# FHIR Based API's: A New Approach to Administrative Transactions

HIPAA Summit March 6, 2019

John Kelly Edifecs

# Why are we Talking about FHIR?

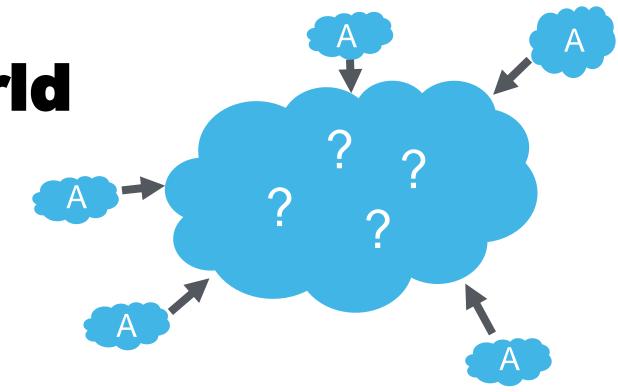
#### The Jasons

 An independent group of elite scientists which advises the United States Government on matters of science and technology



We Live in a Google World

- ✓ RESTful Services
- ✓ OAuth
- **√** JSON



### "You Got it all Wrong"

- The 2013 JASON Report ("A Robust Health Data Infrastructure") is highly critical of the status and trajectory of healthcare interoperability.
- Recommends a major shift in the US health exchange paradigm.
- It points to the lack of an architecture supporting standardized APIs, as well as EHR vendor technology and business practices, as structural impediments to achieving interoperability.

#### What is FHIR?

#### From lands without HIPAA

"Fast Healthcare Interoperability Resources (FHIR, pronounced "fire") is a draft standard describing data formats and elements (known as "resources") and an application programming interface (API) for exchanging electronic health records. The standard was created by the Health Level Seven International (HL7) health-care standards organization..."



## FHIR vs C-CDA

#### We do like our 8" X 11"

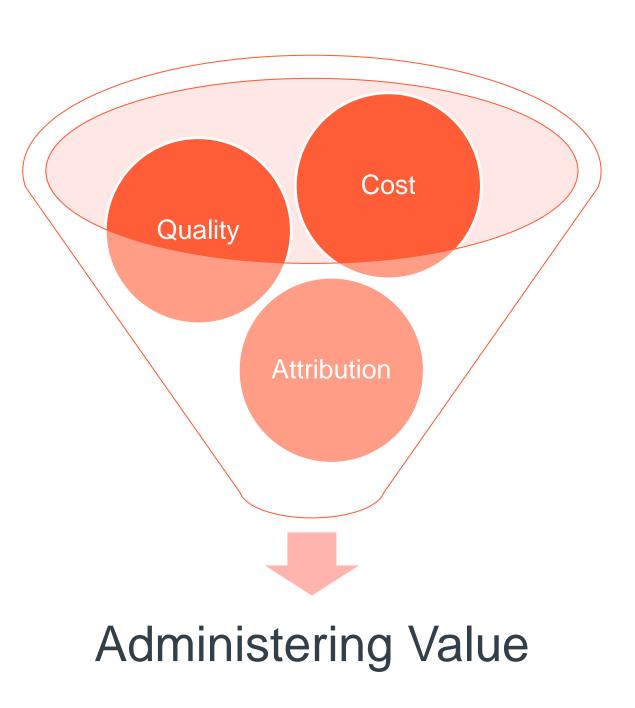
- Data Elements vs. Documents
- API's vs. Envelopes
- C-CDA on FHIR
- .docx vs. .xlsx
- Context Capture vs. Information Processing



# FHIR and Administrative Automation

## **Collapsing Data Streams**

- From Argonauts to DaVinci
- Simplifying Complexity
- Expanding the scope of barter components
- Facilitating Provider participation without increasing burden-Not FFD (Fee For Documentation)



## The DaVinci Project Use Cases

Rationalizing Adoption of FHIR for Payer & Provider







Data Exchange for Quality Measures

Coverage Requirements Discovery Documentation Templates and Coverage Rules **Use Case Status** 

In HL7 ballot reconciliation as draft standard

Under active development

2019 use cases

Use cases in discovery

Health Record
Exchange:
Clinical Data
Exchange

Health Record
Exchange:
Payer Data
Exchange

Prior-Authorization Support

Gaps in Care & Information

Risk Based
Contract Member
Identification

Alerts:
Notification (ADT),
Transitions in Care,
ER admit/discharge

Performing Laboratory Reporting

Chronic Illness
Documentation for
Risk Adjustment

Patient Cost Transparency 2