



# Data & Analytics Support

## 2017 New Executive Orientation

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# Overview

**1**

## **The Process**

Databases & BI  
Technologies

**3**

## **Member Questions**

Research in VA Healthcare

**2**

## **The Approach**

Phases of Data &  
Analytics

**4**

## **VHHA Analytics**

Answers via Self-Service  
Analytics

# 1

# What Does the Data Team Do?

## 1. Data Collection

- Virginia Inpatient Database
- Readmissions Database
- Virginia All Payer Claims Database
  - Inpatient, outpatient, physician office claims, ED & prescription claims
- County Health Rankings, EIG, CMS, VDH & more

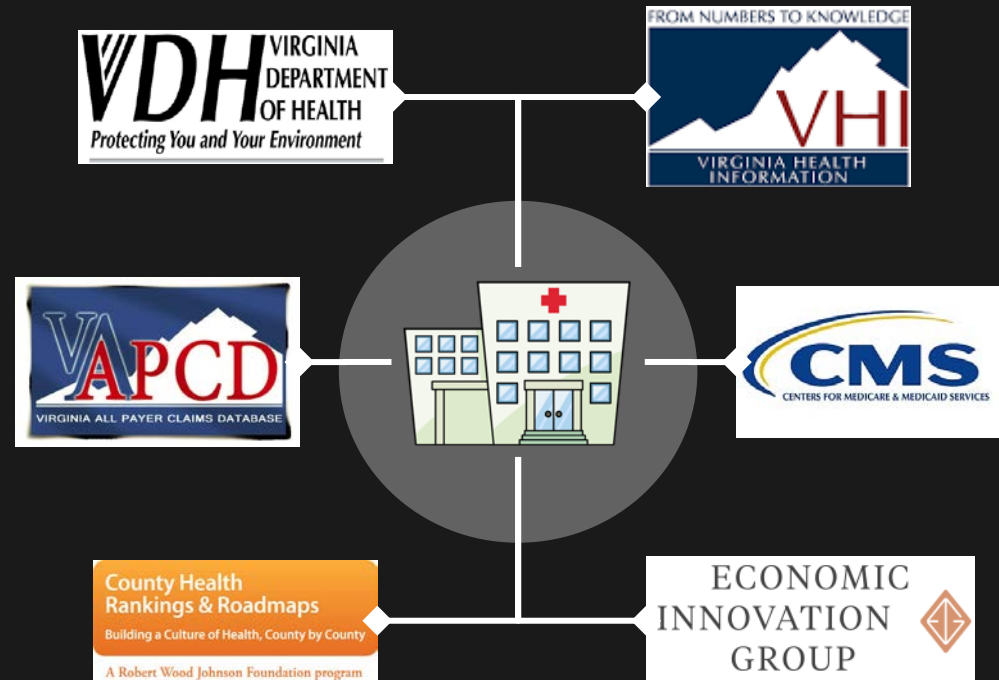
## 2. Research Corners

- Regular research publications on various topics and issues in healthcare

## 3. Grant RFPs

## 4. Cyber security

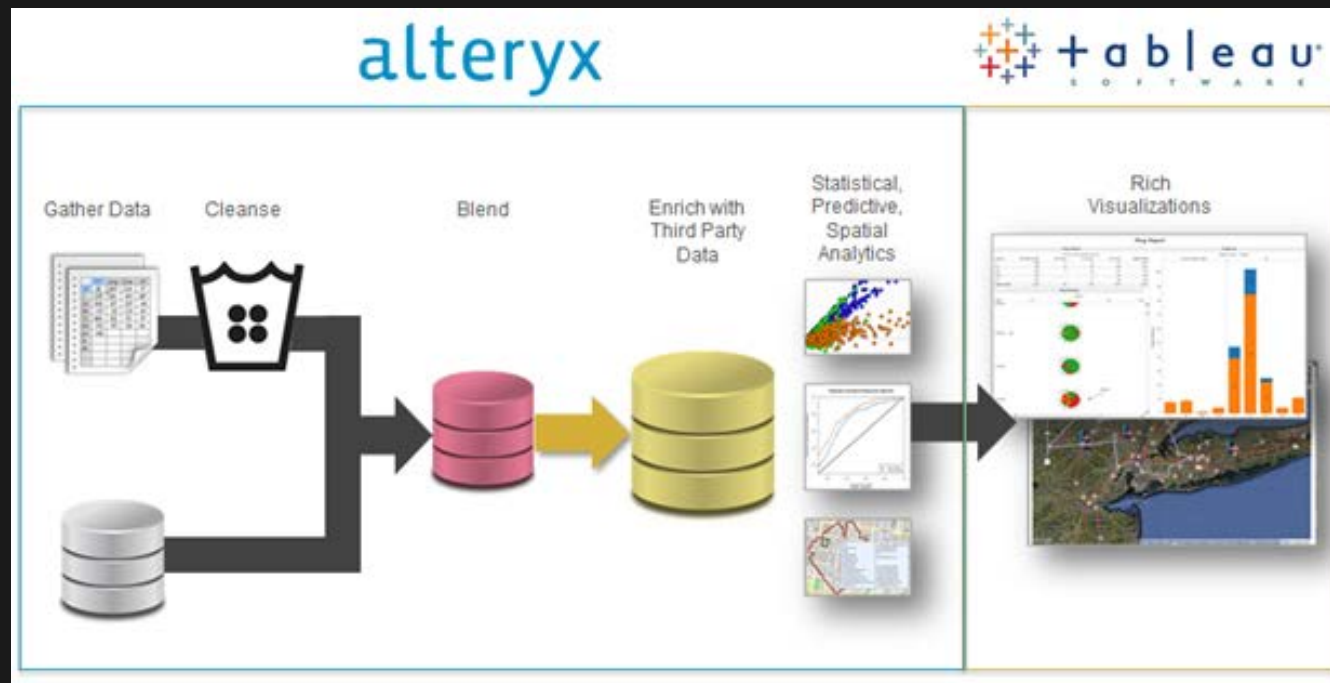
## 5. IT Support & More



## 1

# Business Intelligence Tools

- Alteryx and Tableau provide platforms for self-service analytics
- Alteryx is used in the back end to cleanse, prep, and blend unstructured data
- Tableau is used to build beautiful visualizations through interactive dashboards



## 2

# What is the Analytics Approach?

**VHHA Analytics**

### **VHHA Analytics**

A secure place where hospitals and health system staff can access, interact, download and share analyses

**VHHA Research & Development**

### **VHHA Research & Development**

VHHA staff programs, tests, and publishes guided and visual dashboards which aim to answer hospital challenges

**Data Marts & Database Administration**

### **Data Marts & Database Administration**

Hospital databases are merged with other databases in order to enhance our understanding of healthcare issues

**Member Hospital Collaborators**

### **Member Hospital Engagement**

The VHHA research teams engages with various hospital leaders to address challenges that could be solved with data

**Hospital & Patient Level Data**

### **Hospital & Patient Level Data**

The foundation of VHHA Analytics is composed of the statewide databases available in Virginia (IP & APCD)

### 3

## Questions Posed by Members

1. Where are my physicians seeing other patients?
2. Help me understand the readmitted patients in my facility. Where can I improve?
3. Who are the high utilizers in my Emergency Department? Are they regularly prescribed opioids?
4. What do I need to do to prevent a readmission penalty? What is my estimated penalty?

4

# VHHA Analytics Portal



Sign In →



4

# Answers Through Dashboards

