



CareJourney

A Hunch Analytics Company

Connecting Dots

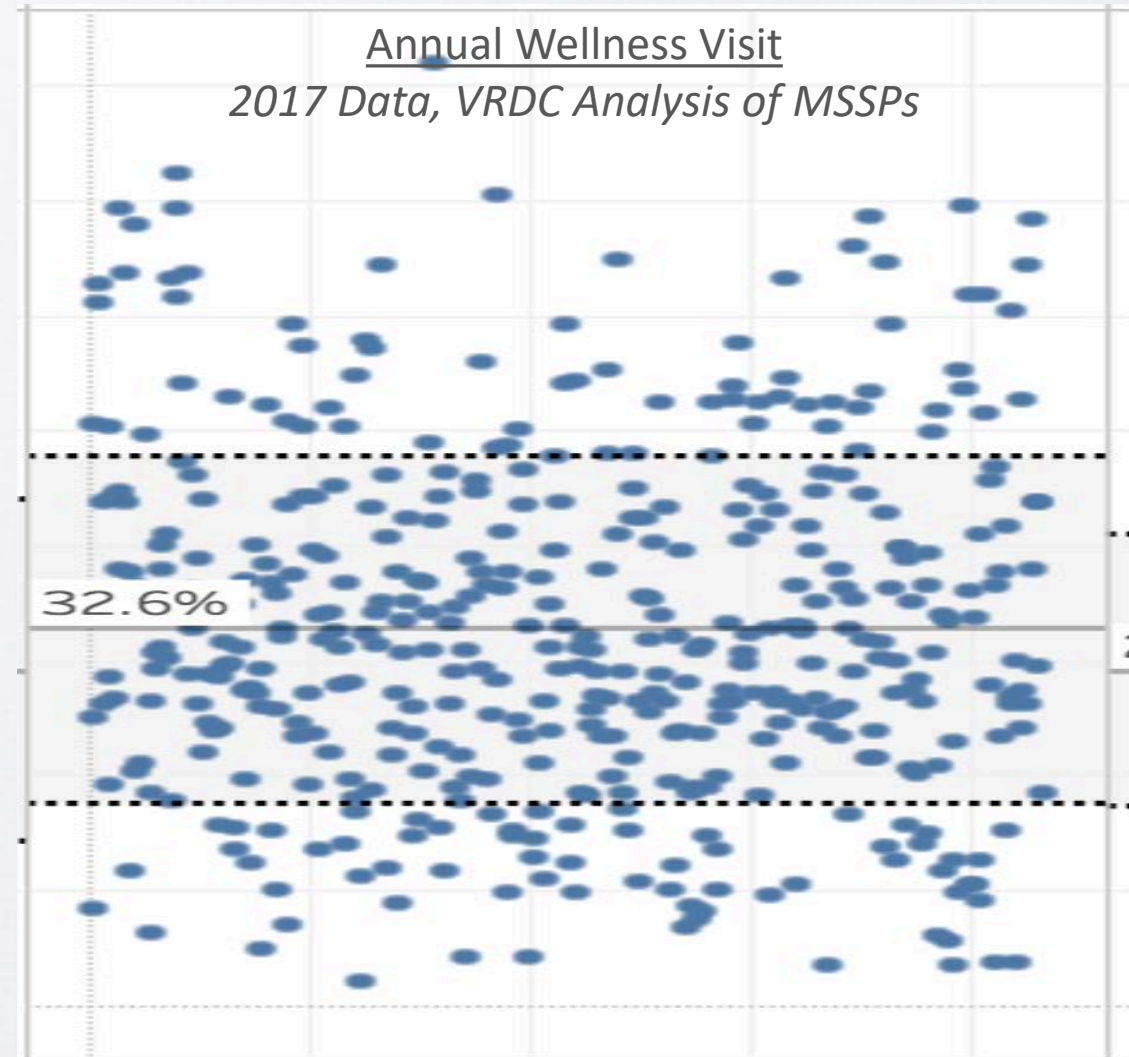
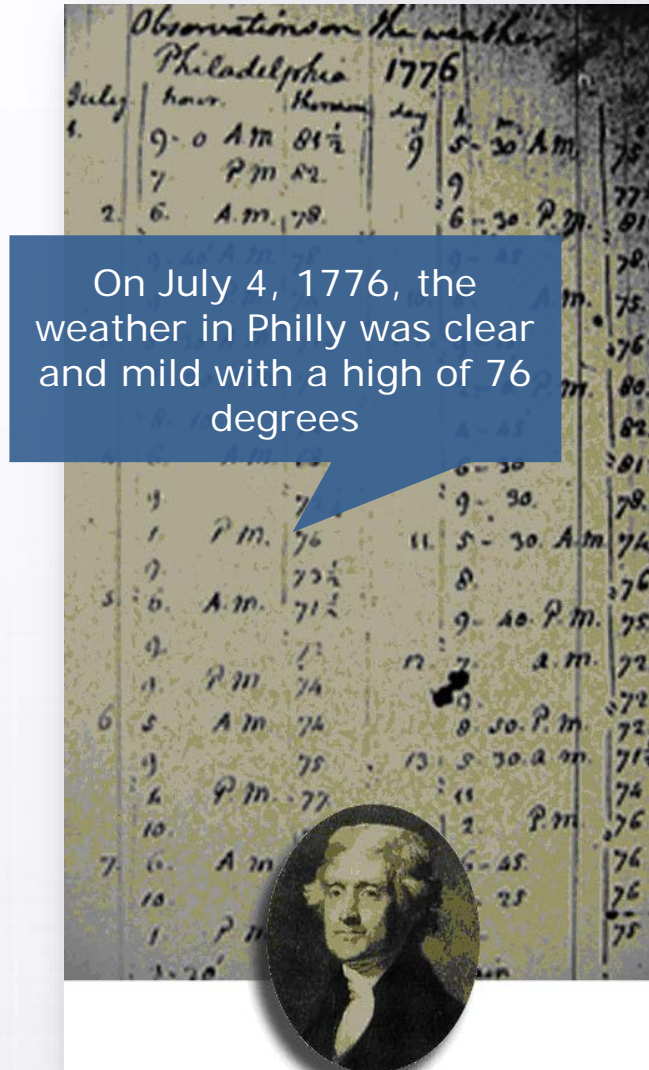
How Open Data, APIs and Payment Reform will Fuel
Care Delivery Reform

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Open Data as Infrastructure

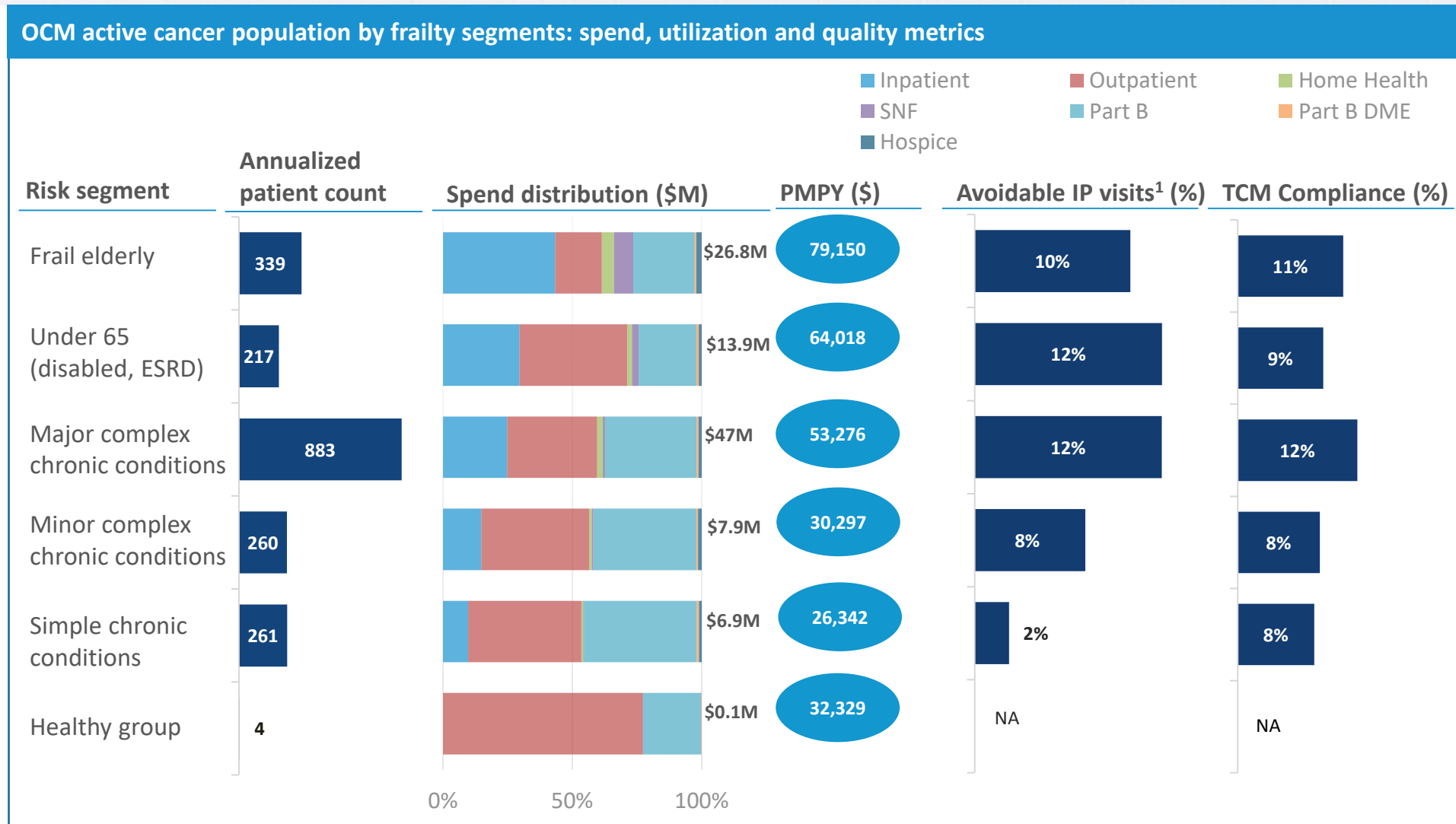


Entering the “Health Internet” Era



In a 10/09 speech, Kapor called for a “health internet,” a less complex, more open, “light federal approach” that would encourage an early critical mass of users to participate; PCAST added the need for a “universal exchange language” in 2010 report

Payment Reform Re-Shaping Care Delivery



¹ Avoidable IP visit here is defined as presence of AHRQ PQI measure during an IP stay

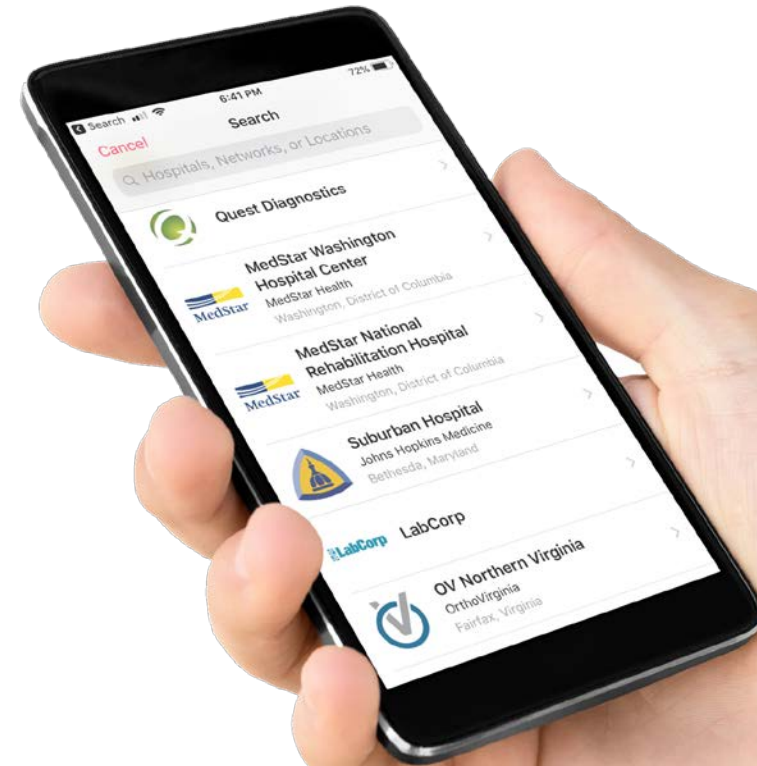
Bipartisan Regulation on Data Sharing



- 1 Consumer Directed Exchange the preferred "HIE" method
- 2 "Net Neutrality"-like approach to "B2B" data access pricing
- 3 Government-sponsored Plans under new obligations to share data
- 4 Hospitals under new obligations to share discharge notifications
- 5 FHIR "Accelerators" to set pace of meeting CMS challenge to API-enable HIPAA "designated record set"

Consumer Directed Exchange Scaling

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.



Objective	Performance	Exclusion
E-copy of health information	93%	54%
E-copy of discharge instructions	93%	53%

CMS “First to Market” on Claims APIs

Humana
Call a licensed Humana sales agent: 1-888-371-9538 | TTY: 711
5 a.m. to 8 p.m. 7 days a week

[Save application](#) [Open saved](#)

Humana Walmart Rx Plan PDP
Humana prescription drug
[View details](#)
☐ Add to Compare

✕ Medical

✓ Prescription drug
Deductible: \$415.00
[Estimate your drug cost](#)

This plan only covers prescription drugs.

\$29.60
[→ Enroll now](#)

Humana Preferred Rx Plan PDP
Humana prescription drug
[View details](#)
☐ Add to Compare

✕ Medical

✓ Prescription drug
Deductible: \$415.00
[Estimate your drug cost](#)

This plan only covers prescription drugs.

\$29.70
[→ Enroll now](#)

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 →](#)

Medicare.gov

Sign in to MyMedicare.gov to continue

Enter your User name and Password and sign in to MyMedicare.gov to continue.

User name

Password


By accessing this system, you agree to our Terms and Conditions. [Read more +](#)

[Sign In](#) [Cancel](#)

[Trouble Signing In?](#)

New To MyMedicare.gov? [Create an Account](#)

[Online Services/Web confidentiality agreement](#)

Medicare.gov 

Humana
[Privacy Policy](#) [Terms and Conditions](#)

Humana wants permission to access your Medicare data.

Humana will be able to:

- Access your Medicare claims data.
- Access your personal details like your name, address, and age.
- Store your Medicare data on their systems.
- Get updates to your Medicare data unless you revoke access.

the risks:

You have the right to share your health information, but there may be risks. Be sure to review the app's Privacy Policy and Terms and Conditions. You can revoke an app's access to your data at any time by logging in to your [MyMedicare.gov](#) account or calling us at 1-800-633-4227.

[Allow](#) [Deny](#)

“Net Neutrality” Approach to API Fees

A QUICK REMINDER

What is net neutrality?

All traffic on the internet should be treated equally.

NO BLOCKING

Your internet access provider (IAP) cannot block you from accessing legal content of your choice.

NO THROTTLING

Your IAP cannot intentionally throttle legal internet traffic to slower speeds than other traffic.

NO PAID PRIORITIZATION

Your IAP cannot sell 'fast lane' service to content providers who can pay more than others.

The API Conditions of Certification Openness and Pro-Competitive Conditions

- This permitted fee **DOES NOT** include:
 - Any costs incurred by the API Technology Supplier to support uses of the API technology that facilitate a patient’s ability to access, exchange, or use their electronic health information.
 - **Costs associated with intangible assets (including depreciation or loss of value), except the actual development or acquisition costs of such assets.**
 - **Opportunity costs, except for the reasonable forward-looking cost of capital.**

An API Technology Supplier must grant an API Data Provider the sole authority and autonomy to permit API Users to interact with the API technology deployed by the API Data Provider.

Extending Applications for “Bulk” Use

Beneficiary Claims Data API



Resources to Download

- | | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> AllergyIntolerance (30) | <input checked="" type="checkbox"/> CarePlan (239) | <input checked="" type="checkbox"/> Claim (1,706) | <input checked="" type="checkbox"/> Condition (431) | <input checked="" type="checkbox"/> DiagnosticReport (375) |
| <input checked="" type="checkbox"/> Encounter (1,369) | <input checked="" type="checkbox"/> Goal (200) | <input checked="" type="checkbox"/> Immunization (726) | <input checked="" type="checkbox"/> MedicationRequest (337) | <input checked="" type="checkbox"/> Observation (5,157) |
| <input checked="" type="checkbox"/> Organization (131) | <input checked="" type="checkbox"/> Patient (100) | <input checked="" type="checkbox"/> Procedure (732) | | |

Patients Group

☒ No Group (include all the patients)

Blue Cross Blue Shield (27 patients)
BMC HealthNet (10 patients)
Fallon Health (3 patients)
Harvard Pilgrim Health Care (3 patients)
Health New England (25 patients)
Minuteman Health (3 patients)
Neighborhood Health Plan (7 patients)
Tufts Health Plan (22 patients)

Filter by Modification Date/Time

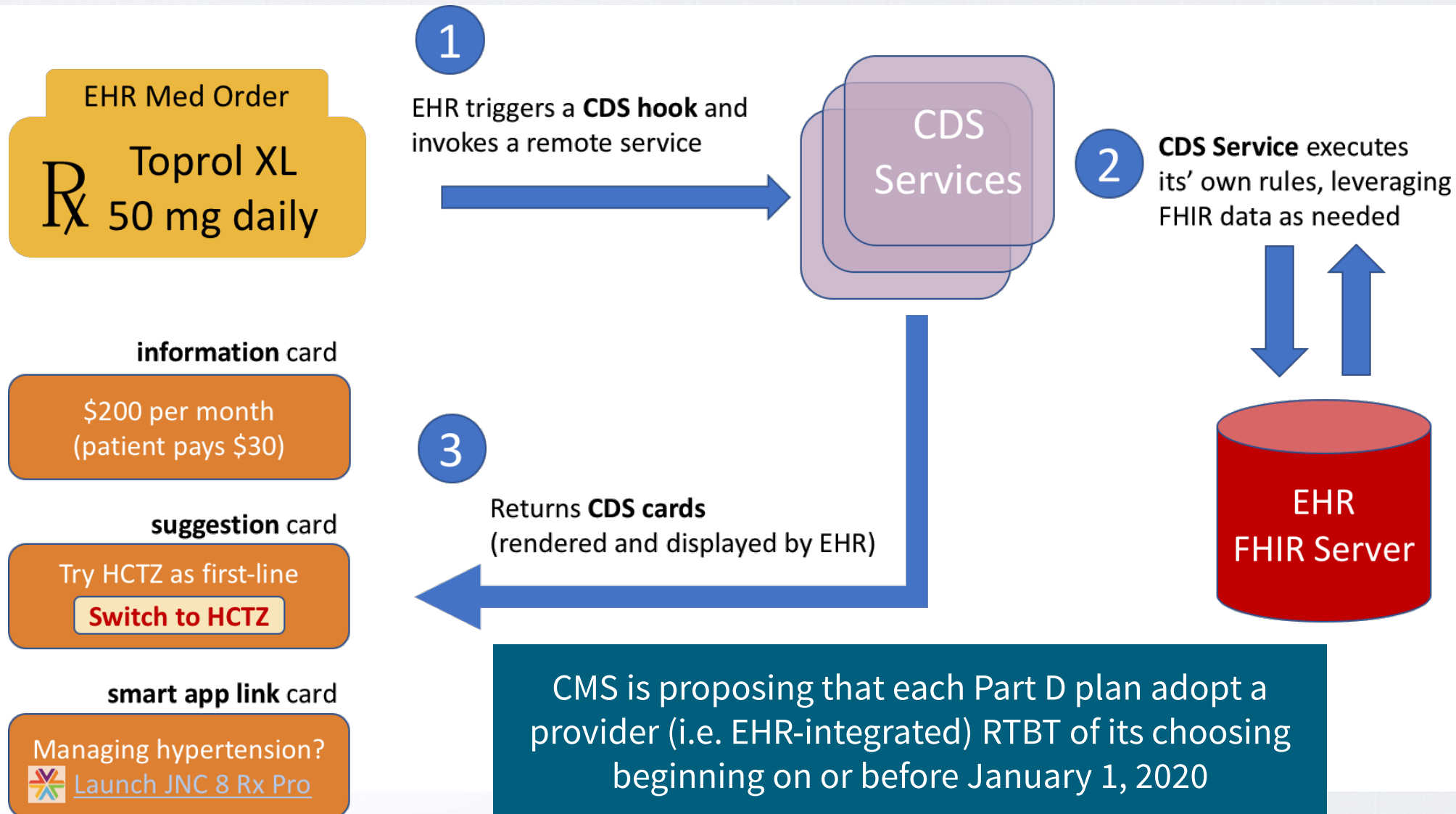
No Time Filter (include everything)

You can filter the data and only include resources that have been modified after the specified date.

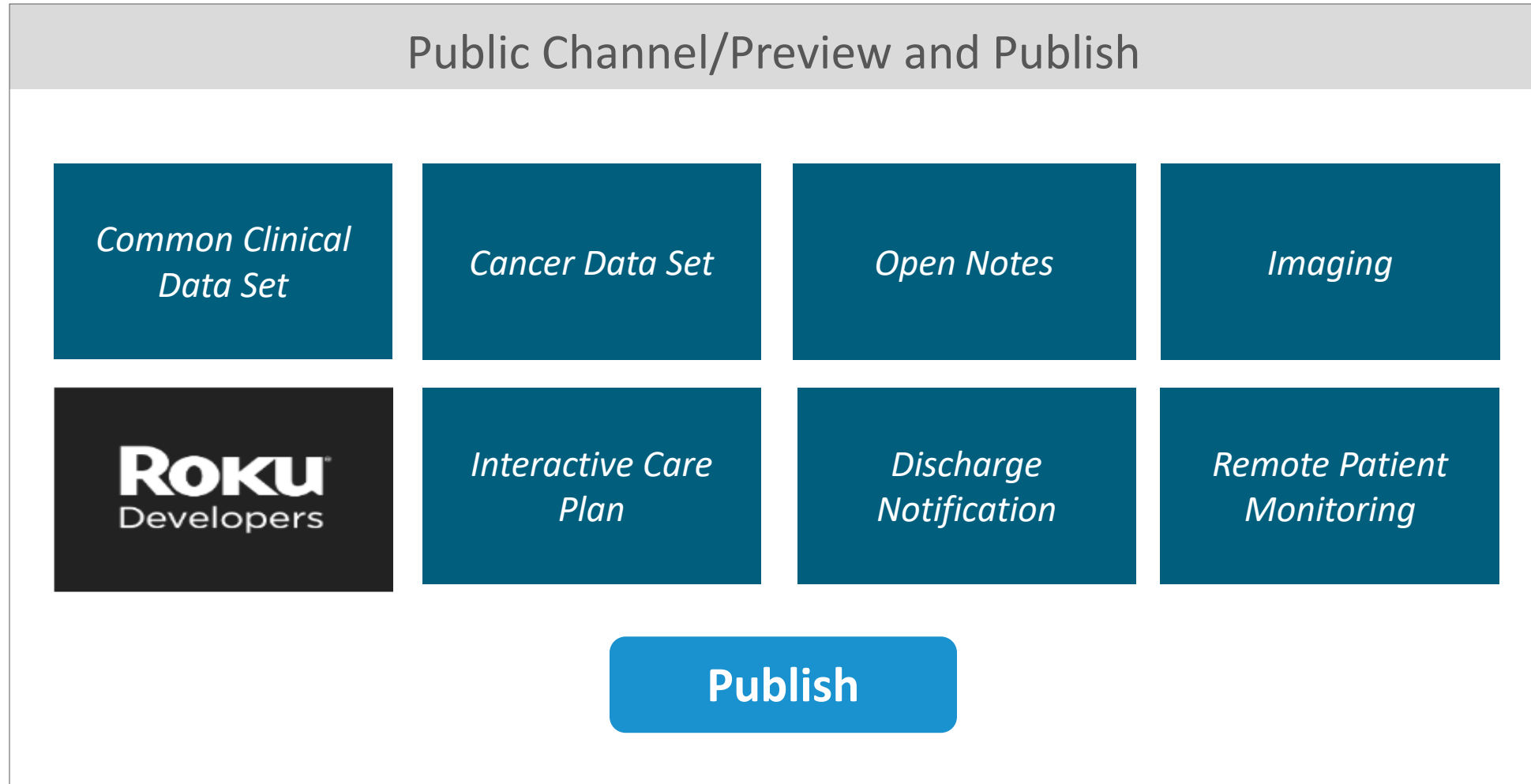
widGx0ljoxNSwibSI6MX0/fhir/Patient/\$export

Prepare Download!

Directing Rx Pricing at Point of Care



Healthcare's Roku Moment



Launch FHIR “Accelerators” for Pharma

CMS’ CAR-T Covered Decision (2/19)

“The furnishing hospital shall address the CED questions on all registry patients by tracking the following clinical data elements at baseline, at treatment, and at follow-up 3 months, 6 months, 12 months, and 24 months after the treatment is administered.

- * Age, gender and comorbidities;
- * **specifics of cancer diagnosis (e.g., sub-classification, stage);**
- * **number(s) or line(s) of previous therapies, therapeutic agents previously administered;**
- * **days to disease progression;**
- * **days to recurrence;**
- * **overall survival; and**
- * **progression-free survival.”**



First Focus on Linked (Not Big) Data

12:21 LTE

Menu

Transitional Care Management Services

Medicare may cover these services if you're returning to your community after a stay at certain facilities, like a hospital or skilled nursing facility. You'll also be able to get an in-person office visit within 2 weeks of your return home.

Link: ADT Feed + Scheduling

12:21 LTE

Menu

Yearly "Wellness" visits

If you've had Medicare Part B (Medical Insurance) for longer than 12 months, you can get a yearly "Wellness" visit once every 12 months to develop or update a personalized prevention plan.

Link: Care Plan open data standard

12:21 LTE

Menu

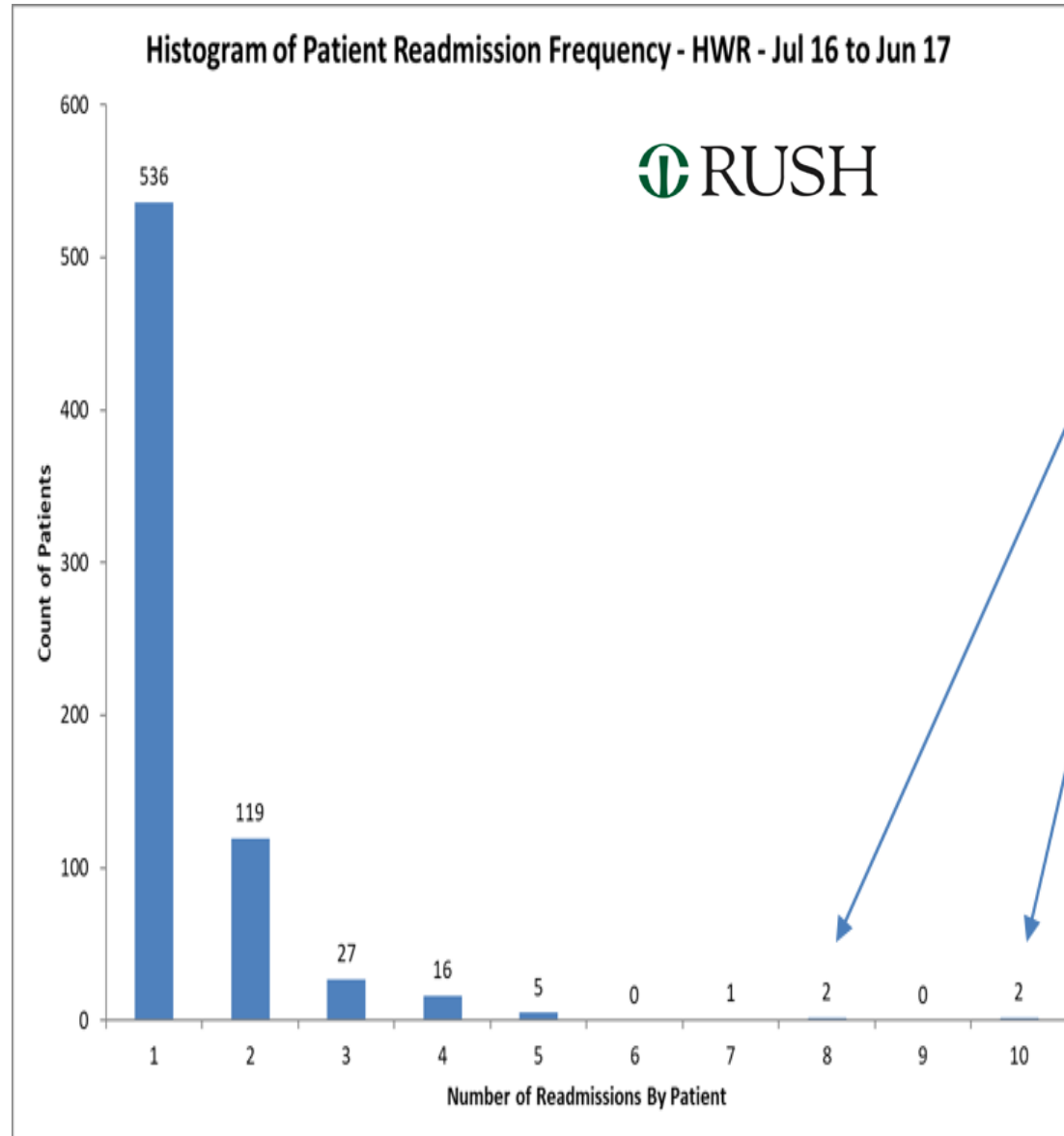
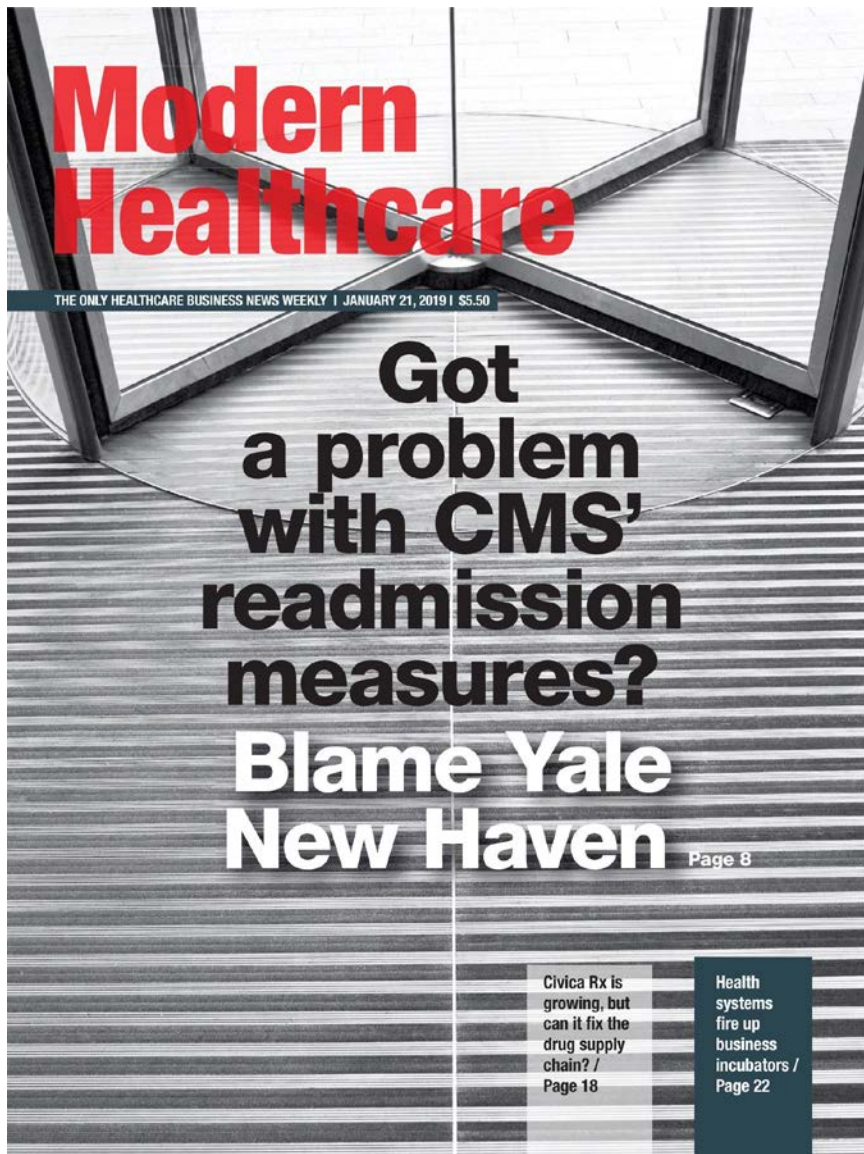
Diabetes prevention program

Medicare Part B (Medical Insurance) covers a diabetes prevention program once if all of these conditions apply to you:

- You have a hemoglobin A1c test result between 5.7 and 6.4%, a fasting plasma

Link: Clinical Data Set + Supplier Database

Require Open Science for Feedback Loops



- 2 patients with 8 readmissions each
- 2 patients with 10 readmissions each

Health Information Fiduciaries

