**Dental Care Supply**

**Virginia (VA) Notes**

**by Chris Larkins**

* I used the VA file from the dropbox for the BOD dentists. The file was collected on 7.26.19. Because the file required payment, the file from 7.26.19 was used rather than a more updated file.
* The “IKN\_processed.csv” file and “[NP\_national\_w\_extra\_col\_2n.csv](http://localhost:8888/view/Dental%20Care%20Supply/NP_national_w_extra_col_2n%20(1).csv)” files were used
* Anything that mentioned “hygienist” was disregarded according to recept dropbox updates.
* I used the PA/IL code/process on dropbox to help formulate my code for VA.
* The final FTE sum of dentists from the MED + BOD is 5,731 (5,680 unique). The 2018 ADA value of dentists for VA is 5,336.
* This original BOD file from 7.26.19 includes:
  + 7,418 rows of Dentists, without any hygienists.
  + All the BOD dentists have active licences as of July 2019.
  + 5749 (78%) rows have a VA BOD address.
    - 10 rows have null BOD\_state values.
  + The Columns Headers Include:
    - *BOD\_lic\_no BOD\_Occupation BOD\_Full\_Name BOD\_addr1 BOD\_addr2 BOD\_city BOD\_state BOD\_zip BOD\_issue\_date BOD\_expire\_date BOD\_subject\_to\_a\_proceeding*
  + Many rows were edited immediately before any analysis where the address line 1 included the name of the location or office and the address line 2 included the actual address. For these rows, the addresses were fixed so that the address line 1 included a mailing address. This did not fix all address issues.
  + There is only a *BOD\_Full\_Name* column. This column was split using the Excel “Text to Column” function by delimiting with a space. Individual errors were addressed as many names did not fit the common form of “First Name”\_”Middle Name/Initial”\_”Last Name”\_Suffix.
* The IKN-NPPES NPI match rate was 96%.
* The IKN-NPPES NAME match rate was 90%.
* Overall IKN-NPPES match rate was 97%
* The overall IKN match rate was 89%.
* After Exclusions, there were only MEDICAID values.
* Geocoding was completed immediately after the multinomial step for the BOD stand-alone process. From the geocoding, two rows indicated errors. After investigation, the rows contained out-of-state addresses, and were thus removed from the dataset.