

# HealthShare Exchange: Supporting COVID-19 Response in the Delaware Valley

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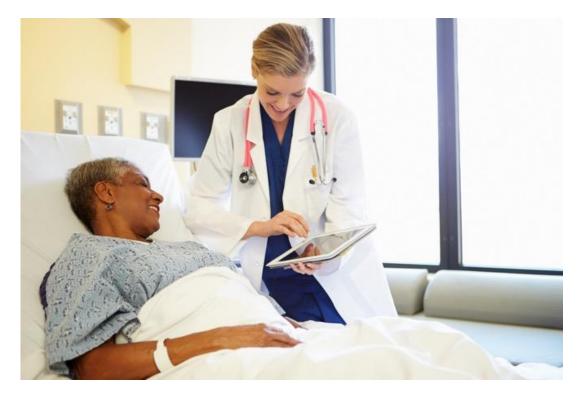
February 10, 2021



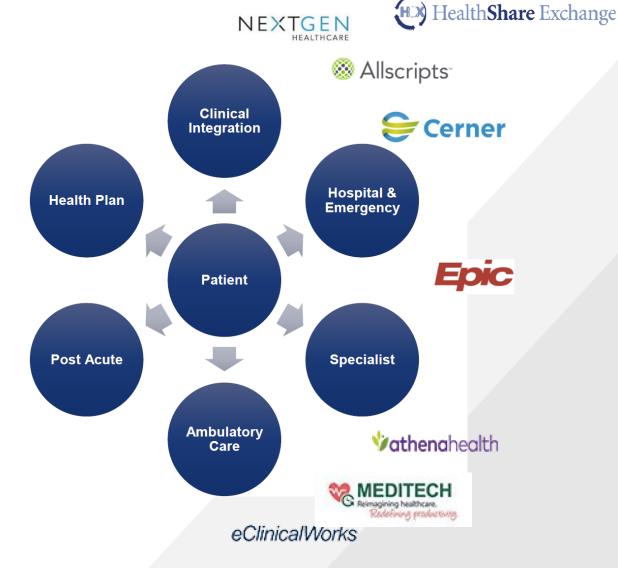




## **Connecting People**



HSX works collaboratively with the healthcare community to make patient records of different providers, EHRs, and health plans available electronically.

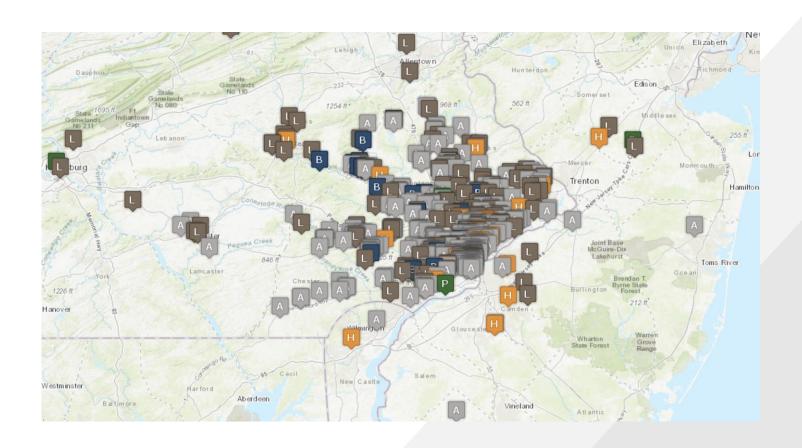






### **Our Network**

- 12 million+ patients in the HSX Clinical Data Repository
- 16,000+ physicians and other practitioners in the HSX Provider Directory
- 450+ participating organizations: hospitals, health plans, and other provider organizations







## **Population Health Case Studies**



Diabetes Prevention Collaboratives: Quality Improvement projects with ADA, Diabetes Prevention Programs with JCPH



Matching Seniors with Benefit Programs: identifying patients eligible for PACE, SNAP, LIHEAP, and others

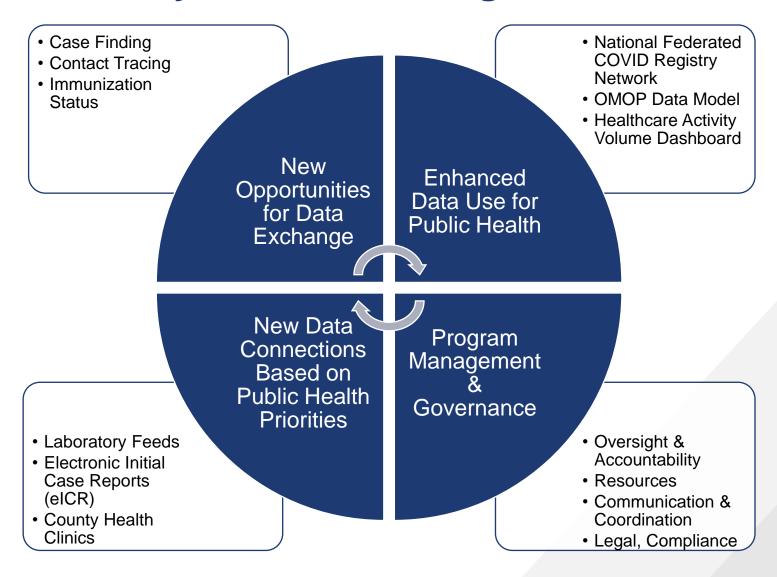


Delaware Valley COVID-19 Registry: gaining insight into COVID-19 impact, progression, treatment





# STAR HIE Program: Leveraging Health IT Strategies for Delaware Valley Public Health Agencies



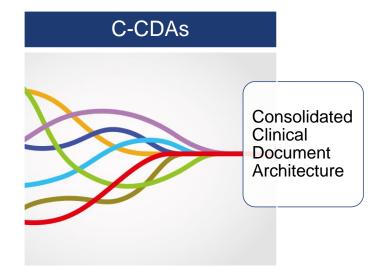




## **New Data Connections**







#### Others

**County Health Clinics** 

State Public Health Labs

**POC Test Results** 





## **New Data Connections**

Category	Organizations	Organizations
Electronic Lab Results (ELR)	Prospect/Crozer (participating) Trinity/St Mary's (participating) Abington/Aria (participating) Main Line Health (participating)	Tower Health/St. Chris (agreed) Holy Redeemer Einstein Medical Center Penn Medicine
Electronic Case Reports (eCR)	Temple (testing) Main Line Health (agreed) Jefferson Health (pending) Penn Medicine (pending)	CHOP Tower Health/St. Chris Einstein Medical Center
C-CDAs	ManorCare (live) Holy Redeemer (in QA) Tower Health (in QA) Penn Medicine (testing)	Prospect/Crozer (testing) Jefferson Northeast (Feb) ACTS Retirement Communities
Others	State Immunization Info Sys (SIIS) County Health Clinics POC Tests	State Public Health Labs Nursing Homes Prime Hospitals





#### **New Data Senders**

2021 State Grant – 153 new sites listed

Nursing Homes/LTC/SNF (41)

- Manor Care (14)
- Genesis (5)
- Other LTC (22)

CVS Minute Clinics (21)

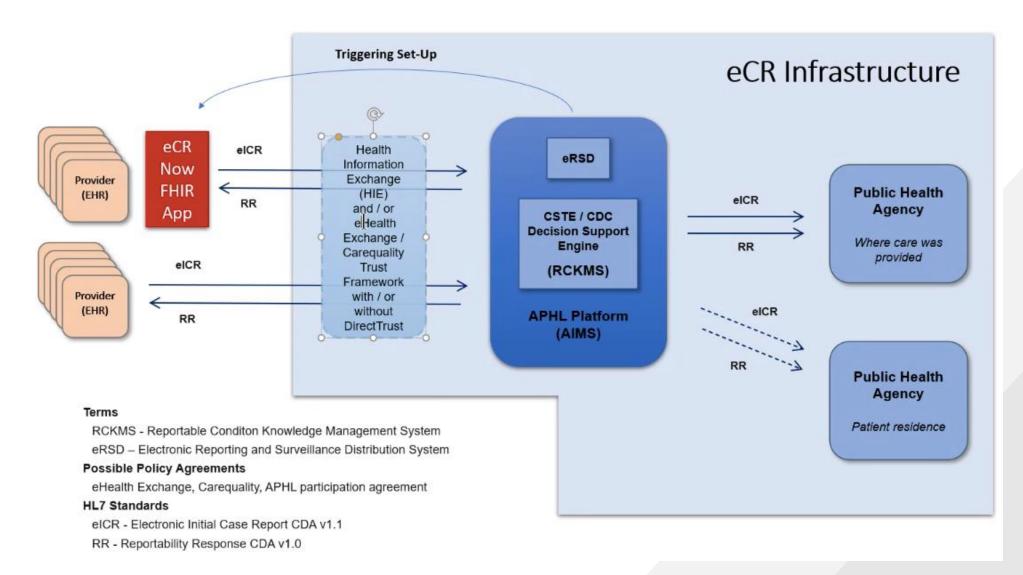
Bayada Home Health (12)

Maxim Home Health (6)

Merakey (11)



## **Electronic Case Reports (eCR)**



#### The Office of the National Coordinator for Health Information Technology



#### **Immunization Priorities**

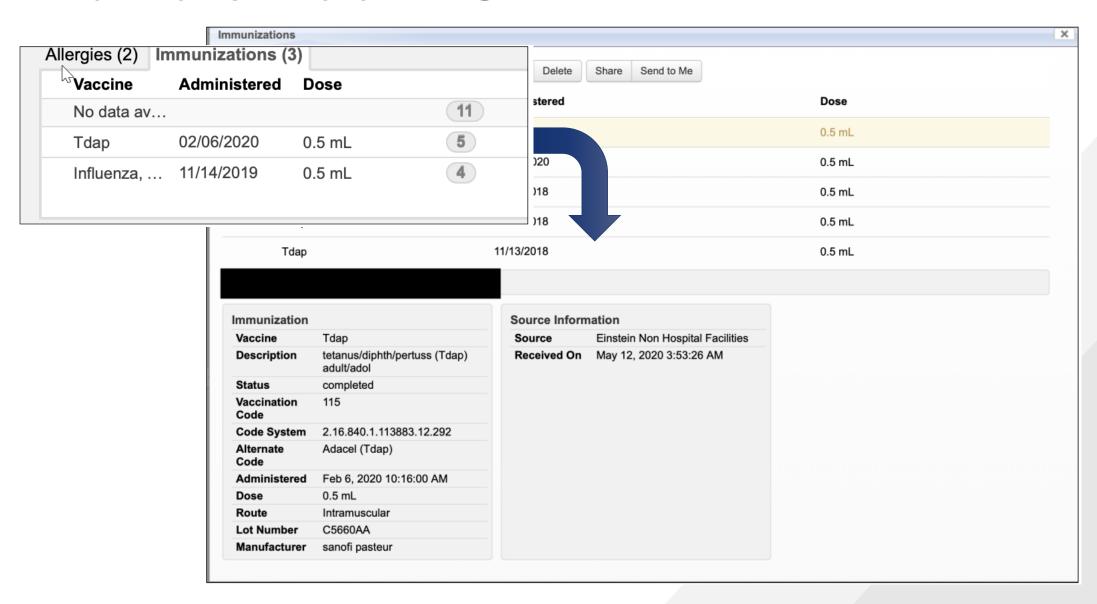
- Push vaccination status into provider EHRs
- Priority rosters for public health agencies
- Monitor vaccine-related adverse events
- Data for vaccine effectiveness
- Racial disparities in vaccine administration







### **Immunization Data in HSX**

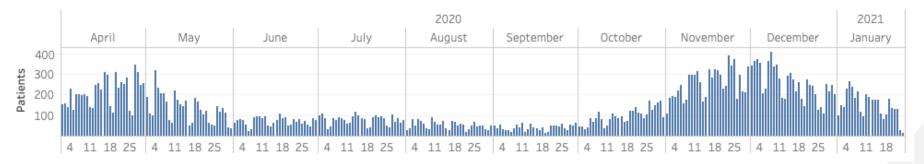






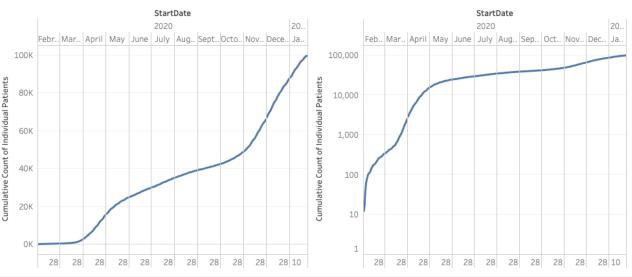
## **Surveillance Reports**

#### Unique Cases by Day of First Diagnosis





Cumulative COVID-19 Cases by Day of Initial Diagnosis (LOG Scale)



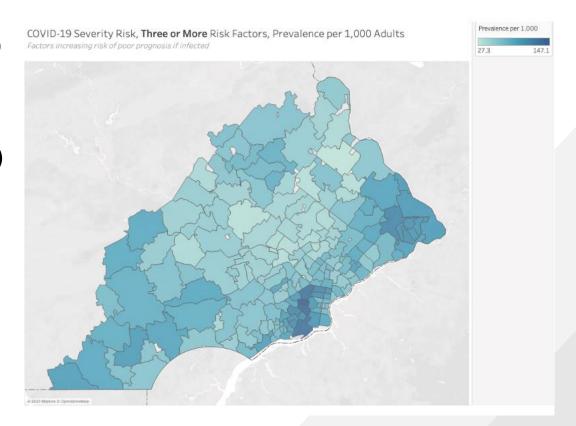




## **Surveillance Reports**

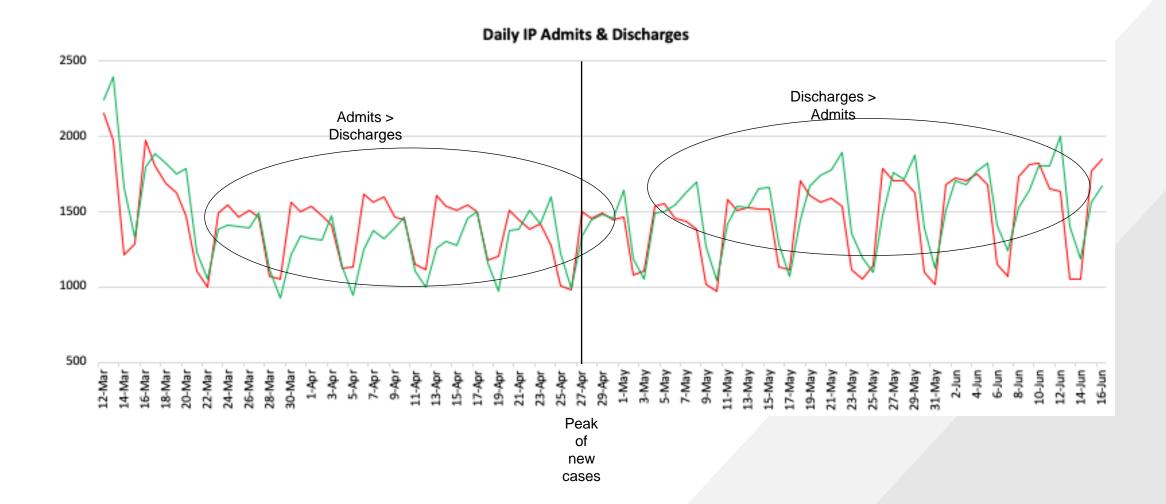
Based on 11,785 patients with COVID diagnoses, compared to patients with 0-2 risk factors, patients with 3+ risks:

- 2x risk of hospitalization (60 v 30%)
- 4x risk of mortality (11.9 v 2.7%)
- Higher mean LOS if hospitalized (5.2d v 4.8)
- All (p<0.05)





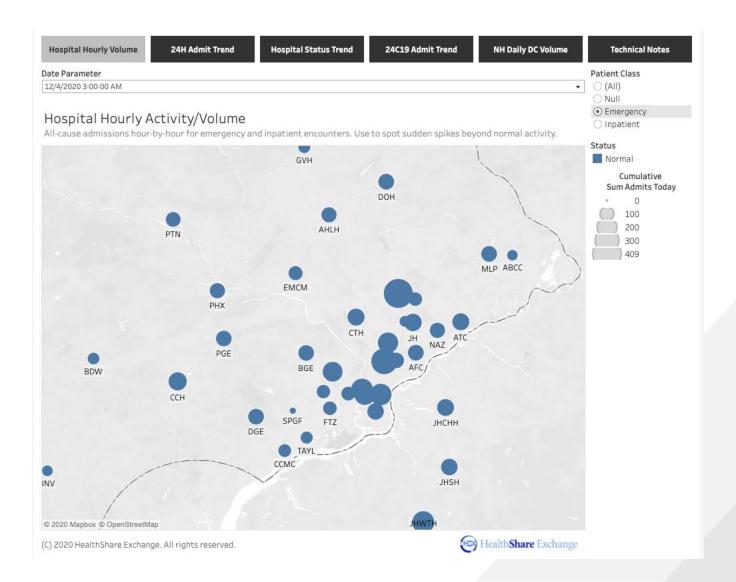
## **Surveillance Reports**







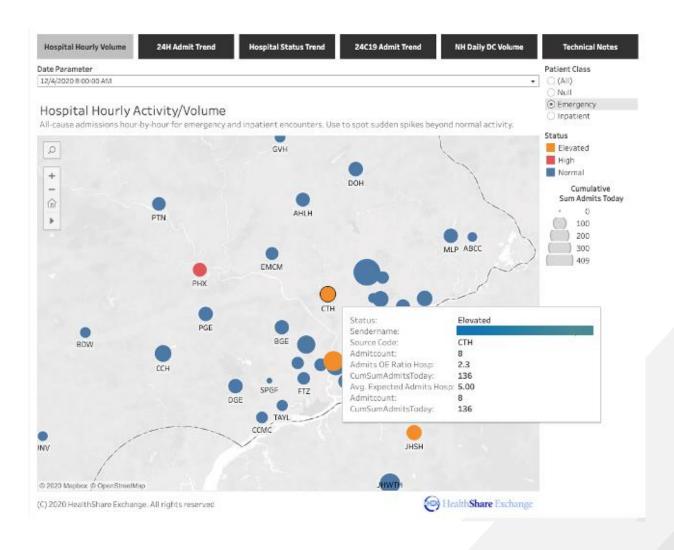
## **Provider Activity Dashboard**





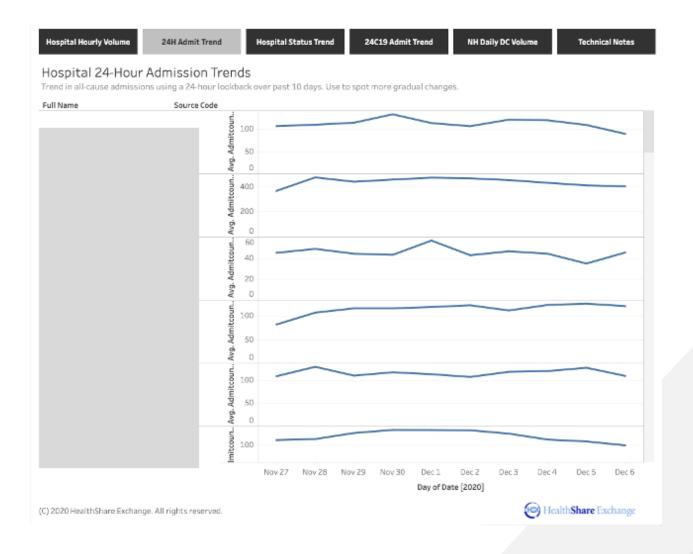


## **Provider Activity Dashboard**





## **Provider Activity Dashboard**







## Challenges

- Properly coded data, reliance on vendors
- Delays in coded diagnoses
- Expanding public health access under HIPAA
- Tracking nursing home and other congregate living residents (USCDI)
- Non-traditional sites for testing, vaccination
- Priority for integration with IISs
- Persisting data from eCR





### **Contact Us**

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# **Thank You!**