A Leadership Moment:

Entering the "Consumer-First" Delivery Reform Era

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COVID-19 a National Moment for Change



Coronavirus: A Look Inside RUSH University Medicine's 'Forward Triage Area'

By Charlie Wojciechowski • Published 4 hours ago • Updated 4 hours ago



RUSH University Medicine's Forward Triage Area is a converted Ambulance Bay designed to minimize contact between potential Coronavirus patients and other hospital patients and staff.



CI	OC 2019-nCoV ID:	Form App	proved: OMB: 0920-1011 Exp. 4/23/2020	
РАТ	TENT IDENTIFIER INFORMA	ATION IS NOT TRANSMITTED TO CDC		
Patient first name	Patient last name	Date of birth (MN	//DD/YYYY):/	
PATIENT IDENTIFIER INFORMATION IS NOT TRANSMITTED TO CDC				
Huma	n Infection wi	ith 2019 Novel Coron	avirus	
Person Under	er Investigation	on (PUI) and Case Re	port Form	
porting jurisdiction: porting health department: ntact ID a: Only complete if case-patient is a known contact of prior source cas CA102034567 -02. For NNDSS reporters, use GenV2 or NETSS patie	CDC NND e-patient. Assign Contact ID using C	state/local ID: 2019-nCoV ID: SS loc. rec. ID/Case ID b: DC 2019-nCoV ID and sequential contact ID, e.g., Confirm	ned case CA102034567 has contacts CA102034567 -01 and	
nterviewer information				
lame of interviewer: Last	First			
ffiliation/Organization:	Telephor	ne Email		
Basic information				
Vhat is the current status of this person? PUI, testing pending* PUI, tested negative* Presumptive case (positive local test), confirmatory testing pending† Presumptive case (positive local test), confirmatory tested negative† Laboratory-confirmed case†	Ethnicity: Hispanic/Latino Non-Hispanic/ Latino Not specified Sex: Male	Date of first positive specimen collection (MM/DD/YYYY): Unknown N/A Did the patient develop pneumonia? Yes Unknown No	Was the patient hospitalized? Yes No Unknown If yes, admission date 1 (MM/DD/YYYY) If yes, discharge date 1 (MM/DD/YYYY) Was the patient admitted to an intensive	
Testing performed by state, local, or CDC lab.	Female	Did the patient have according	(ICN)5	

"When a provider orders a COVID 19 test (based on suspicion of disease) we ask that they complete the PUI form and fax it to the local health department. At that point it gets transcribed into a REDcap database so that we can track testing and results." – State Public Health official



Telemedicine, Patient Registries @ Center

Doctors and Patients Turn to Telemedicine in the Coronavirus Outbreak

The use of virtual visits climbs as a way of safely treating patients and containing spread of the infection at hospitals, clinics and medical offices.



Dr Meeta Shah an emergency room doctor taking video calls at Rush University

BIOMEDICAL RESEARCH PROTOCOL

Protocol Title:

Longitudinal, Observational Registry of Persons Under Investigation for SARS-CoV2: The RUSH-COVID-19 Study

Principal Investigator:

Bala N. Hota, MD; Professor of Medicine (Internal Medicine), Rush University. Bala_Hota@rush.edu

Version Date: March 8, 2020

evidation

Evidation on behalf of Heartline

The HEARTLINE Study is a research study, from Johnson & Johnson in collaboration with Apple, to analyze the impact of Apple Watch® on the early detection and diagnosis of atrial fibrillation (AFib), and the potential to improve outcomes including the prevention of stroke.

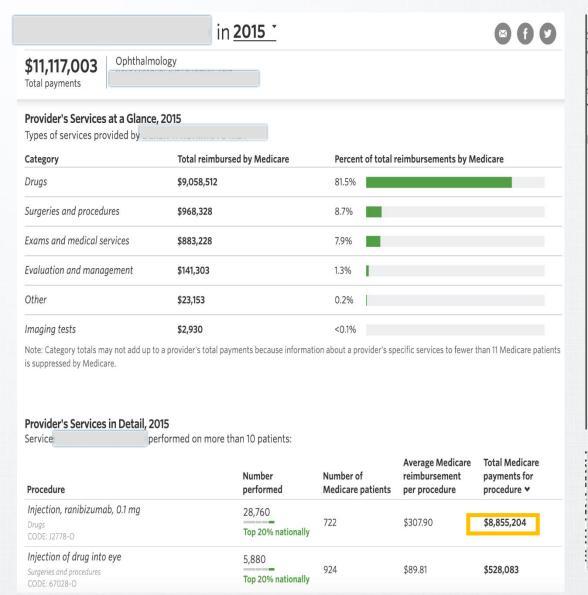
Read less

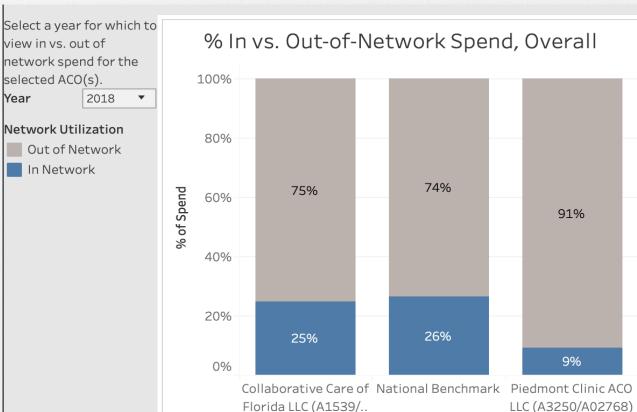
Research



Open Data as Infrastructure







ACO: MaineHealth Accountable Care Organization (A1290/A14573)

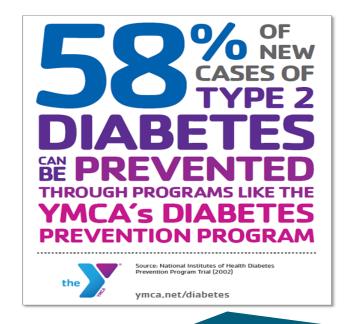
Part A % In-Network Spend: 60%

Part B % In-Network Spend: 62%



Shining Light on What Works

Calling All Innovators – Health Care Innovation Challenge Open for Great Ideas



"...statistically significant gross savings...totaling \$2,650." - CMS Actuary on a ~5,600 beneficiary trial, resulting in national availability in 2018

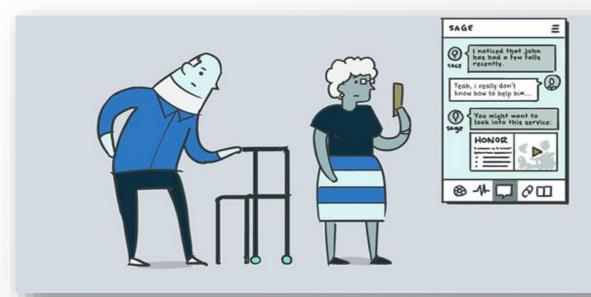
Medicare diabetes prevention program helps a few hundred instead of hundreds of thousands

POLITICO

Code	2018	Q1 2019
G9890	124	15
G9891	220	363
G9873	38	127
G9874	32	73
G9878	28	14
G9879	27	-
G9875	21	219
G9880	-	43
G9876	-	15
G9881	-	21
Patients		
Treated:	202	396

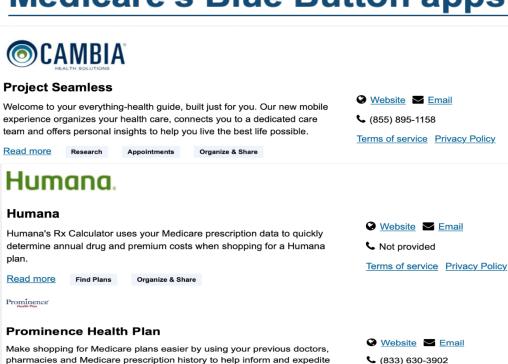


Atop the Agenda: Supplier or Fiduciary?



CMS proposes to include consumer "gainsharing" payments in MLR calculations when one chooses lower-cost, higher-value providers, starting in 2020; possible catalyst for consumer decision support applications.

Medicare's Blue Button apps



© RUSH

Read more

Rush University Medical Center

Find Plans

The MyRush Mobile is a platform for keeping patients connected to and engaged with Rush Health Network in order to easily and collaboratively manage their health and wellness.

your Medicare health plan shopping experience with Prominence.

Read more

Symptoms

Appointmen

Organize & Share



Terms of service Privacy Policy

Terms of service Privacy Policy



The "Consumer-First" Delivery Reform Era

My Take on the Rules

A Leadership Moment

1

Payers "Up First" to Publish, Demand Standardized Data

"Bulk' Provi

"Bulk" Requirements for Payer / Providers Extend Infrastructure

3

"All Data Elements" to Consumer Apps w/ IP Provisions

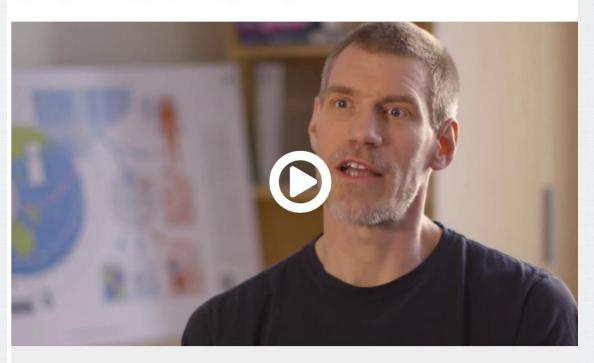
4

Balancing Privacy w/ a Consumer's Right of Access

5

Open Data for Price, Quality Transparency

Mount Sinai Accelerates Data-driven Discovery and Patient Care with New Chief Data Officer Role



Mount Sinai Accelerates Data-driven Discovery and Patient Care with New Chief Data Officer Role



#1) Payers "Up First," Push Demand Signal

Institutions that support health records on iPhone (beta)

A growing list of healthcare institutions support health records on iPhone, enabling you to view important data such as immunizations, lab results, medications, and vitals directly in the Health app.

We're working with more hospitals and clinics to support health records. Health institutions might have multiple hospitals and clinics that support health records, which are listed in the Health app.

Richard M. Adams, DPM - Family Foot Care (Texas) https://www.richardadamsdpm.com

Physicians Regional (FL), Tennova Healthcare (TN)

Community Health Systems (nationwide) - including AllianceHealth (OK), Bayfront Health (FL), Commonwealth Health (PA), Lutheran Health Network (IN), Merit Health (MO), Northwest Health (AR),

http://www.chs.net

Cone Health (North Carolina) https://www.conehealth.com

Big Tech is teaming up with health care companies to make it easier for

you to see your health history

PUBLISHED TUE. JUL 30 2019 • 5:05 PM EDT | UPDATED AN HOUR AGO





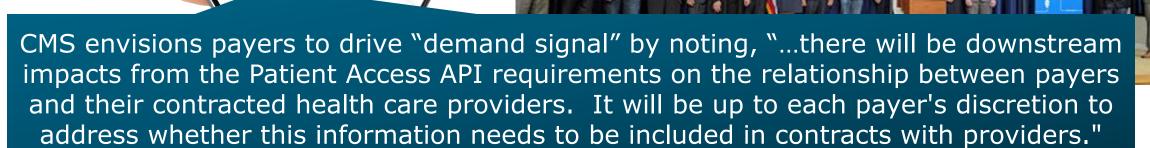














#2) Extending FHIR for "Bulk" Applications



The Standard

The Official Blog of Health Level Seven® International

Leading Healthcare Stakeholders Commit to Real-World Testing of HL7's FHIR Bulk Data **Implementation Guide**

Aug 7, 2019 10:38:22 AM / by Charles Jaffe, MD, PhD



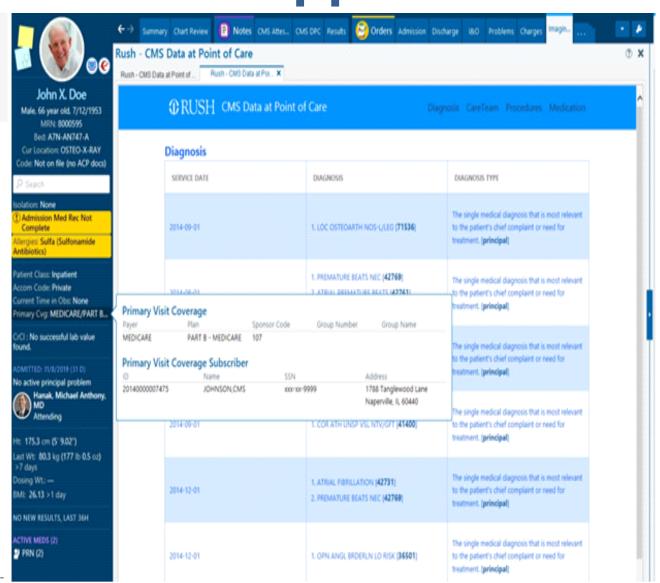




On July 30, as part of the second Blue Button Developers Conference at the White House, a broad coalition of health systems, health plans, and other health IT stakeholders committed to real-world testing of the soon to be published HL7® FHIR® Bulk Data implementation guide (IG).

The announcement was made on stage by HL7 International CEO Dr. Charles Jaffe, later joined by Steven Posnack from ONC and Dr. Shafiq Rab of Rush University System for Health. More than 20 early adopters who have committed to advance this important use of HL7 FHIR were identified.

Source: https://blog.hl7.org/leading-healthcare-stakeholders-commit-to-real-world-testing-of-hl7fhir-bulk-data-implementation-guide



Property of CareJourney Configuration (Property of CareJourney Configuration)

#3) A "Roku Moment" for Health Records

2015 Edition Common Clinical Data Set

lPatient name Sex Date of birth Race Ethnicity Preferred language Smoking status Problems Medications Medication allergies Laboratory tests Laboratory results Vital signs Procedures Care team members Immunizations Unique Device identifiers Assessment and Plan of Treatment Goals

Public Channel / Preview and Publish Preview and Publish Common Cancer Data Clinical Data Open Notes *Imaging* Set Set 016 2016 Preview We recommend previewing you ug uov Net Pricing Interactive Discharge (Network Care Plan **Notification** Status) · Package File: Download Publish Your Public Channel Once your channel set up is complete, click the "Publish" button below. Properties

Opportunity for industry leadership on how to meet EHI Export in standards-based, IP-free method; new "content & manner" clause allows EHR vendors to negotiate licensing agreements for proprietary APIs within 3 years, but requires a standardized alternative as backstop



Health concerns

#4) Transformation @ Pace of Trust

Q

Popular

Latest

The Atlantic

TECHNOLOGY

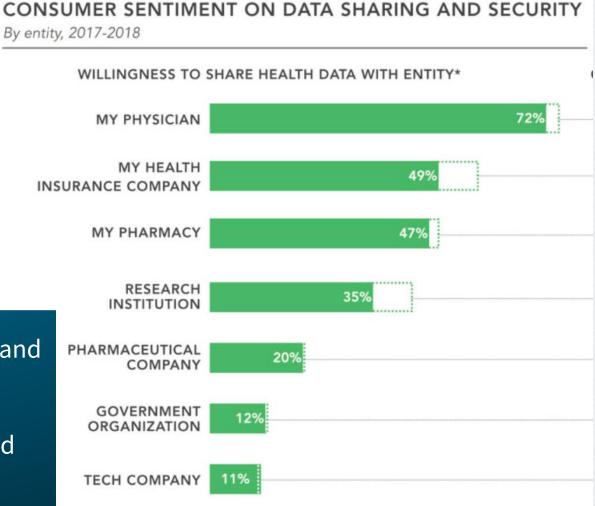
Google's Totally Creepy, Totally Legal Health-Data Harvesting

Google is an emerging health-care juggernaut, and privacy laws weren't written to keep up.

SIDNEY FUSSELL NOVEMBER 14, 2019



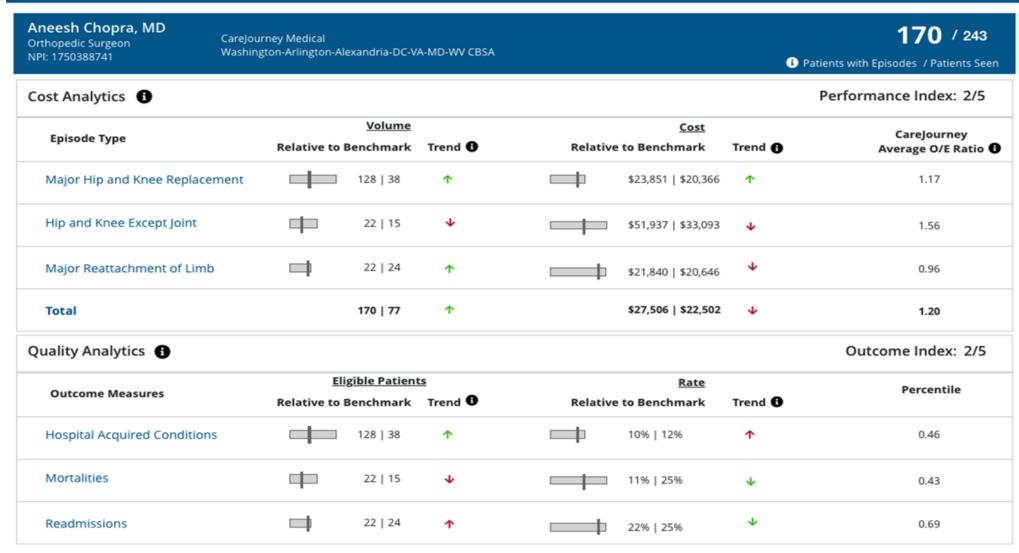
"Beyond HIPAA:" Contractually bind third-party vendors and contractors to our privacy policies and prohibit use or disclosure of user information (including de-identified, anonymized or pseudo-nymized data) for any undisclosed purposes without express consent from the user.





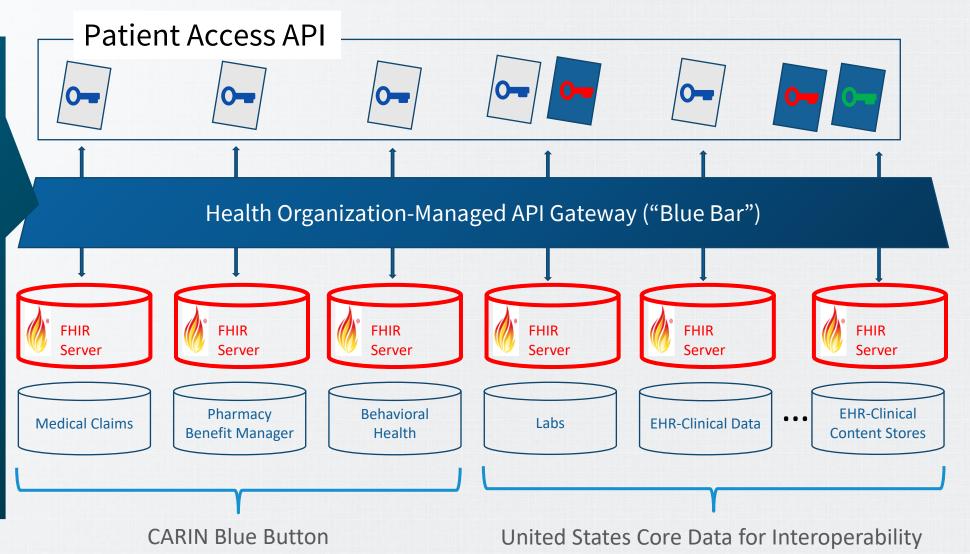
#5) Open Data for Physician Ratings

Provider Scorecard



Importance of Data "De-Coupling" from EHR

ONC embraces "decoupling" data access from EHR: "Certified API Developers must grant API Information Sources (i.e., health care organizations) the independent ability to permit API Users to interact with the certified API technology deployed by the API Information Source."





The Era of "Substitutable" Apps

"Active Surveillance" Risk Calculators



Payer "Data @ Point of Care"



HICN:9 76543A Frail Elderly ASCVD Risk Educator Data at the Point of Care: Williamson, James This calculation is based on asymptomatic, normative population samples and is not intended to be a substitute for clinical judgmen MEDICATIONS CMS DPC PANSITIONAL CARE CONSULT Total Cholesterol (mg/dL) Risk of Having a Heart Attack or Stroke within 10/31/2019 - Rush University Hospital Encounters OMERPRAZOLE (omegrazole 20 mg oral) 10/24/2019 - Rush University Hospita **Problem List** DEPRESSION HDL Cholesterol (mg/dL) 78 🗘 Intermediate Risk Care Model Eligibility and Gaps OSTEOPOROSIS Risk of Having a Heart Attack within 10 Years 07/05/2019 - Midwest Orthopaedic Care Team INPATIENT CAPTOPRIL (captopril 25 mg oral) CHRONIC OBSTRUCTIVE PULMONARY DISEASE 05/22/2019 - Northy 40% On Hypertensive Treatment On Aspirin Therapy Allergies 30%-03/17/2019 - Rush University Hospita 03/17/2019 - Rush University Primary Care 25% Vaccines History of Diabetes 20% AMBIJI ATORY 01/05/2019 - Rush University Hospital **Family History** LAPSED CHRONIC CONDITIONS AIMOVIG (erenumab-aooe 140 mg auto-injector 65 🗘 Preventative 12/09/2018 - Northwestern M 12/09/2018 - Northwestern Memorial Ho Maintenance Quality Measures

SDOH Screening Assessment

