



CMS Perspectives on Transparency and The Use of Data to Drive Patient Centered Care

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Introduction

- CMS is the largest single payer for health care services in the US
 - Expected to serve over **125 million individuals** in 2016 between the:
 - Medicare program (health insurance for individuals age 65 and older, as well as those with disabilities)
 - Medicaid/CHIP program (health insurance managed by the states for individuals with lower incomes)
 - Over **11 million plan selections** during the 2015 open enrollment period for the federal and state health insurance marketplaces
 - **2.5 billion claims** submitted annually for the Medicare FFS program alone
- Significant new data sources
 - Meaningful use of health information technology
 - Provider quality information
 - Health Insurance Marketplace data
- Trusted to protect beneficiary privacy



CMS Data and Delivery System Reform

- Information is a key driver of delivery system transformation
 - CMS data can provide critical insights that can inform and drive health system change and make the system more transparent, affordable, and accountable
 - All health system actors can benefit from better data and information and a vibrant health data ecosystem
- To promote delivery system transformation, CMS is:
 - Employing advanced analytics to create actionable information products, accelerate transparency, inform policy decisions and evaluate programs
 - Routinely and safely sharing data with numerous stakeholders to drive health care quality and efficiency improvements and lower health care costs
 - Driving unprecedented efforts around health data transparency



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CMS Data Transparency

- Better access to health system information is a key goal of the Secretary's Delivery System Reform initiative
- CMS, HHS, and the White House have made a commitment to greater data transparency
 - Since 2010, CMS has released an unprecedented amount of aggregated, de-identified data in machine-readable form
 - Geographic Variation and Chronic Condition PUFs
 - Hospital Inpatient, Hospital Outpatient, and Physician PUFs
- CMS Data Navigator (<https://dnav.cms.gov/>) makes it easy to find CMS data and information products on our website



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Medicare Provider Utilization and Payment Data

- Public data sets with payment and utilization information for services and procedures provided to Medicare beneficiaries
- Data released to date covers 60% of Medicare program payments



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User Friendly Interfaces

- Search for a provider by name, address, or National Provider Identifier (NPI)
- Tool returns information about the services the provider furnished to Medicare beneficiaries
- Available for services/procedures (Part B data) and prescription drugs (Part D data)

Leith A Abdulla, M.D.
HOWARD UNIVERSITY HOSPITAL, WASHINGTON, DC NPI: 1991506732 Entity Type: Individual
Provider Type: Internal Medicine

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| Service | HCPCS Code | Place of Service | Number of Services | Number of Beneficiaries | Average Submitted Charge | Average Medicare Allowed Amount | Average Medicare Payment |
|----------------------------|------------|------------------|--------------------|-------------------------|--------------------------|---------------------------------|--------------------------|
| Electrocardiogram complete | 93000 | Office | 90 | 69 | \$80 | \$20.75 | \$16.6 |
| Electrocardiogram report | 93010 | Facility | 72 | 57 | \$32.28 | \$8.85 | \$6.98 |
| Cardiovascular stress test | 93016 | Facility | 38 | 38 | \$82 | \$23.28 | \$18.62 |
| Cardiovascular stress test | 93018 | Facility | 38 | 38 | \$57 | \$15.79 | \$12.63 |

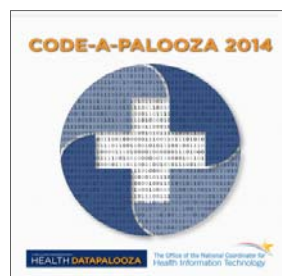


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Significant Use of Data by External Stakeholders



- Access to granular data promotes development of external tools
- Data used in several “hackathons” including at Health Datapalooza in 2014



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Data Sharing for Care Coordination

- CMS is sending near real-time monthly data to facilitate care coordination to:
 - Accountable Care Organizations (ACOs) for patients assigned to the ACO
 - State Medicaid programs for Medicare-Medicaid enrollees
- Data is essential for analyzing the full continuum of care for beneficiaries
- Feeds include beneficiaries' entire claims history, including all service types, procedures and supplies.
- Opportunity for private sector to help transform the data to clinical information



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Data Sharing for Performance Measurement

- Qualified Entity (QE) Program authorizes the release of Medicare claims data to QEs for performance evaluation of providers
- QE Program changes the performance measurement landscape by facilitating the creation of actionable performance reports that cover all/most of a providers' practice



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MACRA Changes to Qualified Entity (QE) Program

- Currently, QEs may only use Medicare data to create public reports that evaluate the performance of providers of services and suppliers
- The Medicare Access and CHIP Reauthorization Act (MACRA) expands permissible uses of CMS data to allow QEs to:
 - Provide or sell analyses to authorized users for non-public use
 - Authorized users include providers/suppliers, issuers, employers, medical societies/hospital associations, and any other entity approved by the Secretary
 - Provide/sell combined data OR provide Medicare claims data at no cost to providers/suppliers and medical societies/hospital associations for non-public use
- MACRA also includes additional privacy and security requirements for QEs, such as requirements for a data use agreement (DUA) between the QE and the authorized user and fines for a breach



CMS Launched BlueButton in 2010 and it is still in regular use today

Federally Inspired BlueButton Community

- VA
- DoD (TRICARE)
- CMS

Your Report: JOHN A DOE

| | | |
|--------------------|---------------------------------|---------------------|
| Personal Profile | | |
| Name: | JOHN DOE | Date of Birth: |
| Address: | 123 ANY ROAD | Part of Record Set: |
| Phone Number: | 215-248-0684 | 001/2014 |
| Emergency Contact: | Demographic | |
| Primary: | Source: MyMedicare.gov | |
| Phone Number: | Name: JOHN DOE | |
| | Date of Birth: 1/1/1910 | |
| | Address Line 1: 123 ANY ROAD | |
| | Address Line 2: | |
| | City: ANYTOWN | |
| | State: IN | |
| | Zip: 46250 | |
| | Phone Number: 215-248-0684 | |
| | Email: | |
| | Part Effective Date: 2/1/2014 | |
| | Part Termination Date: 2/1/2014 | |

1.2M
CMS users

Beneficiaries can download up to 3 years of claims data

- Hospital
- Physician
- Prescription drugs

20-30k
Downloads/Month

1x

2x

Private sector applications already ingest, optimize and visualize data

* Cross Agency Metrics - May 2015

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BlueButton must adapt to fulfill a critical role in a Patient-Centered Health System based on Value and Quality

Beneficiary

ACOs

- Near-Time
- Specific
- Historical
- Generic

Precision Medicine

Care Coordination

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