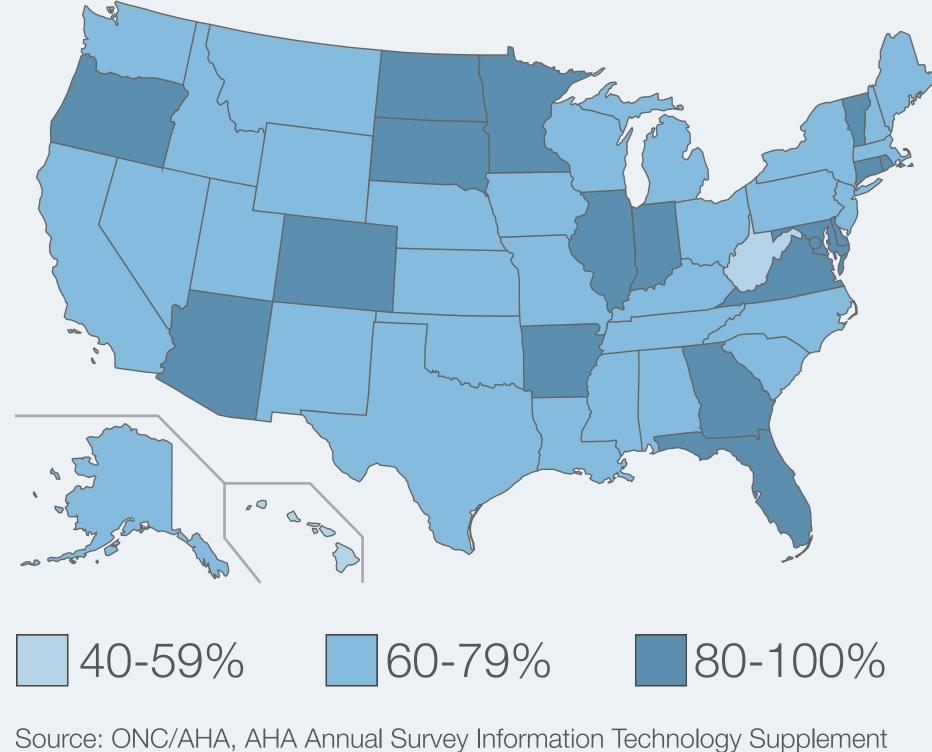
Sexploring how Ontervention uses existing healthcare data to revolutionize population patient healthcare



By 2014, hospital Electronic Health Record (EHR) adoption rates were above 60% in 48 states and above 80% in 17 of those states.



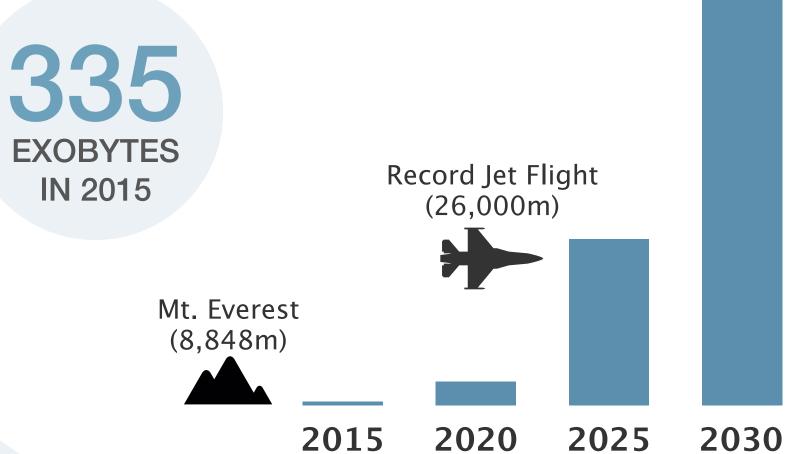
With the mandated adoption of electronic health records (EHRs) in 2009, many healthcare professionals are now trying to figure out how to use all this information.

How much healthcare data are we talking about?



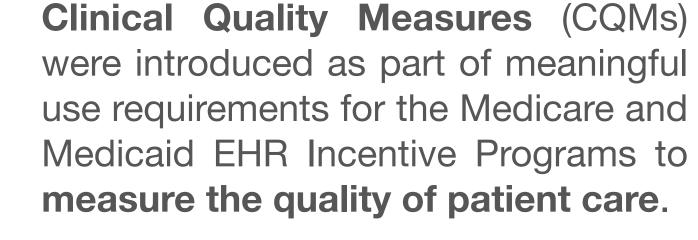
Space Begins (120,701m)

Imagine a stack of iPad Air tablets spread across a football field. If each iPad holds 32 GB of U.S. health data, by 2030, the football field-sized stack of iPads would reach well into space.



Source: Assumes 48% annual increase, EMC and research firm IDC report.

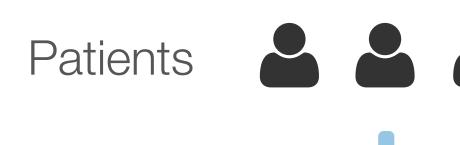
How can we put this real-time data to use?





Eligible hospitals and healthcare professionals are incentivized to report a core set of CQMs to the federal government. These CQMs focus on high-priority health conditions and best-practices for care delivery.

Source: Centers for Medicare & Medicaid Services (CMS)







Electronic Health Record



Clinical Quality Measures



Federal Government



BENEFITS

Encourages healthcare providers to focus on quality over quantity of care.

Helps to ensure that our health care system is delivering effective, safe, efficient, equitable, and timely care.

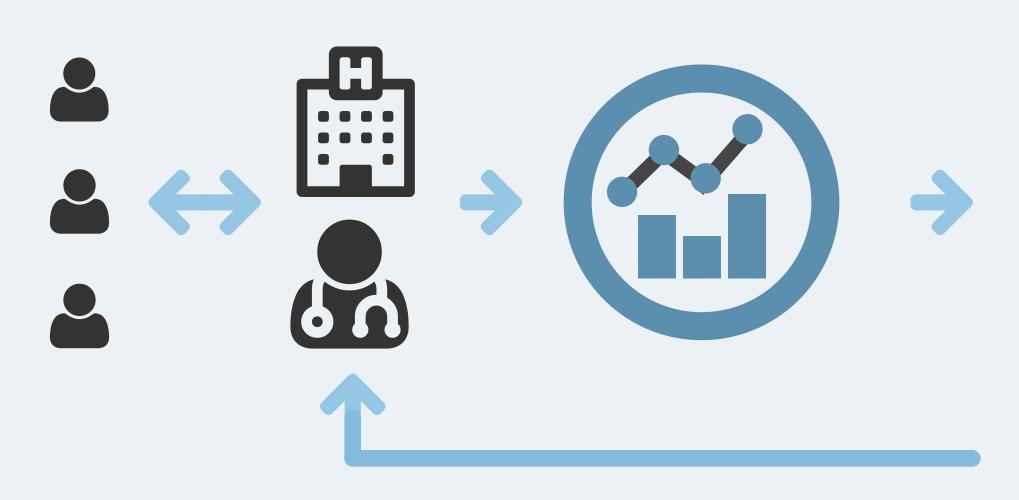
DRAWBACKS

Highly complex and extremely selective measures only apply to specific limited populations.

Measures are **predetermined** and don't necessarily measure patient outcomes.

Insights gained from these measures have no direct feedback loop back to the patient.

Ointerventionengine





Allow providers to put their health data to better use by providing tools to analyze risk and outcomes for self-defined populations.

How can we do better?



Let providers create their own measurements and risk assessment models from their own data.

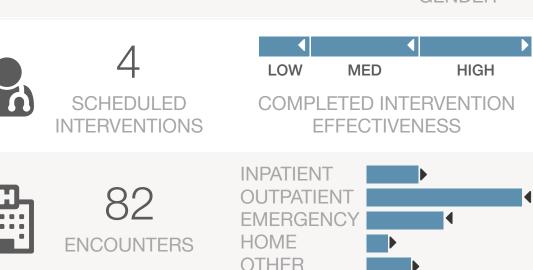
How can Intervention Engine improve population patient healthcare?



Provider-Built Population Measures

Analyzing populations of patients specific to a provider allows more informed clinical decisions and interventions which lead to better directed population health.







Data-Supported Risk Assessment Models

Providing risk assessment tools supported by patient health data allows providers to better track and treat their populations of patients.





[Intervention Engine] will allow the individual caregiver to efficiently use evidence-based medicine to improve care at reduced cost.

> ~ Dr. Dana Frank, Chair, Department of Medicine MedStar Good Samaritan Hospital / Union Memorial Hospital



Some might think of Intervention Engine as a tool for "the Health" System of Tomorrow." It is not. It is a game changer. It is a tool that we all needed yesterday. We can't afford to fall any further behind in caring for our patients on the population level.

~ Dr. Joey Nichols, Director of Scholarship and Discovery - MedStar

Learn more at www.interventionengine.org an open source project