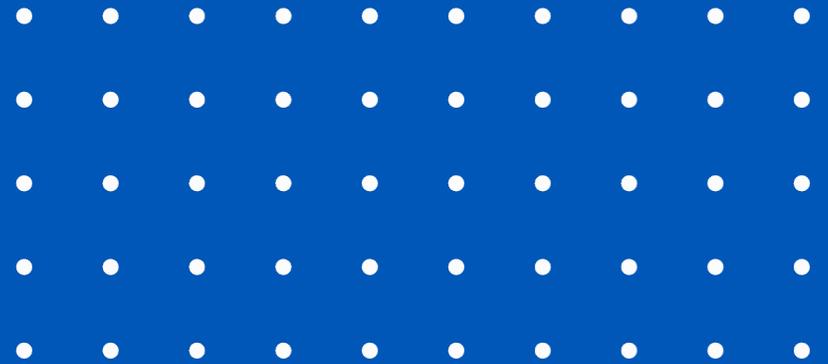


Data in Action:

Report on Chronic Disease in DE Juxtaposed Against Health Care Workforce Data

September 24, 2025

Lauren Olson



Introduction

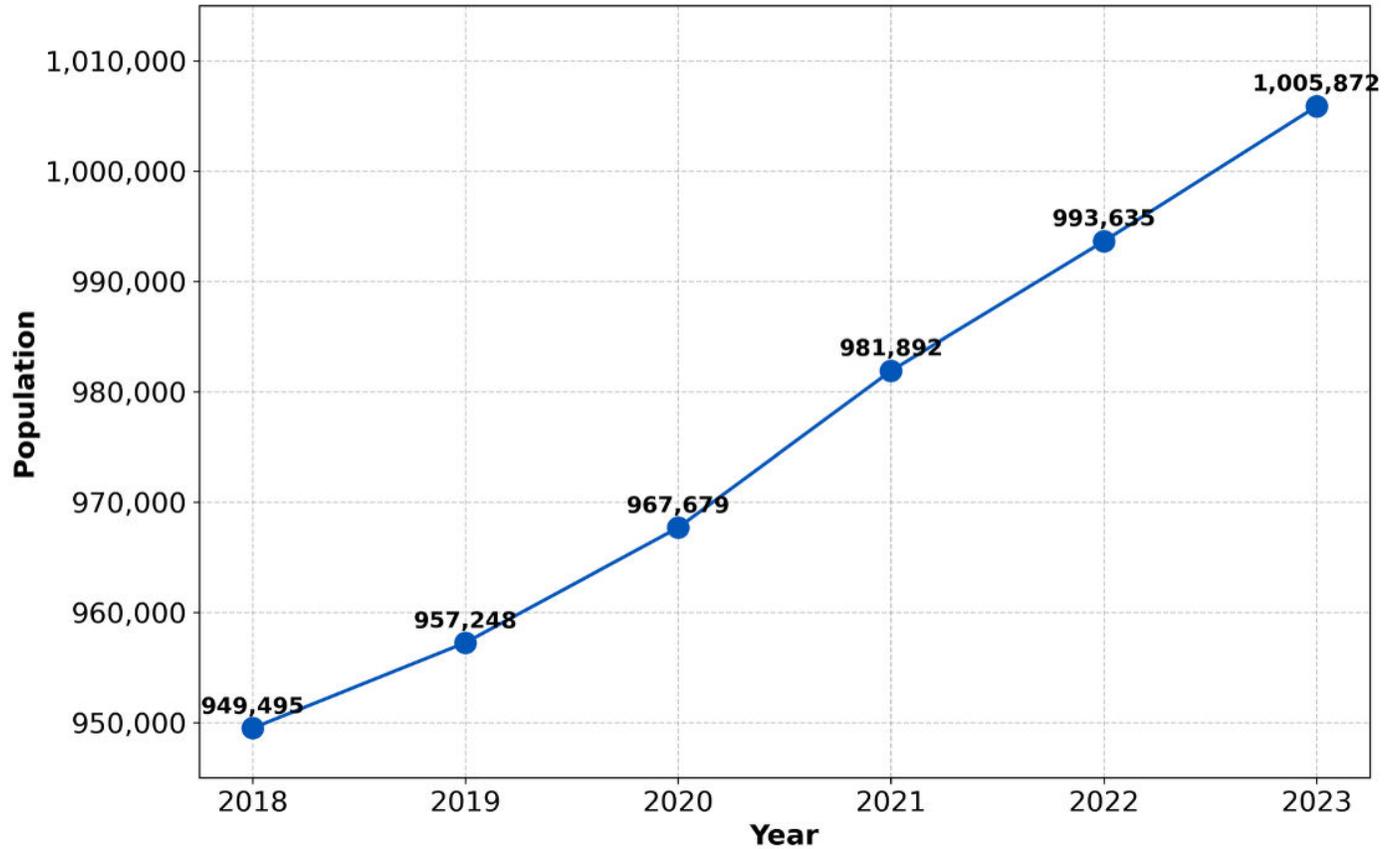
Health Care in the State of DE

Chronic Disease in the State of DE

Agenda

Delaware's Population is Increasing

Delaware Population by Year



Can we understand how current health care needs and workforce availability relate to the population?



Chronic Disease - conditions that last 1 year or more and require ongoing medical attention or limit activities of daily living or both

As defined by the CDC¹

Delaware Health Care Claims Data



Reported to DHIN
from health
insurers

Delaware Health Care Claims Data



Reported to DHIN
from health
insurers



Individuals who
submitted a claim

Delaware Health Care Claims Data

Claims

Reported to DHIN
from health
insurers

Patients

Individuals who
submitted a claim

Providers

Health care
providers located
in the state of
Delaware

Data on Health Care in the State of Delaware

Focused on Payor Data

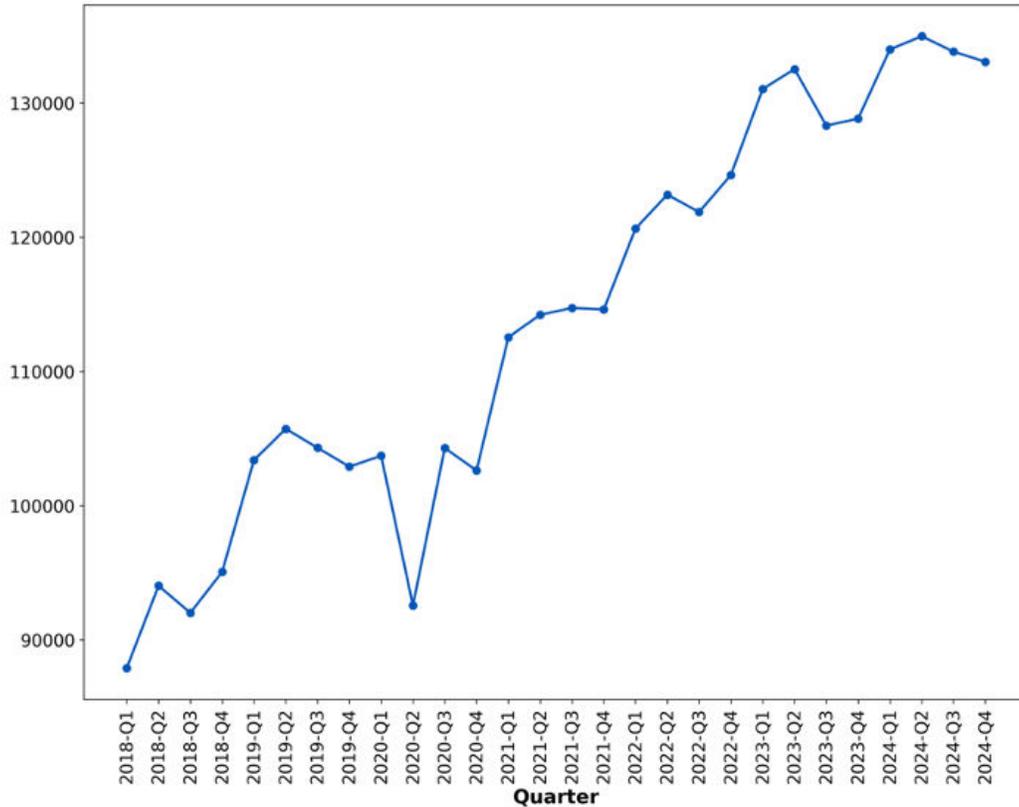
- Data from DHIN Delaware Health Care Claims Database (HCCD)
- Does not include uncompensated and charity care

Preliminary analysis of current health care usage and availability with focus on chronic disease

- Anticipate future updates to results using new codes from the NUCC taxonomy
 - Healthcare Provider Taxonomy Code that provides information on three levels: Provider Grouping, Classification, and Area of Specialization²

Health Care Utilization in Delaware

Number of Unique Patients by Quarter



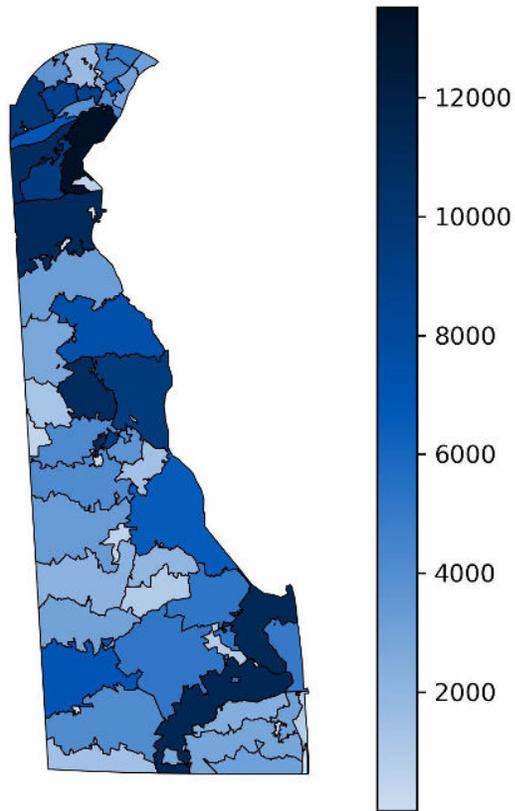
Number of Total Claims by Quarter



Number of patients with chronic disease diagnoses and number of claims filed for chronic disease are increasing over time

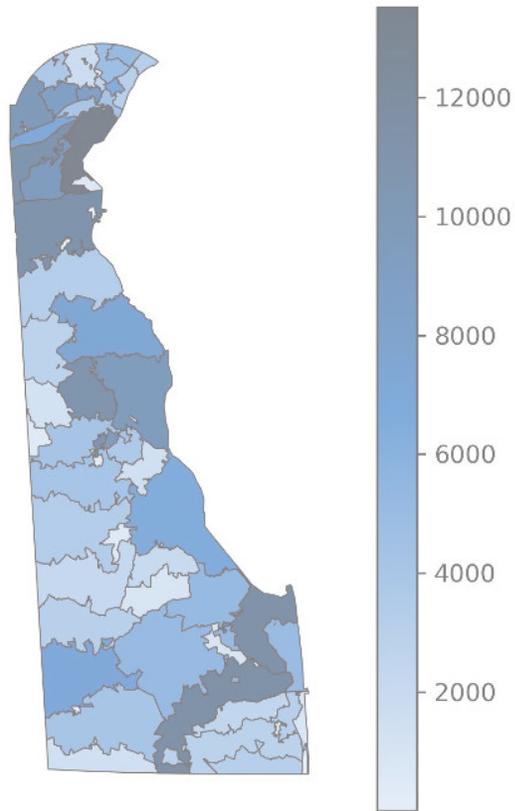
Patient Locations by Zip Code in the State of Delaware

Patient Locations

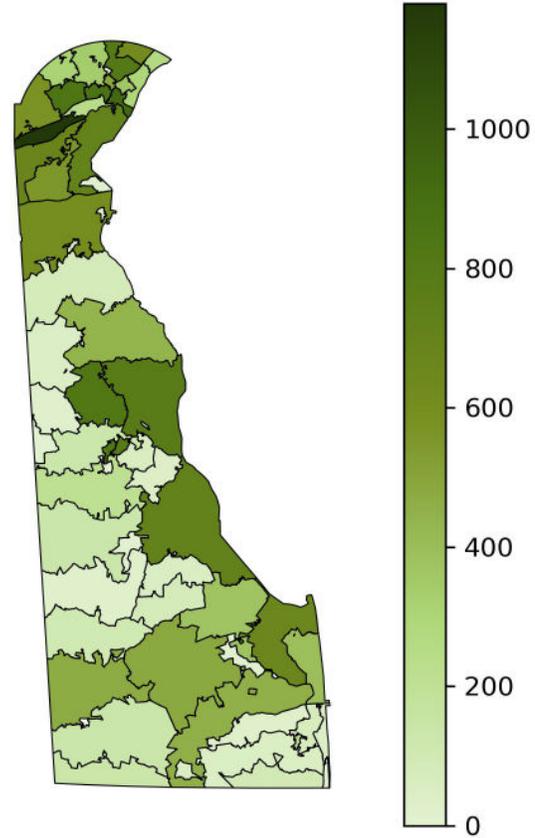


Providers are Located in Highly Populated Zip Codes

Patient Locations

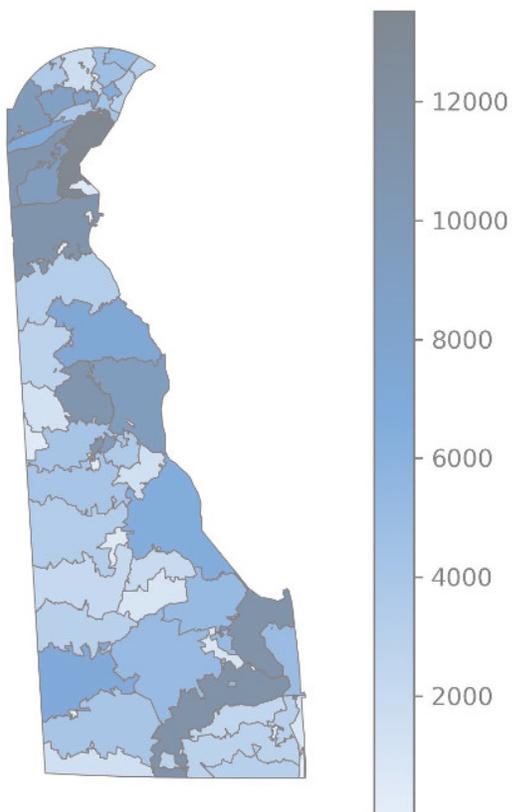


Provider Locations

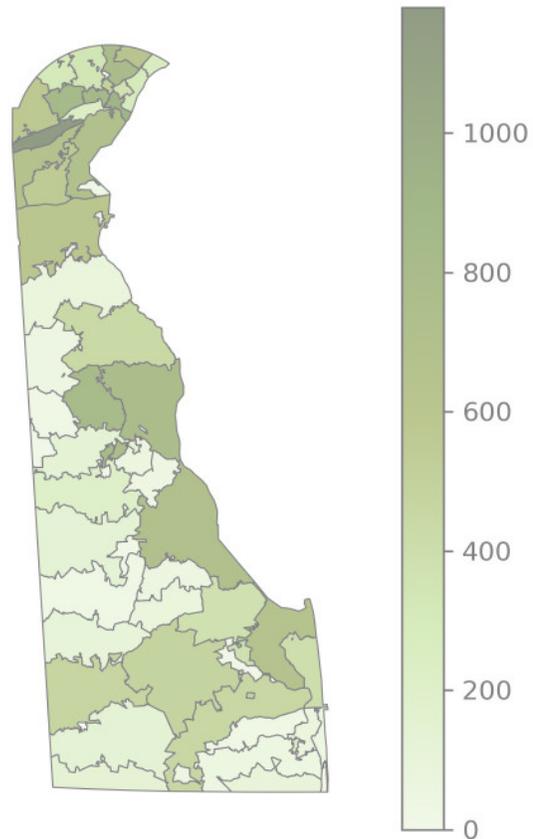


Some Zip Codes Have High Patient to Provider Ratios

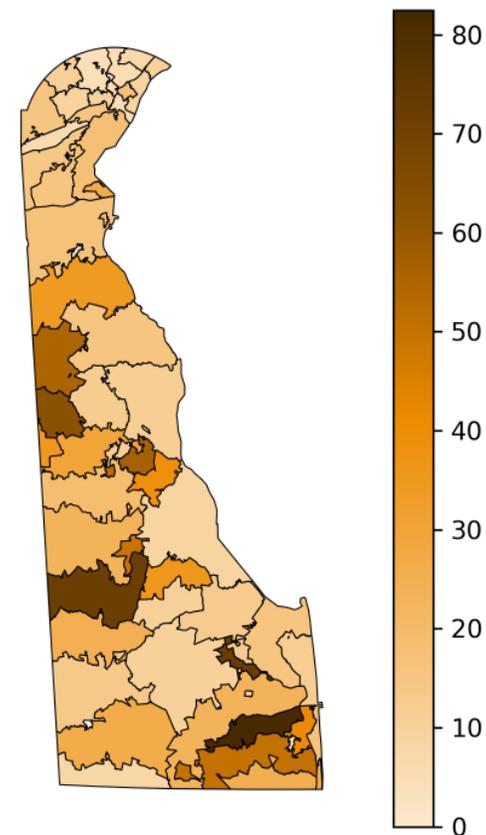
Patient Locations



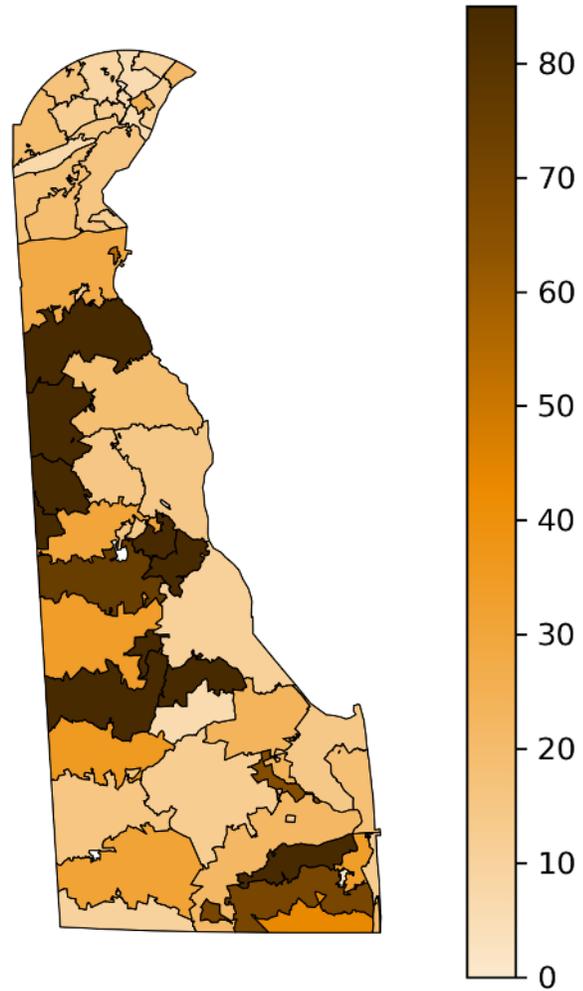
Provider Locations



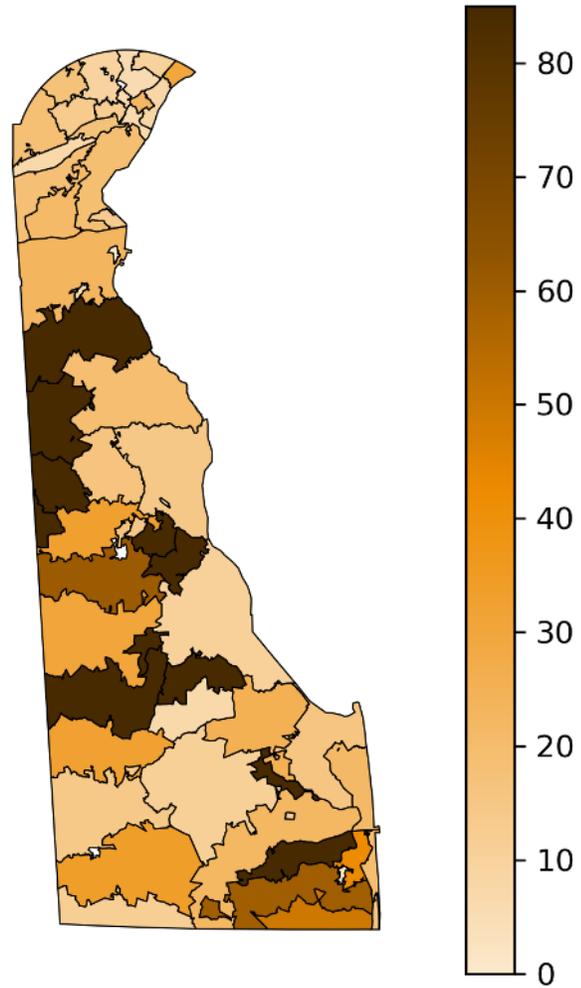
Ratio of Patients to Providers



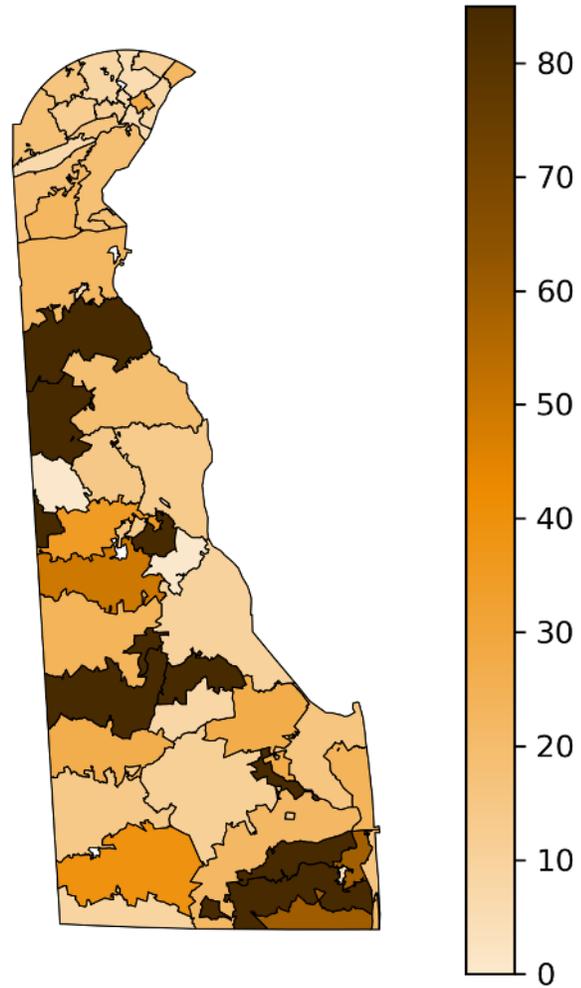
2018 - Ratio of Patients to Providers



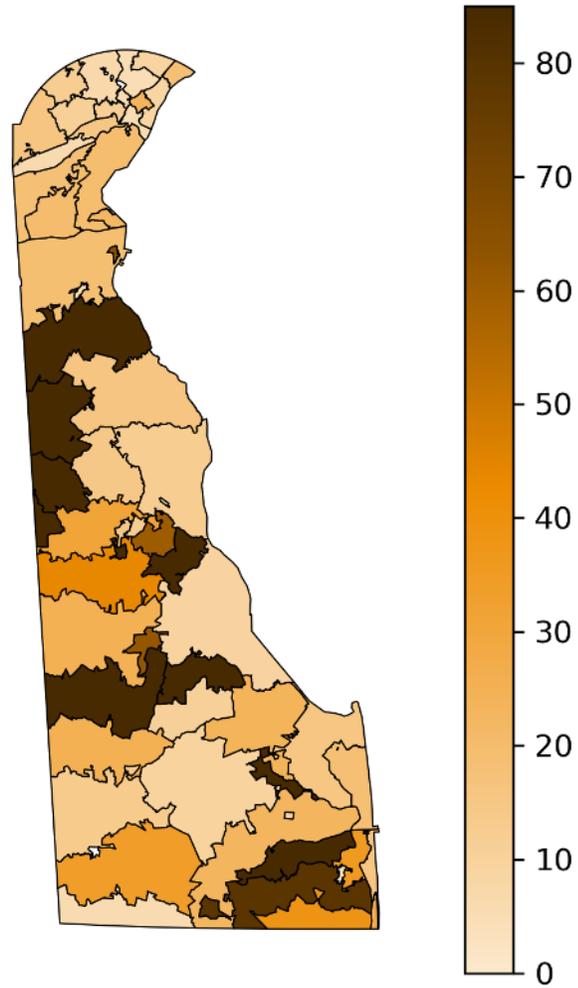
2019 - Ratio of Patients to Providers



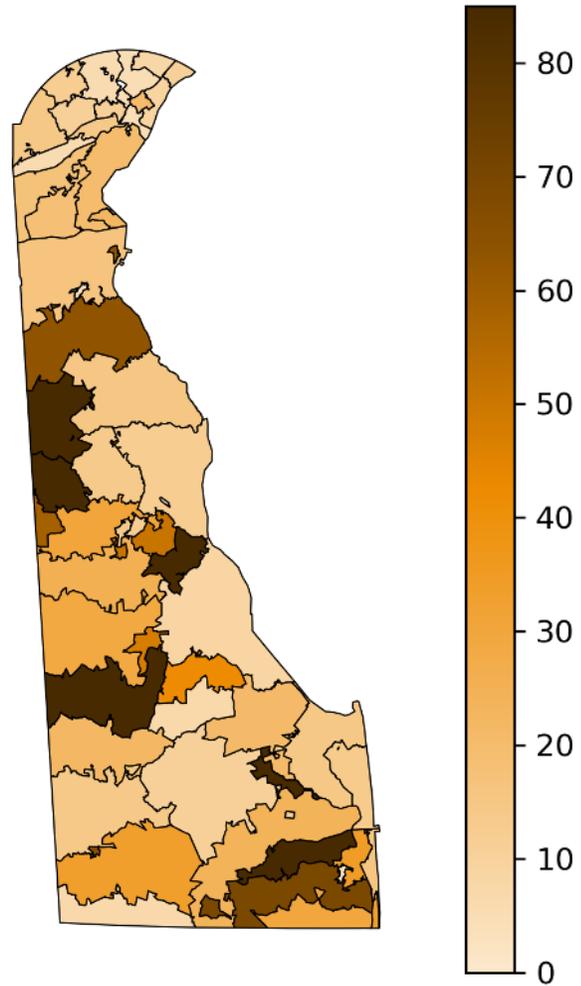
2020 - Ratio of Patients to Providers



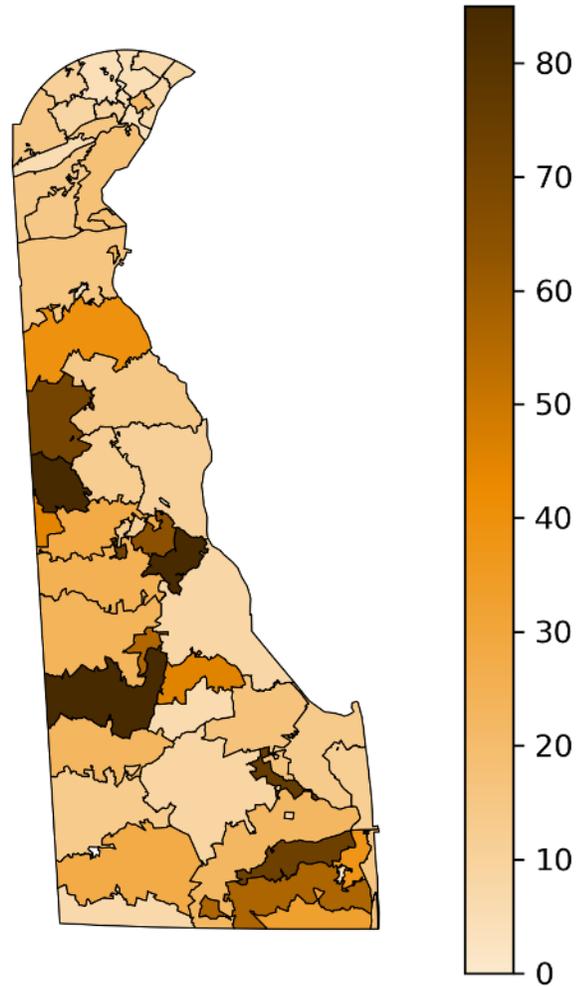
2021 - Ratio of Patients to Providers



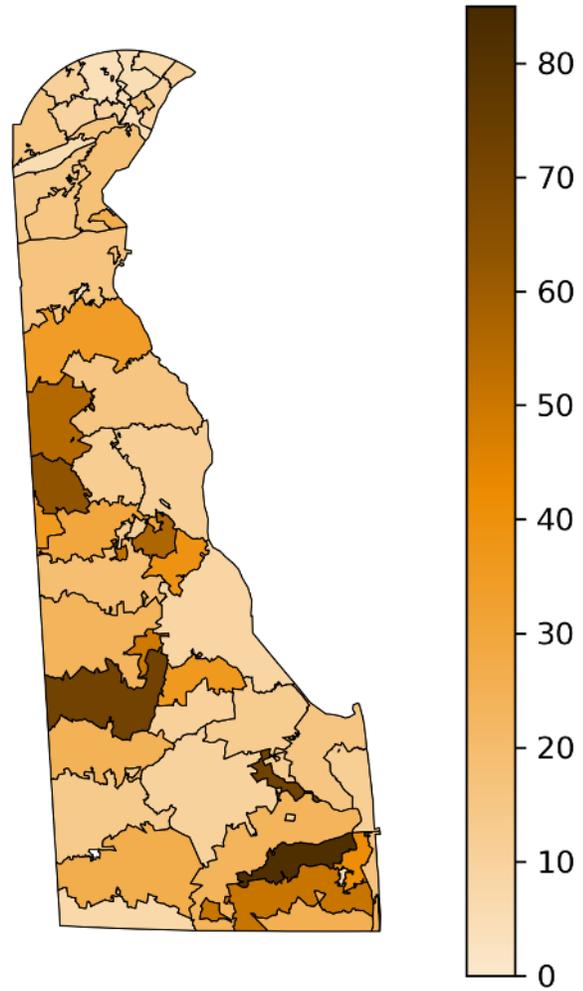
2022 - Ratio of Patients to Providers



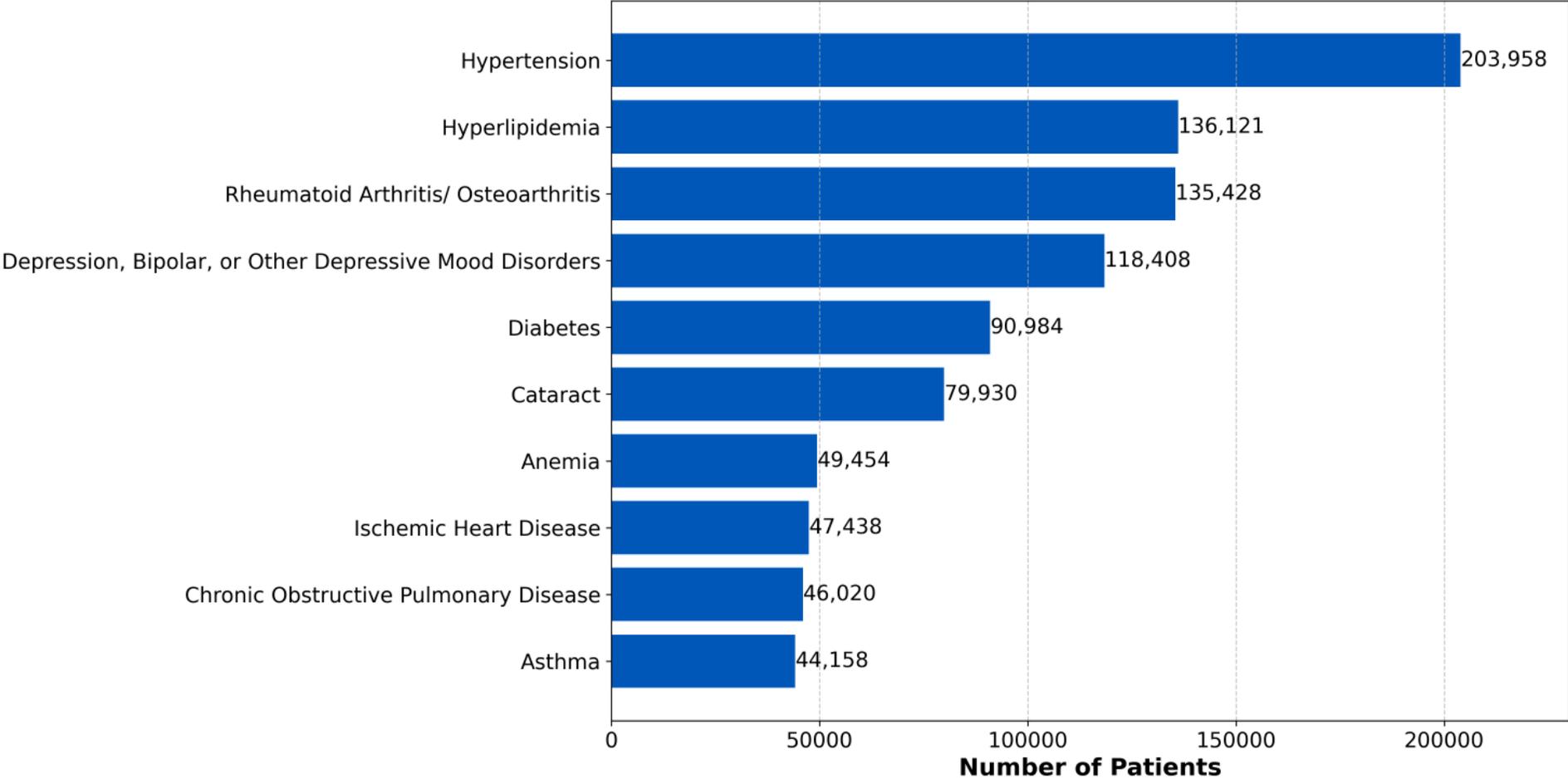
2023 - Ratio of Patients to Providers



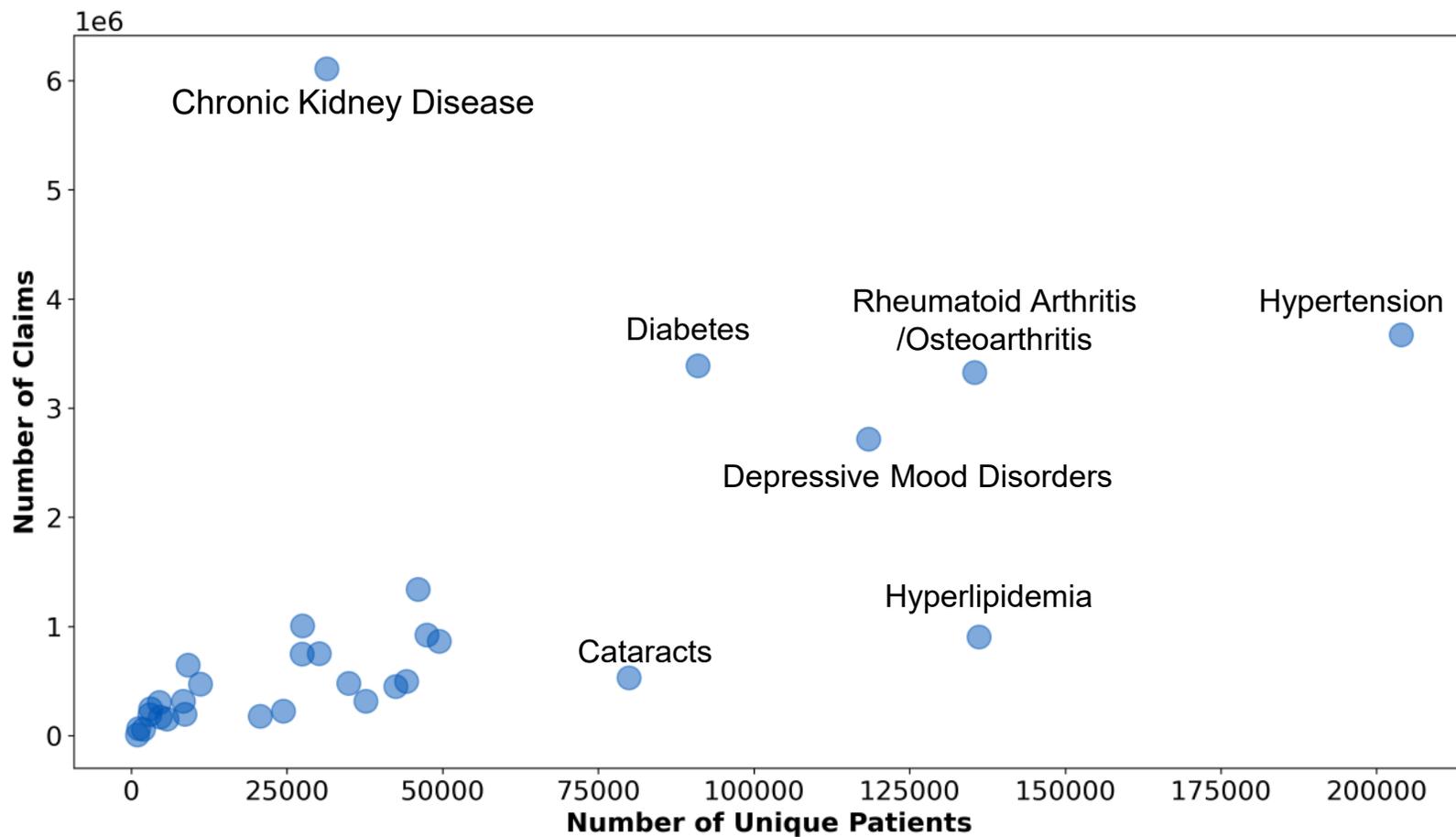
2024 - Ratio of Patients to Providers



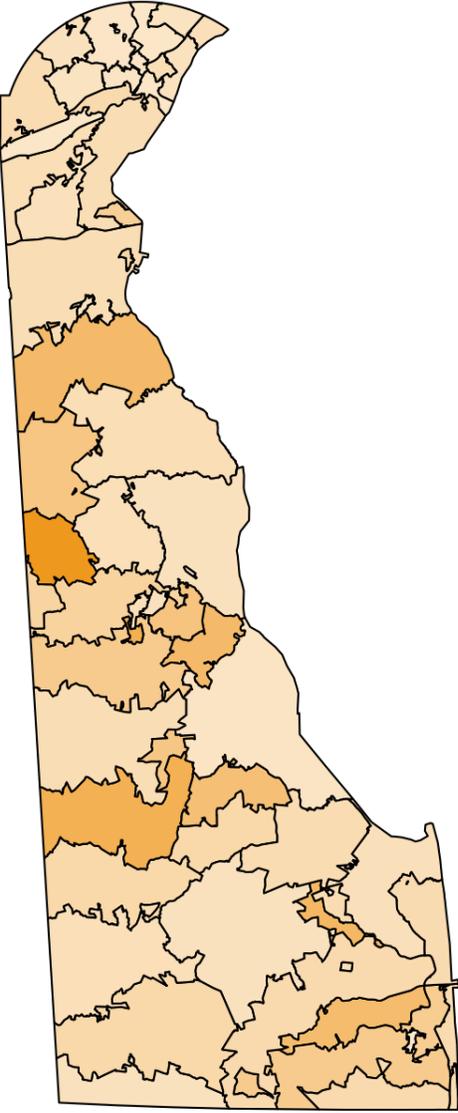
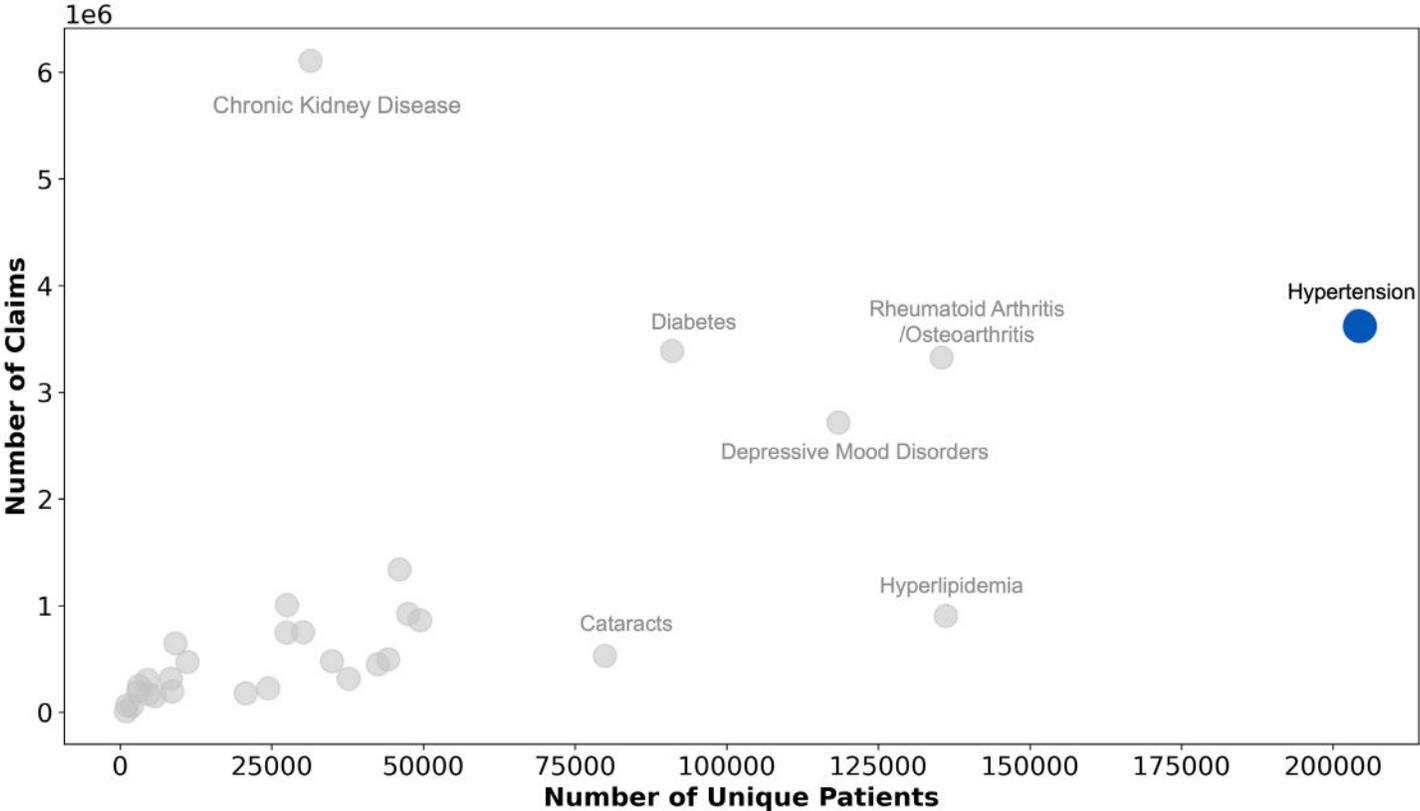
Top 10 Chronic Disease Diagnoses in the State of Delaware



Number of Claims for and Patients with Each Diagnosis

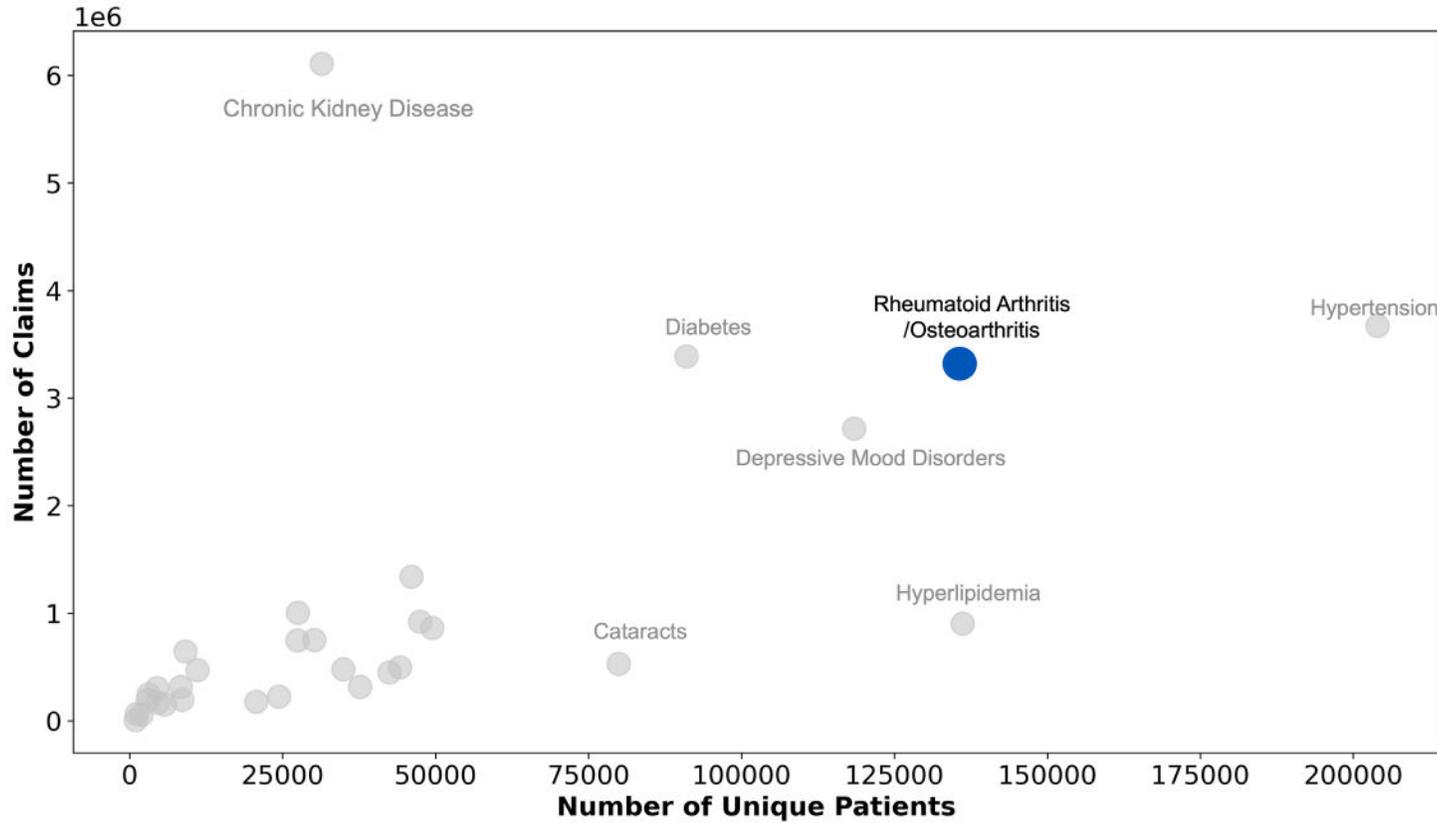


Hypertension

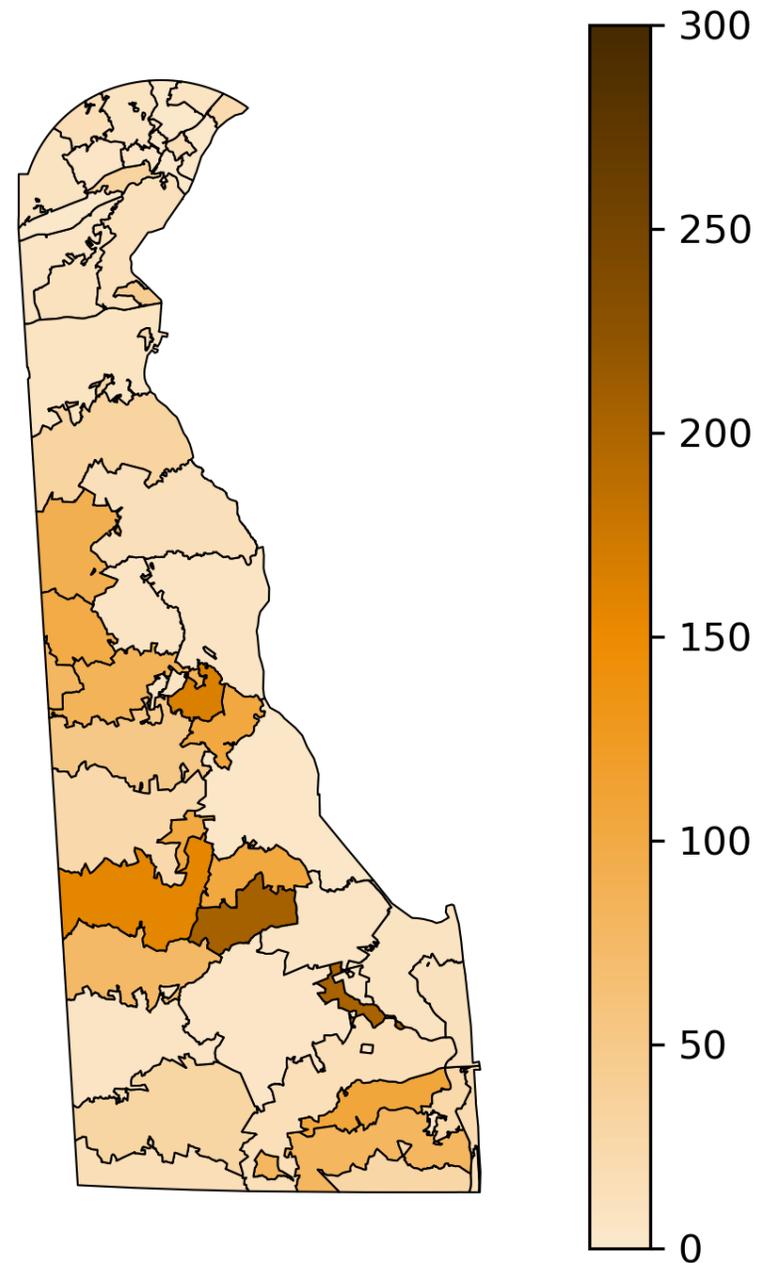


Number of Providers: 8053

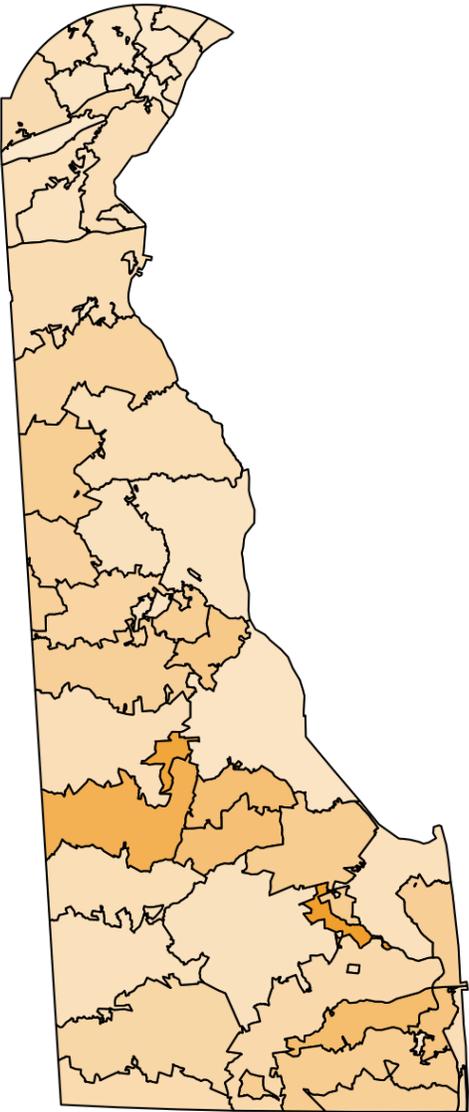
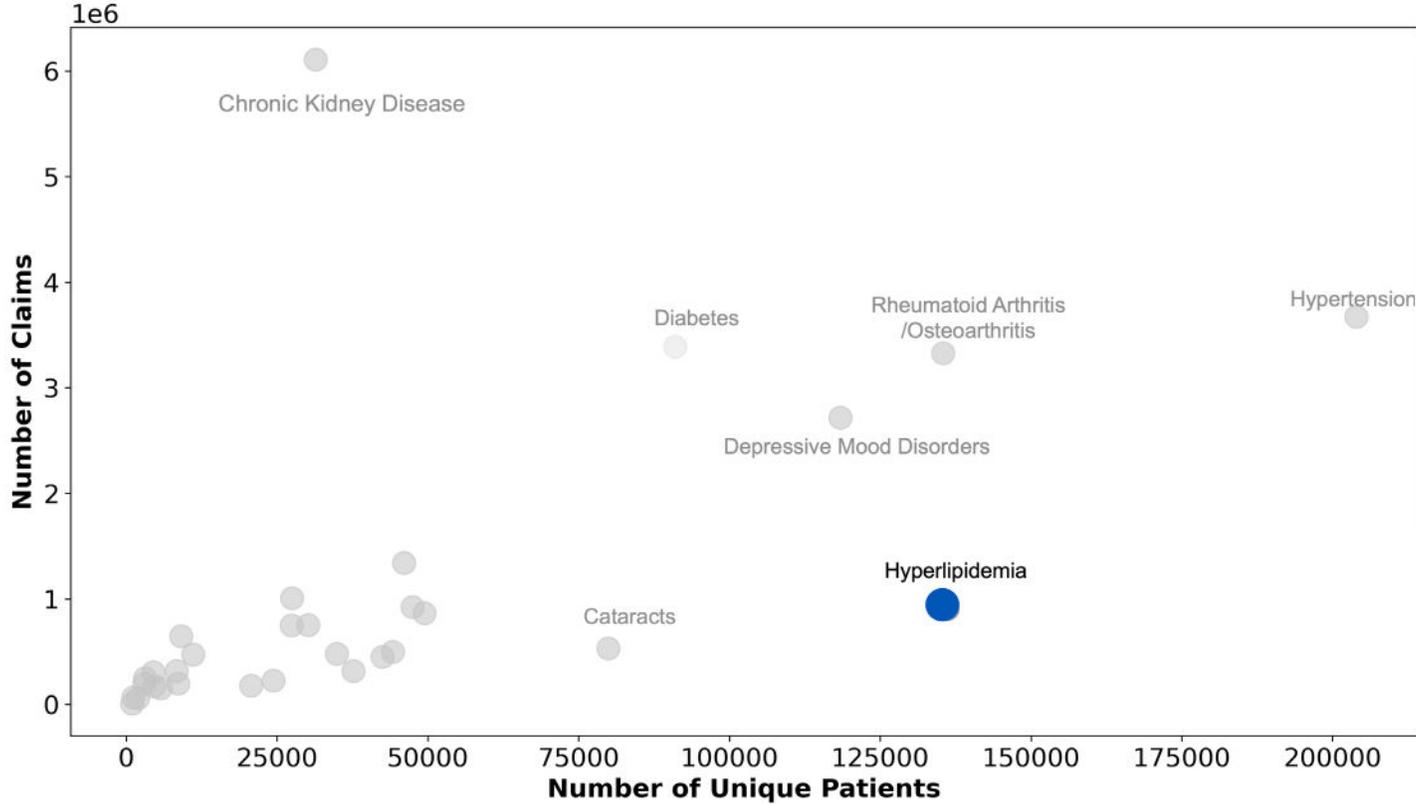
Rheumatoid Arthritis /Osteoarthritis



Number of Providers: 6343

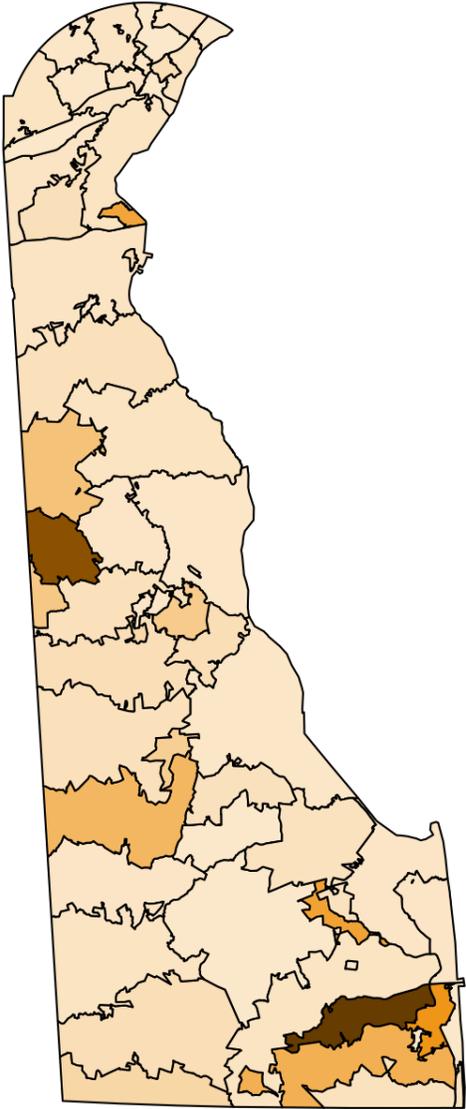
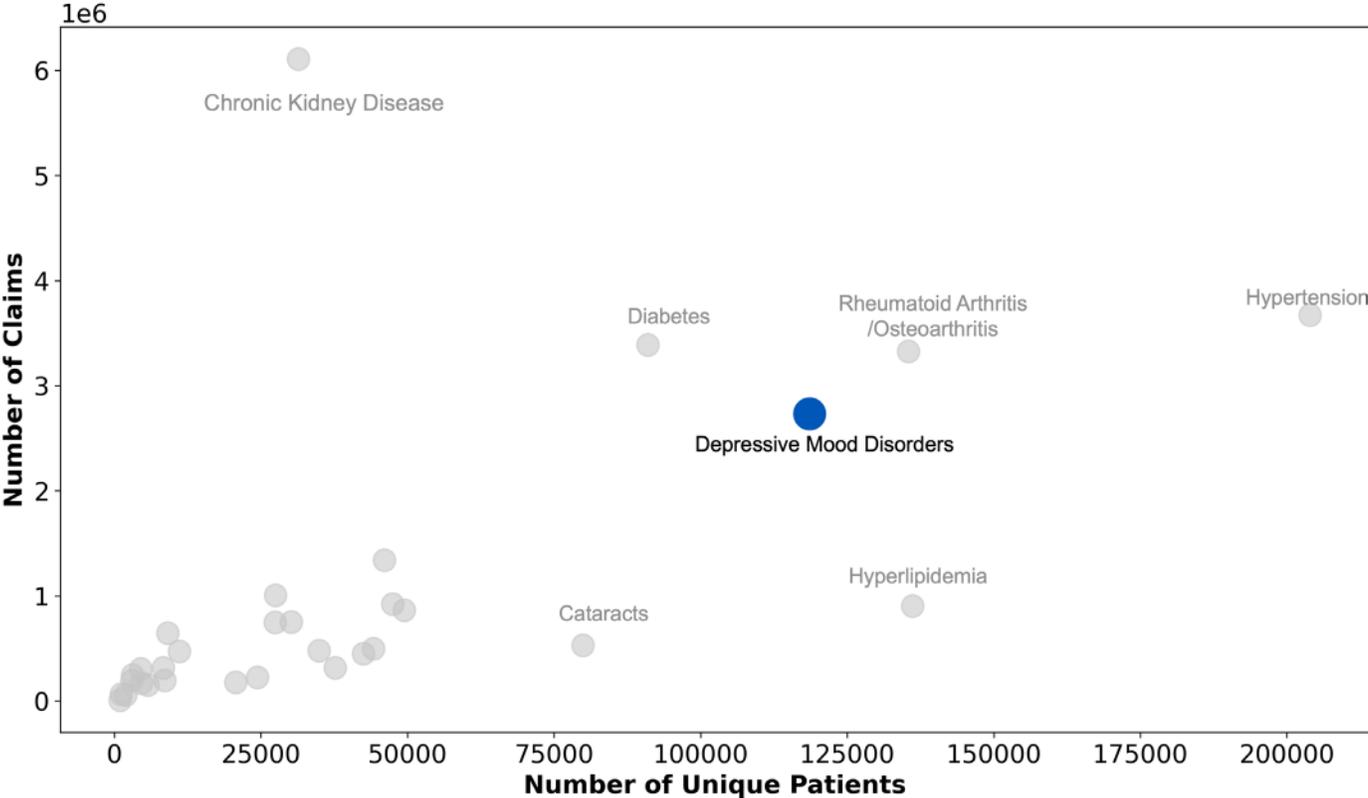


Hyperlipidemia



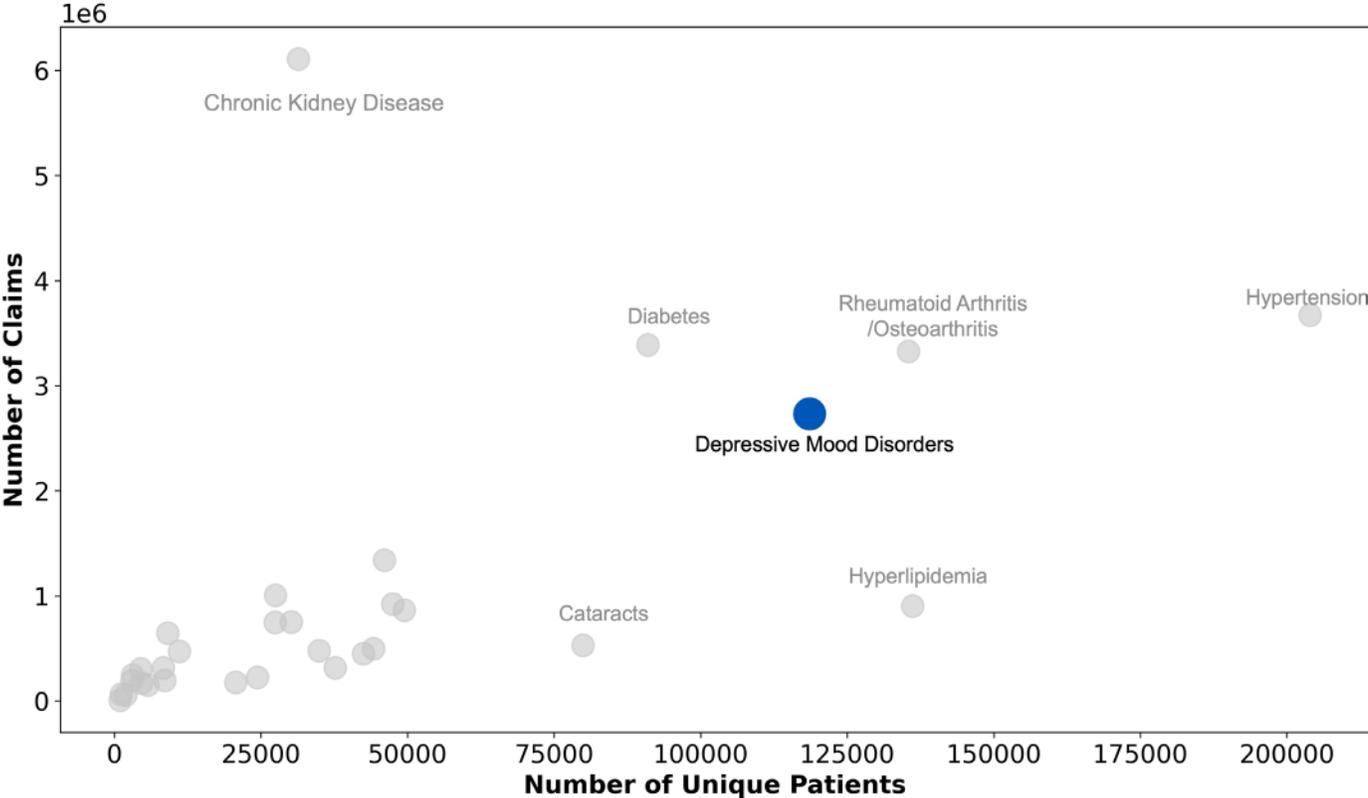
Number of Providers: 4121

Depressive Mood Disorders

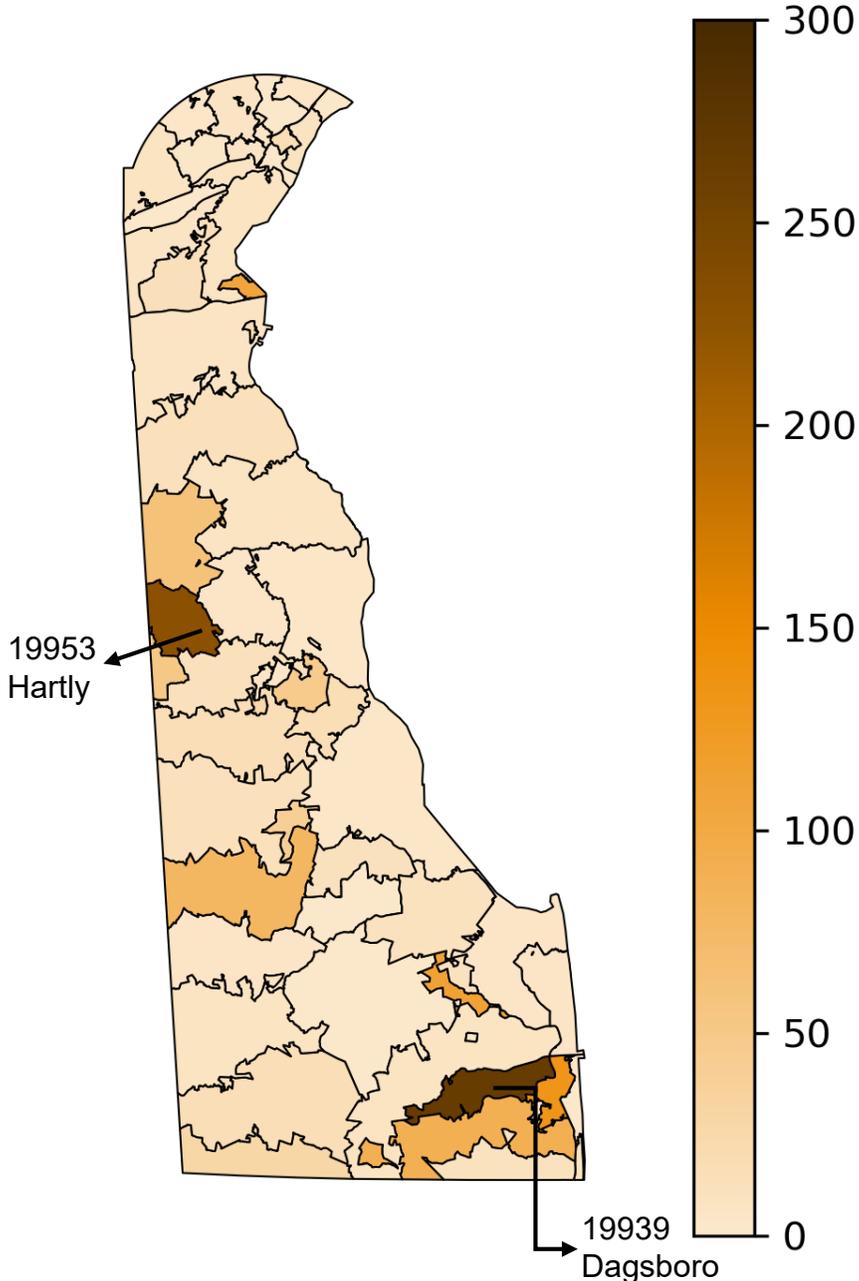


Number of Providers: 7437

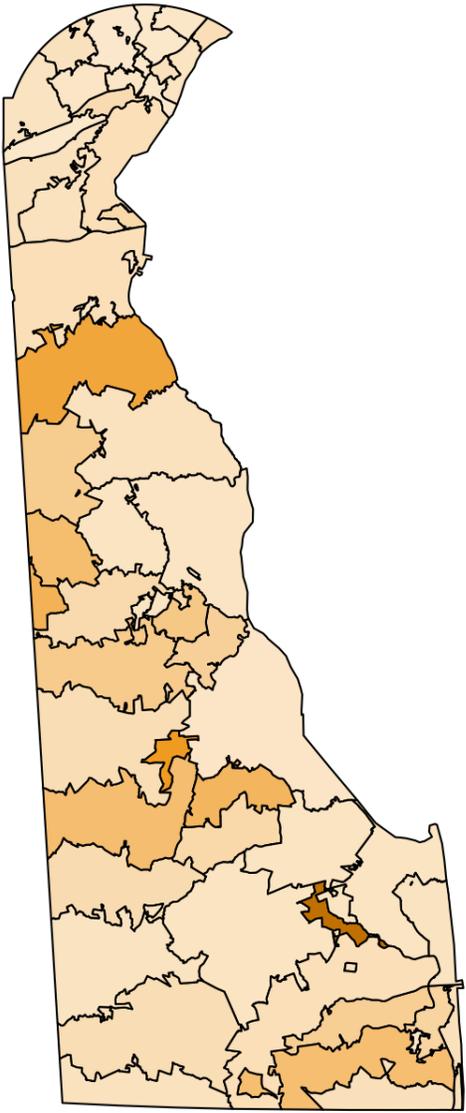
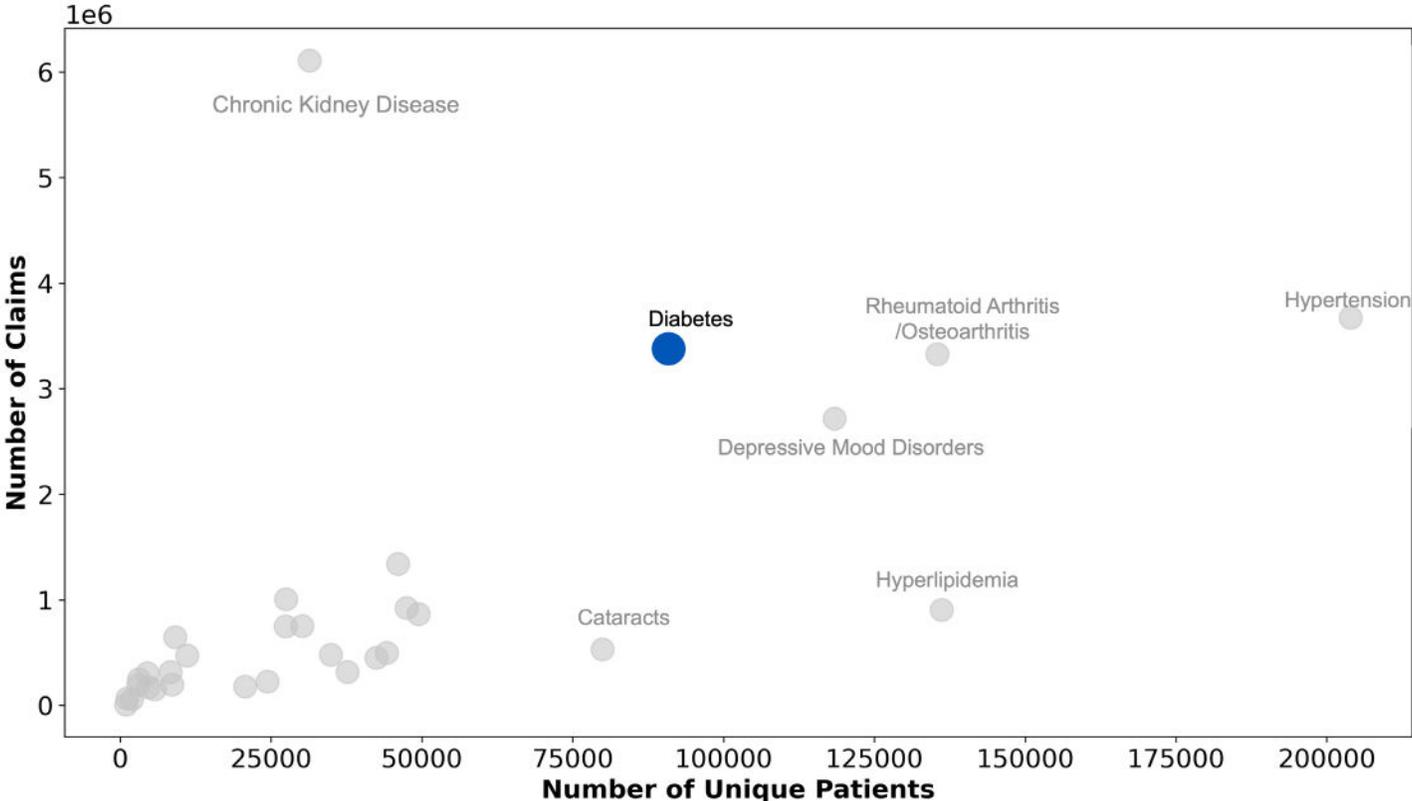
Depressive Mood Disorders



Number of Providers: 7437

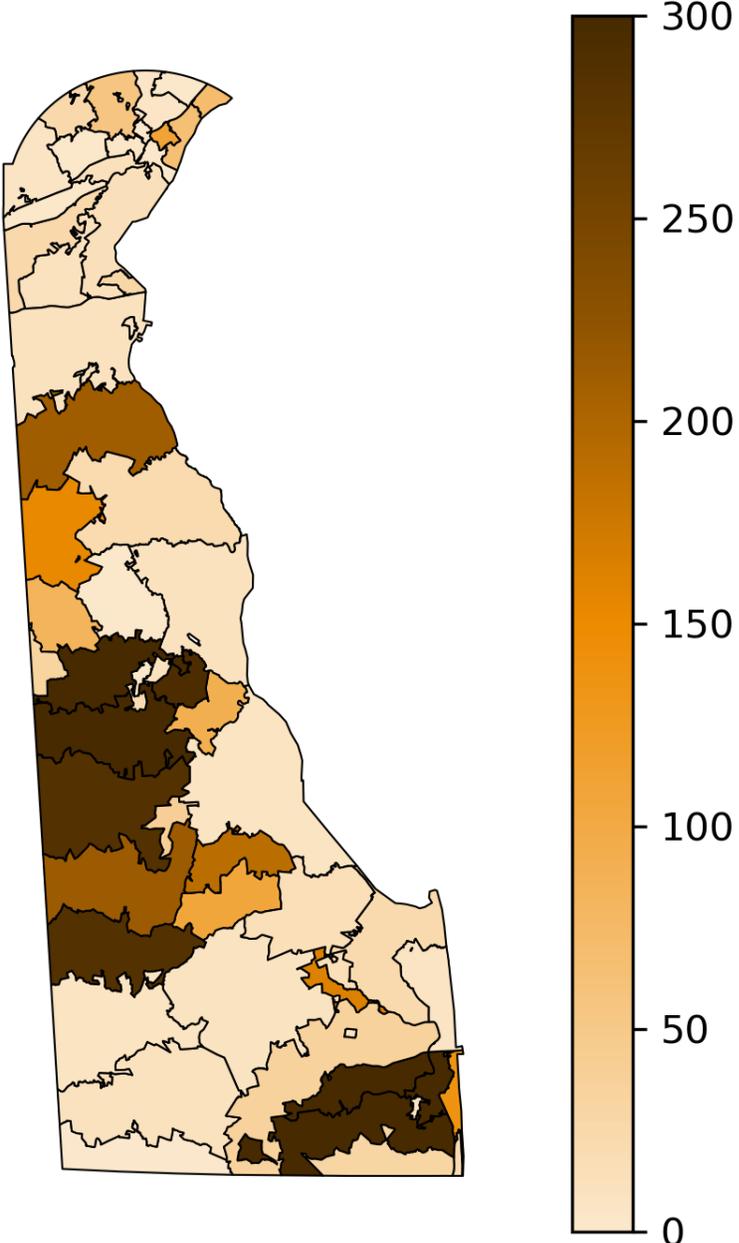
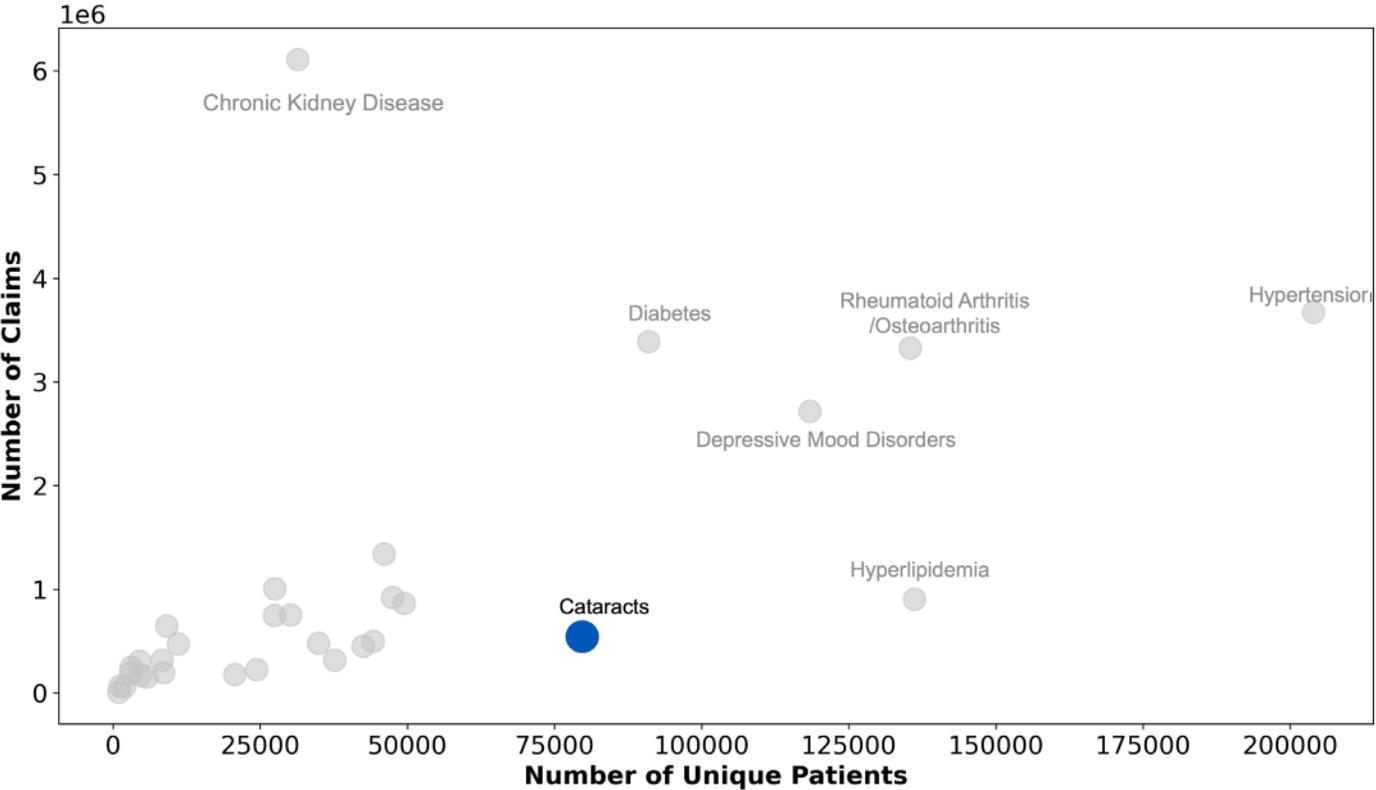


Diabetes



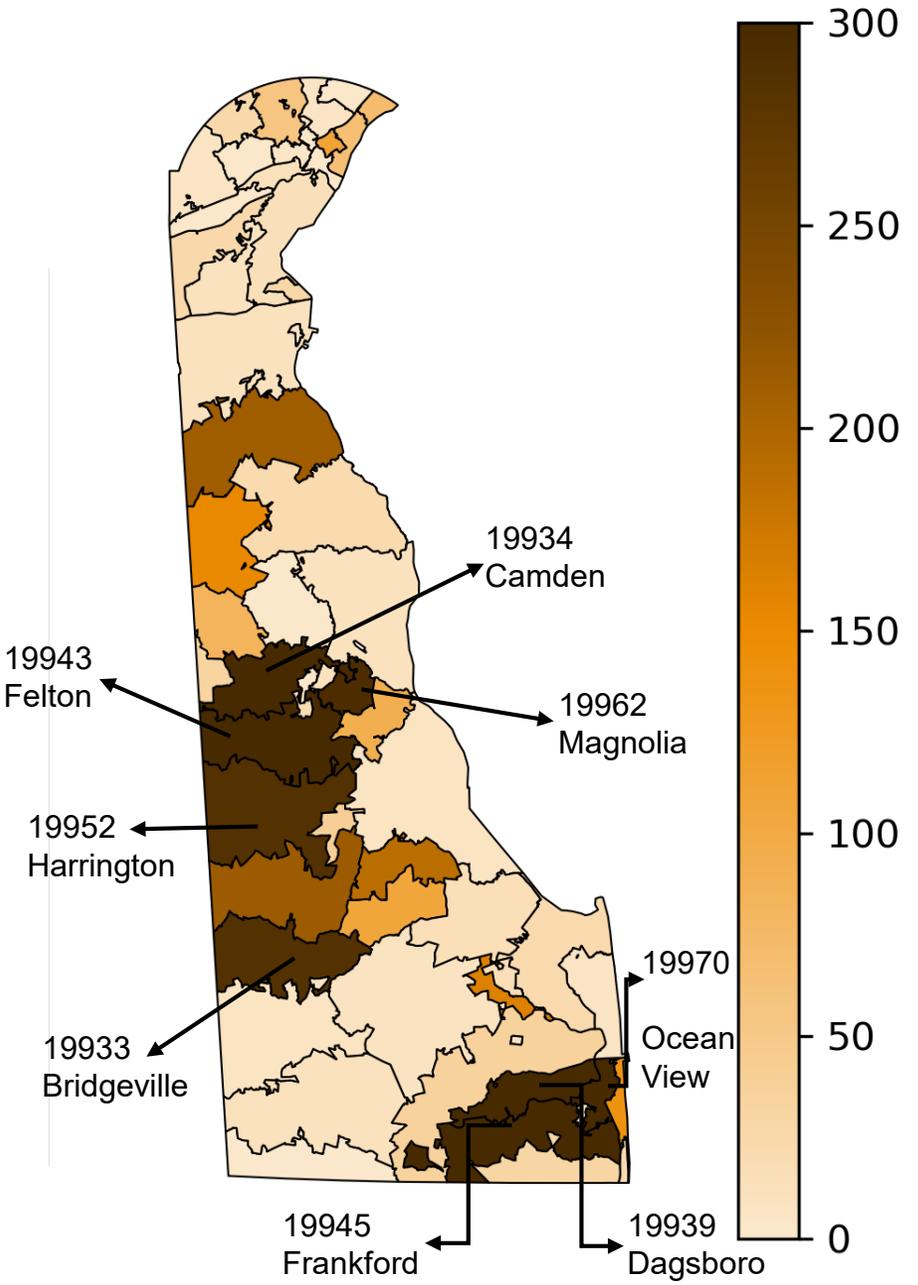
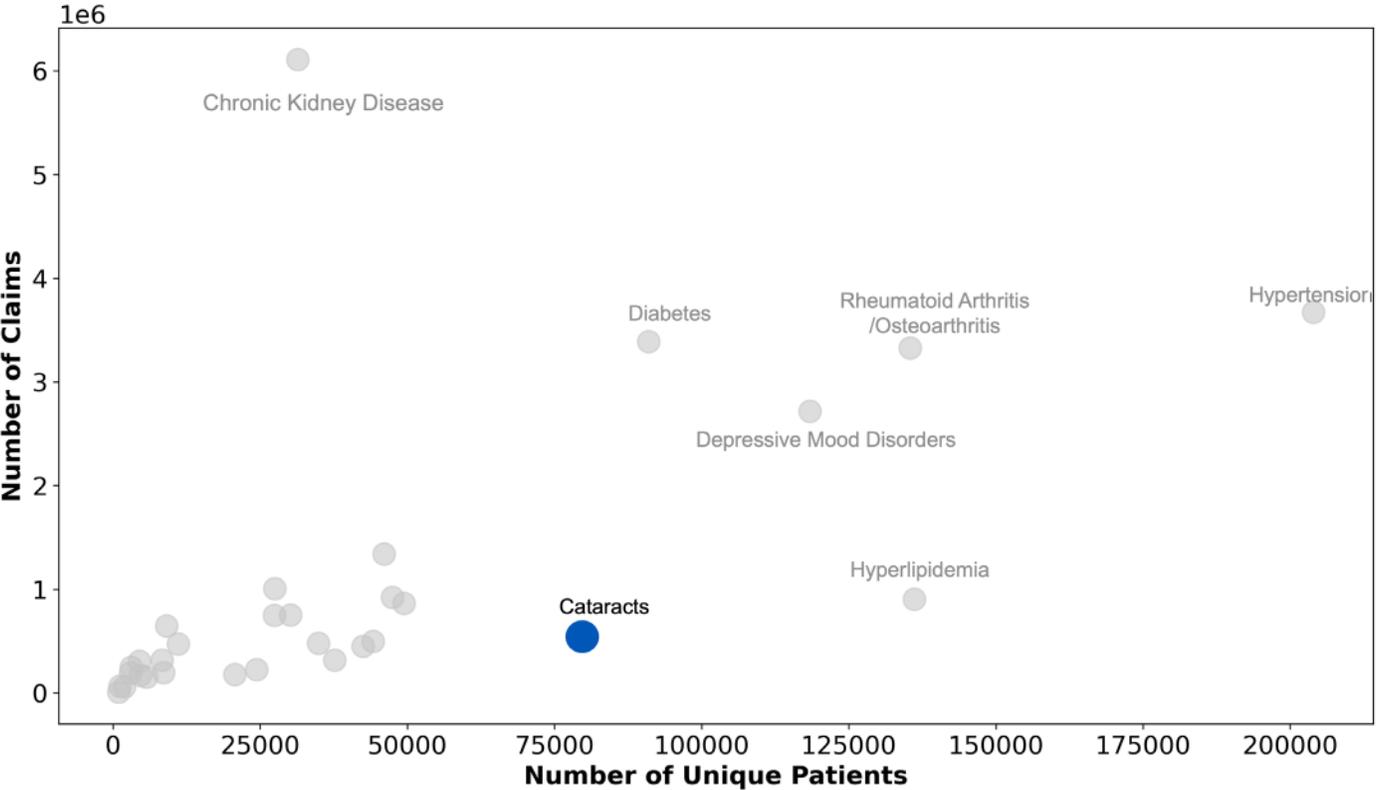
Number of Providers: 6960

Cataracts



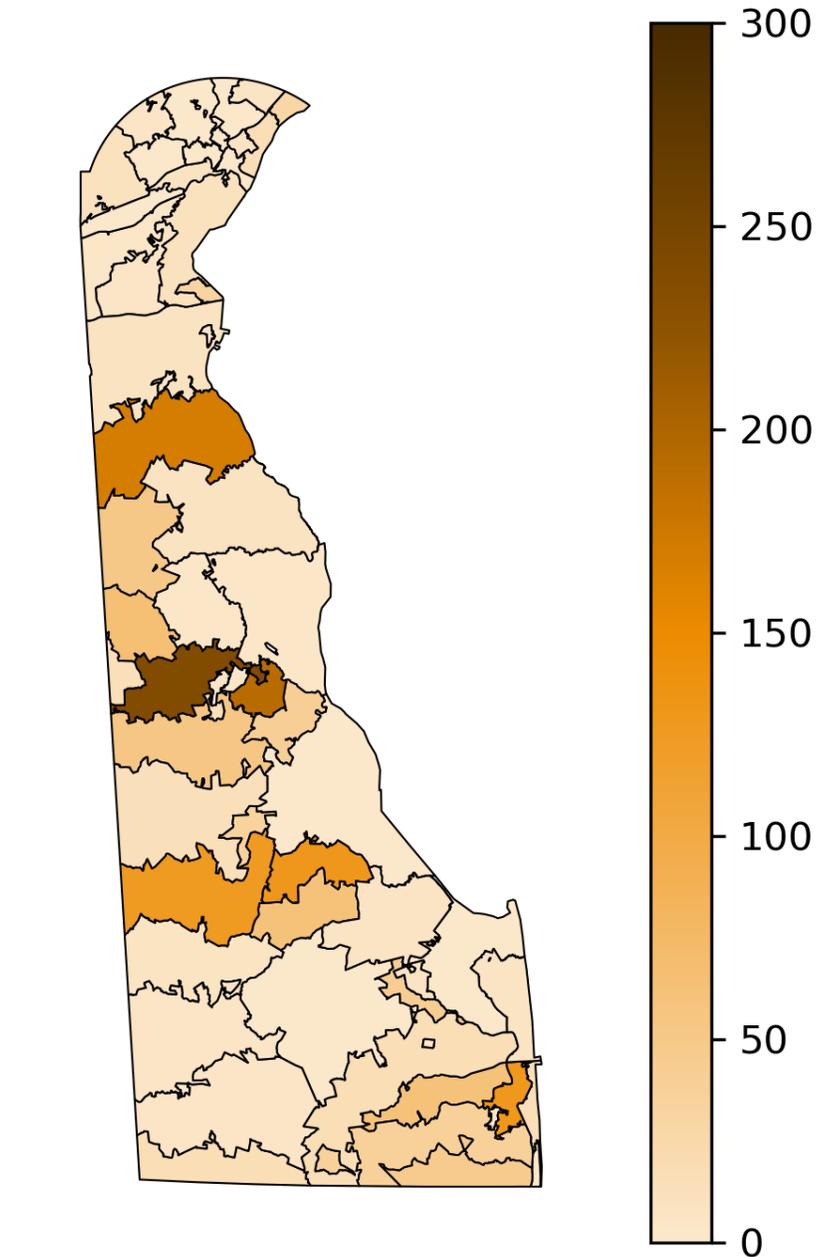
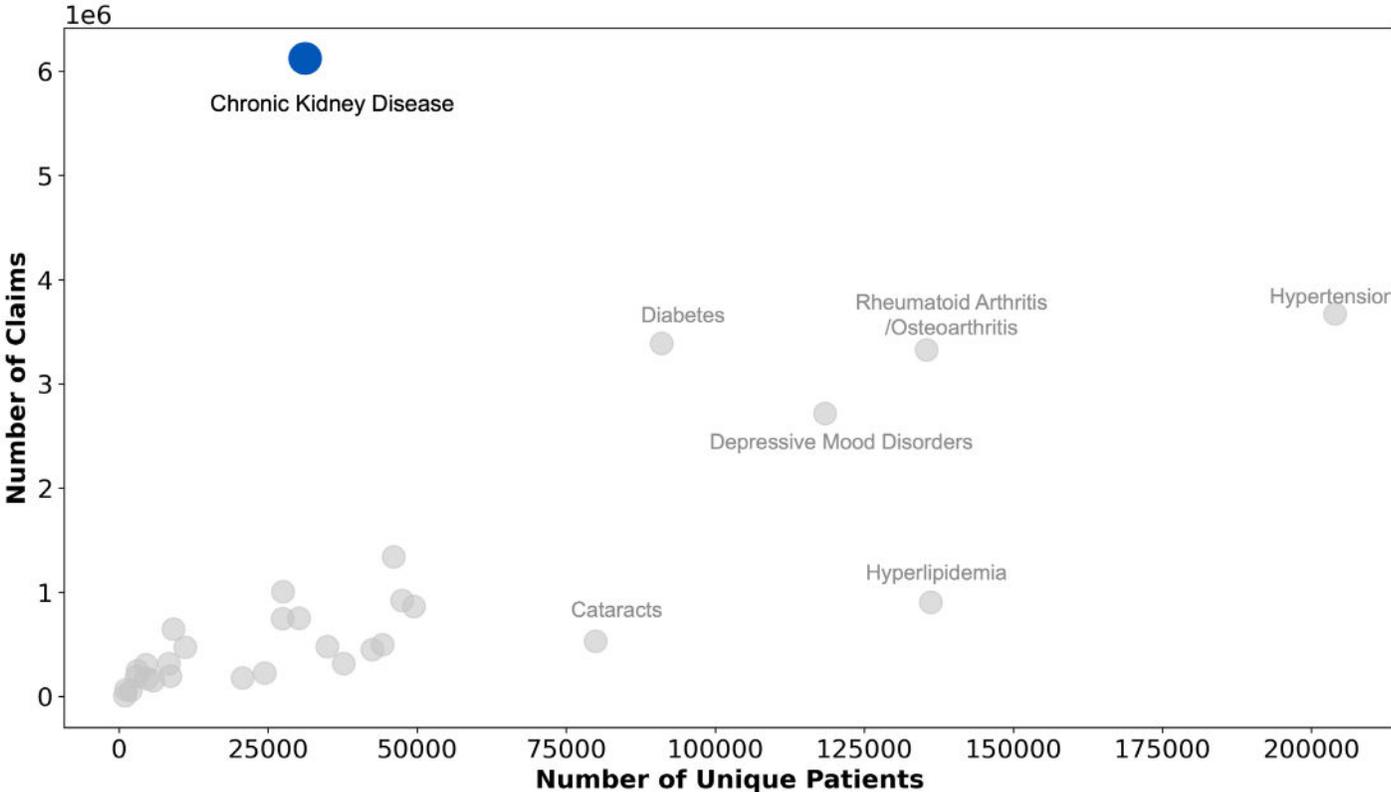
Number of Providers: 2992

Cataracts



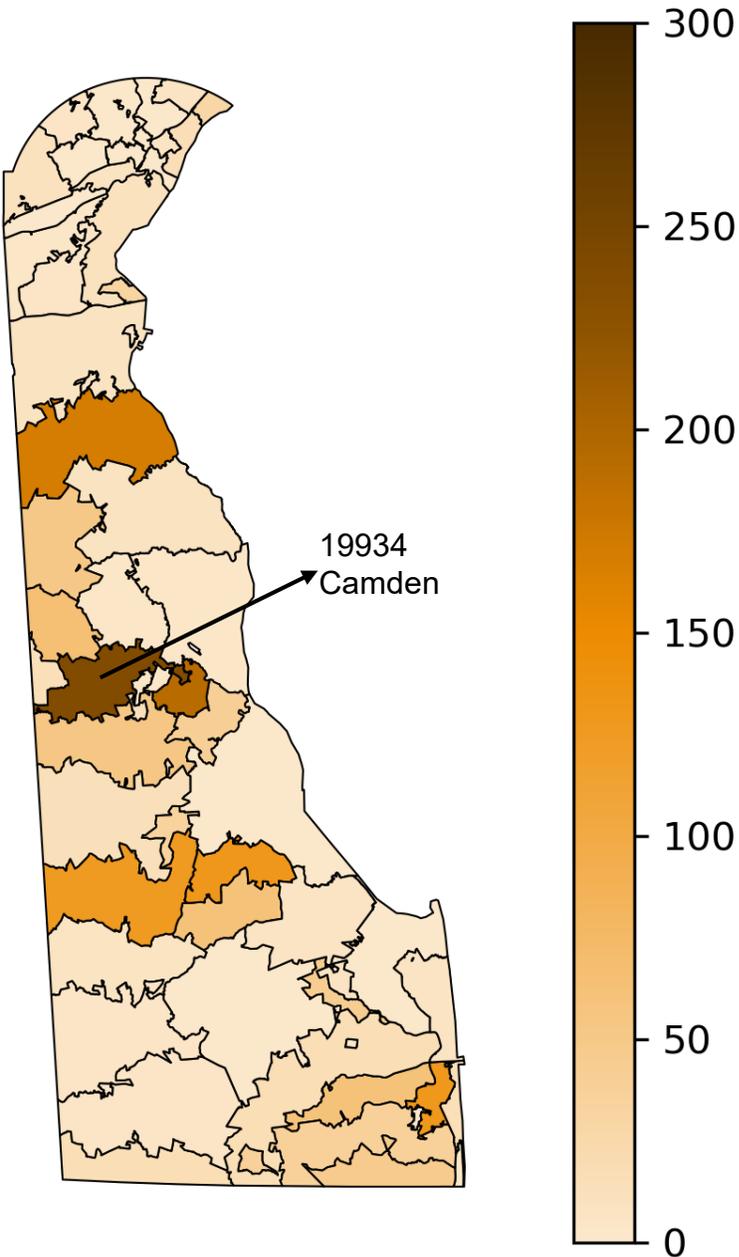
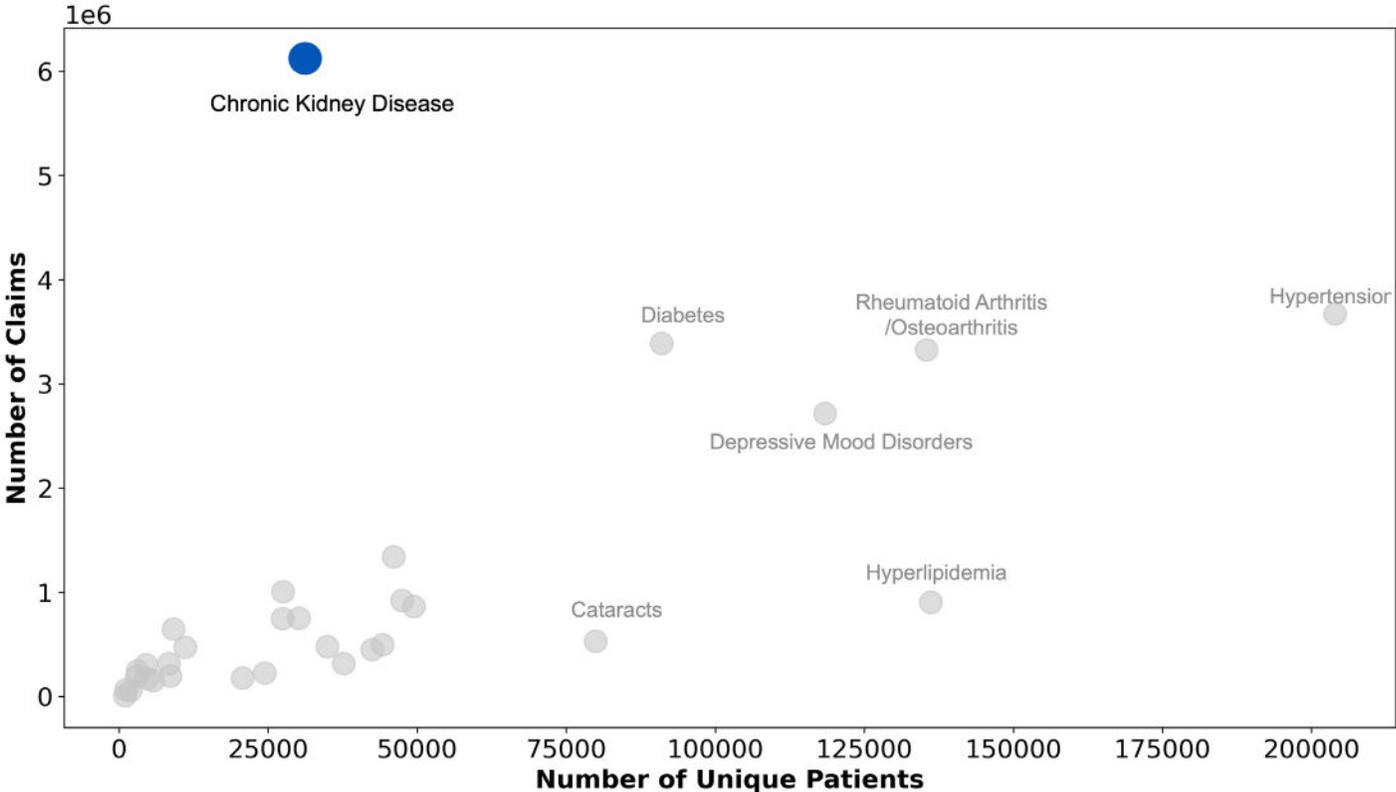
Number of Providers: 2992

Chronic Kidney Disease



Number of Providers: 3384

Chronic Kidney Disease



Number of Providers: 3384

Other Diagnoses with Regions of a High Ratio of Patients to Providers

New Castle, Sussex, and Kent Counties

- Glaucoma

Kent County

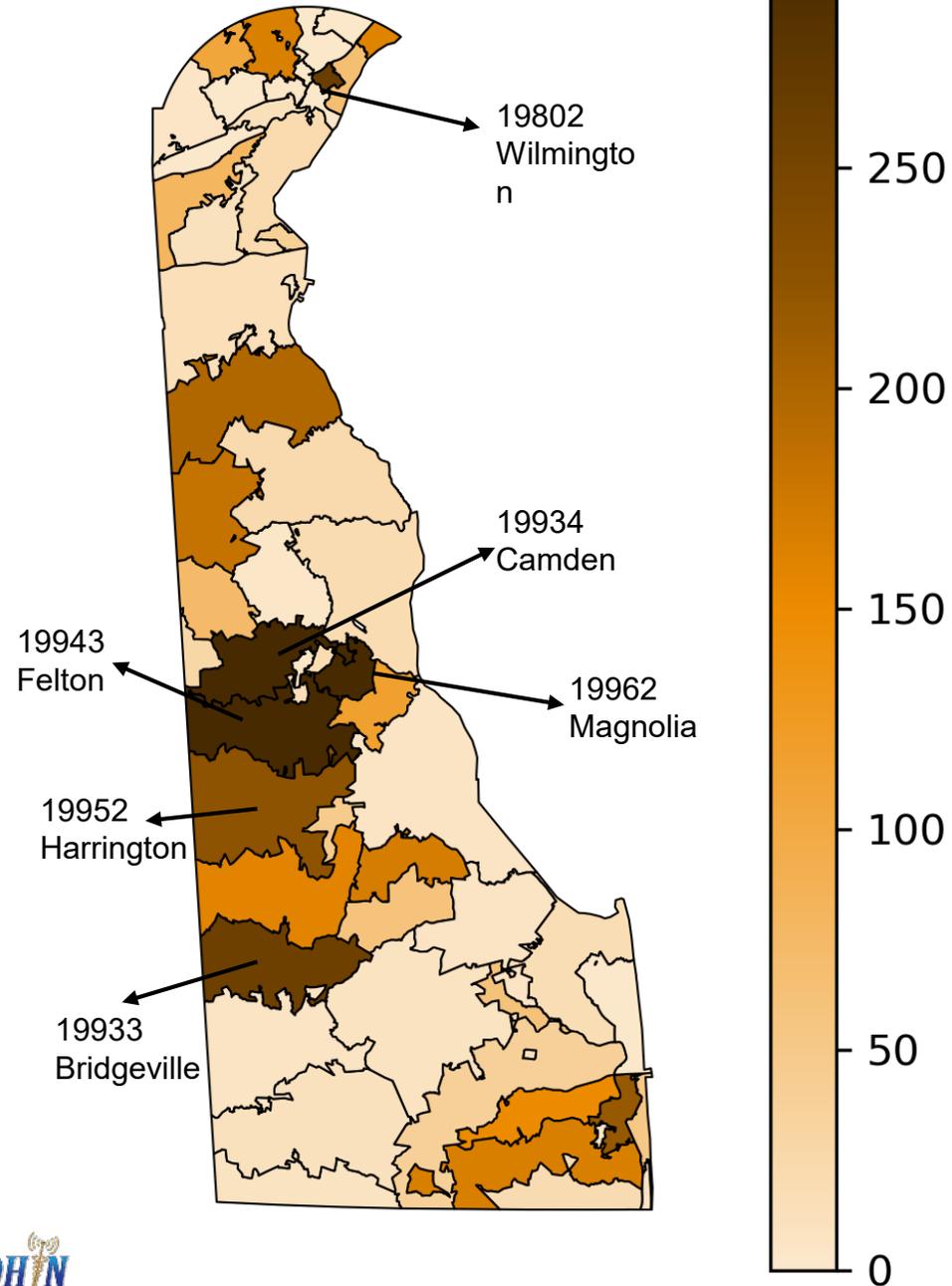
- Atrial Fibrillation and Flutter
- Anemia
- Benign Prostatic Hyplasia

Sussex and Kent Counties

- Ischemic Heart Disease

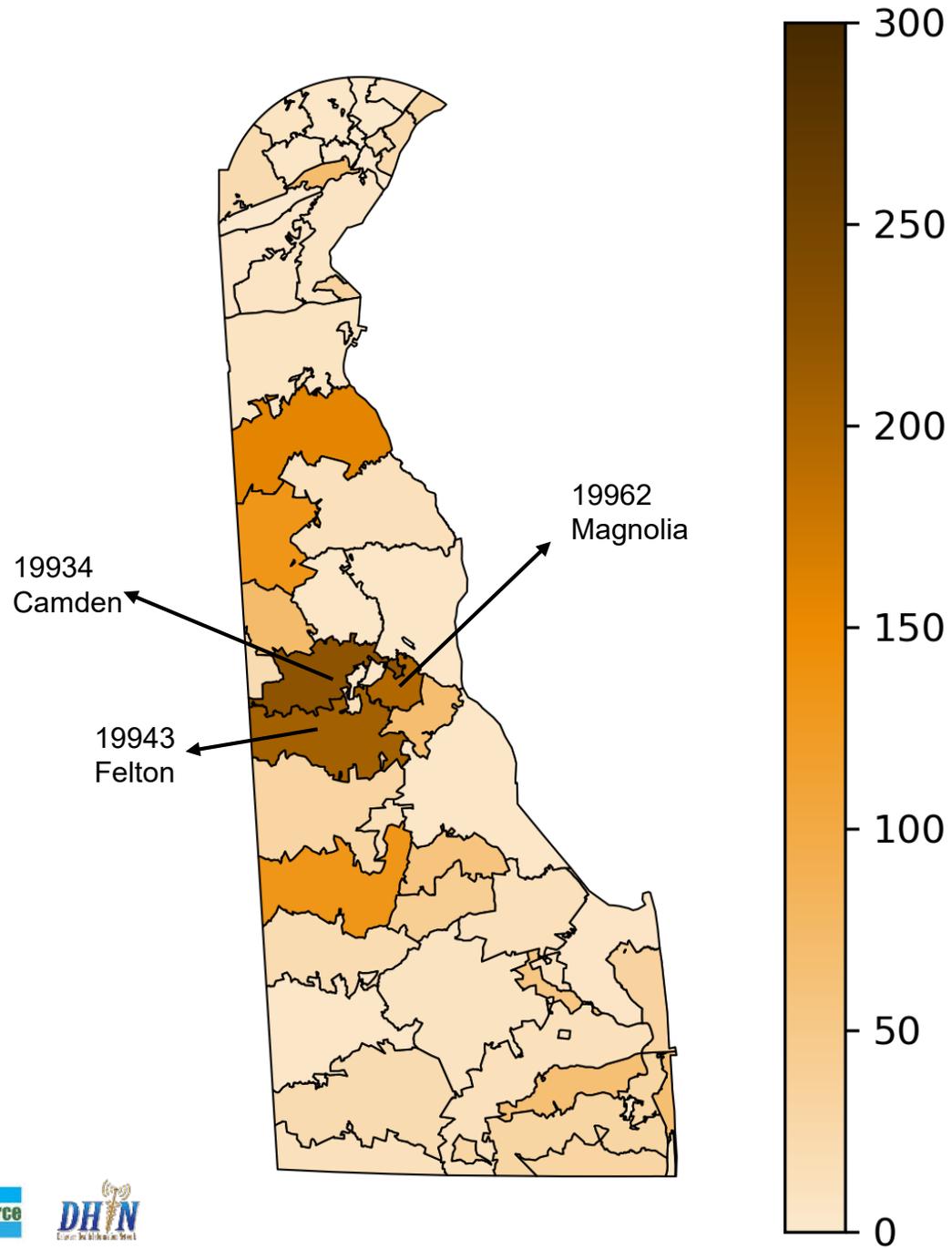
Glaucoma

Number of Patients: 18887
Number of Providers: 2290



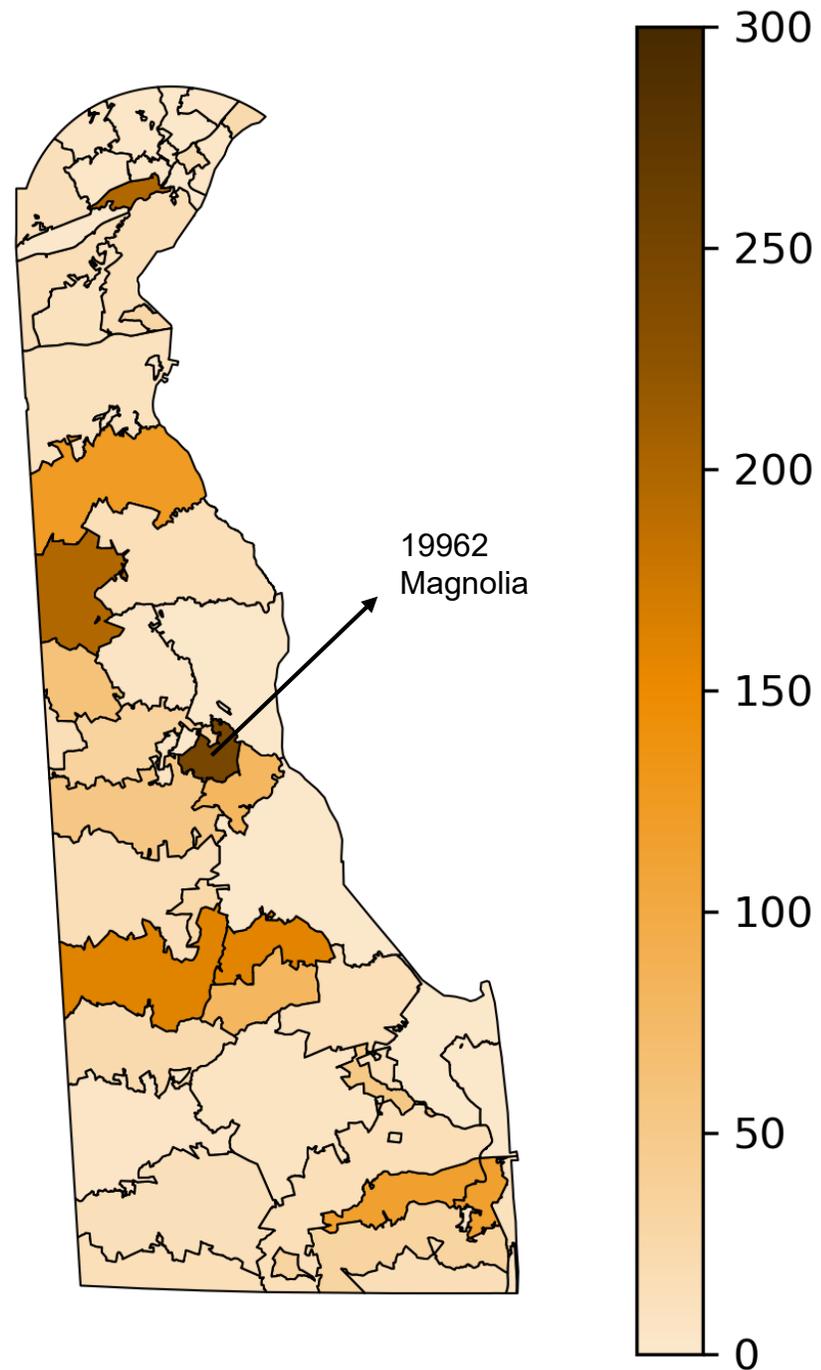
Atrial Fibrillation and Flutter

Number of Patients: 12946
Number of Providers: 2516



Anemia

Number of Patients: 14529
Number of Providers: 2781

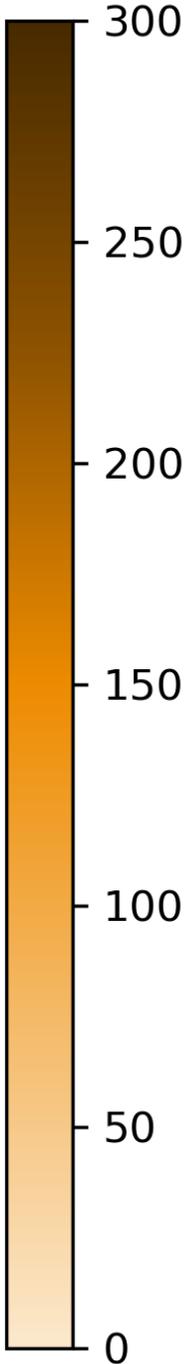
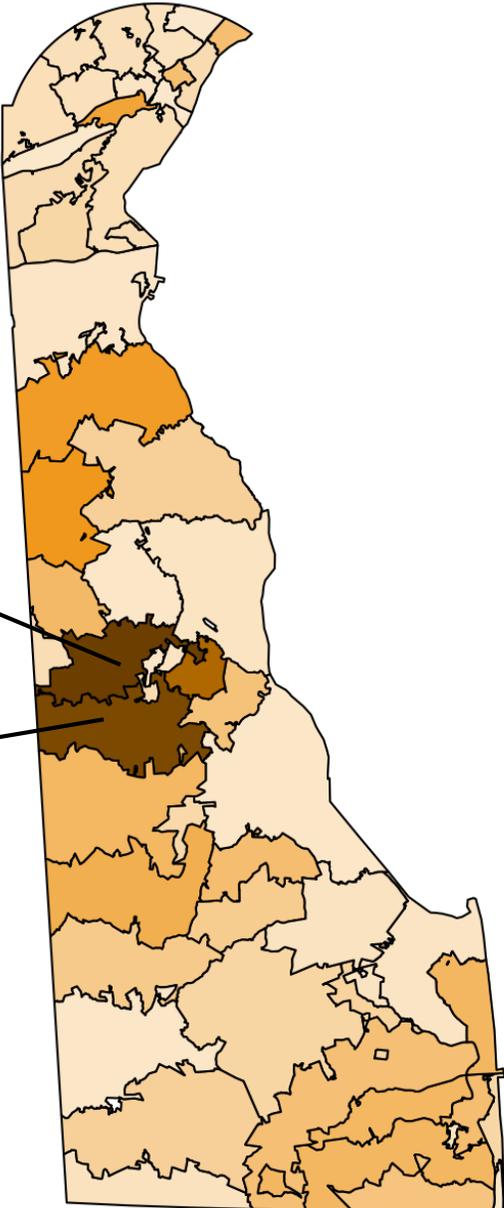


Benign Prostatic Hyperplasia

Number of Patients: 9961
Number of Providers: 1283

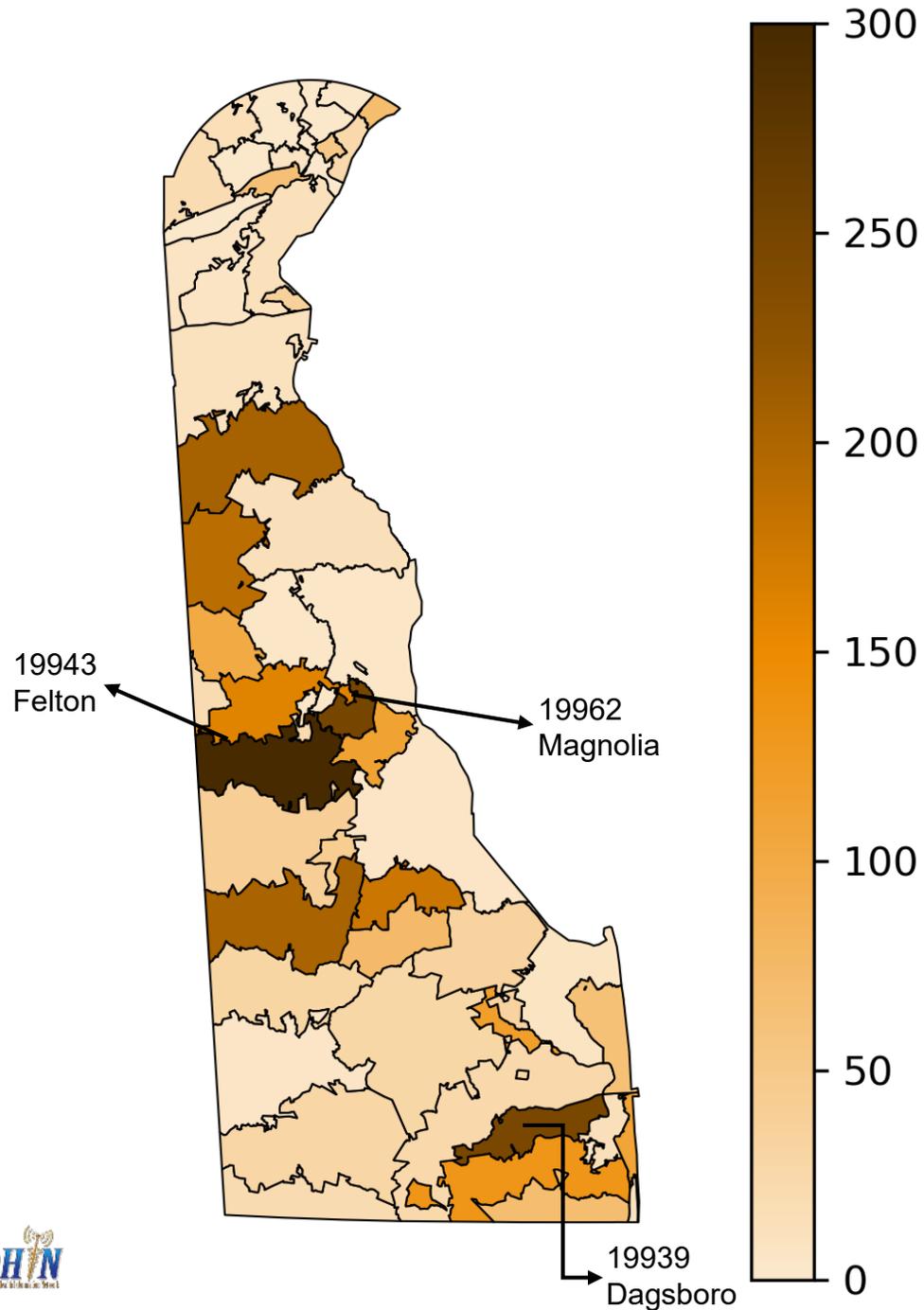
19934
Camden

19943
Felton



Ischemic Heart Disease

Number of Patients: 19621
Number of Providers: 2764



Conclusions

- Healthcare utilization overall is growing alongside the growth that we are seeing in the overall Delaware population
- How health care services are utilized depends on diagnosis
 - There may be fewer patients who have Chronic Kidney Disease but more claims filed by each patient while there may be more patients who have Hyperlipidemia, but fewer claims filed by each
- Over the past four years the ratio of patients to providers has decreased indicating that growth in provider services is helping to meet the needs of Delaware's growing population
- Looking to the future, important to consider both regional distributions of needs and diagnosis specific care

References

1. <https://www.cdc.gov/chronic-disease/about/index.html>
2. <https://www.nucc.org/index.php/code-sets-mainmenu-41/provider-taxonomy-mainmenu-40>



Questions

