



CareJourney

A Hunch Analytics Company

The Blue Button and Coming Era of Consumer-Directed Exchange

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...for the first time ever Veterans will be able to go to the VA website, click a simple Blue Button, and download or print your personal health records so you have that when you need them and can share that with your doctors outside of the VA.” – Obama, 8/2/10

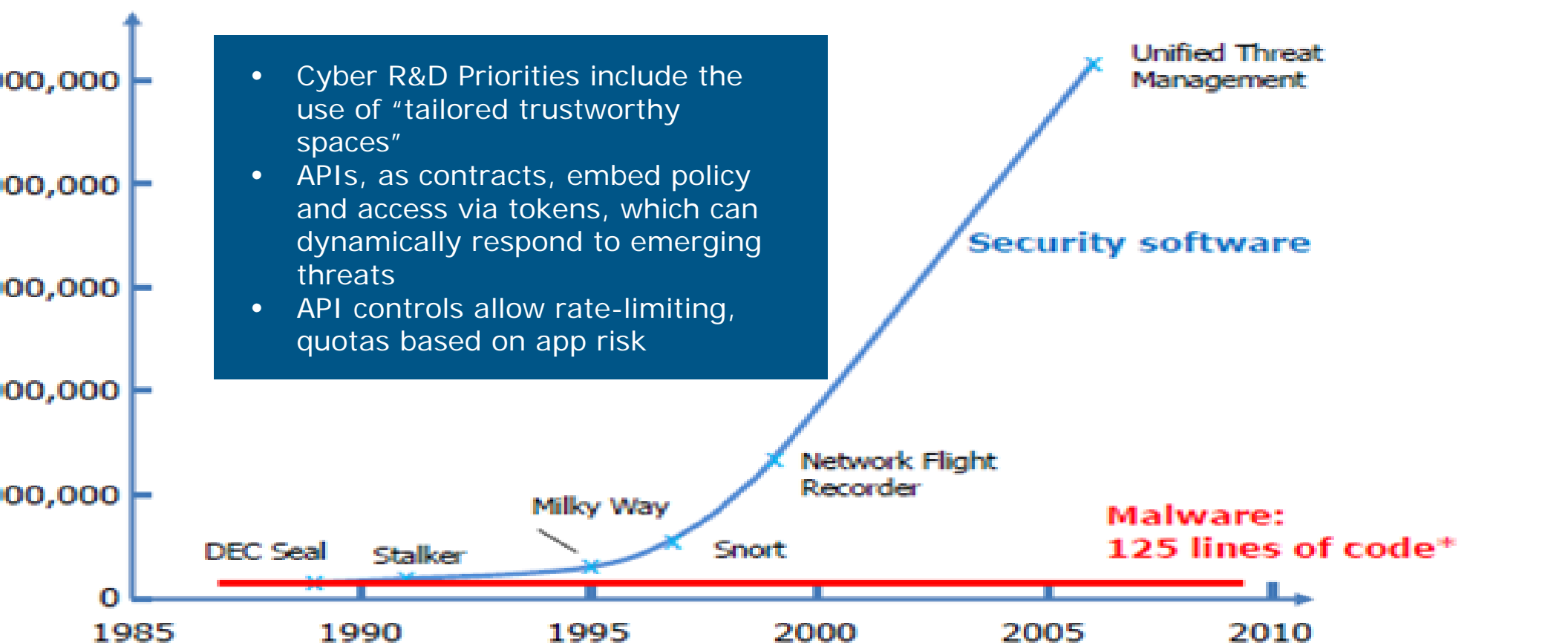


3: Opening Up While Locking Down



IRS Get Transcript service accessed by 23+M consumers;
hackers inappropriately accessed digital service by successfully answering authentication
questions

Opening Up While Locking Down: APIs Enable “Tailored Trustworthy Spaces



* 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

S Blue Button 2.0 Adds “Common Payer Data Feed” via MA Program

Sign in to MyMedicare.gov to continue

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

Username

Password

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

[Need help Signing In?](#)

Don't have a MyMedicare.gov? [Create an Account](#)

[Privacy Policy](#) [Terms of Service/Web confidentiality agreement](#)

Medicare.gov
The Official U.S. Government Site for Medicare

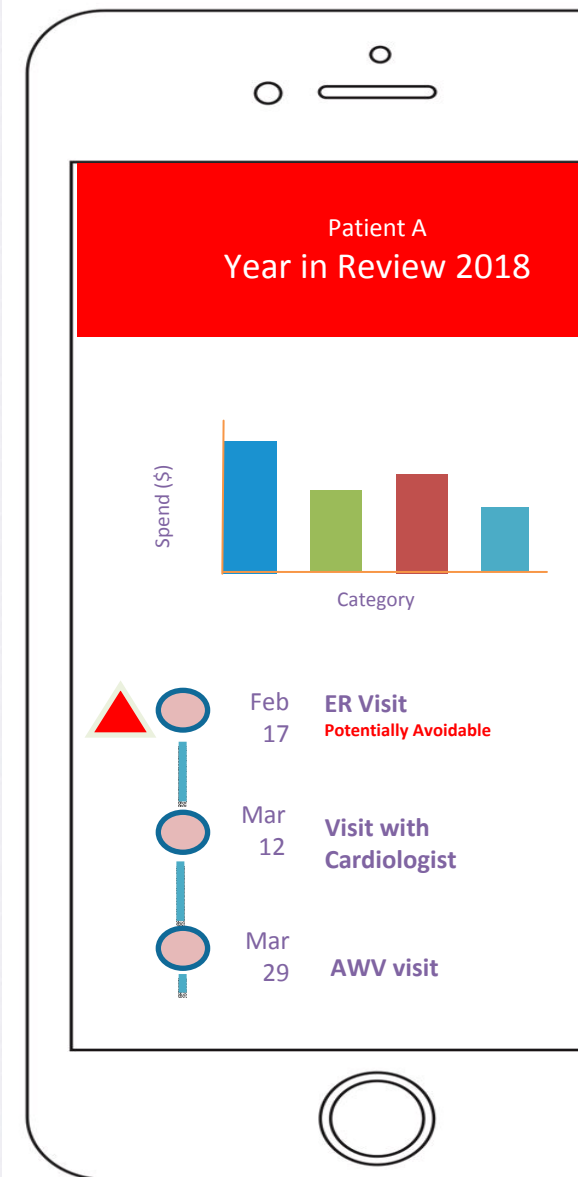
Do you approve the application TestApp to access your Medicare information?

TestApp WILL BE ABLE TO:

- Access at least 3 years worth of Medicare claims information.
- Access your profile and demographic information.
- Create copies of your Medicare data.
- Get updates to your Medicare data so long as you do not revoke access.

[Yes, approve access.](#)

[No, do not approve access.](#)

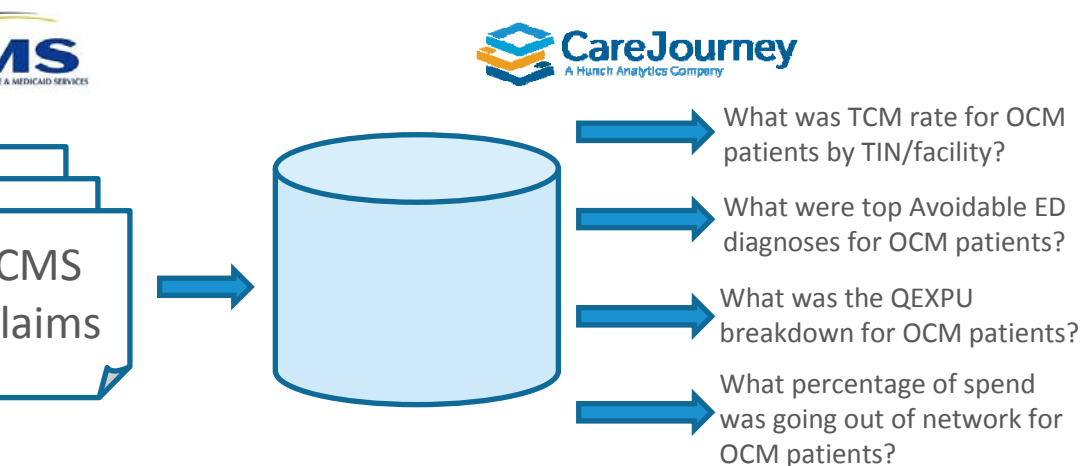
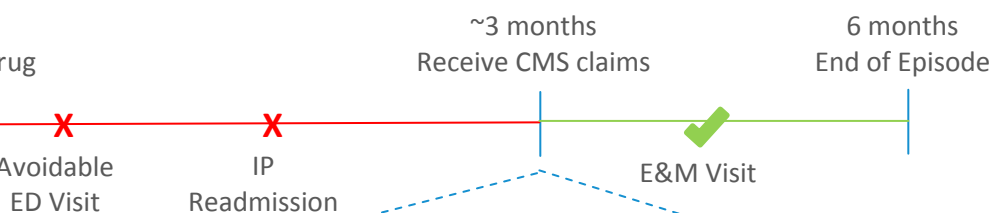


CMS challenges MA plans to “meet or exceed” Blue Button FHIR API (Data Resource) by CY2020 voluntarily, else, will evaluate alternative options; CMS API opens up “linked A/B/D” claims to complement QE, VRDC, ACO, PUF Files

Medicaid, ACO Participants Can Access More Timely CMS Data

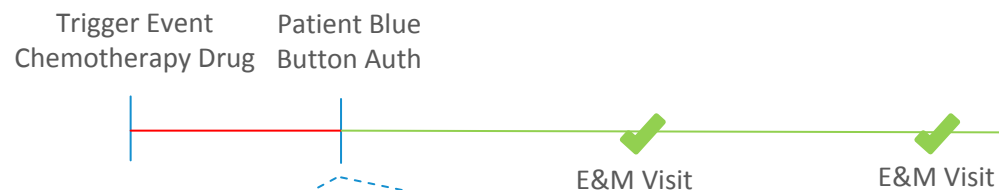
Current Analytics via OCM Model

Timeline

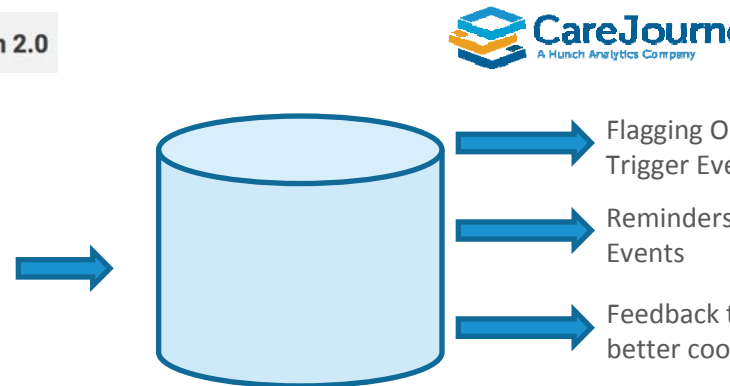
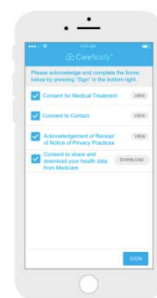


Increased Capabilities Via Blue Button

OCM Patient Timeline



CMS Blue Button 2.0



Blue Button Data ~ Oncology Care Model Insights

OCM Cancer Pop

period: CY2017

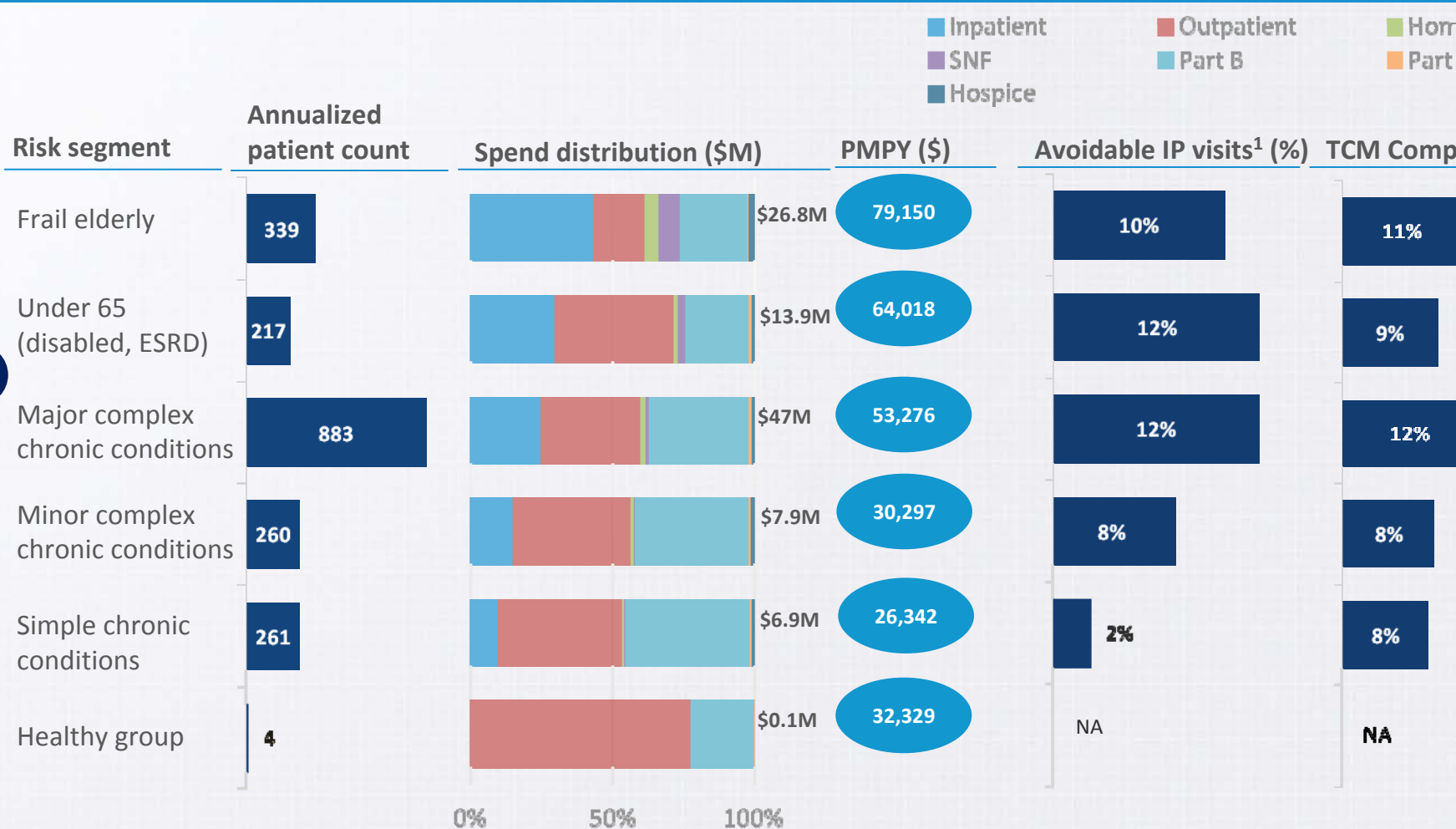
Annualized patient count & total spend
1,964 (3%) out of annualized members in [Sample] are OCM active cancer patients and make up **13% (\$810M)** of **\$810M** spend at [Sample]

Age PMPY Spend:
1 PMPY in the [Sample] OCM cancer pop vs **~21** PMPY in the general [Sample] population

Percent of avoidable IP
 About **10%** of IP visits avoidable in the cancer population vs **~21%** in the general population

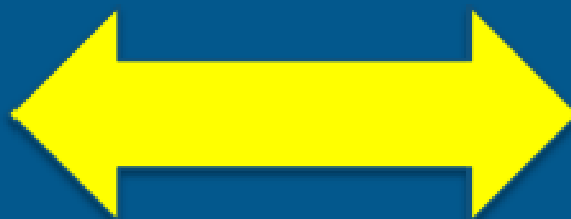
Age % TCM
10% in the cancer pop vs **~21%** in the general pop

[Sample] OCM active cancer population by frailty segments: spend, utilization and quality metrics



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

Covered Entity



Covered Entity

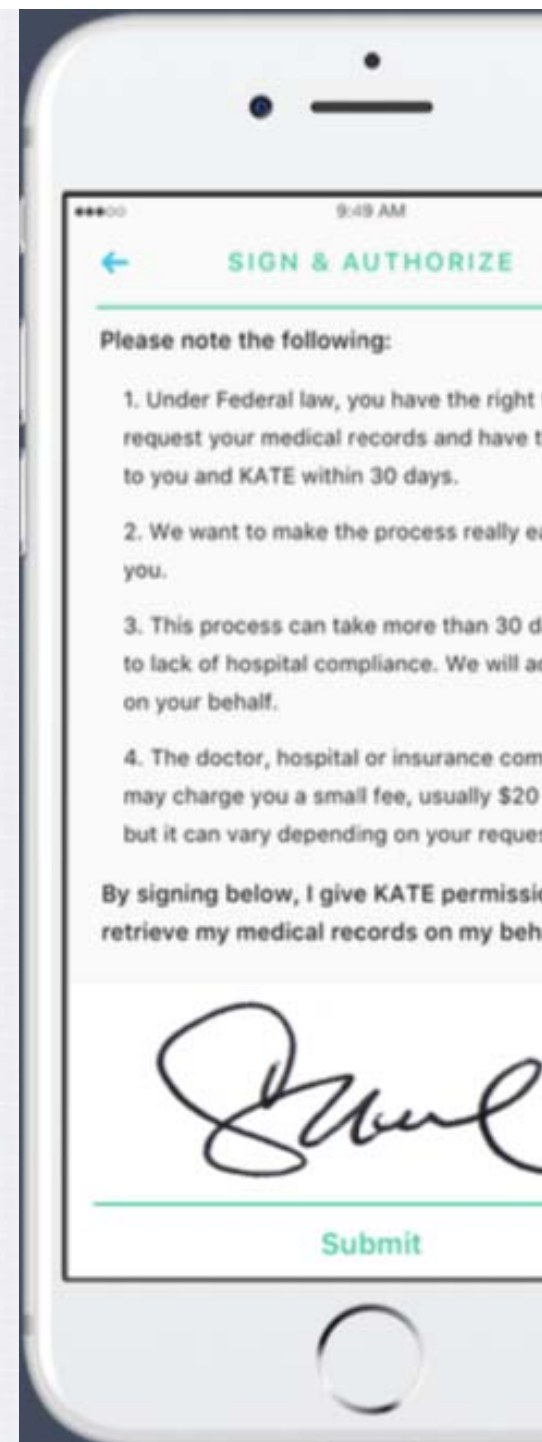
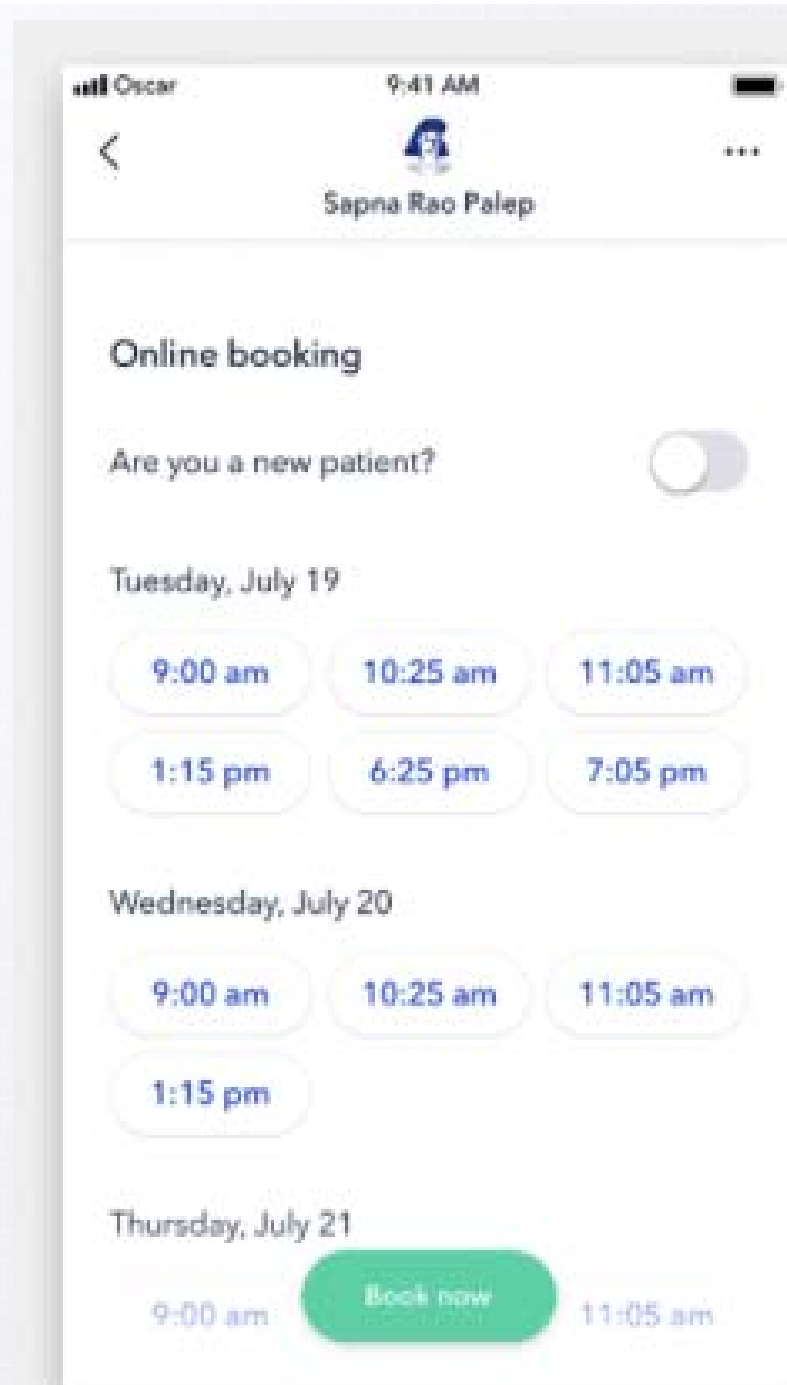
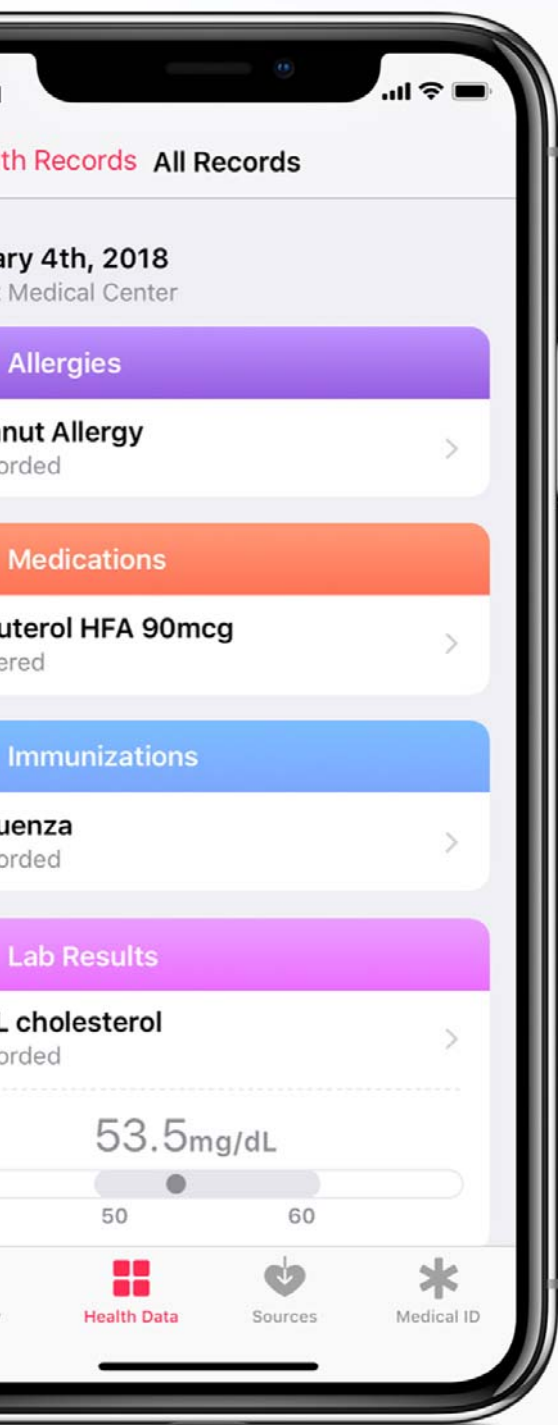
Consumer API

**"Must" Share
vs.
"May" Share**

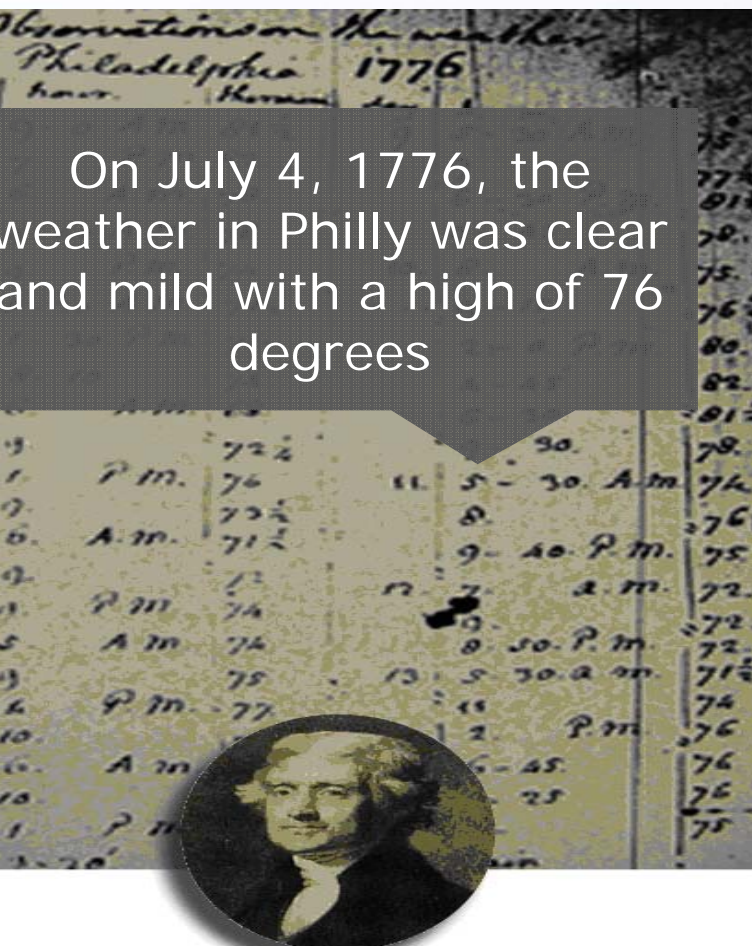


**No Legal
Agreements
Needed**

A consumer can share their data with anyone



Democratize Government Data (From Jefferson to CMS Claims)



On July 4, 1776, the weather in Philly was clear and mild with a high of 76 degrees

Expanded Access to Encounter Data

CMS is expanding data available to researchers starting with 2015 Medicare Advantage (MA) encounter data, which provides detailed information about services to beneficiaries enrolled in a Medicare Advantage managed care plan for the calendar year 2015. Researchers already have access to Medicare claims data for the fee-for-service program, and the release of MA data will provide a fuller picture of care provided to Medicare beneficiaries.

CMS also plans to release data from Medicaid and the Children's Health Insurance Program (CHIP) next year, and such data has the potential to facilitate research that will help drive innovation and competition in the healthcare industry and, ultimately, help doctors and patients make the best decisions about care.

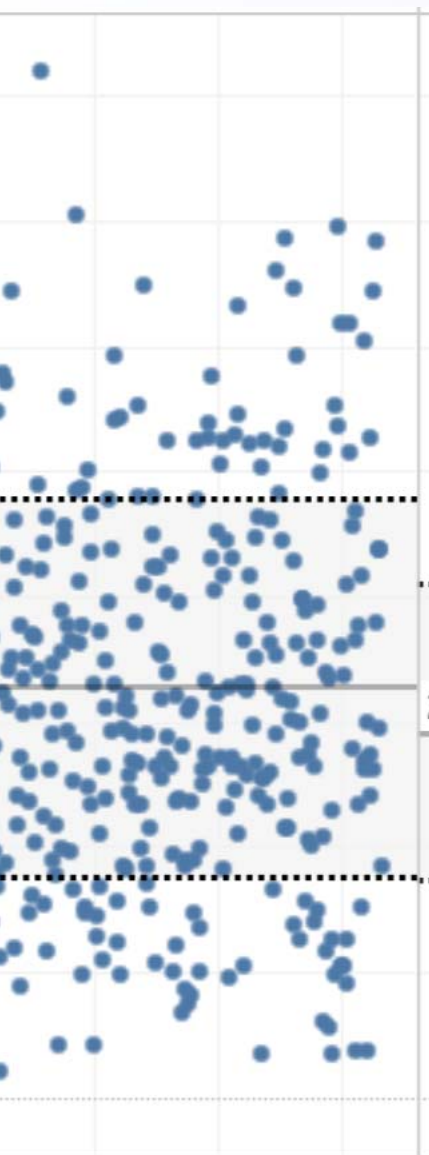
"Data has the potential to help produce better, more targeted treatments at the same time reducing costs," Administrator Verma said.

CMS opens "linked A/B/D" data access to the QE program, VRD, PUF files and "Blue Button"; adds MA and Medicaid 2018-19

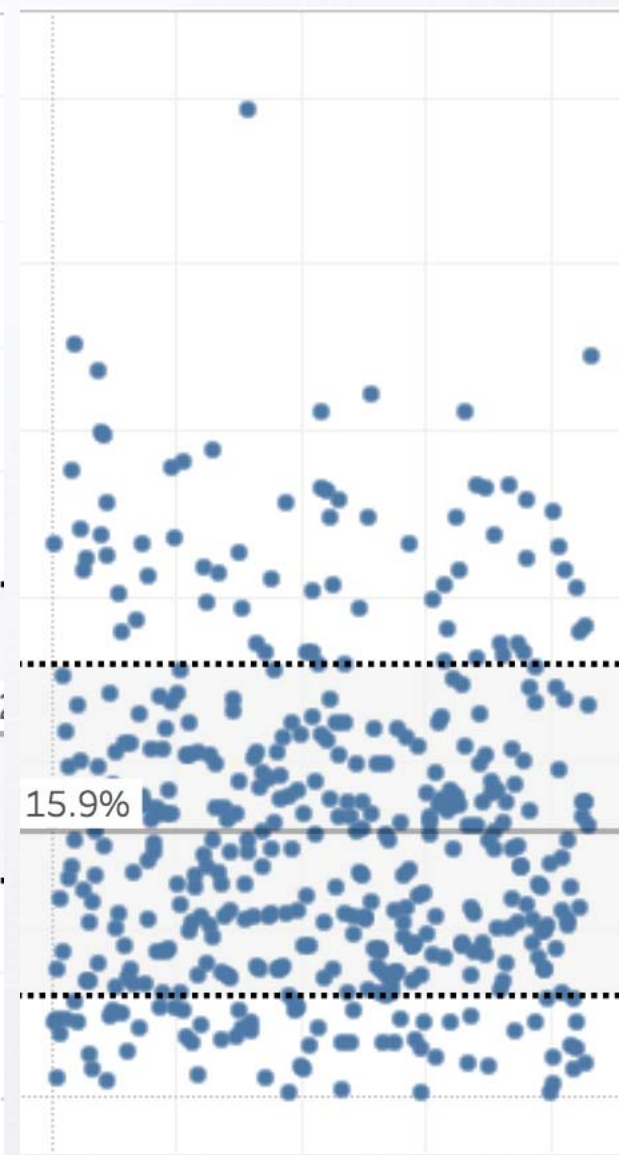
http://celebrating200years.noaa.gov/foundations/climate_data/image1.html; <https://www.ccwdata.org/web/guest/interactive-data/ams->

Spread Variation on Key Preventive Service Performance Metrics

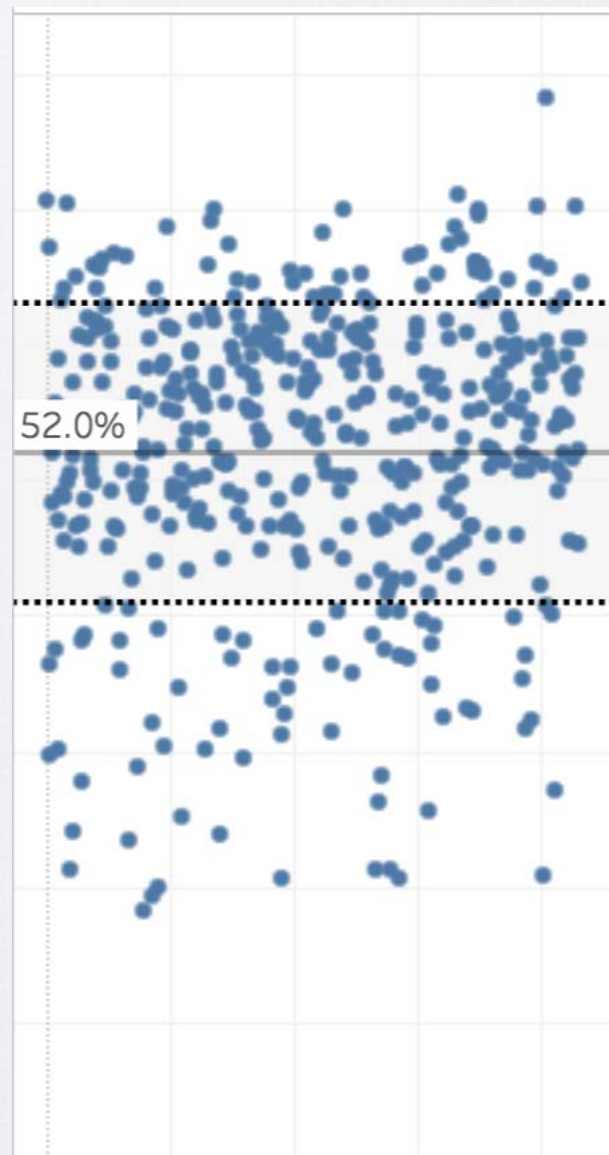
Annual Wellness Visit



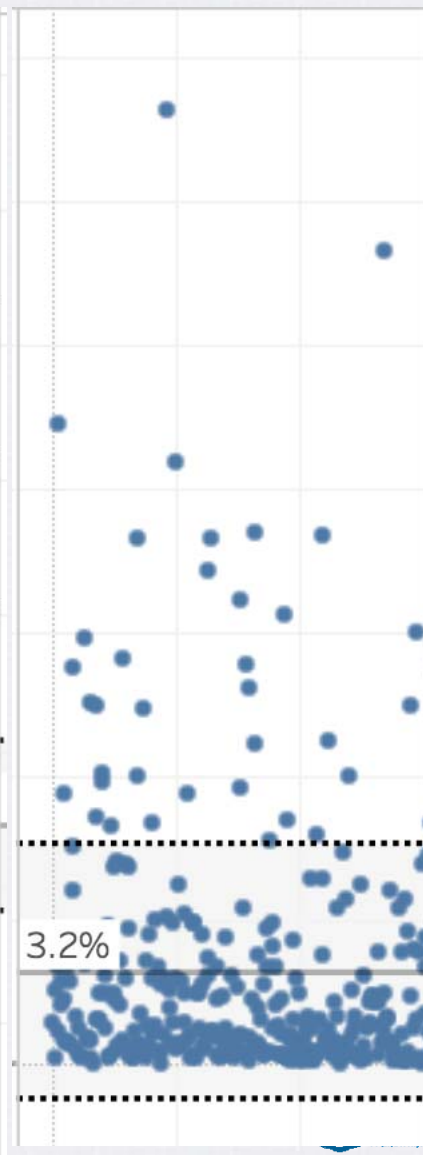
TCM (Transitional Care) Mgmt



Flu Vaccination



ACP (Advanced Care Planning)



Converging on a Single Technical Interop Path – FHIR APIs / Argonaut Project

Open API Pledge

We, the VA Open API Pledge [signatories](#), will voluntarily collaborate with VA to map health data to industry standards (including the current and forthcoming versions of the [Argonaut Project](#) specifications of [FHIR API](#) over the next 18 months.

We will allow access to FHIR as mutually agreed via a standards acceleration collaborative that will be made freely available for anyone to use or share.

We will provide API access to developers for Veteran-designated mobile and web-based apps, clinician-designated applications for those who serve them, and choice care act partners responsible for coordinating their care via “bulk” access.

HHS 2019 Draft IPPS Rule (Promoting Interoperability)

“Finally...HHS could develop...a pilot...[for] use of an API based on the emerging update to the FHIR standard which would allow population level data access through an API in lieu of reporting on measures under the Public Health and Clinical Data Exchange objective.” -

<https://www.cms.gov/Newsroom/MediaReleaseDatabase/Press-releases/2018-Press-releases-items/2018-04-24.html>