Total Medicare Lab Cost Report

# Final file

Create dataset at the state, age group, and gender level. Count the total number of lab claims and total cost of those lab claims.

# Data Sources

|  |  |
| --- | --- |
| Library | Dataset Name |
| CMMI\_MD | NTL\_ADDR\_2019 |
| MBSF | MBSF\_ABCD\_2019 |
| RIF2019 | OUTPATIENT\_CLAIMS\_1-12 |

# Methodology

1. Using the NTL\_ADDR file, identify the state that a beneficiary resided in for each month of 2019
   1. Variables to use: bene\_id, bene\_state\_cd, efctv\_dt, end\_dt
   2. We’re interested in Maryland beneficiaries (state code = “21”), so categorize the states as ‘Maryland’ vs “everything else”
2. Using the MBSF\_ABCD file, determine a beneficiary’s age and gender
   1. Variables to use: bene\_id, AGE\_AT\_END\_REF\_YR, SEX\_IDENT\_CD
   2. Age groups: <65, 65-74, 75-84, 85+
   3. Gender: 1 = Male, 2 = Female, everything else = Other
3. Again, using the MBSF\_ABCD file, determine the following for each month of 2019:
   1. If the beneficiary is part A enrolled, part B enrolled, both A and B enrolled, or part C enrolled
      1. Use the MDCR\_ENTLMT\_BUYIN\_IND for Part A/B enrollment for each month:
         1. 3, C = A and B enrolled
         2. 1, A = A enrolled
         3. 2, B = B enrolled
      2. Use HMO\_IND monthly var for part C enrollment:
         1. 0, 4 = not Part C
         2. Everything else = part C enrolled
4. Merge your output together to create a single file that contains the bene\_id, gender, age group, state for each month, and enrollment for each month
5. Using the Outpatient\_Claims data, identify the lab claims:
   1. Variables to use: bene\_id, CLM\_PMT\_AMT, CLM\_FAC\_TYPE\_CD, CLM\_SRVC\_CLSFCTN\_TYPE\_CD
   2. Create a ‘bill type’ variable by concatenating the CLM\_FAC\_TYPE\_CD and CLM\_SRVC\_CLSFCTN\_TYPE\_CD variables
   3. If the bill type is 13 or 14, then the claim is a lab claim
   4. Count the total number of lab claims and sum the lab cost for each beneficiary
6. Merge your beneficiary file with lab claim and lab costs with the file created in step 4
7. Summarize the step 6 dataset at the state, age group, and gender level to create final dataset and export to Excel
8. Use a pivot table on your final dataset to display your results in a useful way. We want this table to be flexible so, if the client wants to see lab cost for particular age group of gender, they can easily do so. However, at the same time, we don’t want the table to be too big with too much information.