

Consumers at the Center:

How Open Data, Health IT and Value-Based Payment
Can Fuel a Better Delivery System for Us

Aneesh Chopra
@aneeshchopra










Online Registration System

Ministry of Electronics & Information Technology
Government of India

Frequently Asked Questions

Follow the simple steps below and get your appointment fixed online!

1.  Verify yourself using Mobile No.
2.  Choose Hospital / Department
3.  Select date of appointment
4.  Verify yourself using Aadhaar Number
5.  Get confirmation sms

[BOOK APPOINTMENT](#)



American Competitiveness @ Stake

- 1 The Goal: Constraining HC inflation to GDP + 0% unlocks \$1T+ in value by 2025, enabling investments to maintain competitiveness
- 2 The Context: A growing coalition of public and private stakeholders believe that better care will cost less (caveat: “it’s the prices, s****d,” still the dominant factor in commercial markets)
- 3 The Call to Action: By **opening up data, adjusting payment models,** and **personalizing consumer navigation,** we can tap into the **expertise of the American people** to surface, then scale, **what works**

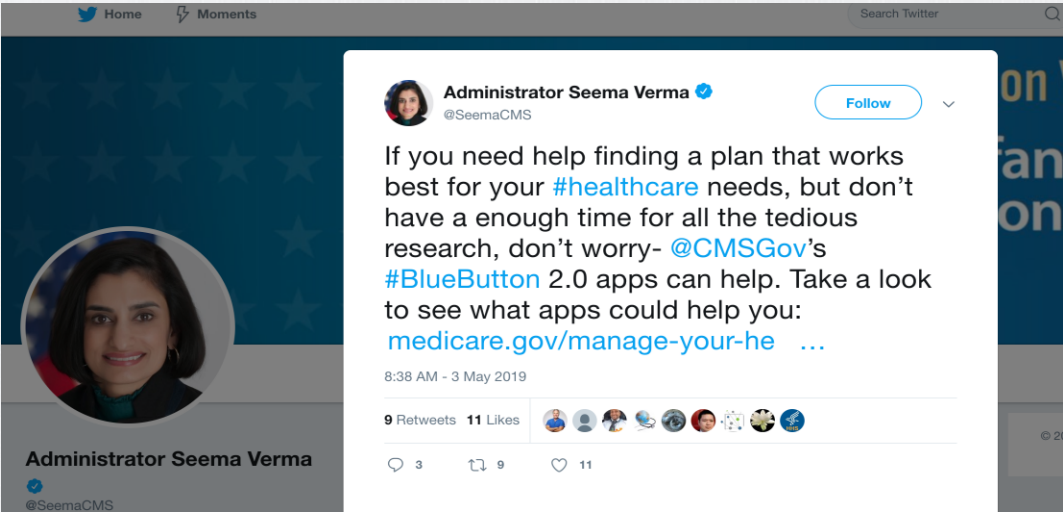
Open Government Data as Infrastructure



Administrator Seema Verma ✓
@SeemaCMS

“By unleashing data, the Trump Administration is establishing an environment of shared learning and opportunity for federal and state partners to continue to realize values from best practices...”

cms.gov/newsroom/press...



“The research community and stakeholders will have a powerful tool to provide creative solutions on Medicaid and CHIP healthcare delivery, outcomes, and financing. By unleashing data, the Trump Administration is establishing an environment of shared learning and opportunity for federal and state partners to continue to realize values from best practices, leading to positive health outcomes for our most vulnerable populations.”

CMS ADMINISTRATOR, SEEMA VERMA



Humana

Using Medicare’s Blue Button 2.0, we can quickly transfer your prescription info and estimate your drug costs.

Blue Button 2.0 securely connects Humana with up to four years of your Medicare Parts A, B and D claims data. Your prescription list will be built using your current year of data. You have full control over how your protected health information (PHI) can be used. Your identity and authorization are controlled through tools on MyMedicare.gov.

Note: because this involves PHI, only the potential plan member can complete this.

Let’s connect you to MyMedicare.gov to price your prescriptions!

[Yes, connect to MyMedicare.gov](#) [No, I'd rather enter my prescriptions manually →](#)



Shining Light on Industry Performance

BEHIND THE NUMBERS

Medicare Unmasked

MD in 2015

\$11,117,003 Total payments
Ophthalmology

Provider's Services at a Glance, 2015

Category	Total reimbursed by Medicare	Percent of total reimbursements by Medicare
Drugs	\$9,058,512	81.5%
Surgeries and procedures	\$968,328	8.7%
Exams and medical services	\$883,228	7.9%
Evaluation and management	\$141,303	1.3%
Other	\$23,153	0.2%
Imaging tests	\$2,930	<0.1%

Note: Category totals may not add up to a provider's total payments because information about a provider's specific services to fewer than 11 Medicare patients is suppressed by Medicare.

Provider's Services in Detail, 2015

Service performed on more than 10 patients:

Procedure	Number performed	Number of Medicare patients	Average Medicare reimbursement per procedure	Total Medicare payments for procedure
Injection, ranibizumab, 0.1 mg Drugs CODE: J2778-O	28,760 Top 20% nationally	722	\$307.90	\$8,855,204

POLITICO

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

Code	2018	Q1 2019
G9890	124	15
G9891	220	363
G9873	38	127
G9874	32	73
G9878	28	14
G9879	21	15
G9880	21	15
G9881	21	15
G9882	21	15
G9883	21	15
G9884	21	15
G9885	21	15
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G9998	21	15
G9999	21	15

“...statistically significant gross savings ...totaling \$2,650.” - CMS Actuary on a ~5,600 beneficiary trial

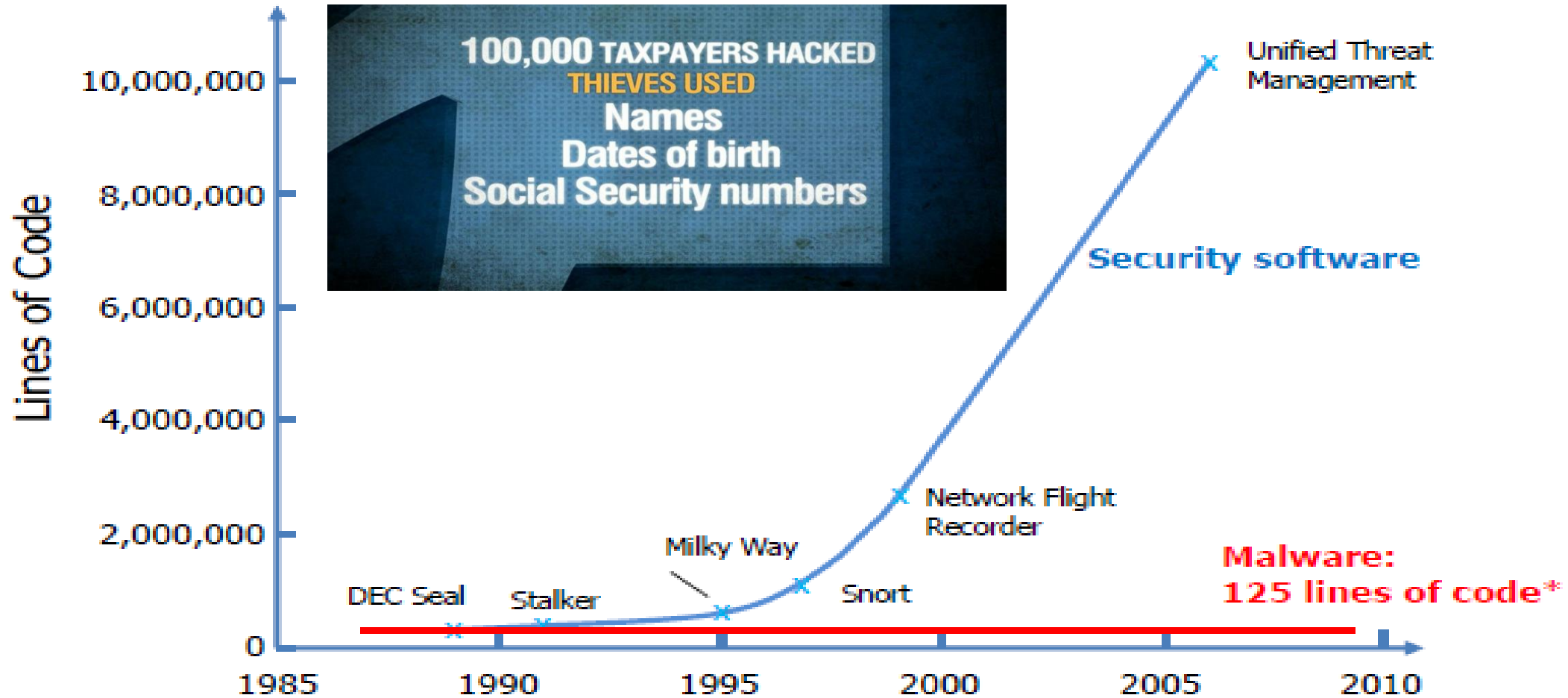
Patients Treated: 202 (2018) 396 (Q1 2019)

Accelerating Standards Development, Use



After dramatic reduction in aircraft manufacturing following WWI, then-Secretary Hoover encourages industry collaboration on engine, wing standards, commercialized on popular DC-3, Boeing 247





* Public sources of malware averaged over 9,000 samples (collection of exploits, worms, botnets, viruses, DoS tools)

Further dissemination only as directed by DARPA Public Release Center or higher DoD authority

UNCLASSIFIED

Transformation @ Pace of Consumer Trust



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

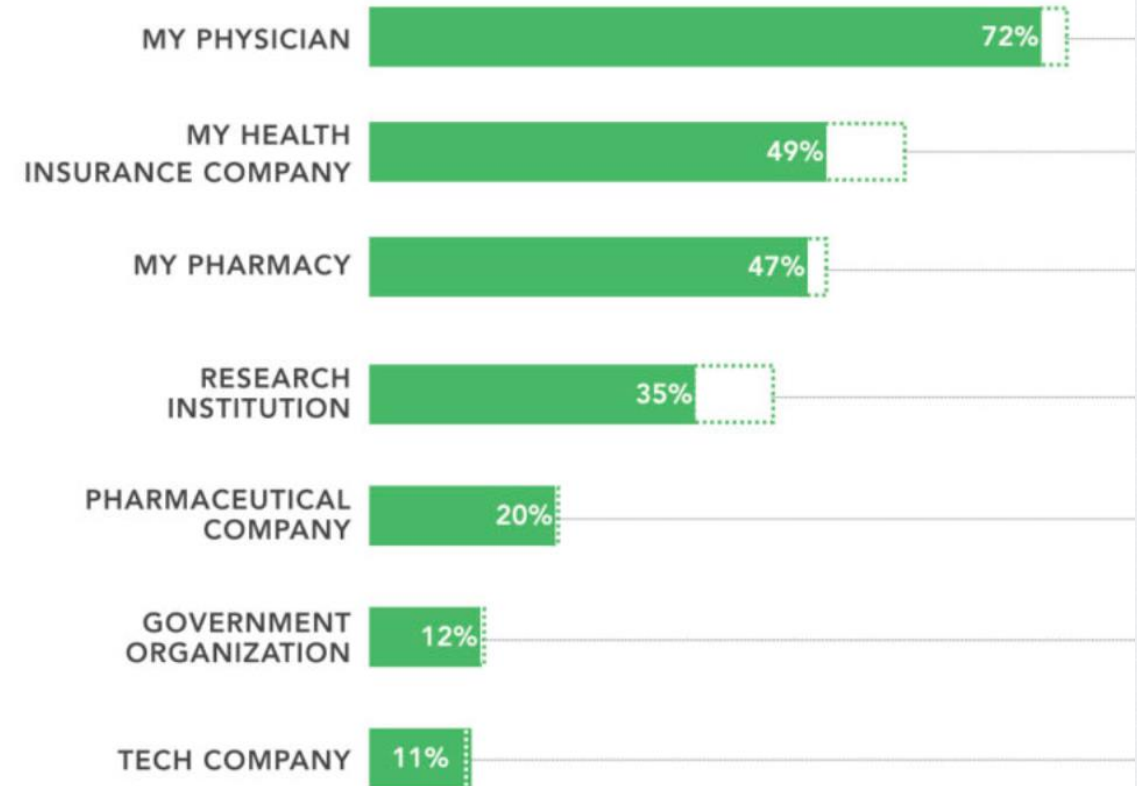


“Beyond HIPAA:” Contractually bind third-party vendors and contractors to our privacy policies and prohibit use or disclosure of user information (including de-identified, anonymized or pseudo-anonymized data) for any undisclosed purposes without express consent from the user.

CONSUMER SENTIMENT ON DATA SHARING AND SECURITY

By entity, 2017-2018

WILLINGNESS TO SHARE HEALTH DATA WITH ENTITY*



Five Digital Enablers for Fiduciaries

1

Open Standards for Data Access via Consumer Apps

2

Open Standards for Administrative Transactions

3

Open Data for Physician Cost, Quality Ratings

4

Open Algorithms for Defining “Shoppable Services”

5

Open Data for Price Transparency Tools (TBD)



“The old login system cost \$250M to build...\$70M annually to stay online. The new system cost about \$4M to build, and...less than \$1M to maintain.”

#1) Regulations Fuel “Bottom-Up” Change

Institutions that support health records on iPhone (beta)

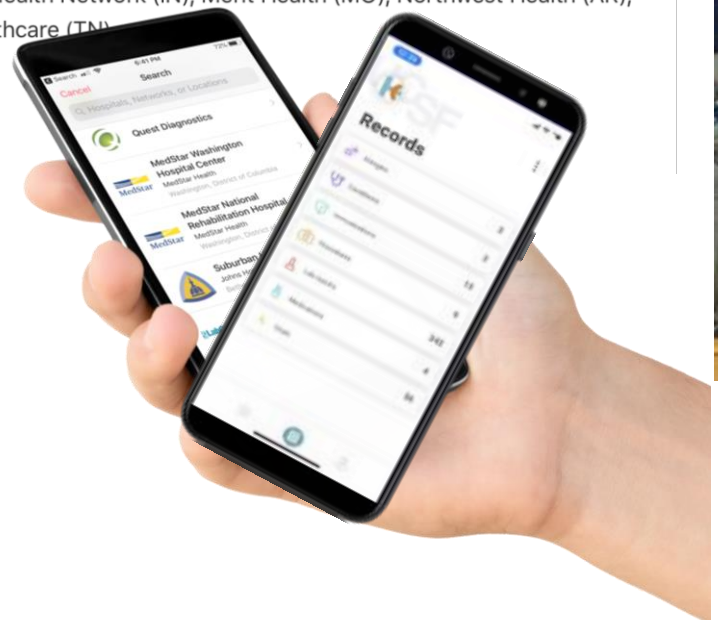
A growing list of healthcare institutions support health records on iPhone, enabling you to view important data such as immunizations, lab results, medications, and vitals directly in the Health app.

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>

Community Health Systems (nationwide) - including AllianceHealth (OK), Bayfront Health (FL), Commonwealth Health (PA), Lutheran Health Network (IN), Merit Health (MO), Northwest Health (AR), Physicians Regional (FL), Tennova Healthcare (TN)
<http://www.chs.net>

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



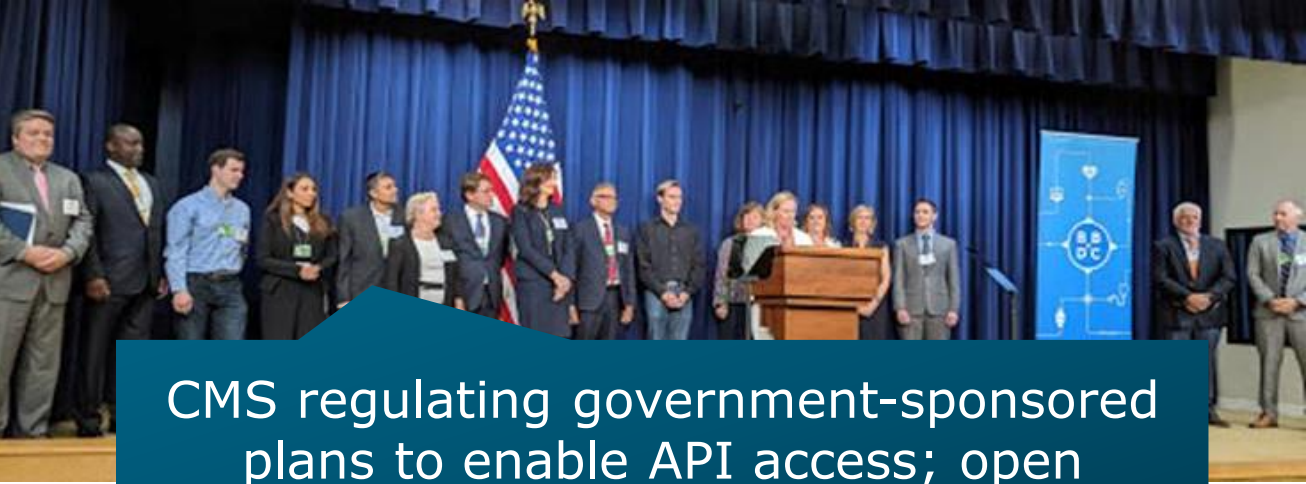
TECH

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

 **Christina Farr**
@CHRISSEYFARR

SHARE     



CMS regulating government-sponsored plans to enable API access; open question if employers will make a similar demand on commercial carriers

#2) App “Substitutability” (Not “Interop”)

Simulated EHR | Patient: Mr. Geoffrey Abbott, age: 29 years, sex: Male | User: Dr. Albertine Orn

Menu

- Patient Information
- Diagnoses and Problems
- MPages
- Medication List
- Histories
- Clinical Notes
- Flowsheet
- Document Viewing
- Coverage Requirements

Coverage Requirements Discovery

Patient First Name
Geoffrey

Patient Last Name
Abbott

Patient DOB
1990-09-01

Patient Gender
male

Service
Home Oxygen Therapy

Medicaid -- Home Oxygen Therapy Requirements

E0433 Portable Liquid Oxygen System, Rental

1. Diagnoses requiring supplemental oxygen
2. Testing to confirm hypoxia in chronic stable state performed and evaluated

Prior Authorization is Required

[Auth Questionnaire](#)

[Submit](#)

Simulated EHR | Patient: Mr. Geoffrey Abbott, age: 29 years, sex: Male

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COVERAGE REQUIREMENTS

Relevant Patient Diagnoses (conditions that might be expected to improve with oxygen therapy)

COPD

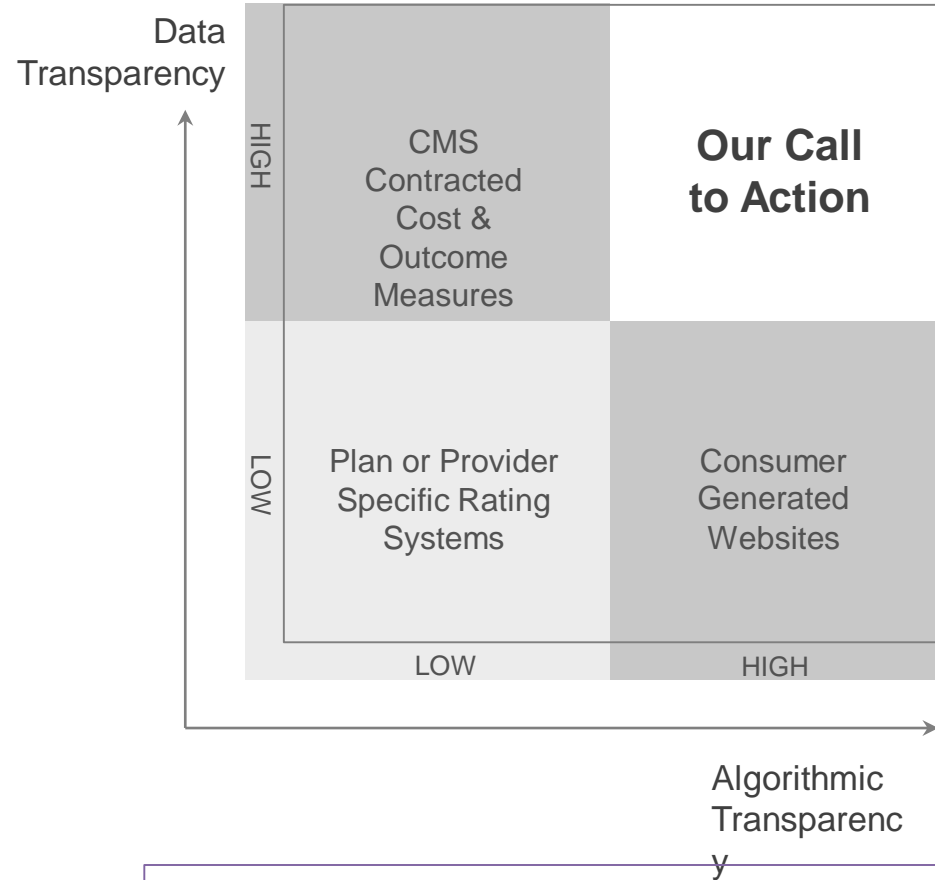
Arterial oxygen saturation (Patient tested during exercise)

Is there a documented improvement of hypoxemia during exercise with oxygen?

[Submit](#)

Authorization 302147623 is approved.
The questionnaire data has been saved to Humana and the EHR.

#3) Open Data for Cost, Outcomes Ratings



Flux Notes™ DR. X123 Y987

Debra Hernandez672
 DOB: 5 APR 1966 (51)
 Admin. Sex: Female
 Location: Boston, MA

Visit Reason Invasive ductal carcinoma of breast
 Debra Hernandez672 is coming in to see Dr. X123 Y987 for a check up on the progress of her treatment for Invasive ductal carcinoma of the breast.

Summary Invasive ductal carcinoma of breast

Current Diagnosis

Name	Invasive ductal carcinoma of breast
Laterality	Right
Stage	Missing Data
Disease Status	Missing Data
As Of Date	Missing Data
Rationale	Missing Data

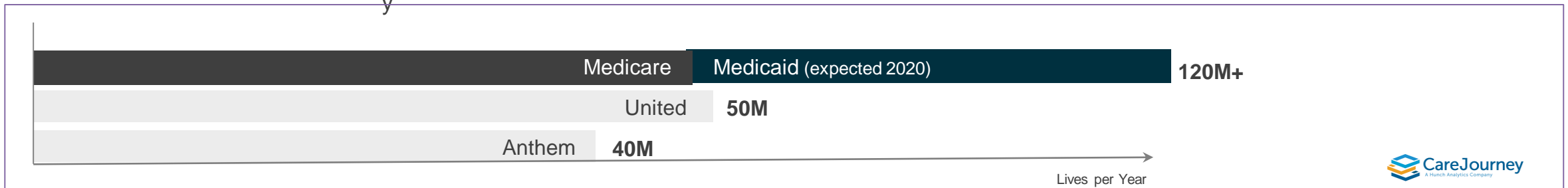
Recent Lab Results

White blood cell	8.12 10 ⁹ /L (02 JAN 2018)
Neutrophil	4.3 10 ⁹ /L (02 JAN 2018)
Hemoglobin	14.5 % (10 JAN 2018)

NIH collaborates on national limb loss registry
 Project with Department of Defense aims to improve quality of care



mCODE™



#4) An Open “Shoppable” Collaborative

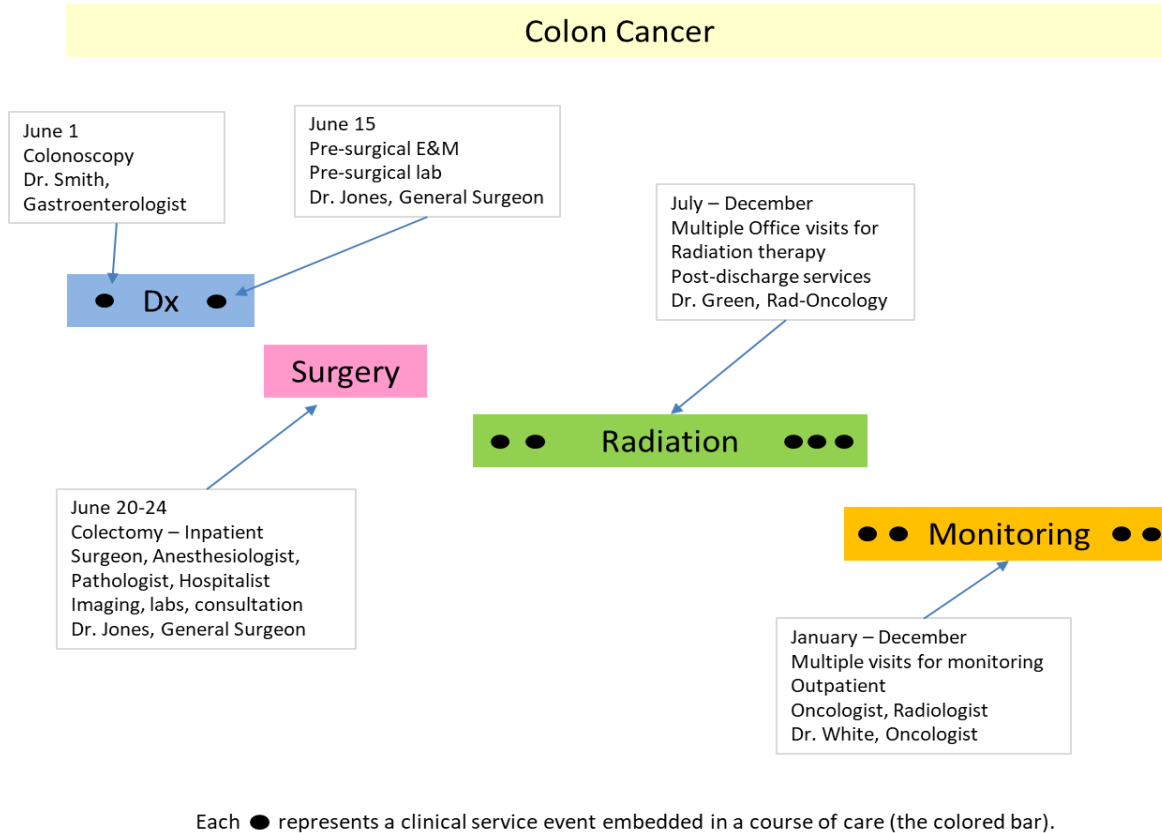


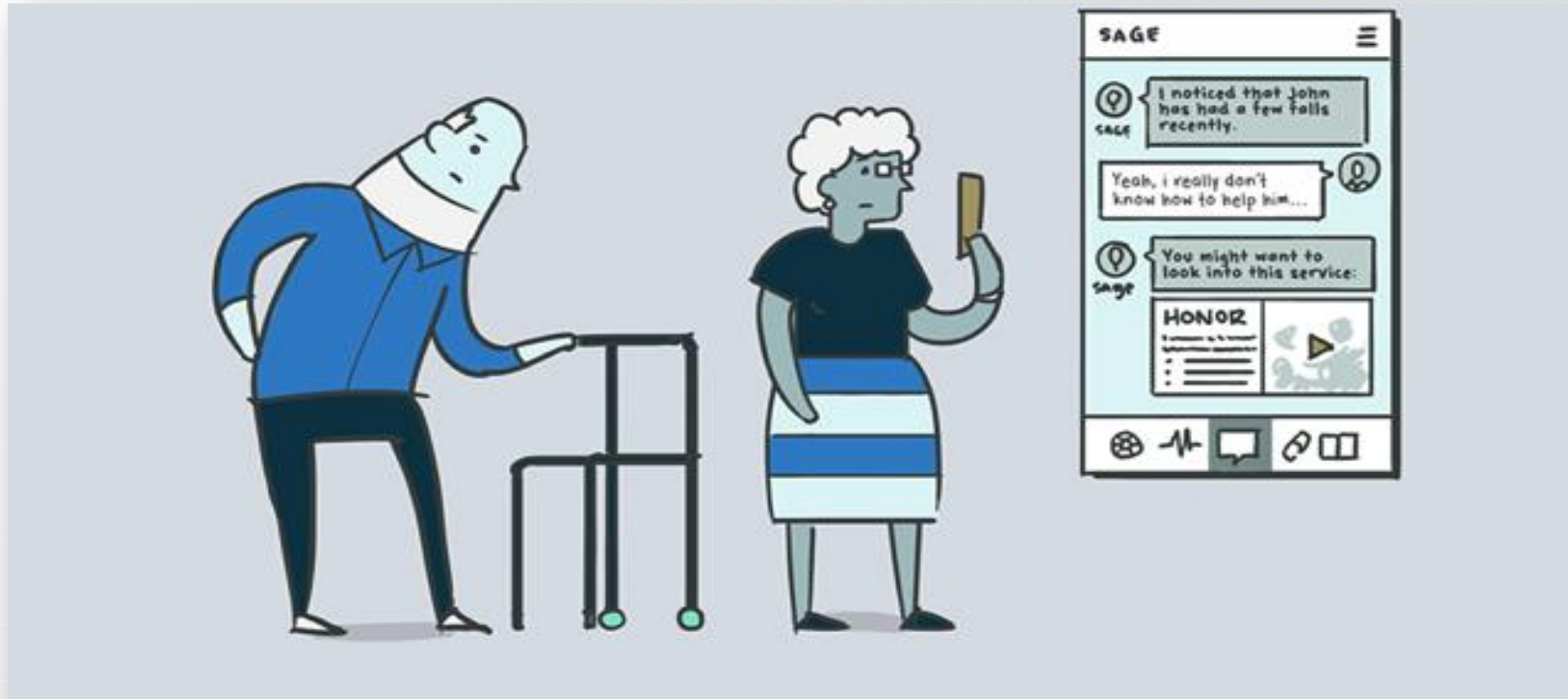
TABLE 6-4

Comparison of private-payer rates to Medicare rates for the 10 highest expenditure non-CBP DMEPOS products, 2015

HCPCS code	Product description	Median private payer rate	Median Medicare fee schedule rate	Percentage more (or less) Medicare paid relative to private-payer rate	Potential savings if Medicare paid median private-payer rate (in millions)
E0464	Pressure support ventilator used with non-invasive interface (e.g., mask)	\$1,153	\$1,561	35%	\$89
K0606	Automatic external defibrillator, with integrated electrocardiogram analysis, garment type	2,945	2,795	(5)	N/A
A4351	Intermittent urinary catheter, straight tip	1.33	1.93	45	41
L0650	Lumbar-sacral orthosis, off-the-shelf	877	1,130	29	25
L1833	Knee orthosis, off-the-shelf	436	650	49	34

CMS awarded Brandeis the “EGM” contract to develop an open-source grouper; via “PACES,” a “coalition of the willing” could collaborate to define 300 “shoppable” services

#5) An Emerging Business Case



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.