







Commission on Evidence-Based Policymaking

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Introduction to CMS

Over <u>140 million Americans</u> receive healthcare coverage through programs administered by CMS

Medicare

Health insurance for individuals age 65 and older, as well as those with disabilities

Medicaid/CHIP

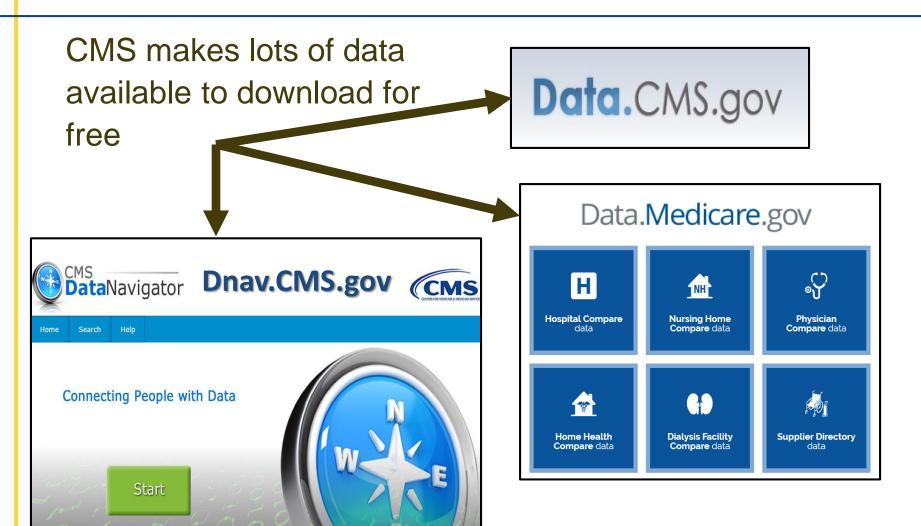
Health insurance managed by the states for individuals with lower incomes

Health Insurance Marketplaces

A resource that allows individuals to sign-up for private health insurance with tax credits to offset premiums



Finding CMS Publicly Available Data





Releasing Machine Readable Data – Provider Payment and Utilization Files

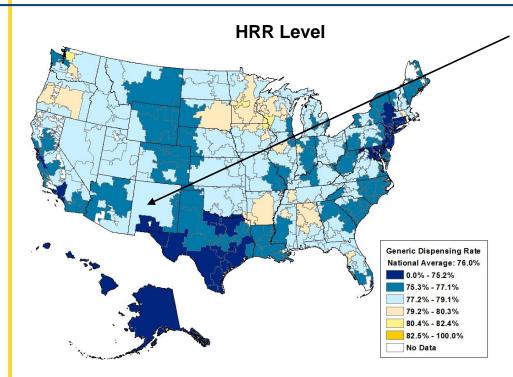
- Public data sets with payment and utilization information for services and procedures provided to Medicare beneficiaries
- Data released to date covers > 85% of Medicare program payments

	May 2013	April 2014	April 2015	Oct 2015	Dec 2015	Mar 2016	Oct 2016
	Hospital Inpatient & Outpatient	Physician & Other Supplier*	Part D Prescriber	DME and POS	Home Health Agency	Skilled Nursing Facility	Hospice
'	 3,000 Hospitals 150,000 records \$62B in payments 	 880,000 NPIs 9M records \$90B in payments 	 Over 1M NPIs 23M records \$103B in drug costs 	385,000 NPIs1.9M records\$11B in payments	 11,000 HHAs 100,000 records \$18B in payments 	 15,000 SNFs 80,000 records \$28B in payments 	 4,000 Hospices 4,000 records \$15B in payments

*Updated to include demographic and health information associated with the provider's beneficiary panel in **October 2015**



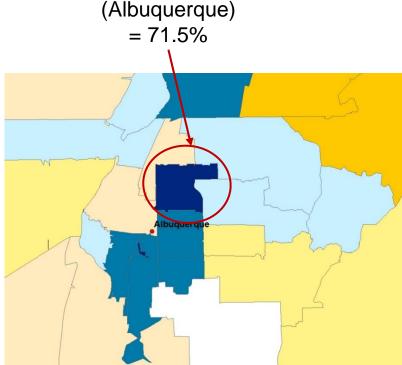
Medicare Part D Generic Dispensing Rate



Across NM ZIP-codes, generic dispensing rates range from 0% to 100%. One-third of NM ZIP-codes have rates below the state average.

The national average for dispensing generic drugs is 76.0%. NM's state average (77.2%) is slightly higher.

7IP-code 87109





Part D Prescribers in Albuquerque (ZIP-code 87109)

Albuquerque, NM: ZIP 87109

545 Providers, Average GDR = 71.5%

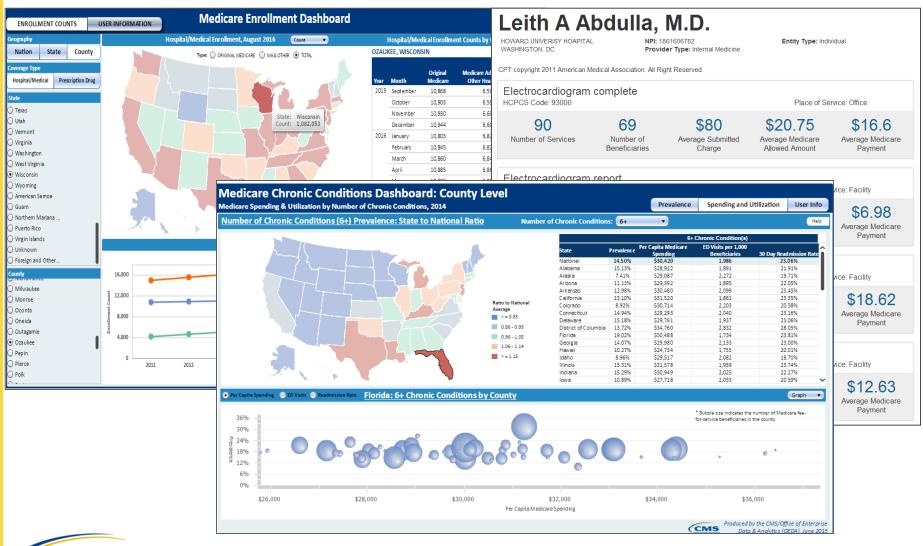
		Drug	Generic	Generic Drug
Provider Name	Provider Specialty	Claims	Drug Claims	Dispensing Rate
A. Weinstein	Ophthalmology	4,834	594	12.3% ———
J. Dorf	Pulmonary Disease	2,963	515	17.4%
T. Watterberg	Ophthalmology	2,123	433	20.4%
V. Valentine	Clinical Nurse Specialist	1,078	348	32.3%
R. Allen	Ophthalmology	1,713	619	36.1%
J. Krawchuck	Nurse Practitioner	1,371	604	44.1%
B. Monson	Ophthalmology	1,096	521	47.5%
R. Patel-Trujillo	Internal Medicine	1,757	877	49.9%

These 8 providers all have at least 1,000 total drug claims and a generic drug dispensing rate (GDR) < 50%.

The most prescribed brand name drug by this provider is Vigamox, which accounted for 34.2% of his total claims (\$188,354)



Building Consumer Friendly Interfaces





Enabling Cutting Edge Health Care Research







- Research Data Assistance Center (ResDAC) provides assistance to researchers interested in using Medicare and/or Medicaid data
- The Chronic Condition Warehouse (CCW) is CMS' research data warehouse designed to support external researchers and internal CMS research and analytic functions
 - Contains over 315B records with 1B records added monthly
 - Unique beneficiary ID allows data linkages across all CCW data
- New innovator research data access expands current data release policy to allow innovators to access CMS data to create products they intend to sell

Available Research Data Files

- Medicare enrollment and claims (1999-current)
- Medicare Part D event data (2006-current)
- Medicaid eligibility and claims (1999-2013)
- Assessment data (instrument inception-current):
 - Long Term Care Minimum Data Set (MDS)
 - Home Health Outcome and Assessment Information Set (OASIS)
 - Inpatient Rehab Facility Patient Assessment Instrument (IRF-PAI)
- Shared Savings Program and Pioneer ACO files (2013-current)
- Medicare Data on Provider Practice and Specialty (2008-current)
- Administrative data linked to surveys (e.g., Health and Retirement Survey, National Health and Aging Trends Study)



Types of Research Data Files

- CMS makes two types of files available to researchers
 - Limited Data Set (LDS) files which excludes specific direct identifiers, including name, address, HIC, SSN, DOB, ZIP Code and medical record number
 - Research Identifiable Files (RIFs) which are custom CMS data extracts that may contain direct beneficiary identifiers
- LDS files are easier to request (less documentation and CMS review)
 but users face additional limitations on use of the data

	Research Identifiable	Limited Data Sets
Requires CMS Privacy Board Review?	Yes	No
Data file can be customized to only include a specific cohort (e.g., diabetics residing in MN)	Yes	No
Data can be linked to non-CMS data using a beneficiary identifier (SSN or Medicare id)	Yes	No



Virtual Research Data Center (VRDC)

- Researchers have been receiving CMS data for decades
 - Requests have grown exponentially over the past couple years
 - Researchers are requesting more timely and less expensive data
- CMS developed the VRDC to meet researchers evolving needs
- VRDC is a secure and efficient means for researchers to virtually access and analyze the vast store of CMS data in the CCW
- VRDC benefits
 - Lower cost, more timely data
 - Researchers use own laptop to securely access and analyze data remotely
 - Increased security for sensitive data
 - Additional privacy protections no beneficiary identifiable data may leave the secure environment



