

HEALTH CARE CLAIMS DATA

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Big Health Data

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Optum Claims Data and Optional Data Links

EMR Data Also Available



What are Health Care Claims Data?

- Claims history is a profile of all outpatient prescription pharmacy services provided and covered by the health plan. Pharmacy claims data include drug name, dosage form, drug strength, fill date, days of supply, financial information, and de-identified patient and prescriber codes, allowing for longitudinal tracking of medication refill patterns and changes in medications.
- Medical claims or encounter data are collected from all available health care sites (inpatient hospital, outpatient hospital, ER, physician's office, surgery center, etc.) for virtually all types of provided services, including specialty, preventive and office-based treatments. Claims for ambulatory services submitted by individual providers, e.g., physicians, use the CMS-1500 formats. Claims for facility services such as hospitals, use the UB-04, or CMS-1450 formats.
- Medical claims include: multiple diagnosis codes recorded with the ICD-9-CM diagnosis codes; procedures recorded with ICD-9-CM procedure codes, CPT or HCPCS codes; site of service codes; provider specialty codes; revenue codes (for facilities); paid amounts; and other information. Typically, facility claims do not include medications dispensed in hospital.

Optum Commercial Research Data Base Demographics

Attribute	Optum Lives 2013	2013 US Privately Insured	2013 US Population
Gender			
Male	50.5%	49.0%	49.0%
Female	49.5%	51.0%	51.0%
US Region			
Northeast	9.6%	19.0%	17.7%
Midwest	26.6%	23.3%	21.3%
South	44.9%	34.9%	37.3%
West	19.0%	22.7%	23.6%
Age Group			
0-17	22.8%	22.4%	23.8%
18-44	44.2%	36.0%	35.9%
45-64	29.8%	29.4%	26.3%
65+	3.2%	12.2%	13.9%

Optum Medicare Advantage & Part D Data Base Demographics

Attribute	Optum Lives, 2013	Medicare Advantage, 2012	All Medicare, 2012
Gender			
Male	44%	43%	45%
Female	56%	57%	55%
US Region			
Northeast	21%	20%	19%
Midwest	30%	21%	22%
South	39%	32%	38%
West	10%	27%	21%
Age Group			
Under 65	13%	13%	17%
65-74	50%	48%	46%
75-84	26%	28%	25%
85+	10%	11%	12%

Use of Claims Data to Improve Patient Outcomes

Big Data Produces Big Outcomes



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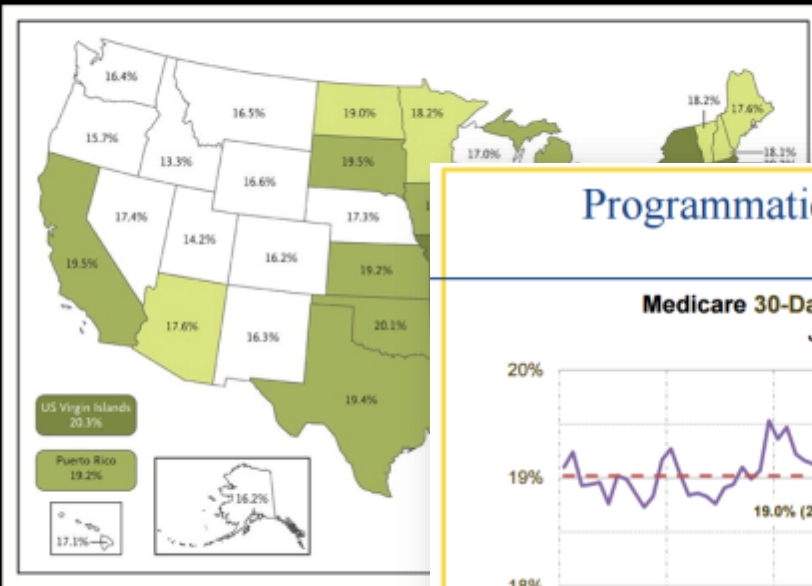
SPECIAL ARTICLE

A Correction Has Been Published >

Rehospitalizations among Patients in the Medicare Fee-for-Service Program

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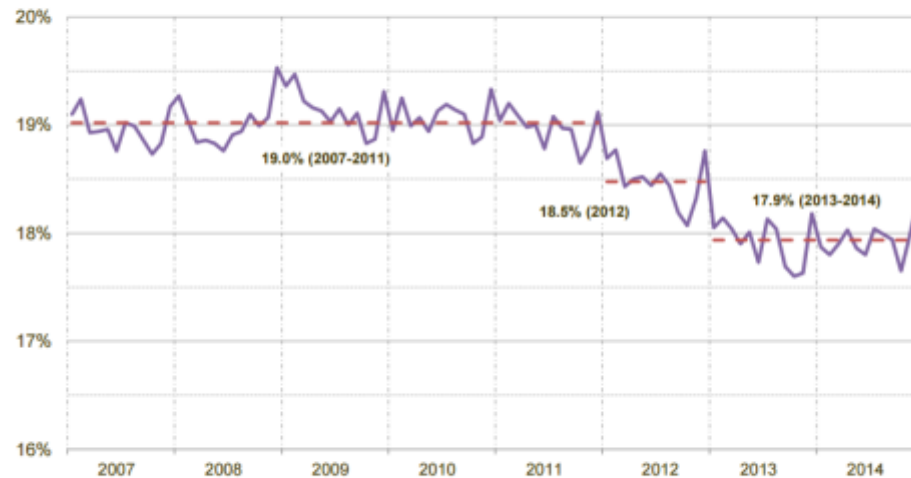
Rates of Rehospitalization within 30 Days after Hospital Discharge.



Jencks SF et al. N Engl J Med 2009;360:1418-1428.

Programmatic Use of CMS Data – Tracking Readmissions

Medicare 30-Day, All-Condition Hospital Readmission Rate
January 2007 - December 2014



Monthly Readmission Rate

Mean Rate for Period



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