



TO: Commissioners

FROM: Kenneth Yeates-Trotman, Director, Center for Analysis and Information Systems

DATE: March 21, 2024

RE: A Maryland APCD Data Use Case: Physician and Physician Practice Research Database (3P-RD)

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## Background

At the September 23<sup>rd</sup>, 2021, Commission meeting, Commissioners approved a Medical Care Data Base (MCDB) data request application submitted by the Agency for Healthcare Research and Quality (AHRQ) to determine the proportion of licensed physicians within the state of Maryland providing medical services to a patient population based on the presence of billed healthcare claims data and to determine the practicing associations between physicians and their practices. Below is information about the data release.

### Project Data Sources:

- Maryland Medical Care Data Base (MCDB) Commercial data
- Maryland Medicaid Management Information System (MMIS2)
- National Plan and Provider Enumeration System (NPPES)
- Medicare claims data
- Medicare **Provider Enrollment, Chain and Ownership System** (PECOS)
- Maryland State Medical Board (SMB) data
- Compendium for Health Systems data (AHRQ)

### Project Goals and Objectives:

- To create a prototype database using accessible administrative data to capture the census of active physicians and physician practices within 13 states, including Maryland, and address current data gaps within health services research.
- To identify physicians who are actively providing services, determine physician practice sites, and physician workforce capacity.
- To create a prototype database that is linkable to other databases, such as Healthcare Cost and Utilization Project (HCUP), Medical Expenditure Panel Survey (MEPS), and Medicare and Medicaid claims data.

### Project Outcome:

- Lessons learned from constructing the prototype 3P-RD will be disseminated in professional journals, poster presentations, and conferences.
- Public display of data will reference the feasibility of creating the 3P-RD and the process and procedures followed to create the database.

### Data Requested

- MCDB Commercial data (2018 – 2019):
  - Eligibility
  - Professional Services
  - Institutional
- MCDB Medicaid MCO data (2018 – 2019):
  - Eligibility
  - Professional Services
  - Institutional
- No Medicare Data was requested due to MHCC DUA with CMS

### Project Time Period

- Two-year period: 2021 through 2023

### Data Fees

- Applicant AHRQ requested a waiver for the standard fee of a total non-profit/academic rate for the requested MCDB data, which would be \$12,000 per year of data times four years of data = \$48,000 without the waiver of fees.

## **Results of the Project**

- Information and Databases are available on AHRQ Website at:  
<https://www.ahrq.gov/data/innovations/3p-rd.html#documentation>
- Attached are two 3P-RD reports.
  - 3P-RD Feasibility Report
  - 3P-RD Methodology Report