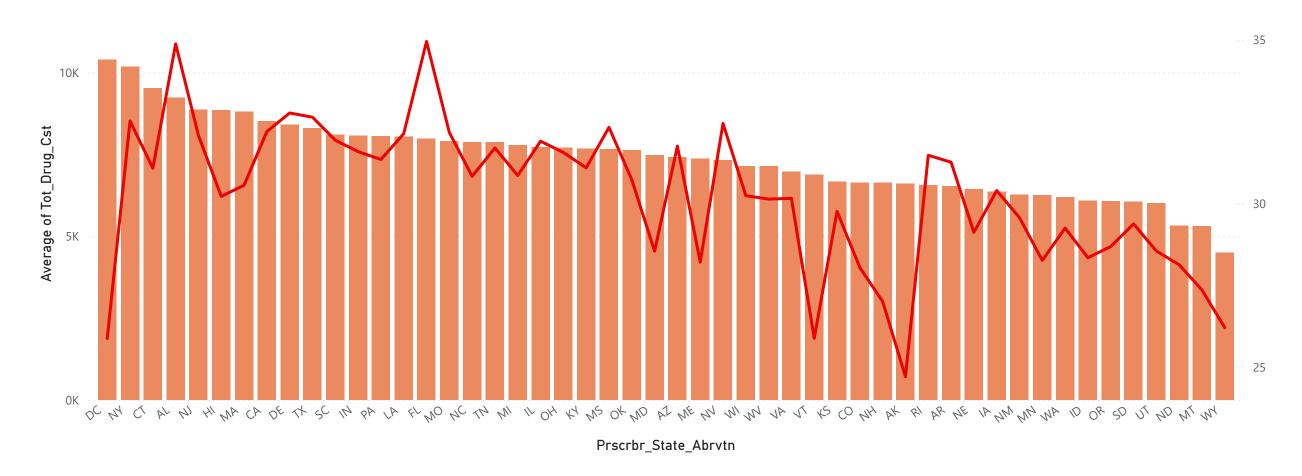# Average Drug Cost and Benefits at US State Levels

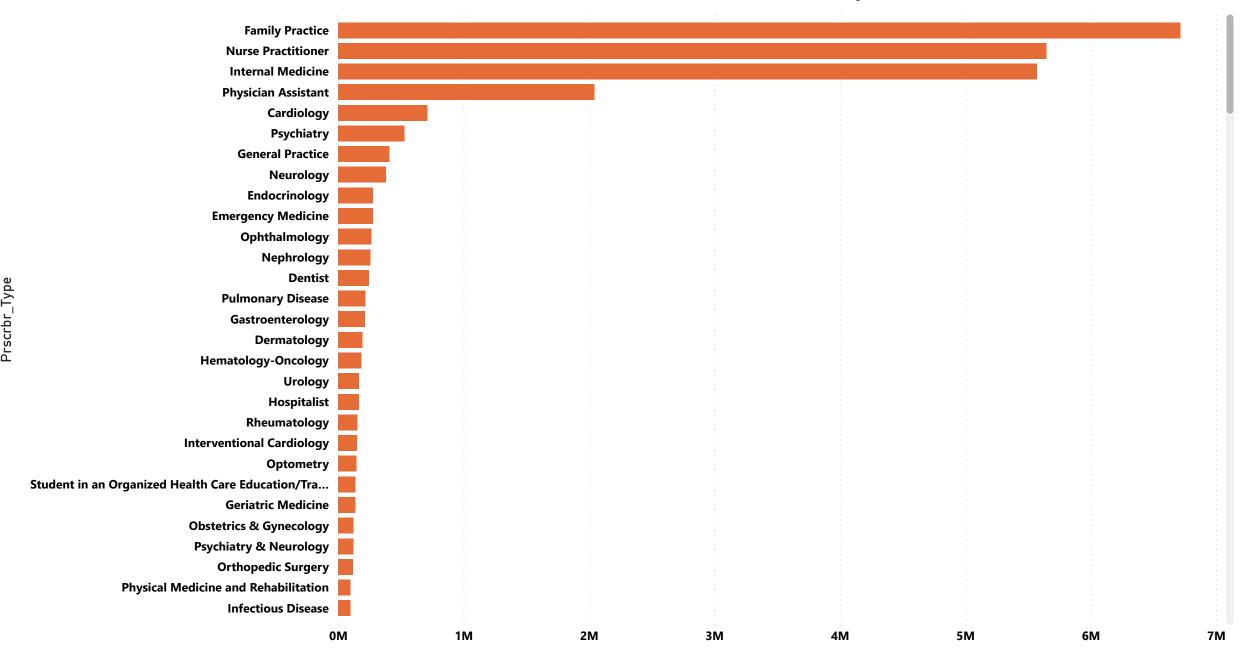● Average of Tot_Drug_Cst ● Average of Tot_Benes

This visualization compares average Medicaid drug costs and total benefit distributions across U.S. states, revealing distinct geographic patterns. States like DC, New York, and Connecticut show the highest average drug costs, likely reflecting regional pricing structures, formulary differences, and urban healthcare dynamics.
In contrast, Florida leads in total Medicaid benefits, which may correlate with its larger elderly population, higher enrollment rates, and broader coverage needs.
The juxtaposition of cost and benefit levels invites deeper exploration into state-level policy, demographics, and prescribing trends which is setting the stage for the prescriber and correlation analyses that follow.

A Snapshot of the Prescribers

Some of the Prescribers will be combined or removed in future Analysis/Visuals

Prscrbr_Type

Prscrbr_Type	
Family Practice	
Nurse Practitioner	
Internal Medicine	
Physician Assistant	
Cardiology	
Psychiatry	
General Practice	
Neurology	
Endocrinology	
Emergency Medicine	
Ophthalmology	
Nephrology	
Dentist	
Pulmonary Disease	
Gastroenterology	
Dermatology	
Hematology-Oncology	
Urology	
Hospitalist	
Rheumatology	
Interventional Cardiology	
Optometry	
Student in an Organized Health Care Education/Tra...	
Geriatric Medicine	
Obstetrics & Gynecology	
Psychiatry & Neurology	
Orthopedic Surgery	
Physical Medicine and Rehabilitation	
Infectious Disease	

0M   1M   2M   3M   4M   5M   6M   7M

Quick Look of "Claims vs. Benefits" and Top Drugs

Initial findings show a strong, direct correlation between total benefits and total cost.

To explore this further, I filtered out the top 10 drugs; see chart on top right.

After rerunning the correlation analysis, the relationship becomes more nuanced and slightly less linear. However, a meaningful correlation still persists, suggesting consistent cost dynamics even beyond high-volume prescriptions.

Claims vs Benefits

Y-axis: Tot_Clms (0.0M, 0.1M, 0.2M, 0.3M)
X-axis: Tot_Benes (0.0M, 0.2M)

Type Drugs (Generic Names)

Gnrc_Name	
Metformin Hcl	
Levothyroxine Sodium	
Atorvastatin Calcium	
Gabapentin	
Amlodipine Besylate	
Albuterol Sulfate	
Lisinopril	
Losartan Potassium	
Pantoprazole Sodium	
Prednisone	

X-axis: Count of Gnrc_Name (0.0M, 0.2M, 0.4M)

Claims vs. Beneficiaries (with Drug Type)

Gnrc_Name: Albuterol Sulf..., Amlodipine ..., Atorvastatin ..., Gabapentin, Levothyroxi..., Lisinopril, Losartan P..., Metformi..., Pantopraz..., Prednisone

Y-axis: Tot_Clms (0K, 5K, 10K)
X-axis: Tot_Benes (0, 500, 1000, 1500, 2000)