

# Data Integration and Improving HIV Outcomes

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# Disclosures

Presenter has no financial interest to disclose.

# Learning Objectives

At the conclusion of this activity, the participant will be able to:

1. Understand how the HIV Care Continuum is a tool for examining data and care issues
2. Understand how Virginia has merged information across systems and funding streams to improve health outcomes for PLWH

# Data Collaboration Across Work Units

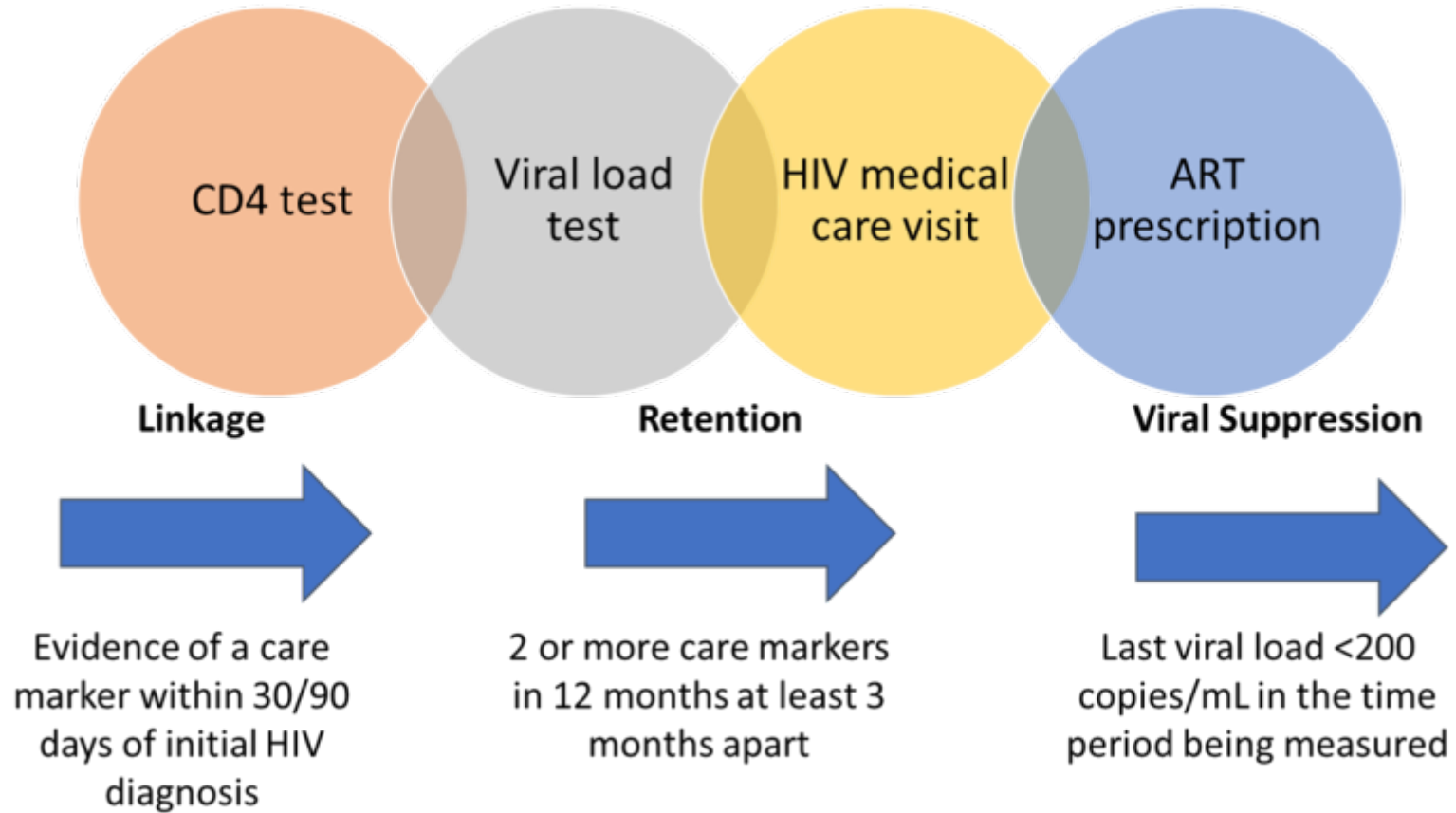
- HIV Care
- HIV Prevention
- HIV Surveillance
- STD Surveillance, Operations, and Data Administration
- TB

# Initiatives

- SPNS Systems Linkages (2011-2016)
- Care and Prevention in the United States (2012-2016)
- Black Box, with MD and DC, led by Georgetown (2014-now)
- SPNS Health Information Technology (2014-2017)

# The HIV Continuum of Care

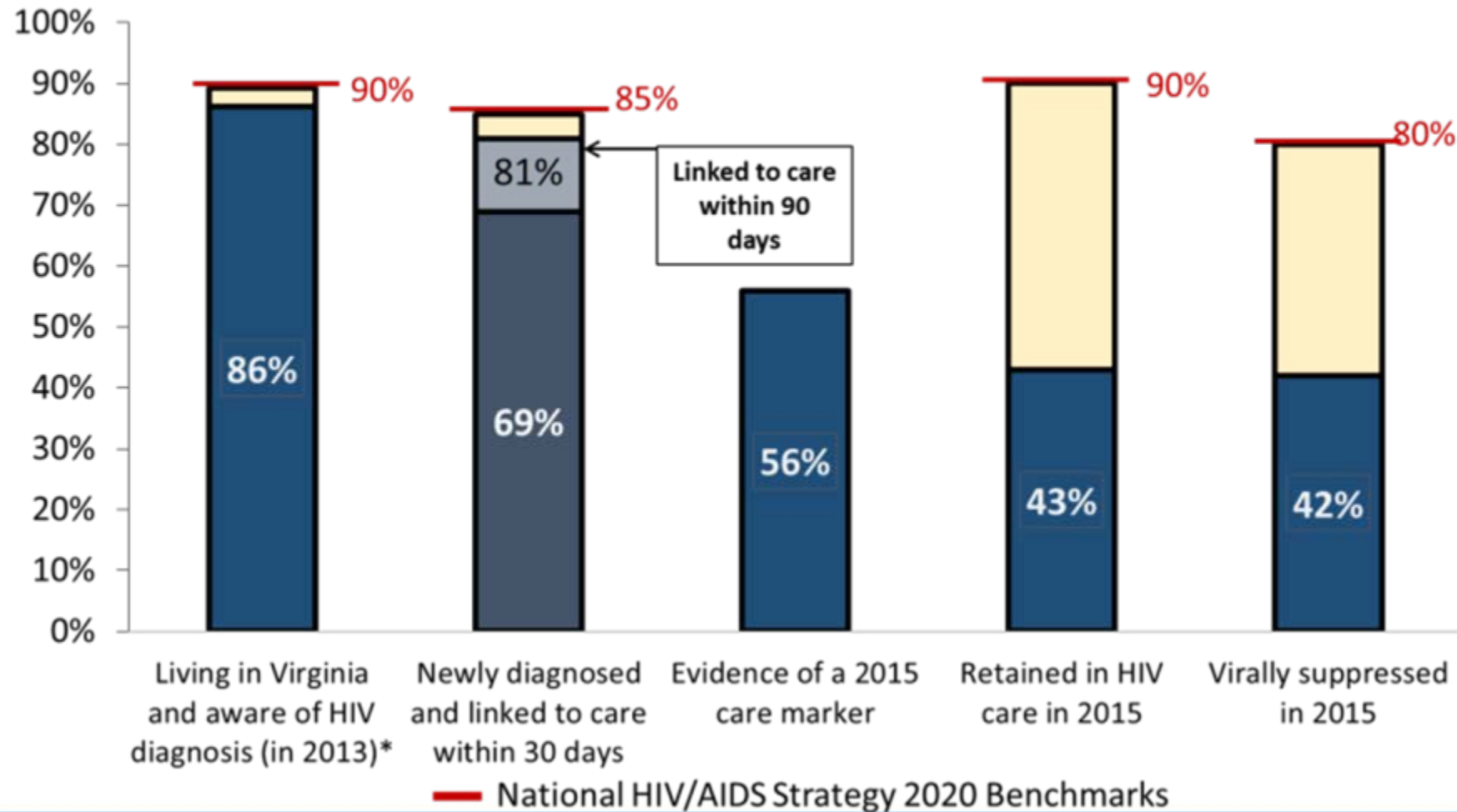
*What's considered a care marker?*



# Care Markers Database: Sources

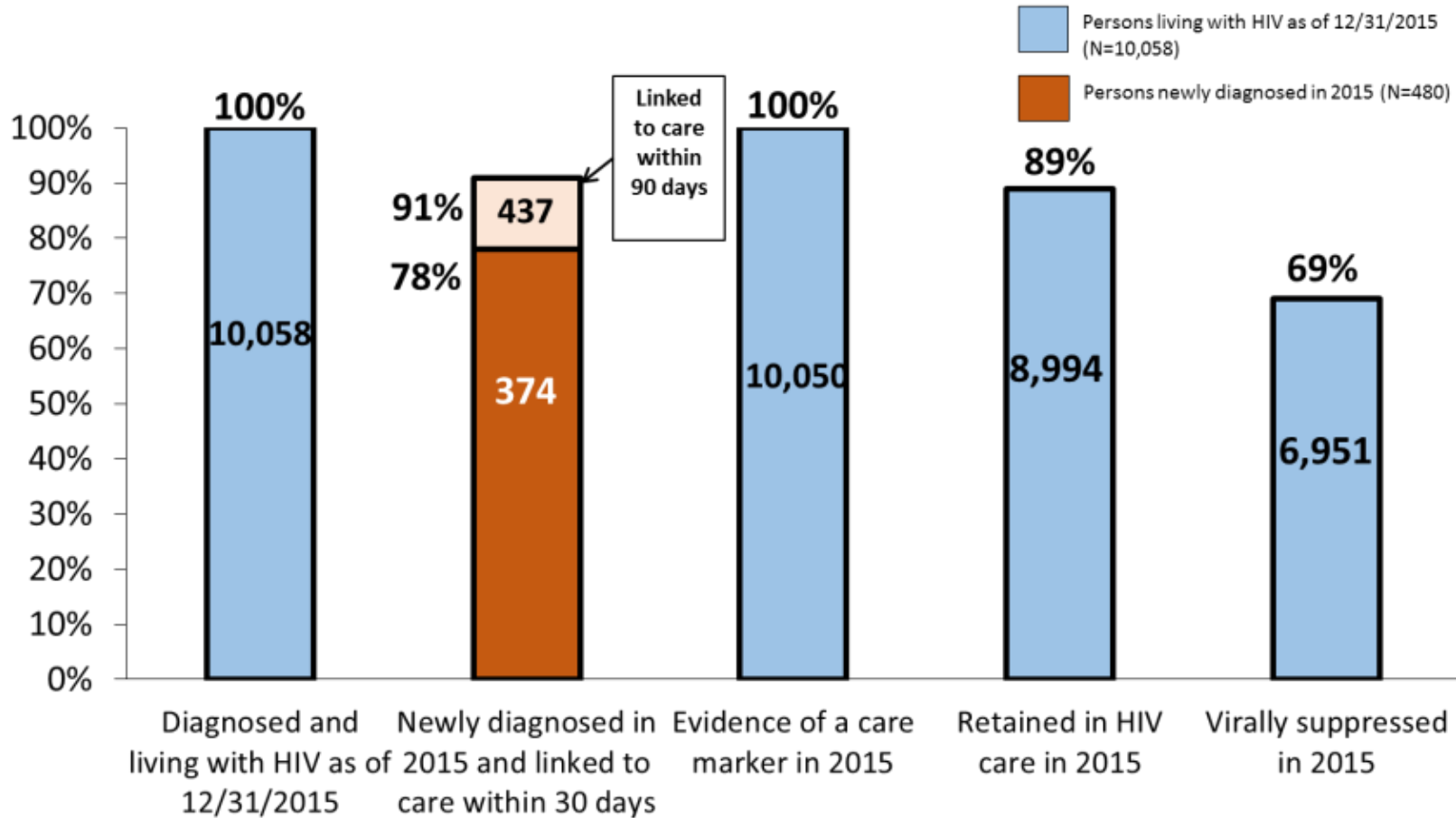
- eHARS
- HIV Care
- ADAP
- HIV Testing
- Medical Monitoring Project
- STD\*MIS
- Medicaid
- Accurint

# HIV Continuum of Care in Virginia: NHAS Goals





# Ryan White HIV Continuum 2015



# Black Box: Real Time HIV Surveillance

- Pilot project from Georgetown, funded by NIH
- Involved DC, MD, and VA Departments of Health
- Utilized privacy technology for sharing surveillance data among jurisdictions

# Black Box Results

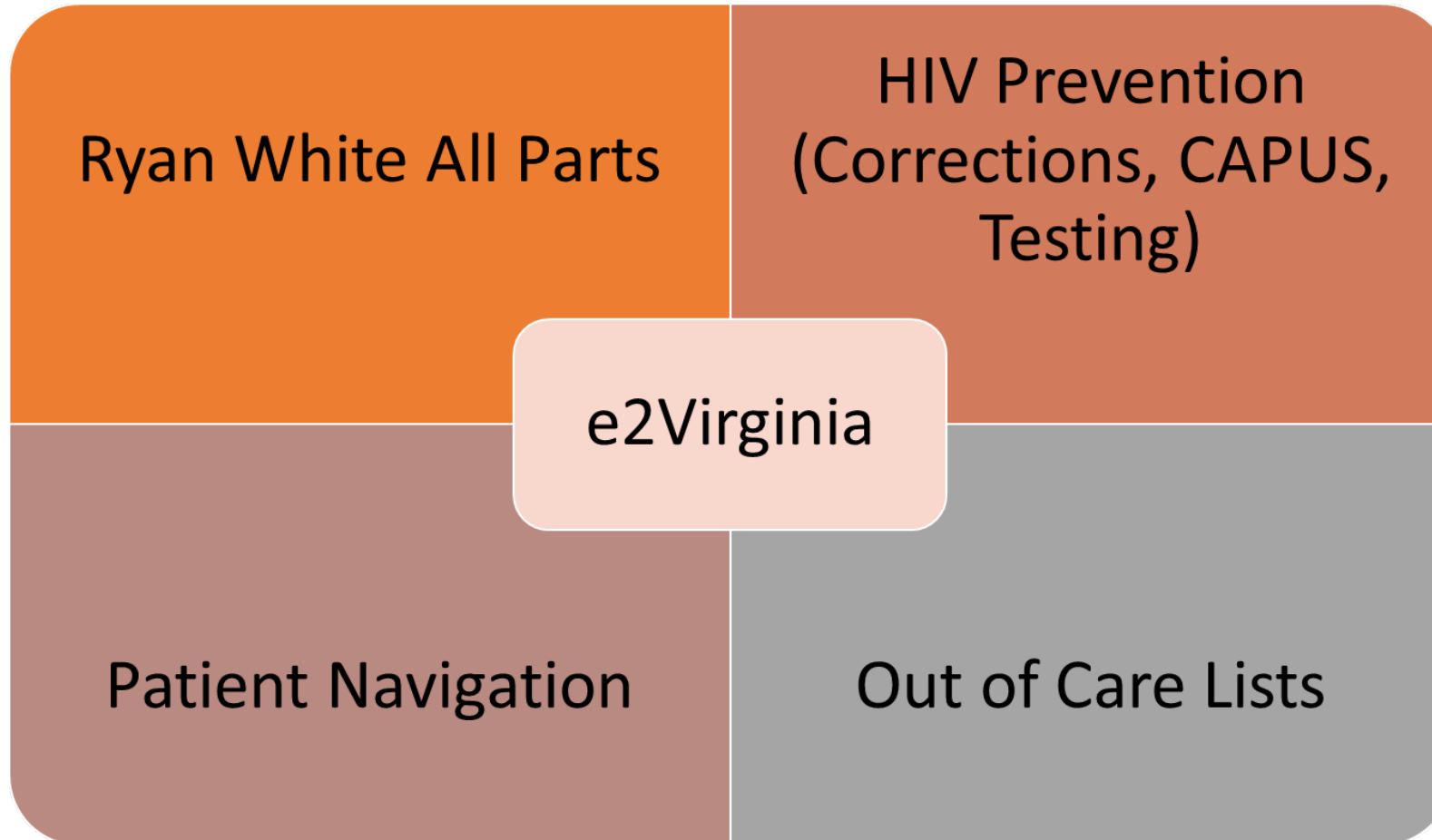
Output of person-matching across DC, MD, and VA eHARS databases:

Person matches across jurisdictions:	Exact	Very High	High	Medium High	Medium	Very Low	Total
DC-MD*	4013	5907	53	268	645	482	11 368
MD-VA*	856	2343	11	117	377	865	4569
VA-DC*	1064	3340	15	149	438	529	5535
<b>Total</b>	<b>5933</b>	<b>11 590</b>	79	534	1460	1876	21 472

\*Bidirectional reporting results (i.e., DC-reported MD matches were equal to MD-reported DC-matches; etc.)

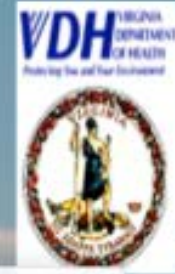
**82% of persons have vital clinical and surveillance data across jurisdictions**

# e2Virginia



# e2Virginia

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# e2Virginia: Data Sharing

Client Search   Create New Client   Providers   Data Sharing   Data Import   Contracts   Welcome, Demo Provider, of ABCD Healthcare!

**for Test Test**

- Cross-Provider Services
- Cross-Provider Clinical Info

[Request These Permissions](#)

File   Message

Ignore   **Delete**   Reply   Reply All   Forward   Meeting   More -

Read   To Manager   Rules -

Junk -   Team E-mail   Done   OneNote

Reply & Delete   Create New   Move -   Actions

Delete   Respond   Quick Steps   Move

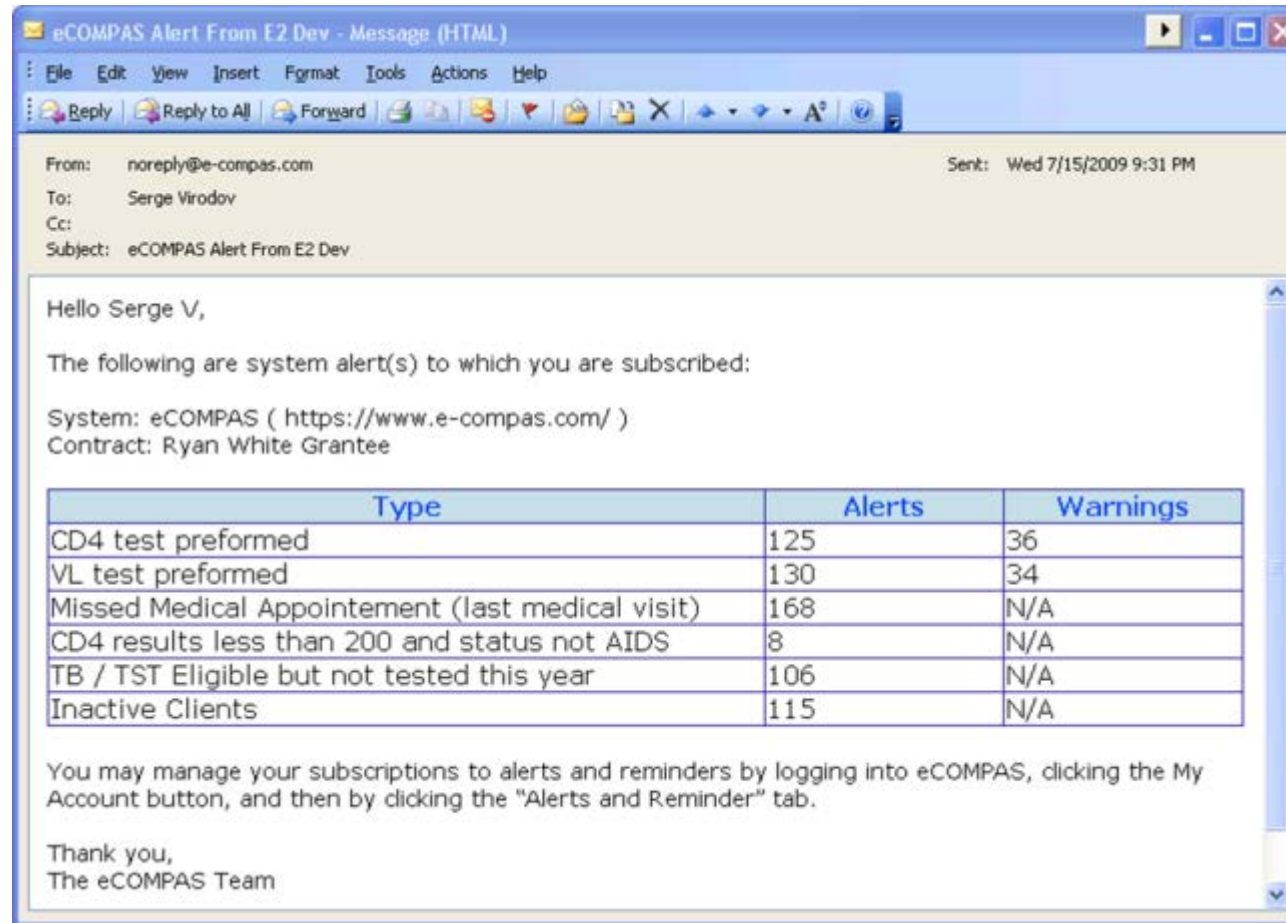
From: dev@rdesystems.com  
To: va@e-compas.com  
Cc:  
Subject: e2VirginiaDemo: Data Sharing Request

**You have a new data sharing request from ABCD Healthcare.**

Please log in to <https://demo.rde.org/e2virginia/> to grant or deny this request.

Thanks,  
the *e2Virginia* team.

# e2Virginia: Email Alerts



eCOMPAS Alert From E2 Dev - Message (HTML)

From: noreply@e-compas.com Sent: Wed 7/15/2009 9:31 PM  
To: Serge Virodov  
Cc:  
Subject: eCOMPAS Alert From E2 Dev

Hello Serge V,

The following are system alert(s) to which you are subscribed:

System: eCOMPAS ( <https://www.e-compas.com/> )  
Contract: Ryan White Grantee

Type	Alerts	Warnings
CD4 test preformed	125	36
VL test preformed	130	34
Missed Medical Appointment (last medical visit)	168	N/A
CD4 results less than 200 and status not AIDS	8	N/A
TB / TST Eligible but not tested this year	106	N/A
Inactive Clients	115	N/A

You may manage your subscriptions to alerts and reminders by logging into eCOMPAS, clicking the My Account button, and then by clicking the "Alerts and Reminder" tab.

Thank you,  
The eCOMPAS Team

# Future Directions

- Update HIV Surveillance Data
- Expand e2Virginia
- Public Health Authority for Medical Sites
- Data to Care Linkage Coordinator



# Future Directions

- Improve processes based on stakeholder feedback
- Collaborate with other States/Jurisdictions
- All of these will improve health outcomes for PLWH

# Acknowledgements

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