The data dictionary is considered proprietary information and thus, cannot be hosted online. Should you have a data pull or want a data pull through Ohio State, please reach out to [Jack Chiang](mailto:jack.chiang@osumc.edu) [email].

**Type of Data**

Administrative billing database

**Years Available**

At Ohio State: 2012-2020\*  
Note: 2012-2018 data contain all financial data whereas complete financial data for 2019 and 2020 is available in only 85% of the cohort.

**Short Description**

IBM's MarketScan contains inpatient, outpatient, skilled nursing facility and drug billing data for millions of privately insured individuals across the United States.

**Strengths**

* Financial data including: out-of-pocket costs as well as total costs
* Large sample sizes
* Nine years of data available

**Limitations**

* Not all insurers contribute data so participation is heavily regionalized
* Clinically nuanced data is not available (only data points which can be derived from ICD-9/10 and CPT codes can be utilized)
* Race/ethnicity of beneficiary is unknown
* Geographic information is limited to beneficiary state/region and MSA only
* Provider (physician and hospital) IDs are largely missing and anonymized
* Only in-hospital mortality is known for the earlier years of data - long term mortality is entirely unknown

**SDC Members with Expertise**

* [Jack Chiang](mailto:jack.chiang@osumc.edu) [email] (pulls all MS data at Ohio State and [1 publication](https://pubmed.ncbi.nlm.nih.gov/34605130/) [external link])
* [Mohamed Elsaid](mailto:Mohamed.Elsaid@osumc.edu) [email] ([7 publications](https://pubmed.ncbi.nlm.nih.gov/?term=Mohamed+Elsaid+marketscan&sort=fauth&size=200) [external link])
* [Yevgeniya Gokun](mailto:yevgeniya.gokun@osumc.edu) [email] ([1 publication](https://pubmed.ncbi.nlm.nih.gov/34665155/) [external link])
* [Mahmoud Abdel-Rasoul](mailto:mahmoud.abdel-rasoul@osumc.edu) [email]