

Databases in the IMEDS Research Lab

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Abbreviation	Name	Description	Population	Observation time	Drugs	Conditions	Procedures	Observations
CCAE	MarketScan Commercial Claims and Encounters	Represents privately insured population and captures administrative claims with patient-level de-identified data from inpatient and outpatient visits and pharmacy claims of multiple insurance plans.	Total:141.8m %male:48.9 Mean Age(SD): 36 (18.57)	Pt-years: 339.8m 2003-2013	Records : 2,876.1m NDC from pharmacy dispensing claims HCPCS/CPT/ICD9P procedures from inpatient/outpatient medical claims	Records : 4,604.6m ICD9 from inpatient/outpatient medical claims	Records : 9,845.2m HCPCS/CPT/ICD9P procedures from inpatient/outpatient medical claims	Records : 385.4m LOINC from outpatient laboratory services
MDCD	MarketScan Multi-State Medicaid	Contains administrative claims data for Medicaid enrollees from multiple states, including inpatient, outpatient, and pharmacy services.	Total:19.8m %male:42.4 Mean Age(SD): 28.0 (23.1)	Pt-years: 56.5m 2002-2012	Records : 878m NDC from pharmacy dispensing claims HCPCS/CPT/ICD9P procedures from inpatient/outpatient medical claims	Records : 1,431.9m ICD9 from inpatient/outpatient medical claims	Records : 2,585.8m HCPCS/CPT/ICD9P procedures from inpatient/outpatient medical claims	Not available
MDCR	MarketScan Medicare Supplemental Beneficiaries	Captures administrative claims for retirees with Medicare supplemental insurance paid by employers, including services provided under Medicare-covered payment, employer-paid portion, and any out-of-pocket expenses.	Total:10.6m %male:44.8 Mean Age(SD): 78 (9.5)	Pt-years: 32m 2003-2013	Records : 805.6m NDC from pharmacy dispensing claims HCPCS/CPT/ICD9P procedures from inpatient/outpatient medical claims	Records 1,121.2m ICD9 from inpatient/outpatient medical claims	Records : 1,886.2m HCPCS/CPT/ICD9P procedures from inpatient/outpatient medical claims	Records : 20.7m LOINC from outpatient laboratory services
MSLR	MarketScan Lab Supplemental	Represents privately insured population that has at least one recorded laboratory value, with administrative claims from inpatient, outpatient, and pharmacy services supplemented by laboratory results.	Total:4.4m %male:35.9 Mean Age(SD): 44.8 (17.2)	Pt-years: 8.9m 2003-2011	Records : 124.5m NDC from pharmacy dispensing claims HCPCS/CPT/ICD9P procedures from inpatient/outpatient medical claims	Records :224.5m ICD9 from inpatient/outpatient medical claims	Records : 415.8m HCPCS/CPT/ICD9P procedures from inpatient/outpatient medical claims	Records : 234.9m LOINC from outpatient laboratory services
GE	GE Centricity	The GE MQIC (Medical Quality Improvement Consortium) represents the group of providers who use the GE Centricity Electronic Medical Record and who contribute their data for secondary analytic use. The GE MQIC database reflects events in usual care, including patient problem lists, prescribing patterns and over-the-counter use (OTC) of medications, and other clinical observations as experienced in the ambulatory care setting.	Total:33.3m %male:42.7 Mean Age(SD): 44 (22.5)	Pt-years: 73.6m 1986-2014* *1986 is first year with more than 10,000 people	Records : 824.4m GPI from medication history and prescriptions written	Records : 322.6m ICD9 from problem list	Records : 637m CPT from procedure list	Records : 4,620.3m LOINC for laboratory values, SNOMED for chief complaints, signs and symptoms
OSIM2		OMOP Simulated data, modeled after MSLR	Total : 10m % male : 35% Mean Age (SD): 37.6 (17.7)	Pt-years: 16.4m 2003-2007	Records: 118.5m RxNorm concepts, modeled after DRUG_ERA table from MSLR_CDM_MEDDRA	Records: 174.7m MedDRA concepts, modeled after CONDITION_ERA table from MSLR_CDM_MEDDRA	Not simulated	Not simulated