**Documentation for examining tracts and removing errors and non-applicable tracts from analysis**

Some tracts need to be removed from the analysis because they resulted from inconsistencies in the crosswalk or entirely encompass large institutions such as airports and military bases and thus are not impacted by general neighborhood change dynamics.

Step 1: Search for “odd tracts” in the initial dataset (“odd\_tracts” dataframe in script)

1. Filter for tracts that have “NAs” in population fields due to lack of continuity from 2000 to 2019
2. Filter for tracts that have fewer than 1,000 in population in 2019. Tracts are supposed to have at least 1200 people, although they may not meet this threshold anymore by the end of the decade. Tracts with fewer than 1,000 people are suspicious.
3. Filter for tracts that have fewer than 10 people in 2000, which would indicate a potential misallocation from the crosswalk.

Step 2: Examine tracts individually do determine if they warrant removal.

Below are results of individual analysis of tracts.

**Tracts removed from analysis**

Washington DC

11001006202 – National Lawn and White House – pop of 58 in 2019, no pop in 2000.

Calvert County

24009990100 – All water, no population.

Charles County

24017990000 – All water, no population.

Arlington County

51013980100 – Arlington National Cemetery

51013980200 – Reagan Airport

Fairfax

51059980100 – Fort Belvoir

51059980200 – Fairfax Section of Dulles

51059980300 – CIA Headquarters

Loudoun

51107980100 – Loudoun section of Dulles

Prince William

51153980100 - Quantico

**Tracts outside of DC MSA that got picked up in crosswalk**

24003708001

51069050700

51113930100

51171040400

**Tracts not in identified in “odd tracts” list but removed from analysis because they are entirely military or university institutional land**

51630000301 – University of Mary Washington Tract – encompasses the University and shows up as “abandonment” probably due to misallocation from Tract split. Only students would live there.

51153901100 – Quantico

51179010201 – Quantico

51059416200 – Fort Belvoir

51059421900 – Fort Belvoir

24033801104 – Andrews Air Force Base

**Tracts Retained in Analysis**

24031700718 – King Farm neighborhood; confirmed with Montgomery Planning and City of Rockville Officials that it was previously farmland and went from no housing to over 6,000 people in this time period.

51059481101 – newly created tract near Dulles where a lot of development happened, so its large increase is likely accurate.

51510200701 – Looks like new development at “Alexandria West.” Perhaps not a completely accurate population count (757) or it hasn’t grown as expected. Does not warrant being removed.