CRISP

HERC/Pathways

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About CRISP

Regional Health Information Exchange (HIE) serving Maryland, and West Virginia and the District of Columbia.

Vision: To advance health and wellness by deploying health information technology solutions adopted through cooperation and collaboration.

	Maryland
Live hospitals	All acute care hospitals
Provider Orgs using ENS or Query Portal	1,350+
Unique patients in our index	+17.9 million
Patient searches	+363,000/month (337k found)
Encounter alerts sent	+2.5MM/month (4MM 6/2019)
PDMP Queries	2.5MM/month

CRISP Data 101

- Many data sources (100s)
- Mapped to single patient record using our Master Patient Index
- For data to be effectively used for reporting:
  1. CRISP Participant must choose to share data with CRISP
  2. CRISP and Participant policies allow for specific data use
  3. Data must be discrete (for reporting)
  4. Data must be coded
  5. Data must be stored
- Can combine with publicly available, deidentified data (BRFSS)

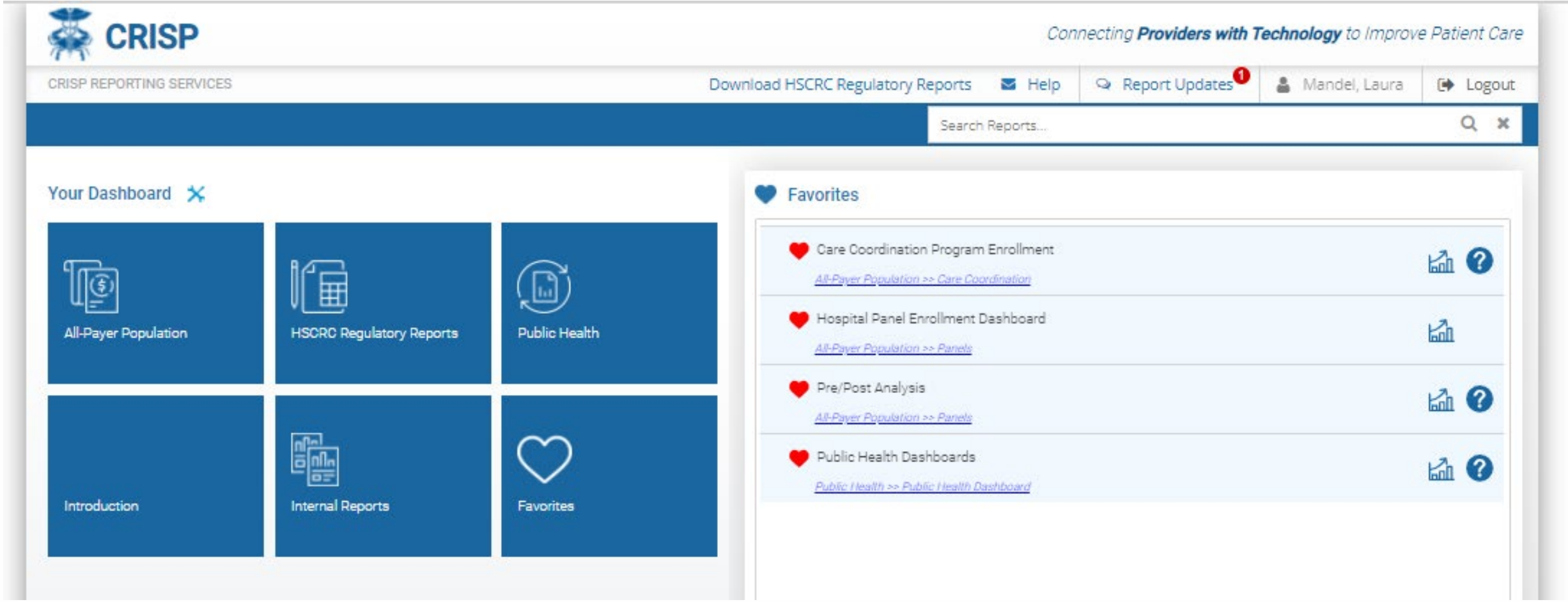
CRISP Sources

Type of source	Data in source	Notes
All Payer Hospital Claims data	Encounters, diagnoses, cost	High data coverage and quality (hospital only)
Medicaid/Medicare Claims data	Encounters, diagnoses, pharmacy	High data coverage and quality, special approval required
Direct Source Data- Admit/discharge info, clinical documents, labs	Encounters, diagnoses, notes, labs	Variable data coverage and quality
Patient Panels	CRISP Participants send in participating patients	Not all providers included

CRISP's role in HERCs

- Support reporting and analytics for the CHRC
- Provide access to hospital claims-based data dashboards to applicants for planning purposes
- Provide data dashboards to grantees for outcome and program monitoring
- Deliver data to CHRC and evaluators

CRISP Reporting Services



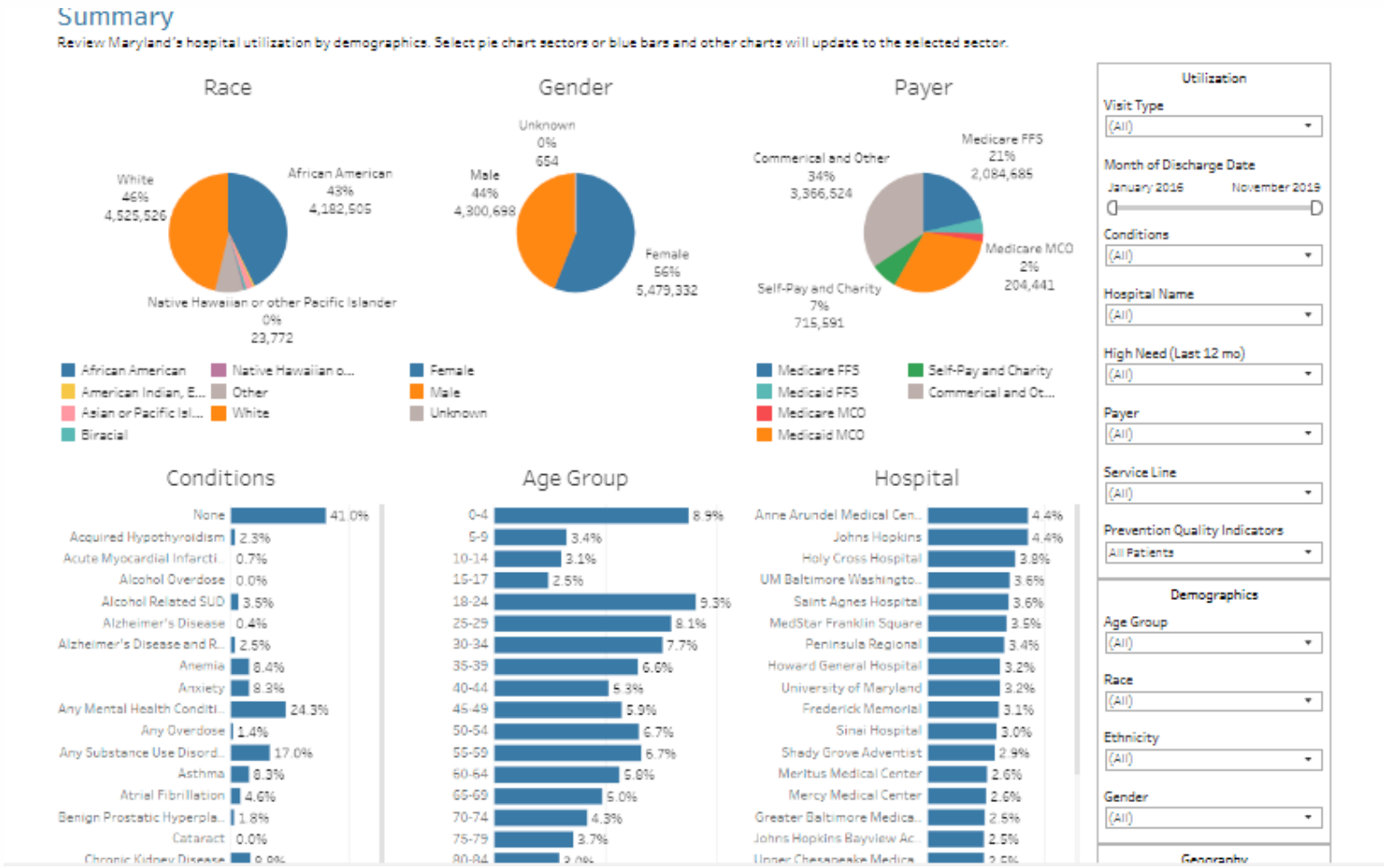
Public Health Dashboard

Data Source:

CaseMix – hospital claims based data

Examples of Key Questions:

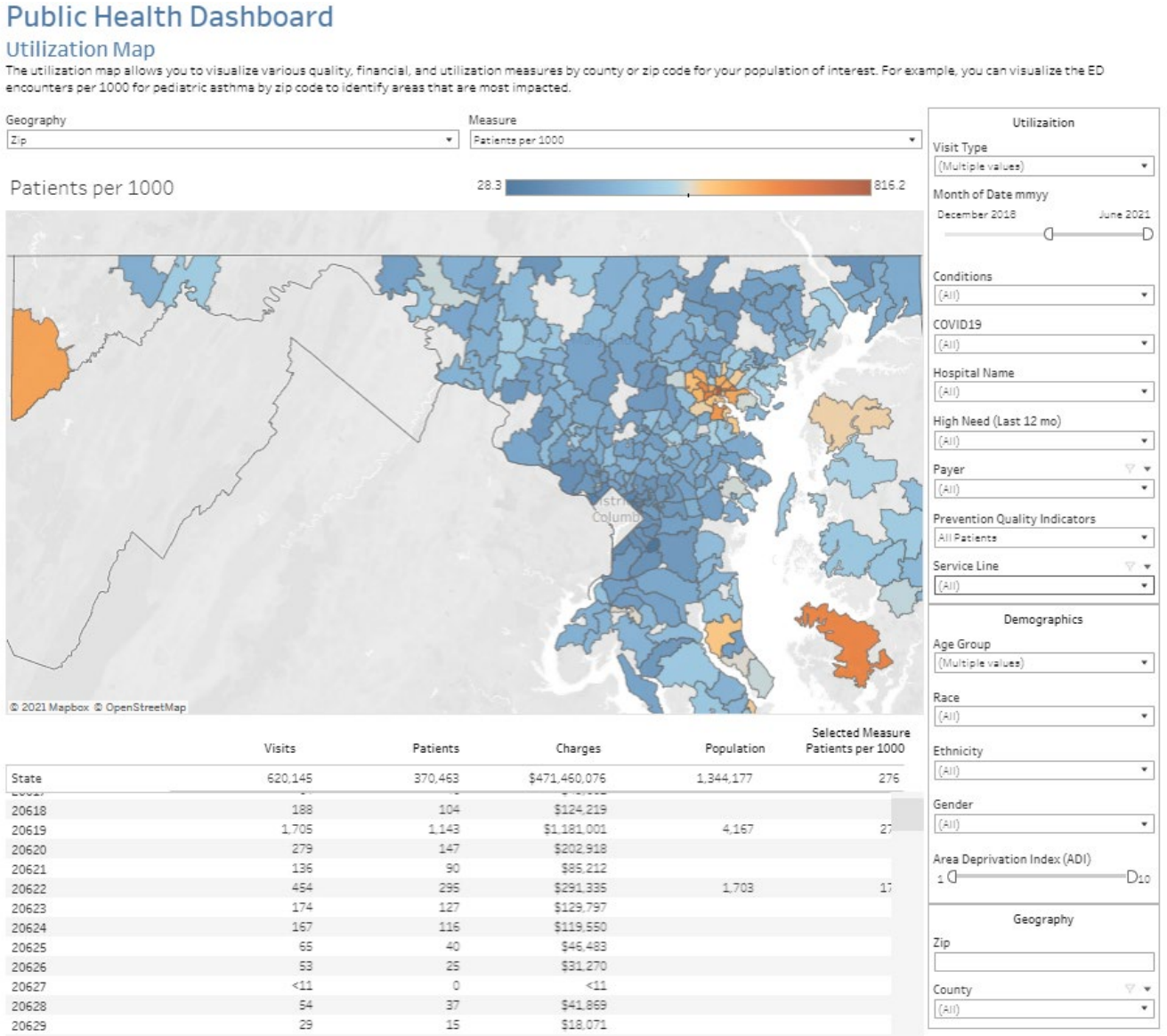
- What is age distribution of diabetes hospitalizations in the county?
- What is the racial makeup of teenagers experiencing asthma at St Agnes?



Public Health Dashboard (con't)

Question:

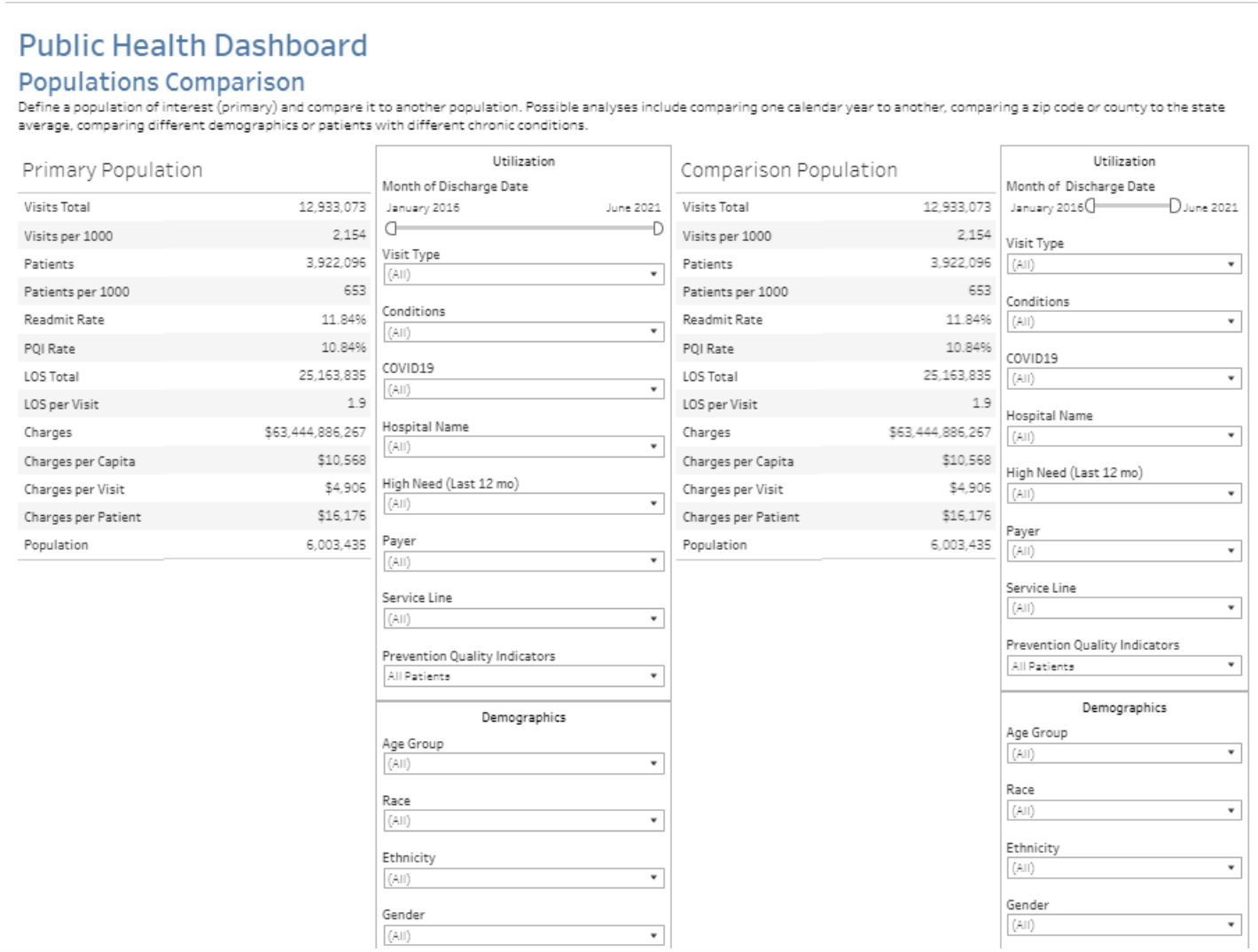
- Which zip codes in the state have the most ED pediatric patients per population?



Public Health Dashboard (con't)

Questions:

- What are the outcomes for the geography of interest before and after an intervention time period?
- What are the racial disparities in diabetes hospitalizations in a county?



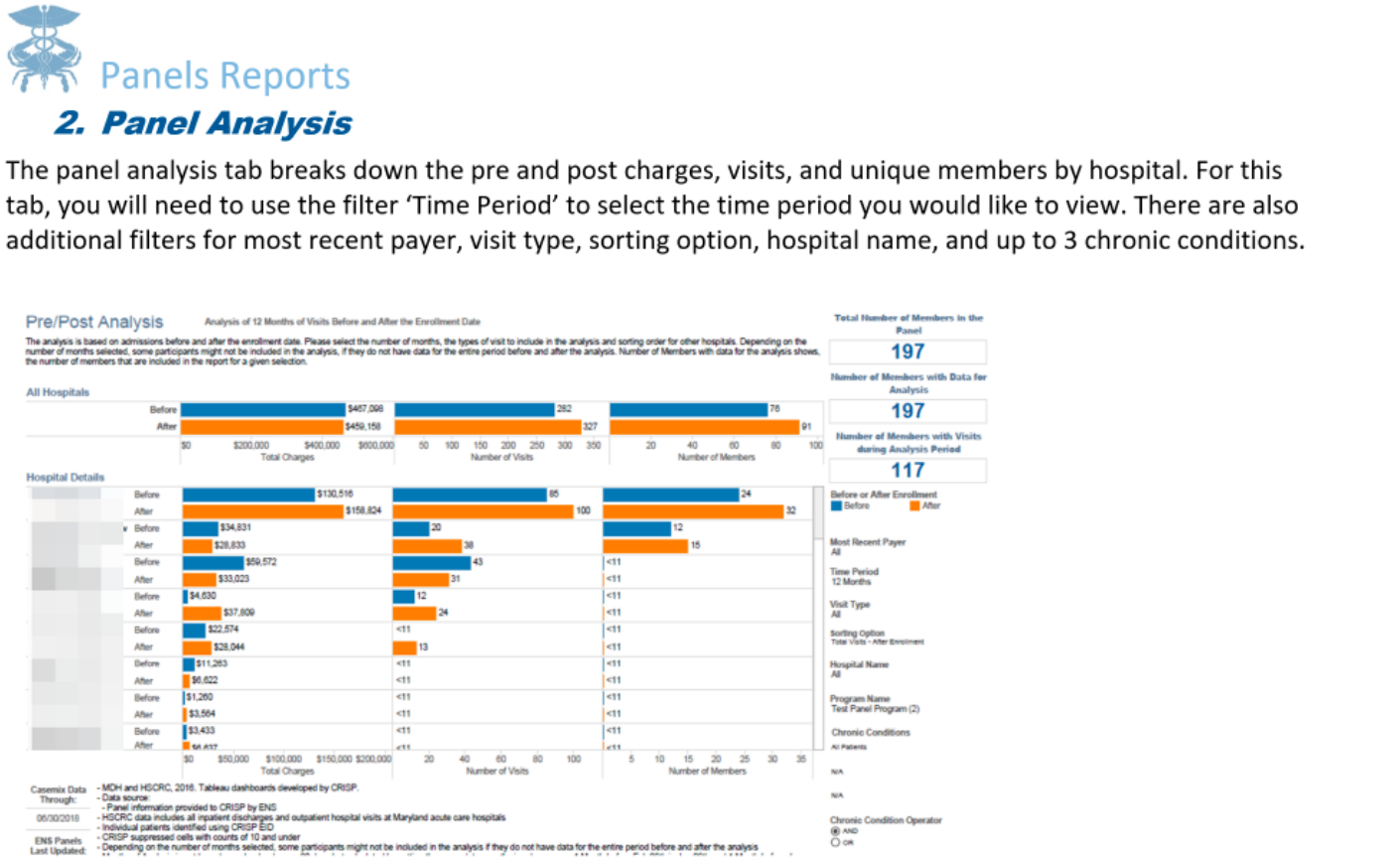
Pre/Post Reports

Data Source:

CaseMix

Key Questions:

- How has my program impacted the cost and utilization of patients it reaches before and after enrollment?



Example of Program Reporting: SIHIS Dashboard

- Provide a simple dashboard to support Maryland Department of Health monitor progress towards SIHIS goals
- Many population health SIHIS goals use surveillance data that are lagged in reporting
- Identify proxy measures that are directionally indicative of the official SIHIS goals, but use more timely data sources

Key Elements of the SIHIS Dashboard

- The dashboard will measure the percent change from the 2018 baseline to present
- Where possible, the dashboard will include comparisons to national benchmarks or stated SIHIS targets
- Breakouts by race and ethnicity will support monitoring health equity

Visual Framework

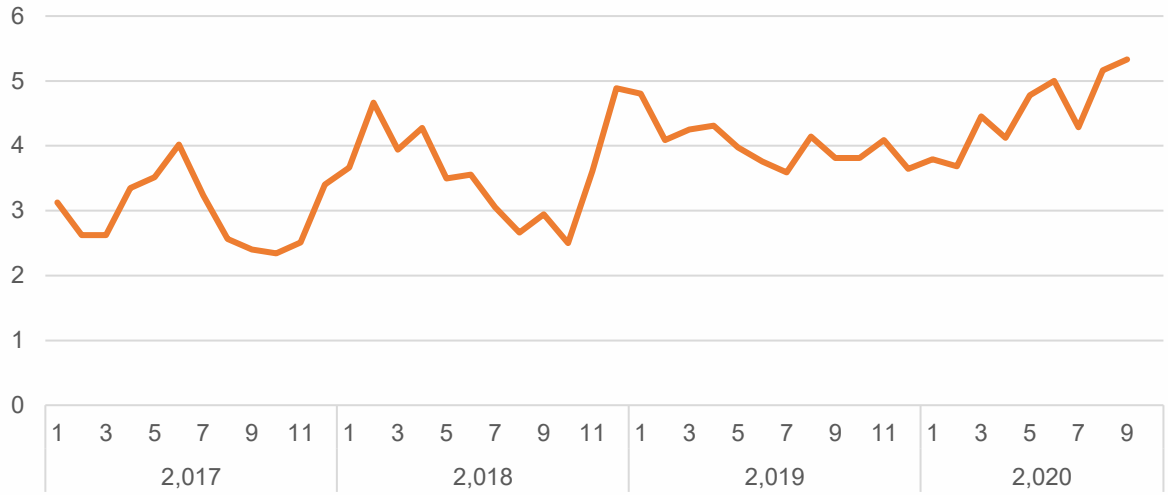
[Measure of Interest] Percent Change from Baseline and Comparison to National Average

	2018 Baseline (A)	May 2020-April 2021 (B)	Percent Change (B-A)/A	National Comparison Change
Rates/ 100k Population	37.3	41.1	10.4%	30.5%
Total Count	2,253	2,541	12.8%	32.1%

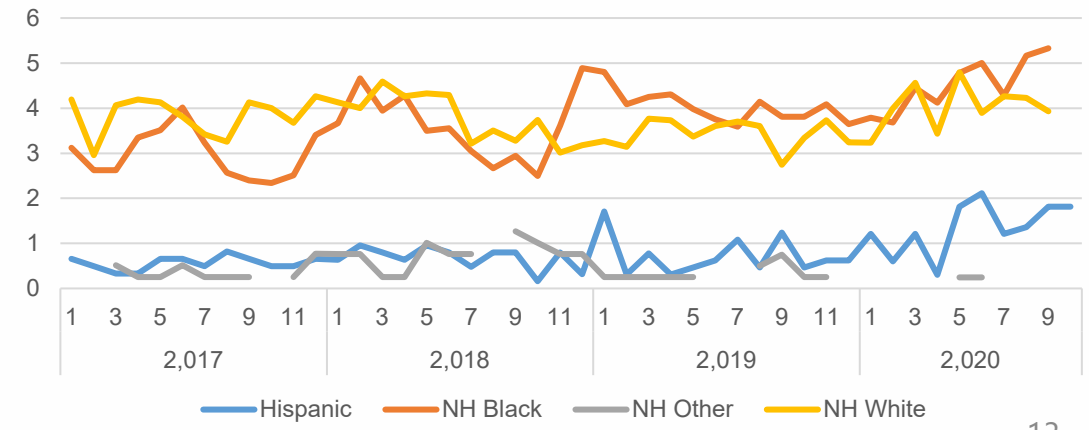
[Measure of Interest] by Race and Ethnicity Percent Change from Baseline and Disparity Index

Race/Ethnicity	2018 Baseline	Current Year (most recent rolling 12)	Percent Change	Disparity index (Race : NH White)
NH White	45.5	48.1	5.7%	1.0
NH Black	43.3	53.7	24.1%	1.1
Hispanic	8.1	14.7	81.5%	0.3
NH Other	8.0	5.7	-28.8%	0.12
Statewide Total	37.3	41.1	10.4%	

[Measure of Interest] Over Time



[Measure of Interest] Over Time by Race/Ethnicity



Examples of recommended outcomes measures possible in existing CRISP data

- Outcome measures could align with SIHIS goals
- Outcome measures could be pulled out into a dashboard for grantees
  - Pediatric ED asthma visits
  - Diabetes Hospital visits (PQI 93)
  - Severe maternal morbidity
  - Opioid overdoses
  - Discharges
  - Readmits

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