



FAIRFAX COUNTY HEALTH DEPARTMENT

# Fairfax County Health Department

TEFCA for Public Health

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Public Health Informatics and IT Director

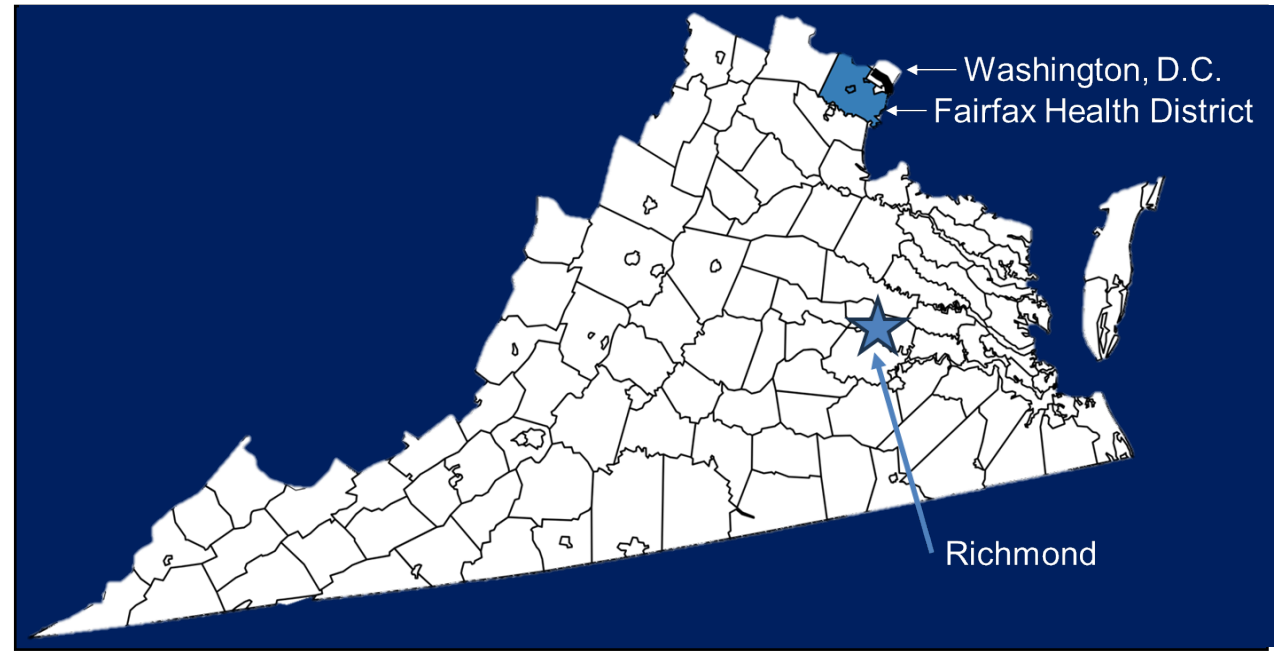
**Ben Klekamp**

Epidemiology Manager



# Fairfax Health District

- 1.2 million population
- Largest local health department in Virginia
- Locally administered
- Only local public health laboratory in Virginia
- Provides full school health services to Fairfax County Public Schools
- Separate IT infrastructure from Virginia Department of Health



# Background – Prior to TEFCA



NO ACCESS TO  
HEALTH INFORMATION EXCHANGE (HIE)



LIMITED ELECTRONIC HEALTH RECORD  
(EHR) PORTAL ACCESS – TWO HOSPITALS



OPPORTUNITIES FOR IMPROVEMENT



# Why Early Adoption?

Access to more data and health entities (*e.g., EHR, lab, pharmacy etc.*)

Efficiency across the agency

Health Department Strategic Plan

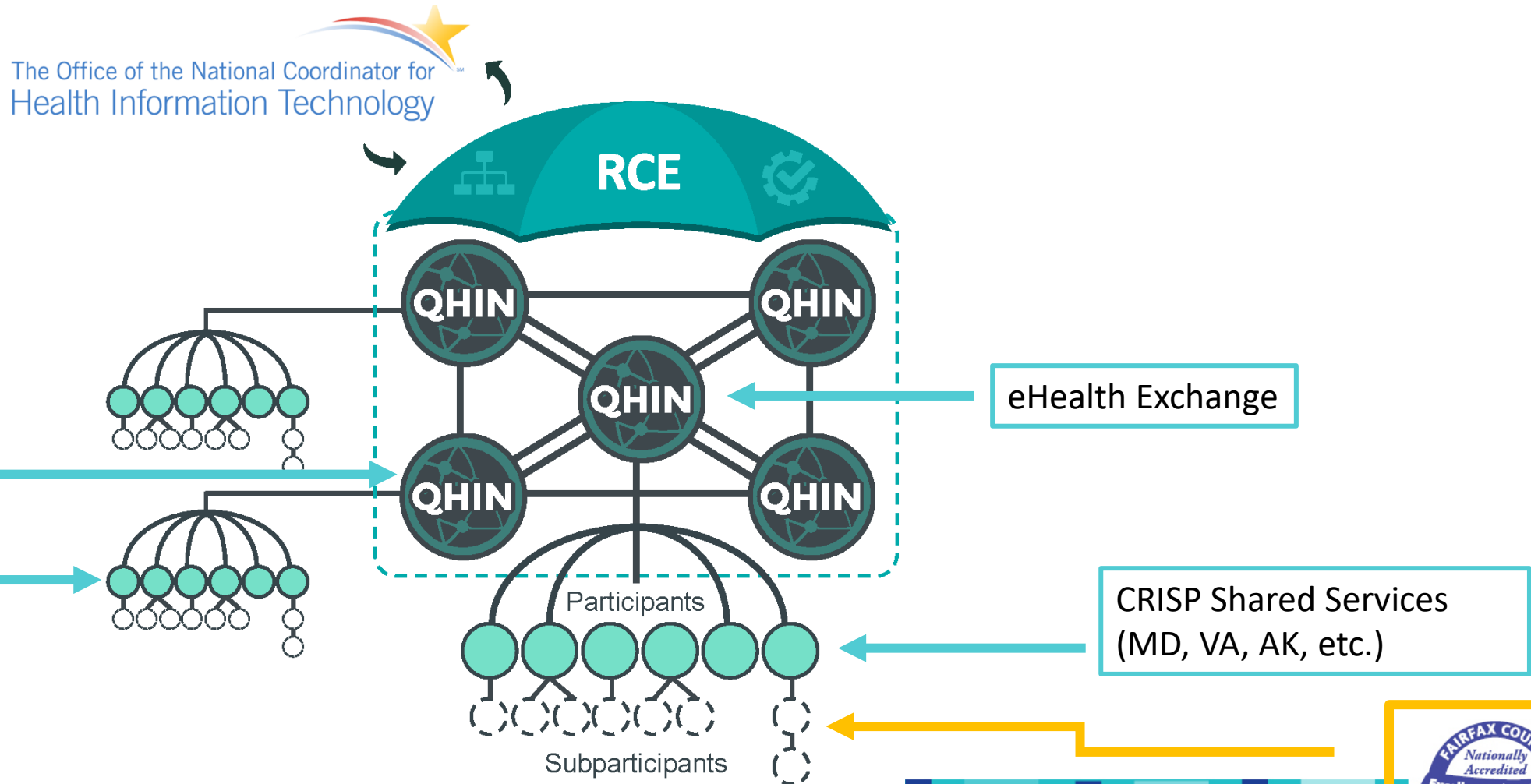
Health Department Leadership Support

Advances agency's modernization goals

Continue our role and partnership in public health innovation



# Fairfax's Connection to TEFCA



# Sprint to July 1



## Review / Sign Legal Agreements

Relationship & Prepping Legal Office  
VHI / HIE / CSS Agreements  
TEFCA Common Agreement



## Establish Portal Access to HIE

Public Health Use Cases  
Reportable Disease Query/Response



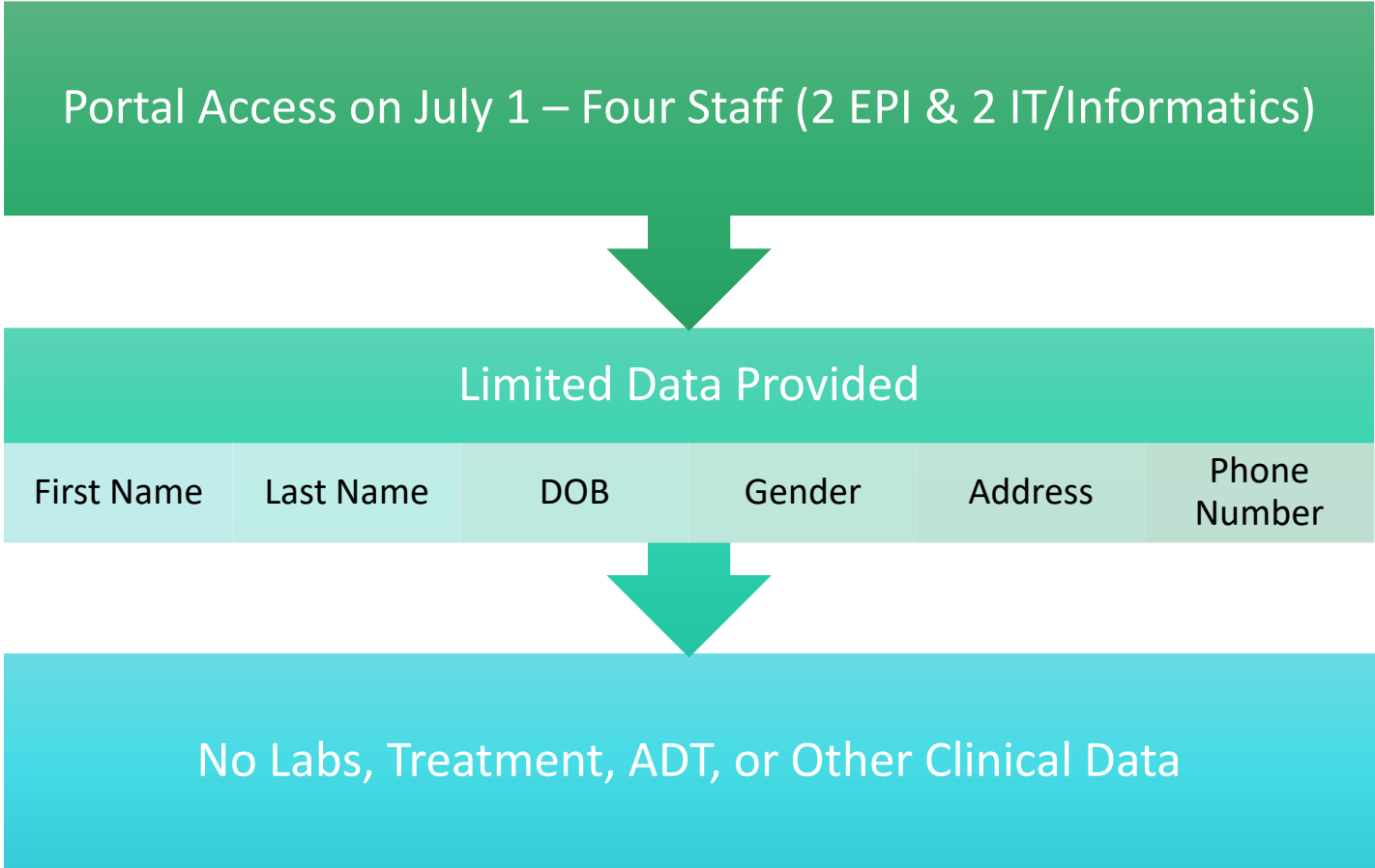
# Success!



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# What did we find in the portal?





# Evaluation of Portal Facility Coverage



## Objective

- Assess if we can identify persons recently reported as having a reportable disease in portal.



## Inclusion Criteria

- Positive gonorrhea labs from high volume / key (care for vulnerable populations) healthcare facilities reported via electronic laboratory report to VEDSS (Virginia's NEDSS-based System) among Fairfax Health District residents from January to June 2024.



# Evaluation Results

- 100 labs were queried in the portal from July 1 to July 9
  - 91 (91%) persons tested were found
    - Among persons found, 23% of addresses in the portal did not match the ELR address

	Total Labs Reviewed	Persons Found	Addressed Matched
<b>Total</b>	100	91	70
<b>Virginia Facilities</b>	41	32	16
INOVA	22	17	7
Alexandria	6	5	1
Fairfax	7	6	3
FairOaks	9	6	3
Kaiser	2	2	2
Burke	1	1	1
Tysons	1	1	1
HCA	10	7	3
Reston	9	6	2
Stone Springs	1	1	1
Virginia Hospital Center	7	6	4
<b>DC Facilities</b>	21	21	19
Whitman-Walker Clinic	21	21	19
<b>Virginia &amp; DC</b>	38	38	35
Medstar Urgent Cares	38	38	35



# Evaluation Summary

Portal was easy to use – no training needed

Found high proportion of cases, including in other states

Concerns of lack of data and quality

Current data elements available do not provide value added



# Next Steps



IMPROVING PUBLIC  
HEALTH RESPONSES



CONTINUE EXPLORING  
STLT USE CASES



SYSTEM CAPABILITIES



Thank you!



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