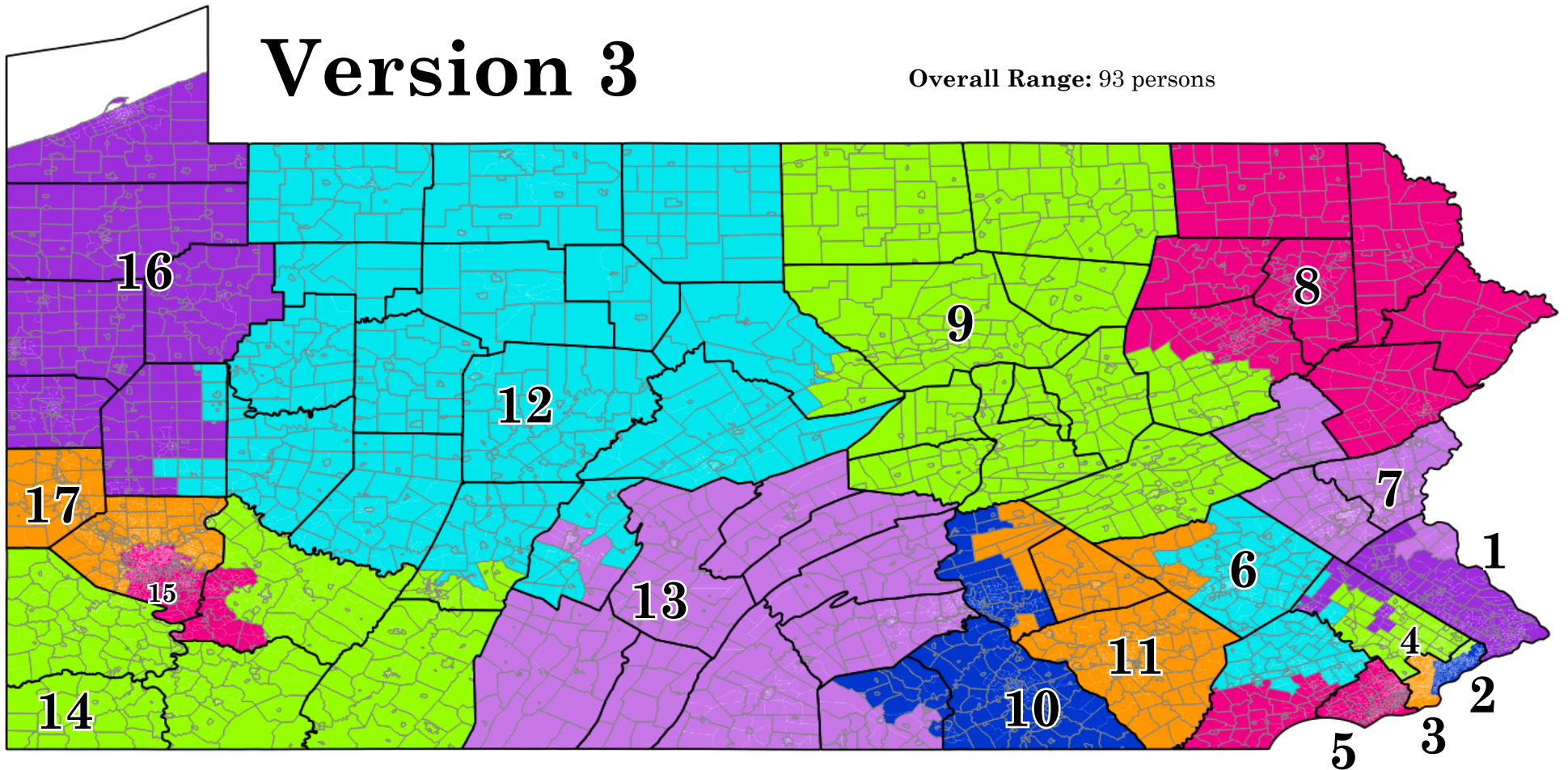
## Population

District	Population	Deviation
1	764,771	-94
2	764,865	0
3	764,891	26
4	764,917	52
5	764,884	19
6	764,858	-7
7	764,776	-89
8	764,805	-60
9	764,907	42

District	Population	Deviation
10	764,858	-7
11	764,844	-21
12	764,868	3
13	764,880	15
14	764,885	20
15	764,888	23
16	764,897	32
17	764,906	41

# Version 3

Overall Range: 93 persons



## Splits

	Places Split	Total Splits
County	14	16
Municipality	1 (Philly)	2
Ward	2	2
Precincts	0	0

## Minority Districts

District	White	Hispanic	Black	Asian	Other
2	39.5%	22.3%	26.0%	9.5%	2.6%
3	33.1%	5.0%	51.6%	7.9%	2.4%

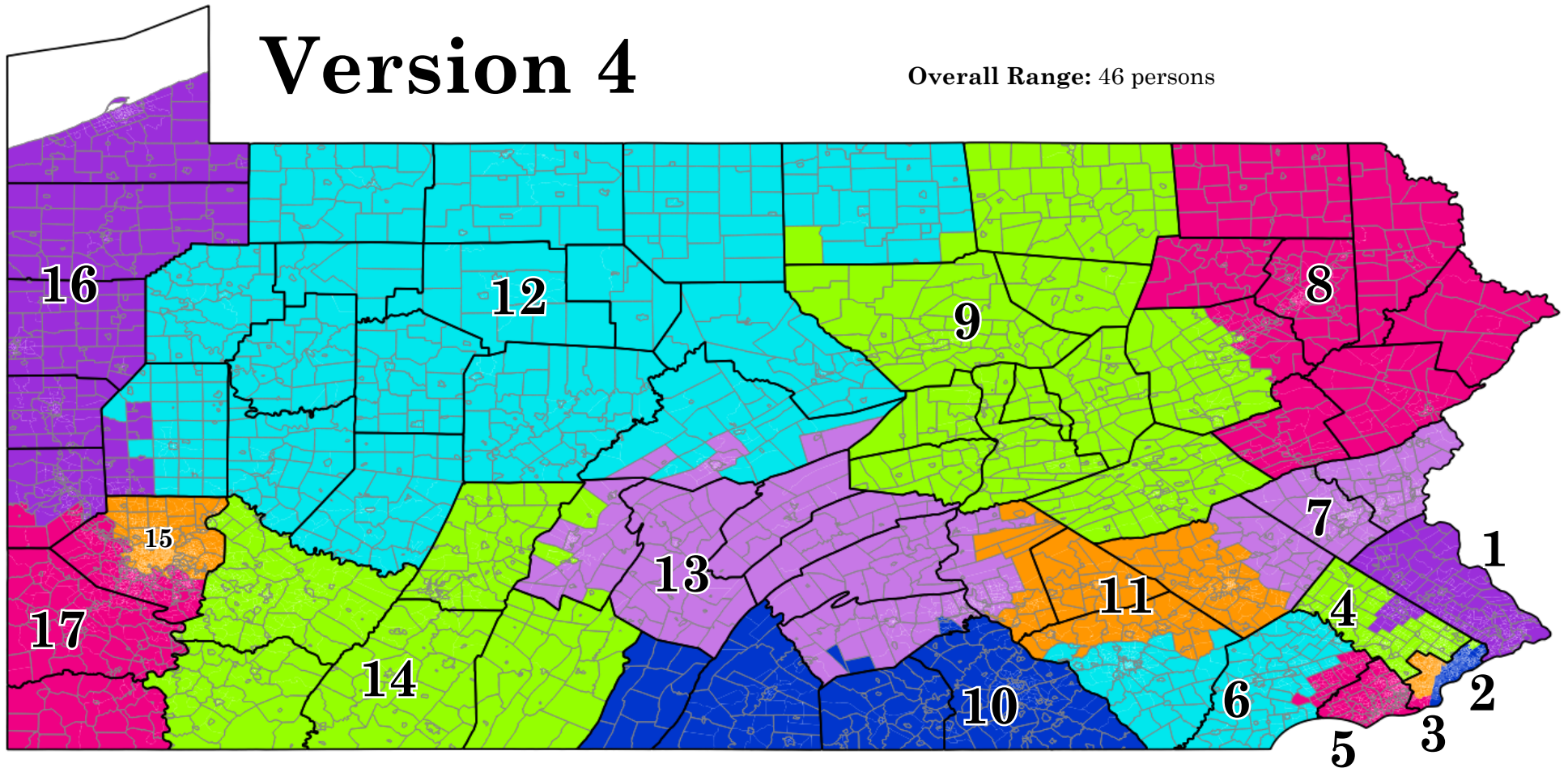
## Population

District	Population	Deviation
1	764,910	45
2	764,846	-19
3	764,863	-2
4	764,856	-9
5	764,895	30
6	764,849	-16
7	764,829	-36
8	764,903	38
9	764,889	24

District	Population	Deviation
10	764,885	20
11	764,871	6
12	764,834	-31
13	764,821	-44
14	764,899	34
15	764,842	-23
16	764,891	26
17	764,817	-48

# Version 4

Overall Range: 46 persons



## Splits

	Places Split	Total Splits
County	14	16
Municipality	1 (Philly)	2
Ward	3	3
Precincts	0	0

## Minority Districts

District	White	Hispanic	Black	Asian	Other
2	46.5%	21.1%	18.8%	11.1%	2.6%
3	28.1%	6.2%	56.2%	6.9%	2.5%

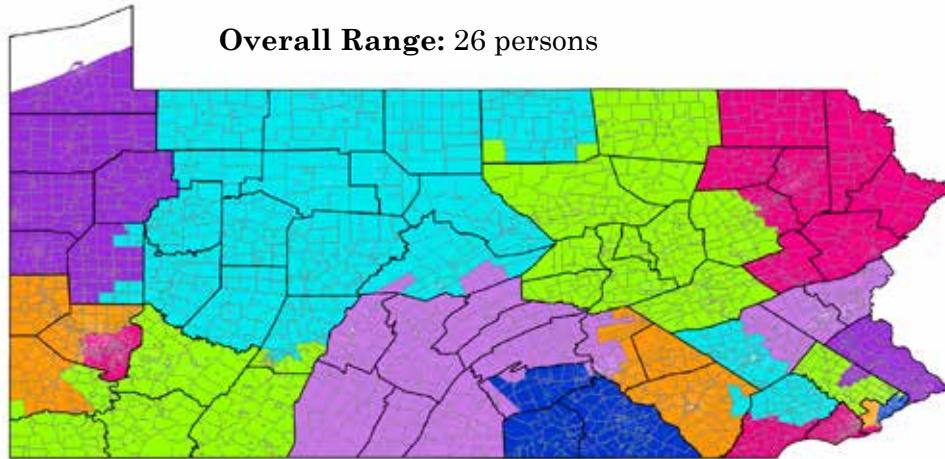
## Population

District	Population	Deviation
1	764,862	-3
2	764,856	-9
3	764,871	6
4	764,862	-3
5	764,859	-6
6	764,852	-13
7	764,869	4
8	764,854	-11
9	764,870	5

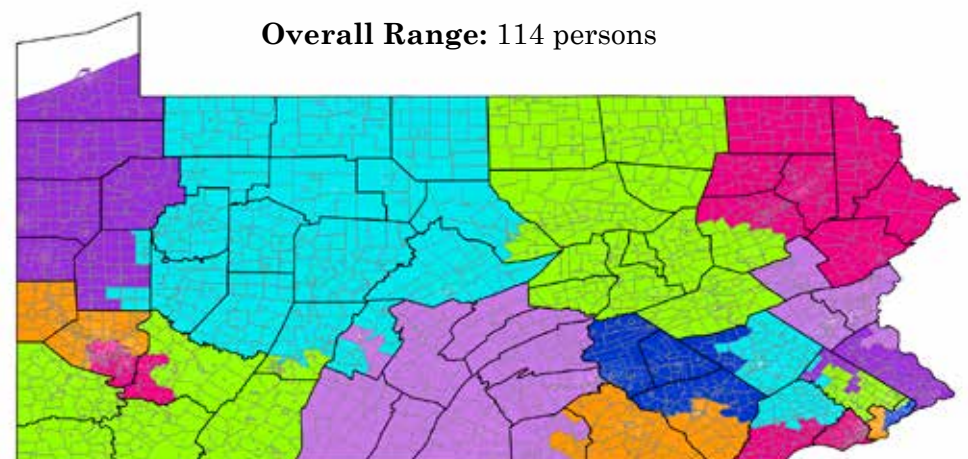
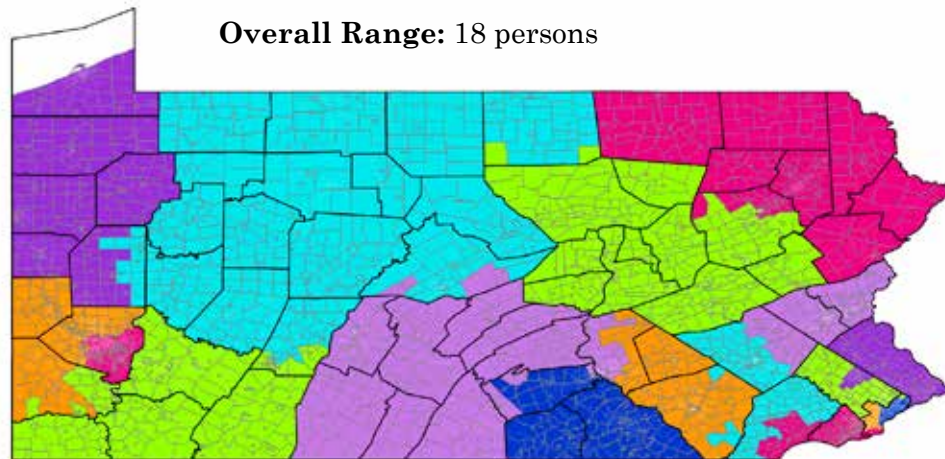
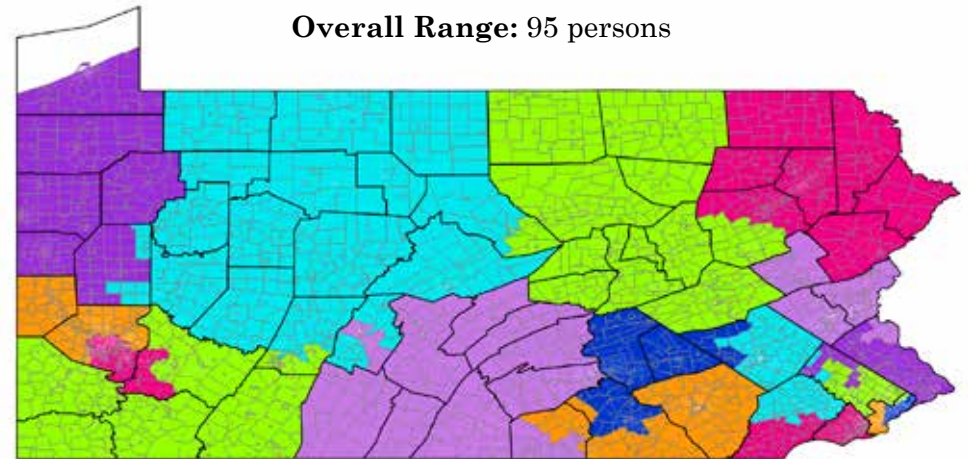
District	Population	Deviation
10	764,844	-21
11	764,887	22
12	764,867	2
13	764,890	25
14	764,848	-17
15	764,862	-3
16	764,876	11
17	764,871	6

# Map Variations

## Based on Version 1



## Based on Version 3



# Starting Map

