

The Role of All Payer Claims Databases (APCDs) in Understanding Public Health Trends

North Carolina Institute of Medicine
Task Force on All-Payer Claims Database



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- ▶ Specialists in health claims and evidence-based health policy since 2005
- ▶ Assisted **strategy, implementation** and **operations** of APCDs in 16 states
 - Stakeholder engagement
 - Legislation and regulation; governance
 - Vendor selection and oversight
 - Project Management
 - Analytics and reporting plan
 - Sustainability

Public Health Use Cases

- ▶ The aggregated claims data collected by APCDs can be used to understand **state-wide** and **regional** trends of:
 - Disease prevalence
 - Disease incidence
 - Total cost of care
 - Medication utilization
 - Treatment patterns
 - Readmission rates
 - Disparities in care
 - Overutilization, appropriateness of care

Example: Colorado

Filter the Claims Data:

Select criteria below to filter the data from the APCD.

Type of healthcare metric:

Depression Prevalence

[What's this?](#)

Type of payer data:

All Current Payers

[What's this?](#)

Show data for:



Display Results:

Select how you would like the results displayed.

View by:

County

[What's this?](#)

Show metric as:

Actual value

% change from previous year

Map | Data Sheet

Click on up to three areas on the Map below, for detailed reporting.

Export

Counties selected for reports:

No areas selected.

Create Report

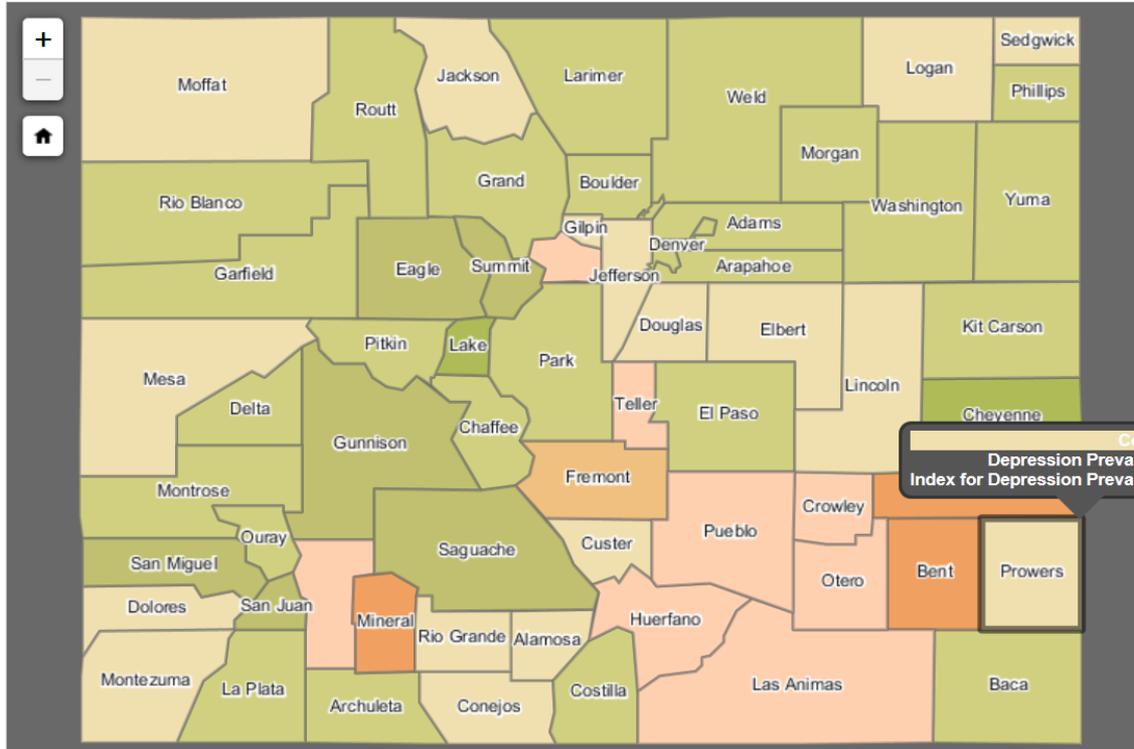
Help

- [All Current Payers](#)
- [Compared to Expected \(C2E\)](#)
- [Completeness Score \(C-score\)](#)
- [County](#)
- [Depression Prevalence Index](#)

Legend

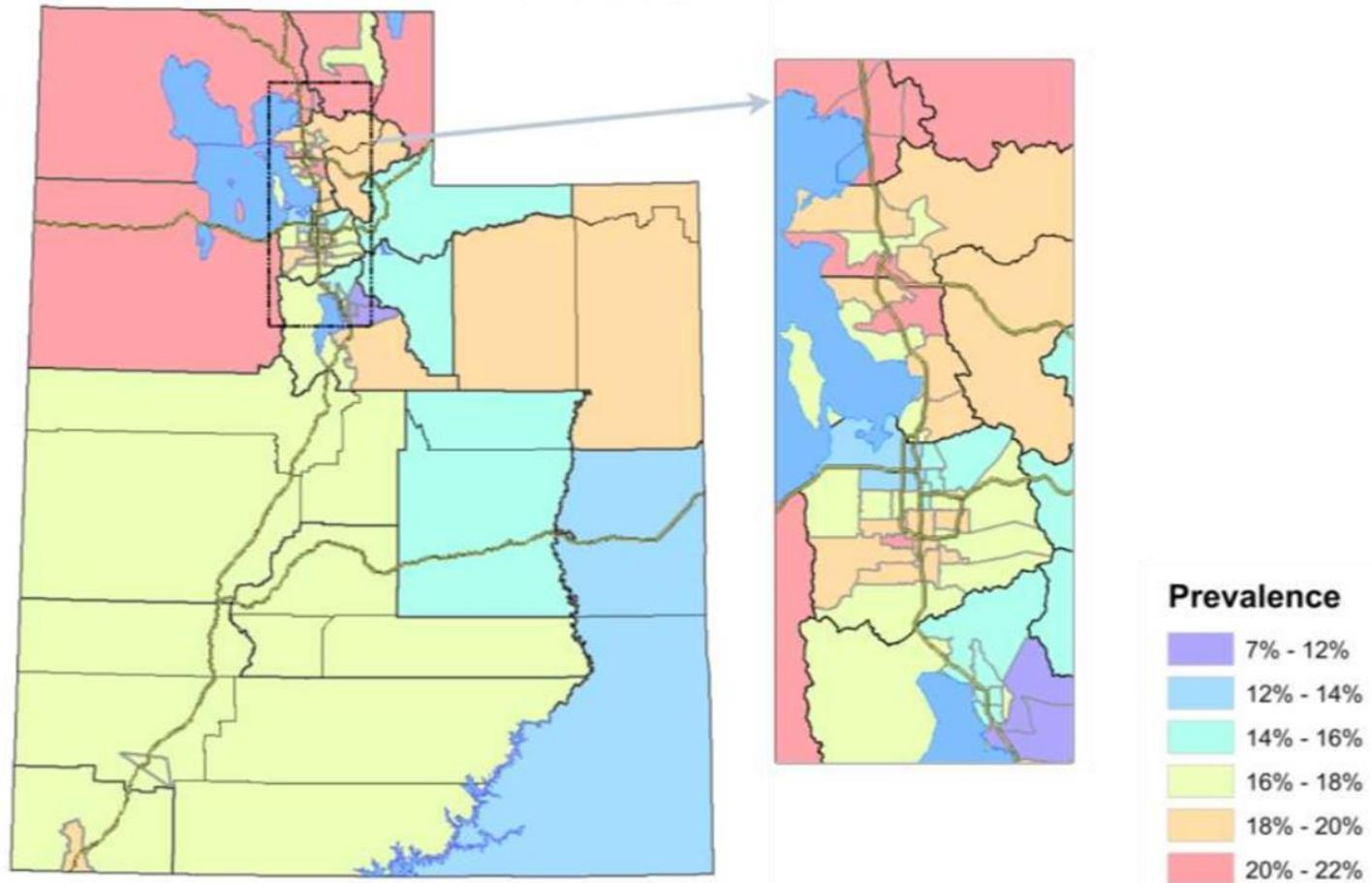
Depression Prevalence

- 3% to 4%
- 4% to 5%
- 5% to 6%
- 6% to 7%
- 7% to 8%
- Greater than 8%
- No Data



Example: Utah

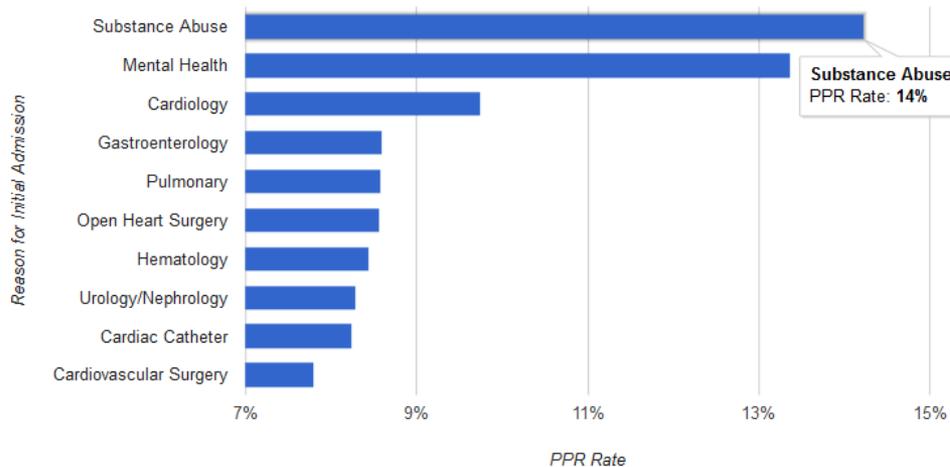
**Prevalence of Antidepressant Use by Small Area (2009)
Females Ages 18-64**



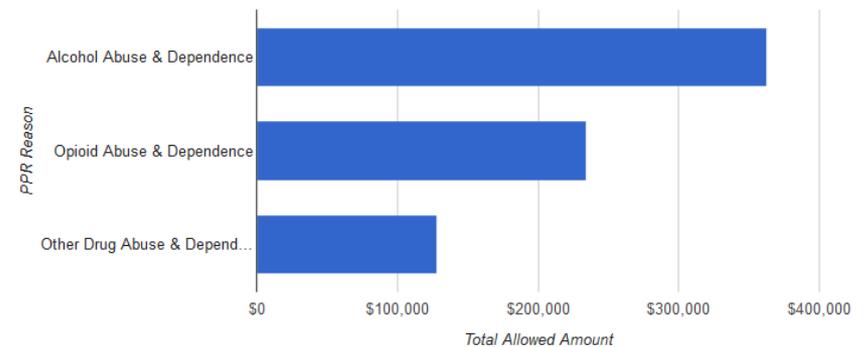
Example: Rhode Island

- ▶ Health Facts RI (RI APCD) report “Potentially Preventable Readmissions Related to Behavioral Health in Rhode Island”

Top 10 Reasons for Initial Admissions that Result in Potentially Preventable Readmissions (2013)



Total Cost for PPRs Related to a Substance Use Disorder Initial Admission (2013)

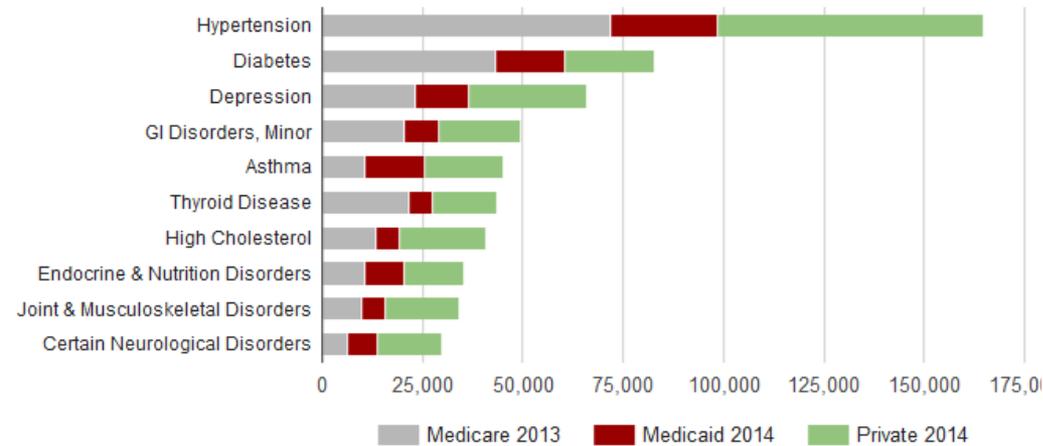


Example: Rhode Island

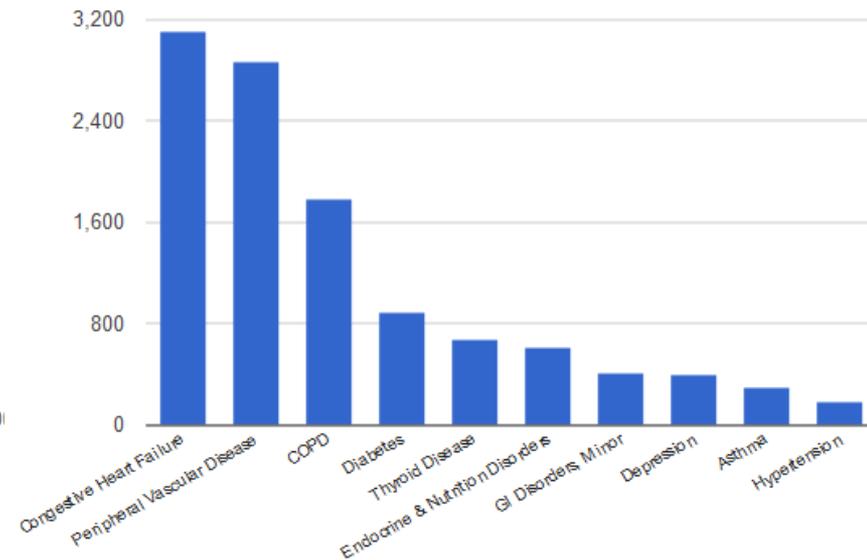
- ▶ Health Facts RI (RI APCD) report "A Preliminary Look at Chronic Conditions in Rhode Island"

Top 10 Most Common Chronic Conditions in Rhode Island

Total Number of Insured Rhode Islanders with Each Condition



Inpatient Admissions (per 1,000 insured Rhode Islanders/Year) for Patients with High Spending Conditions



Discussion

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