

1:40 PM
Option C

TCPi Learning Collaborative: Leveraging Your Data

Michael Jacobson, MD, FAAP, FACMI Chief Medical Informatics Officer Children's Primary Care Medical Group

RADY CHILDREN'S HEALTH NETWORK

An Integrated Delivery System

Hospital

Rady Children's Hospital San Diego

Children's Primary Care
Medical Group, Inc.

Primary Care

Specialty





IPA





RADY CHILDREN'S HOSPITAL

SAN DIEGO

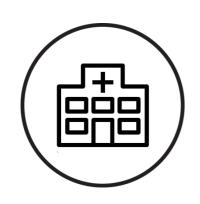






CHILDREN'S PRIMARY CARE MEDICAL GROUP

(CPCMG)



22 Sites

Throughout San Diego and southern Riverside counties



232,000 Patients

466,000 outpatients visits











AGENDA



TCPi
Transforming Clinical Practice
Initiative



BIG DATA
The solution lies
somewhere within



DEFINE THE PROBLEM

Identify a specific medical

condition you want to affect



TAKE ACTION

Use the obtained knowledge to improve health





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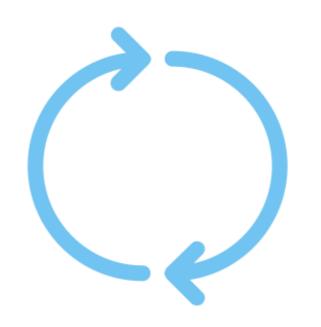
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TRANSFORMING CLINICAL PRACTICE INITIATIVE









Payment and Practice Reform

Care Coordination

Community-Based Health Teams **Improved Quality and Reduced Cost**

Primary care and specialty care

Providers of services and suppliers

Support chronic care management

Support practice transformation





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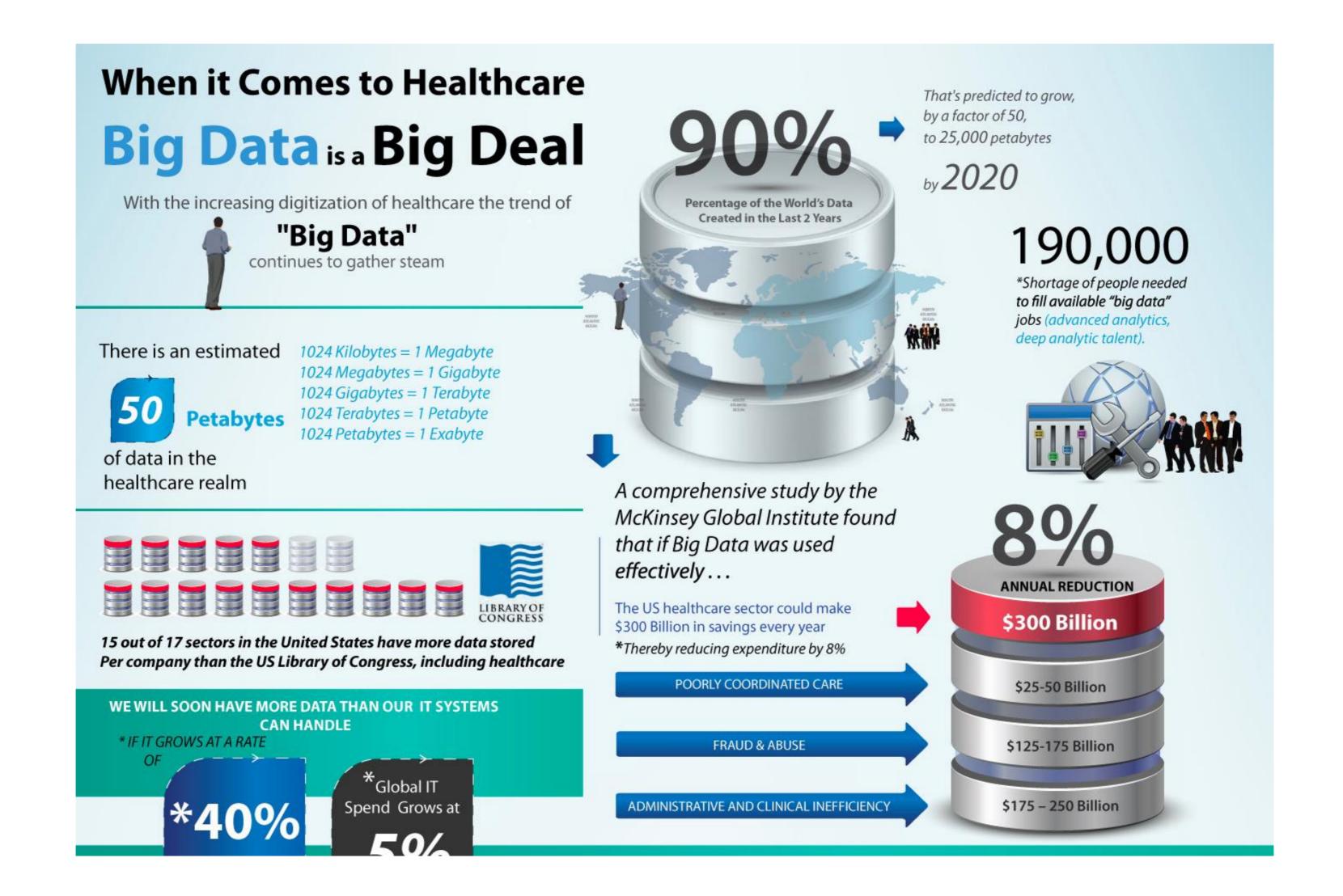


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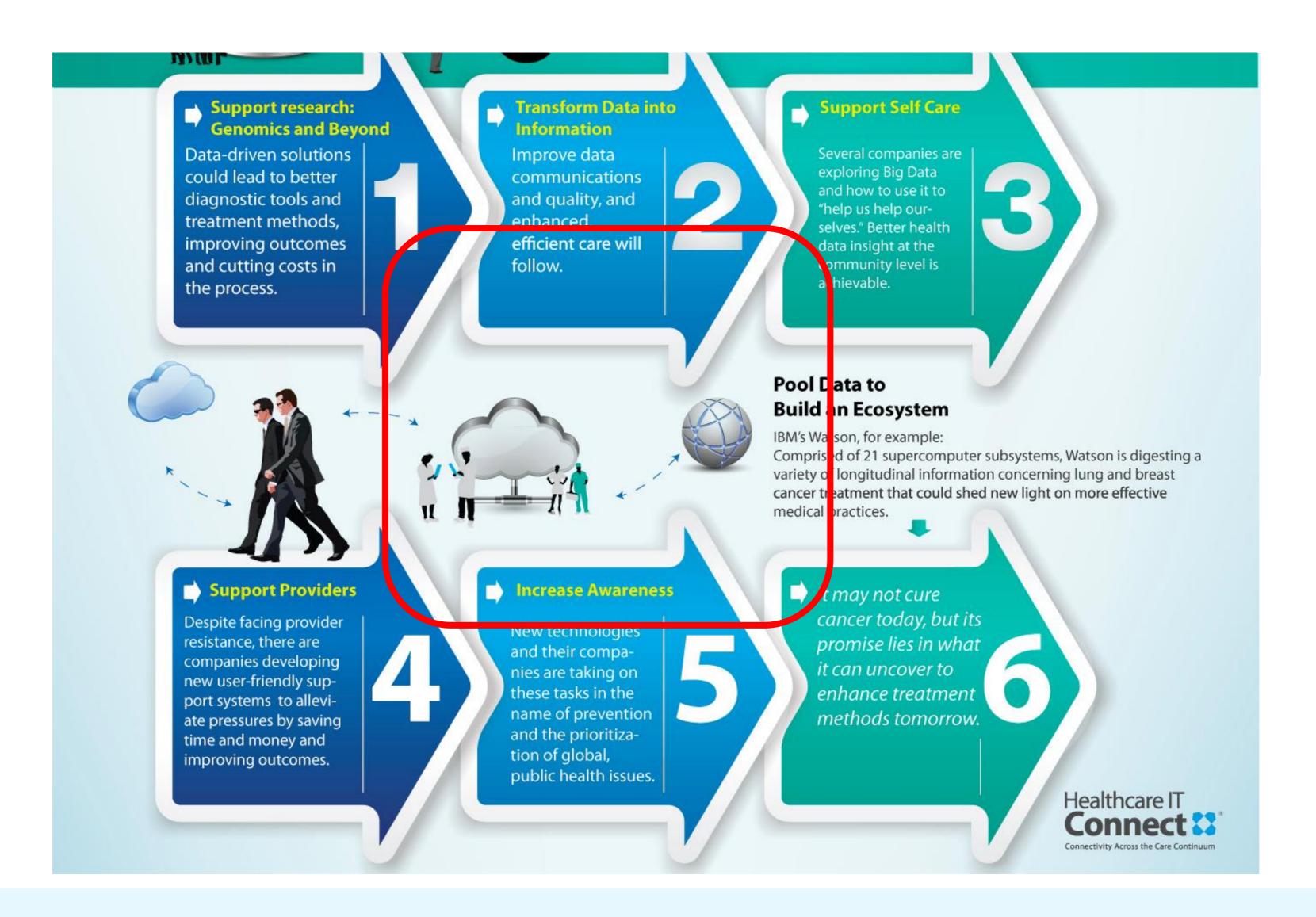






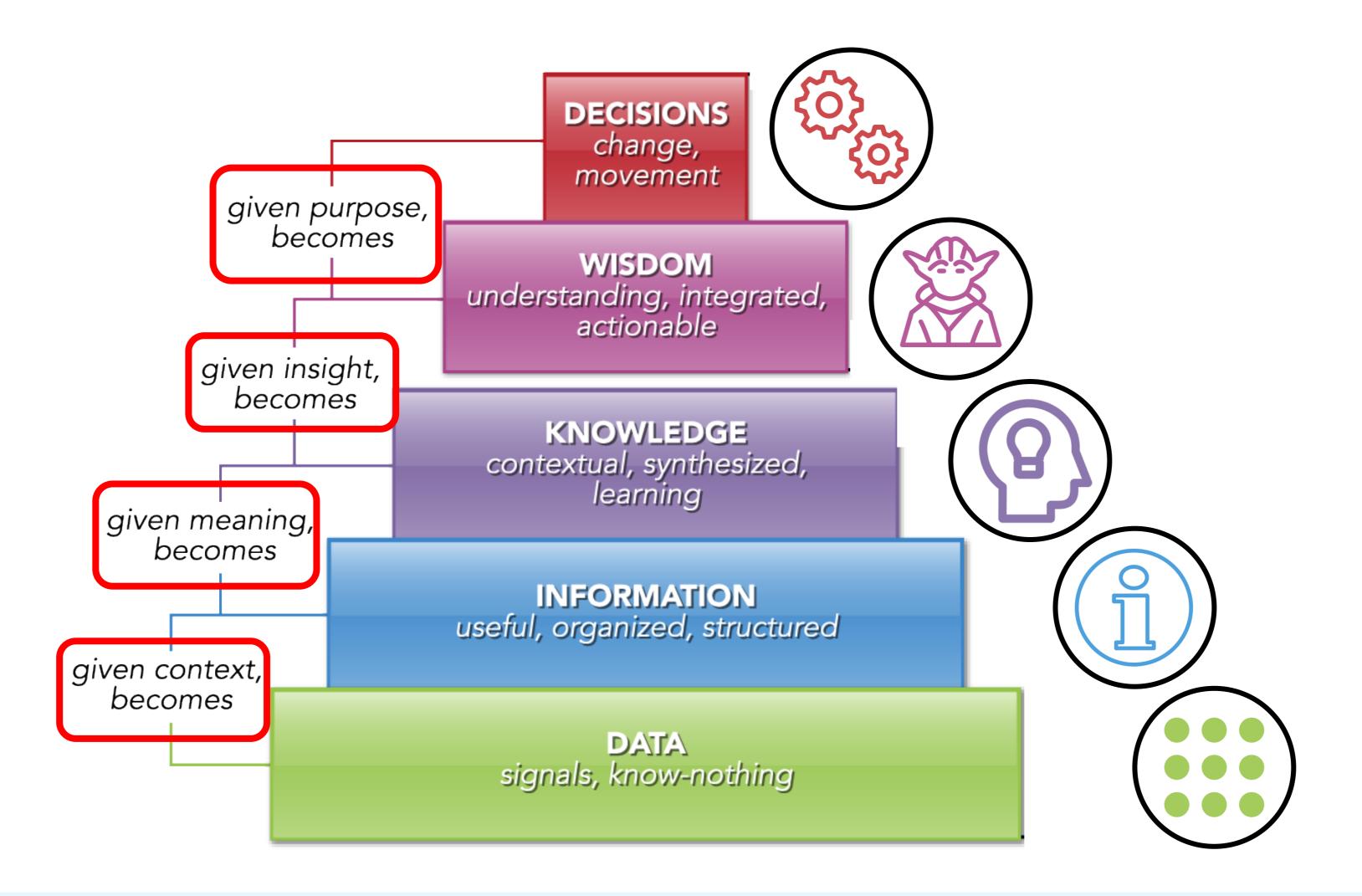






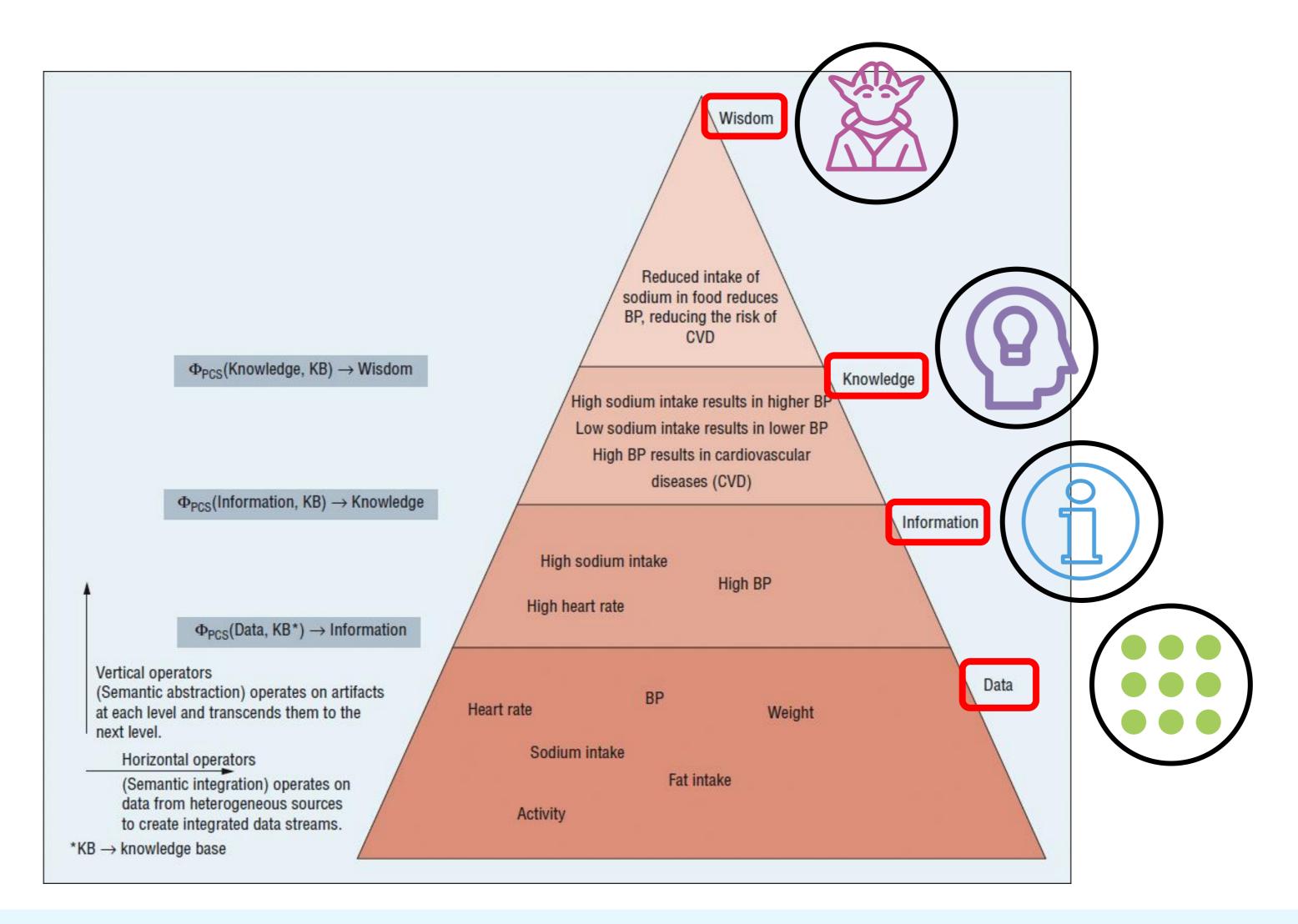
















		Step	Description	Value Added
	→	Wisdom	Knowledge + Insight + Action	Actionable intelligence: establish and reach measurable goals; wiser decisions
	↑	Knowledge	Information + Meaning	Connections: comparison, consequences, conversations
	↑	Information	Data + Context	Interpretation: contextualized, categorized, calculated, condensed
	↑	Data	Foundation for information	Observation: discrete, objective facts, figures, etc.





WHAT DATA DO WE COLLECT?

UNstructured Data







Radiology Images

Radiology Reports

Audio Dictations

Scanned Documents



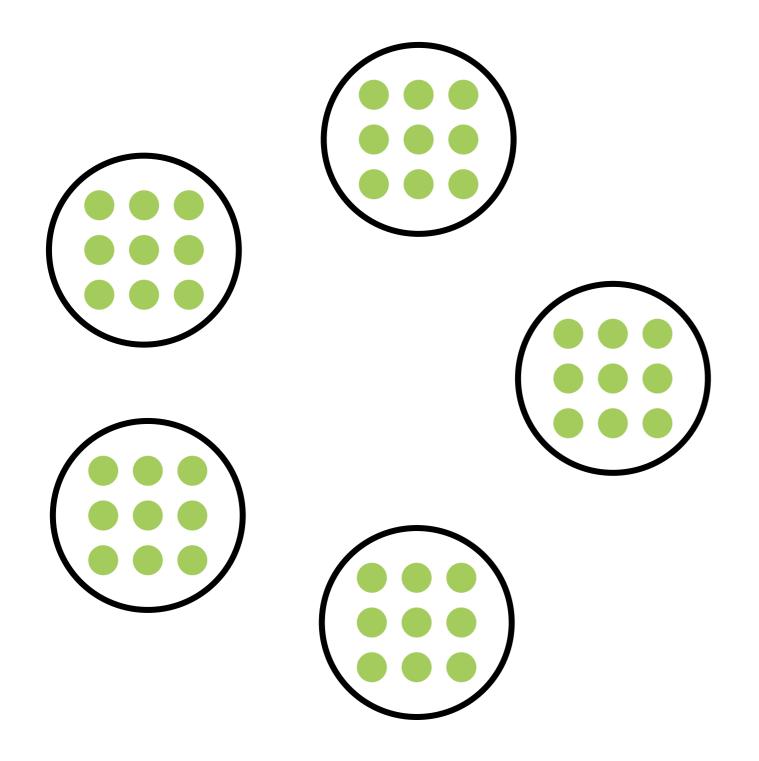




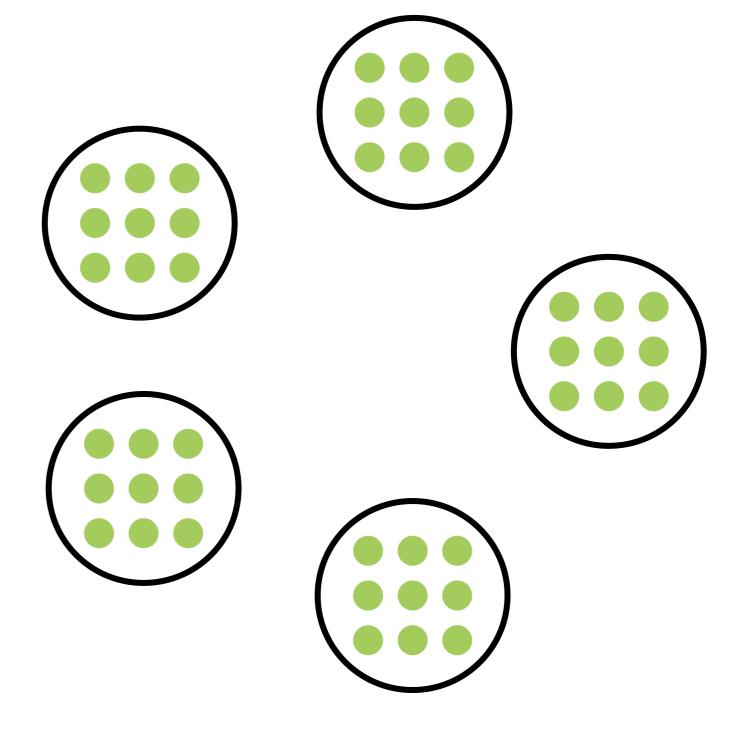


WHAT DATA DO WE COLLECT?

Structured Data



Chief Complaint
Vital Signs
Past Medical History
Social History
Encounter Diagnosis
Problem List
Vaccine Record
Date of Service
Demographics
Lab Result







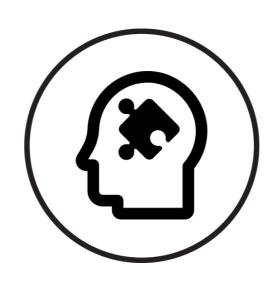
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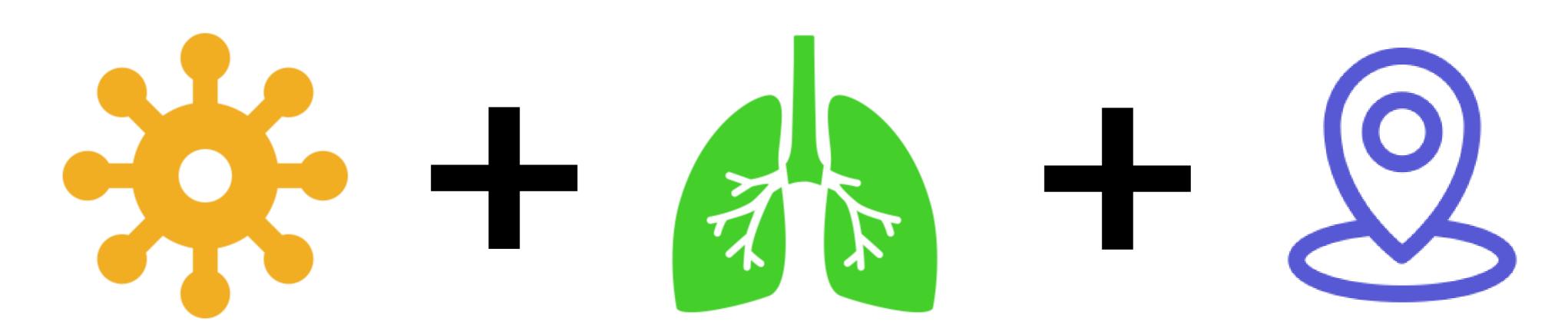




DEFINE THE PROBLEM

- "I Wantent preweillness uenza infection.
- Prevent morbidity from known illness
- Decrease cost of care
 "I want to prevent influenza infection in patients with asthma."
 Meet recommended guidelines

"I want to prevent influenza infection in patients with asthma who live in the region of a current influenza epidemic."





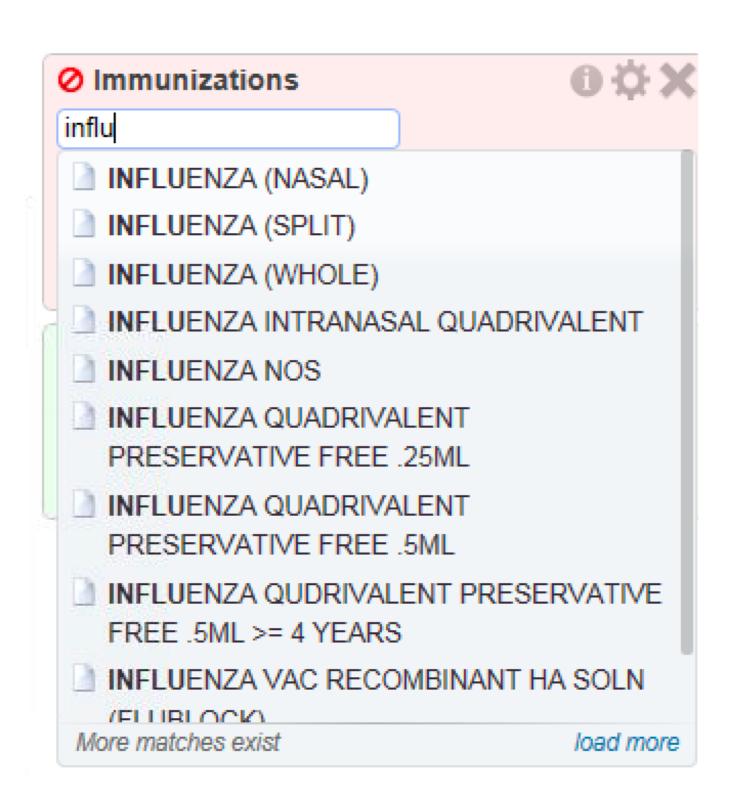


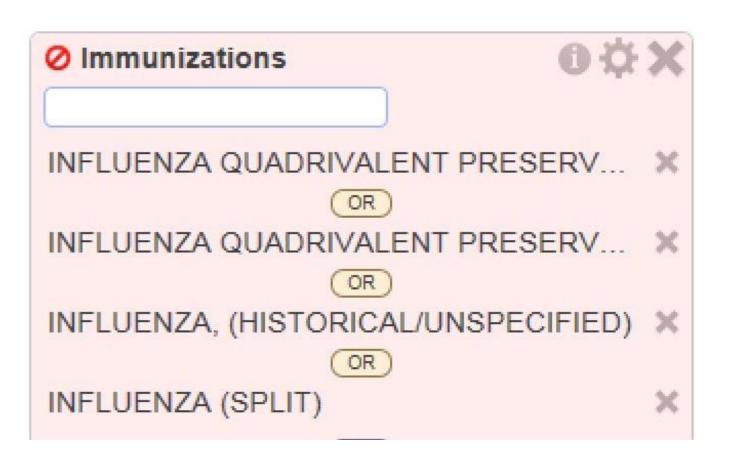






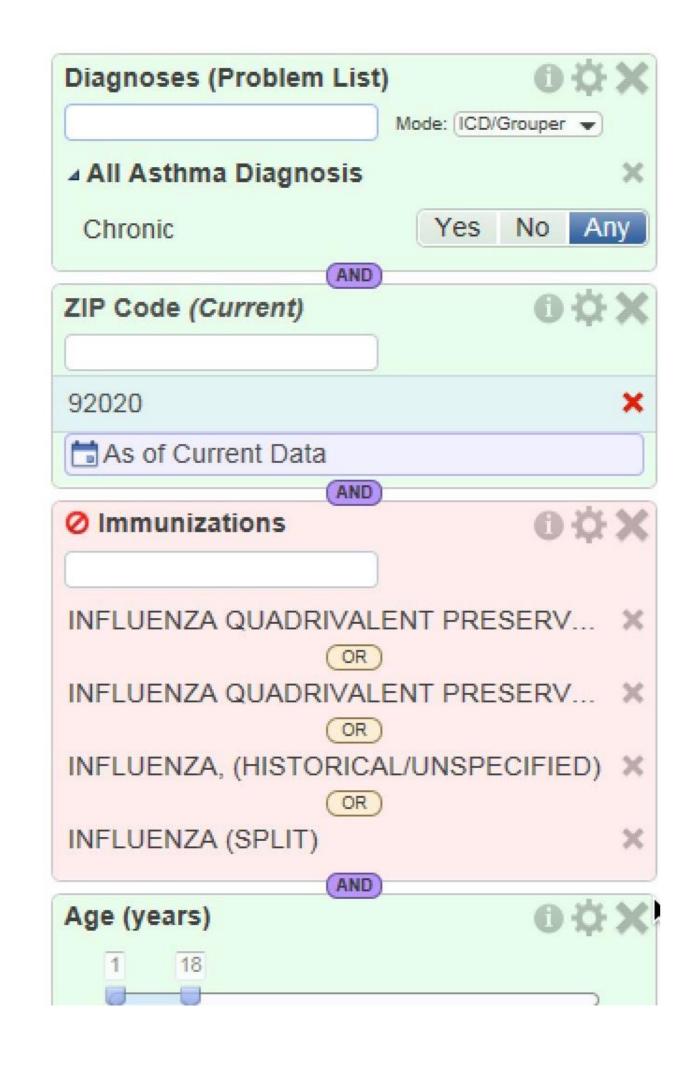


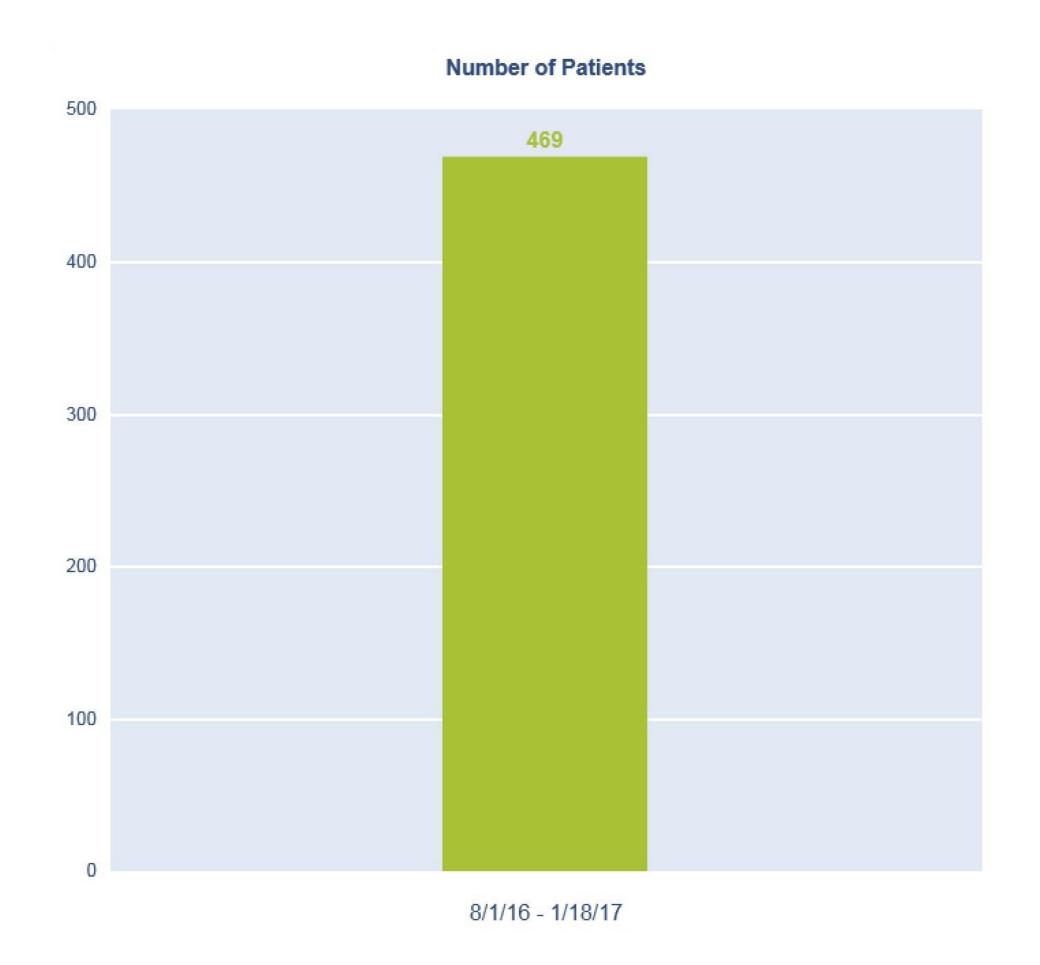






















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3 DEFINE THE PROBLEM Identify a specific medical condition you want to affect



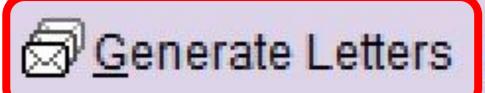
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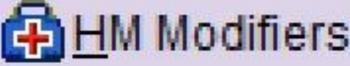
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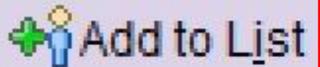




TAKE ACTION









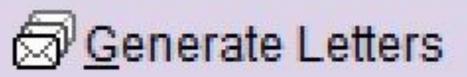


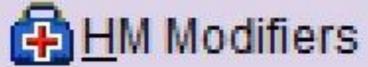


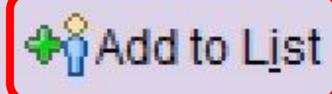




TAKE ACTION









Age	Problem List	Allergies	PCP
12-year old		No Known Allergies	Burgamy, Elizabeth B, MD
12-year old		Azithromycin	Muth, Natalie D, MD
12-year old	Dyslipidemia	No Known Allergies	Muth, Natalie D, MD
12-year old		No Known Allergies	Jacobson, Michael B, MD
12-year old		No Known Allergies	Burgamy, Elizabeth B, MD







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