

Population Health

Can HIT solve the case?



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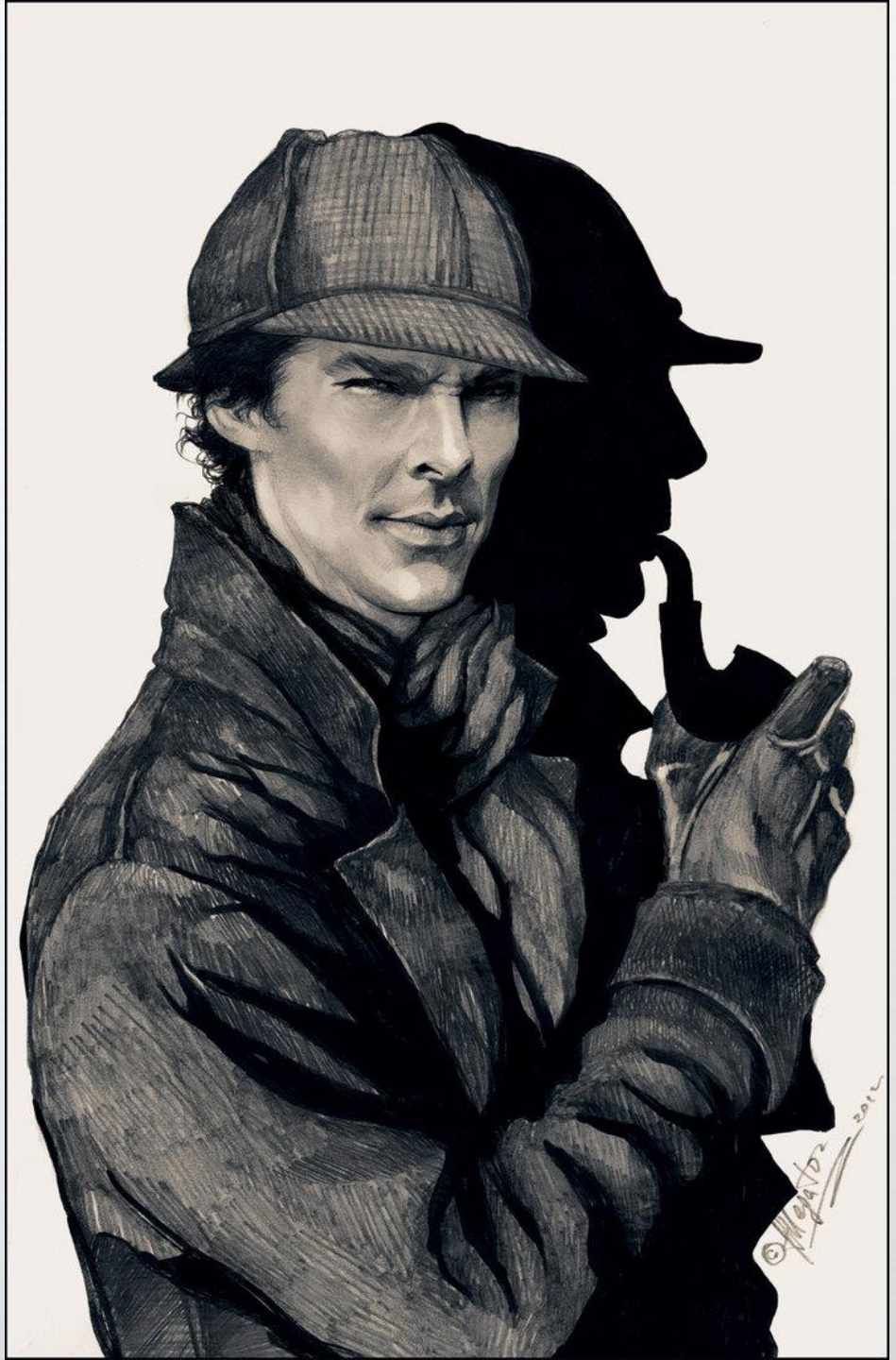
C&SOHIMSS 2013

Sherlock Holmes

What obvious findings are actually clues?

How do we ask the right questions?

How predictable is every pattern?



Distribution of Patients



Healthy Patients

Pre-Chronic Disease

Chronic Disease

Chronic Disease
with
Complications

Distribution of Cost



Healthy
Patients

Pre-Chronic
Disease

Chronic Disease

Chronic Disease with
Complications

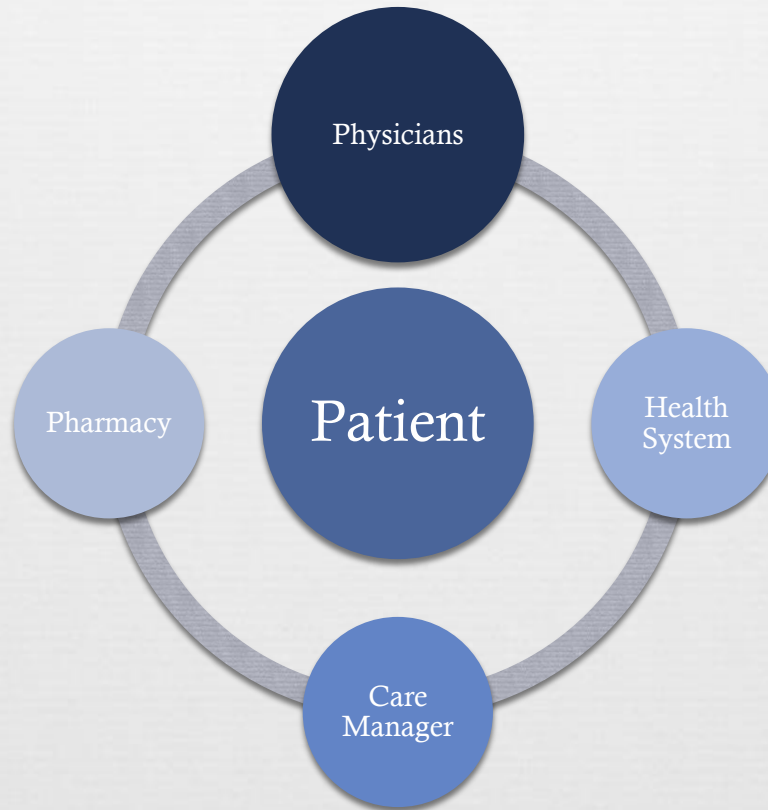
Population Health Management



Helping every **person** in a population we are **accountable** for managing, *achieve* and *sustain* their **best health** for the **best cost**.

DRAFT

Patient Centered Physician Directed





Overlapping “Populations”



Physician
Practice

Demographic

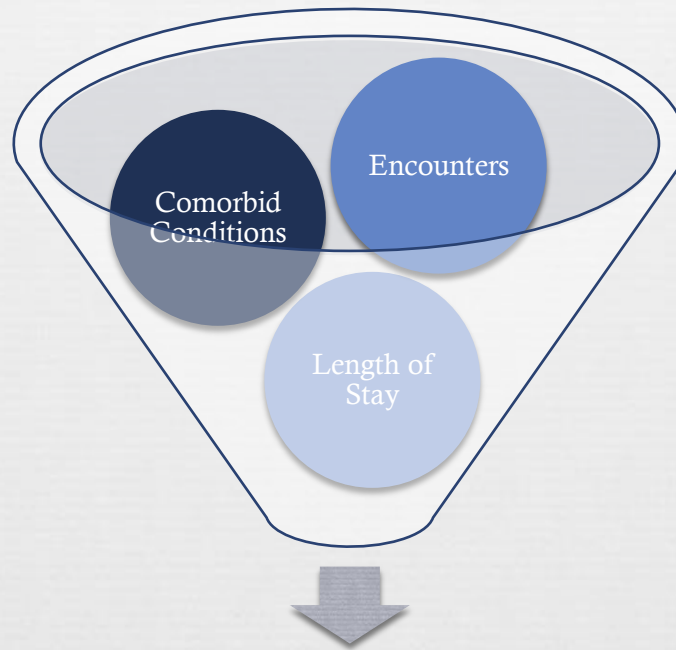
Chronic
Disease

Employer

Payer



Adjusting for Risk



Risk Stratified

Ontology of Data Analytics



Patient Identification

Clinical

Claims

Locations

Providers

Longitudinal

Acute

HIE

Inpatient

Ambulatory

Payer

In Network

Out of
Network

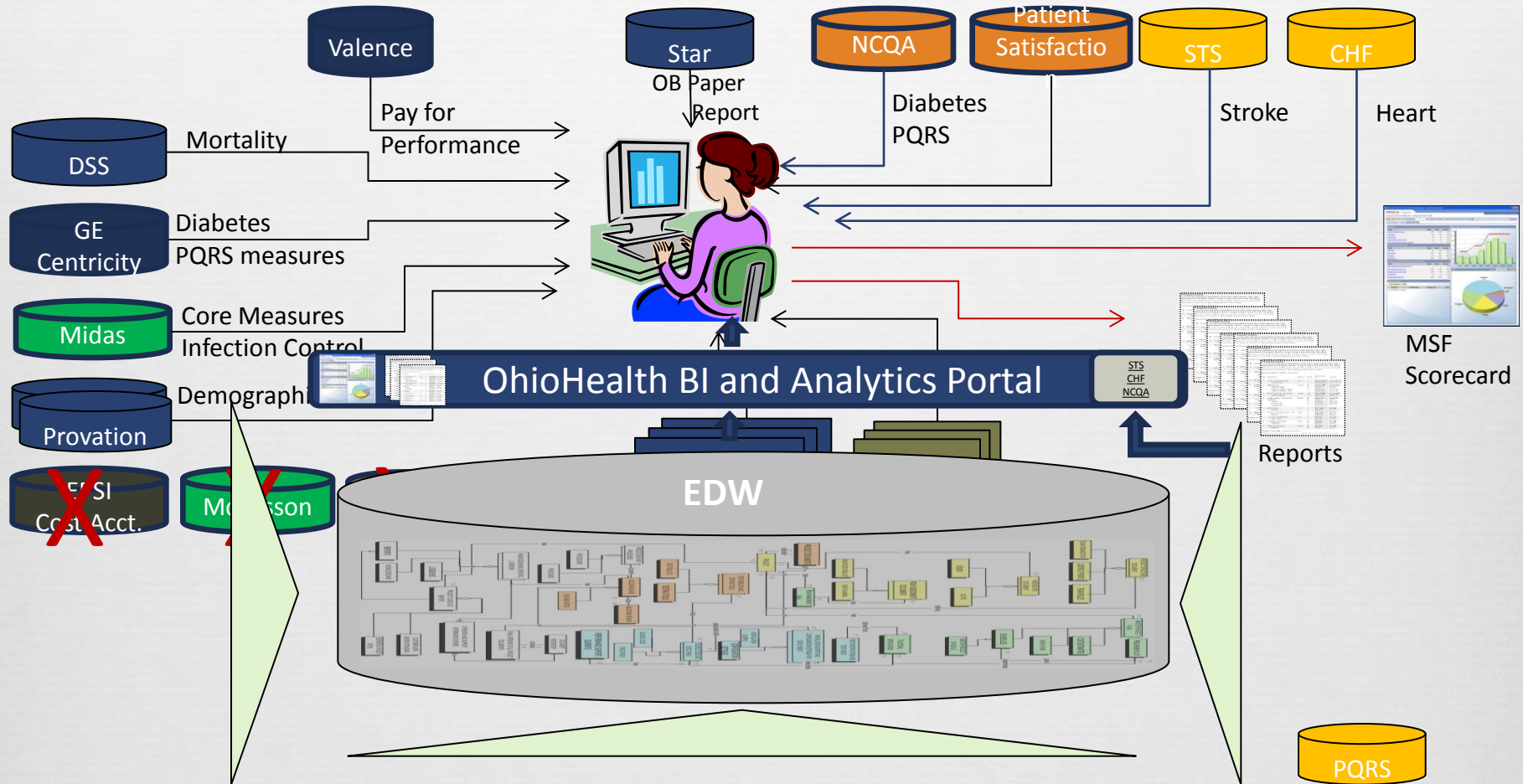
Primary
Care

Specialty

Extenders

Let's help Becky get from here

To here!



Data Management Infrastructure



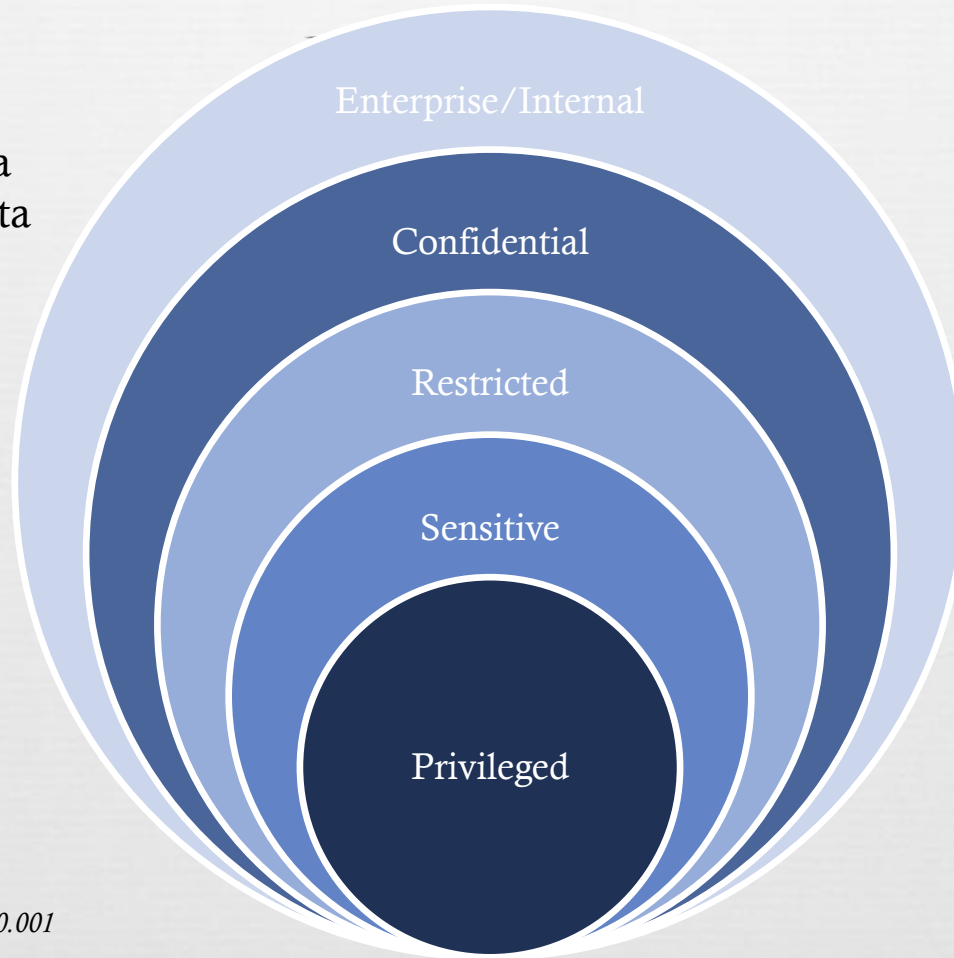
- ❧ Governance
- ❧ Prioritization
- ❧ Programmatic and incremental development
- ❧ Master patient index
- ❧ Data integration / movement
- ❧ Data warehouse

Data Clearance Definitions

CareConnect rollout
schedule
Patient satisfaction data
Registry benchmark data

ePHI
Health care business
information

Contribution
margins
Cost information
New acquisitions
Contracts



Business Information
Quality data
Physician-specific
HCAHPS data
HR records
General Accounting
Aggregated patient
data

Physician
Credentialing
Peer Review
Attorney-Client
Risk Management
Specifics for RCA,
ACA

Note: Reference: Policy No. IM-510.001

Role Based Access



	Functional Privileges						Content Privileges									
	No PHI	Partial PHI	Full PHI	AD-HOC REPORTING - CREATE, SAVE	AD-HOC REPORTING - CREATE, EDIT, SAVE	REPORTS & DASHBOARD - GENERAL USE	ENCOUNTER	ENCOUNTER SUMMARY AND DETAIL	ENCOUNTER BILL DETAIL	PATIENT EXPERIENCE	QUALITY & PATIENT SAFETY	PATIENT EXPERIENCE	VALUE BASED PURCHASING	No Financial	Partial Financial	Full Financial
Analytic Portal Users																
Standard User		✓				✓	✓	✓	✓	✓	✓	✓		✓		
Care Site Administration			✓			✓	✓	✓	✓	✓	✓	✓	✓		✓	
Quality Analytics			✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓	
Rev Cycle Analytics			✓	✓		✓	✓	✓	✓	✓	✓	✓	✓			✓
Executive		✓				✓	✓	✓	✓	✓	✓	✓	✓			✓

Enterprise Analytics

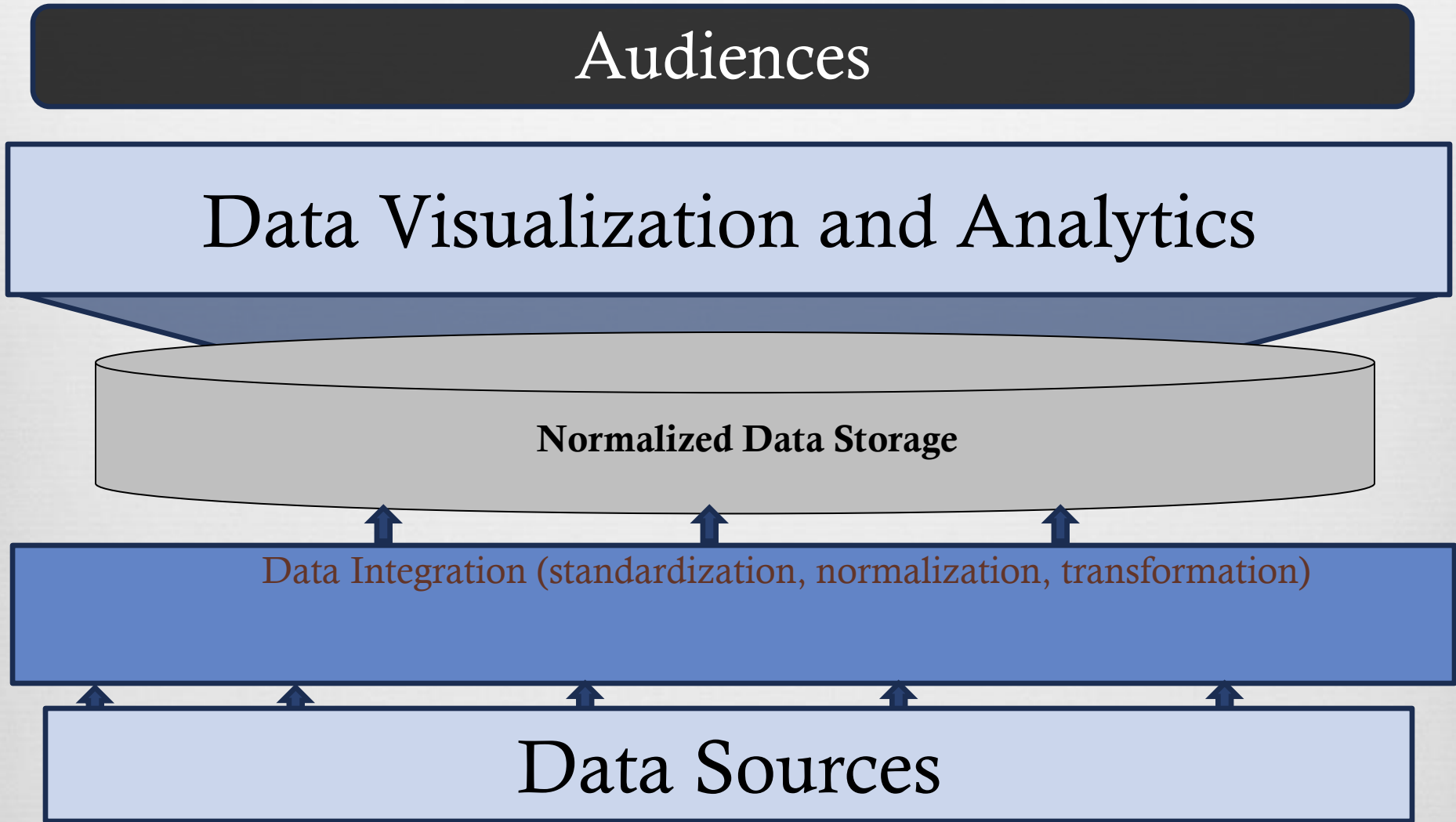
Audiences

Data Visualization and Analytics

Normalized Data Storage

Data Integration (standardization, normalization, transformation)

Data Sources



WWSHD



- ❧ Patient-centered, patient engaged
- ❧ Physician-directed
- ❧ Manage least healthy first
- ❧ Be flexible in defining “populations”
- ❧ Be programmatic
- ❧ Be Value