

Homework 1

Research Methods, Spring 2025

Sammy Ramacher

Building the Data

Answer the following based on our initial, simplified dataset of enrollments, plan types, and service areas:

1. Provide a table of the count of plans under each plan type in each year.

See [Table 1](#).

Table 1: All plan types in 2015

Plan Type	Count
HMO/HMOPOS	18,086
Local PPO	14,258
Regional PPO	7,382
1876 Cost	4,906
PFFS	3,180
Medicare-Medicaid Plan HMO/HMOPOS	874
National PACE	653
MSA	222

2. Remove all special needs plans (SNP), employer group plans (eghp), and all “800-series” plans. Provide an updated table after making these exclusions.

I remove the relevant plans just by applying the relevant filter to the full ma data and then creating the table of plan types. Counts of different plan types with these exclusions are presented in Table 2.

Table 2: Revised plan types in 2015

Plan Type	Count
HMO/HMOPOS	18,086
Local PPO	14,258
Regional PPO	7,382
1876 Cost	4,906
PFFS	3,180
Medicare-Medicaid Plan HMO/HMOPOS	874
National PACE	653
MSA	222

3. Provide a table of the average enrollments for each plan type in 2015.

To do this, I need to collapse the data to the plan-type level and form the average enrollments across all counties in which that plan type operates. The resulting table is presented in Table 3.

Table 3: Enrollments by plan type in 2015

Plan Type	Count	Avg Enrollments
HMO/HMOPOS	18,086	971
Local PPO	14,258	317
Regional PPO	7,382	201
1876 Cost	4,906	230
PFFS	3,180	125
Medicare-Medicaid Plan HMO/HMOPOS	874	880
National PACE	653	149
MSA	222	108