\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Memorandum**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

To: Derek Wu, Neil Cholli

From: Dylan Craig

Date Created: 12/26/2024

Subject: Data Analysis Memo on Zip Treatment Status

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Purpose:** To provide analysis on a map of Zip Treatment status

**Note:** For information on variable designation, see data management memo

**Findings:**

A map of the state of virginia

Description automatically generated

As expected, treated zip codes cluster around county borders, which makes sense since these areas tend to be farther from VDSS local offices (assuming offices are typically located near the center of counties). We see partially treated zip codes exclusively on county edges, which serves as a good sanity check - interior zip codes wouldn't span multiple counties. The data shows an approximately even split between treated and non-treated zip codes, aligning with our treatment definition being based on above/below median values.