

Virginia's Care Marker Database: Using Multiple Data Sources for HIV Care Linkage and Re-Engagement

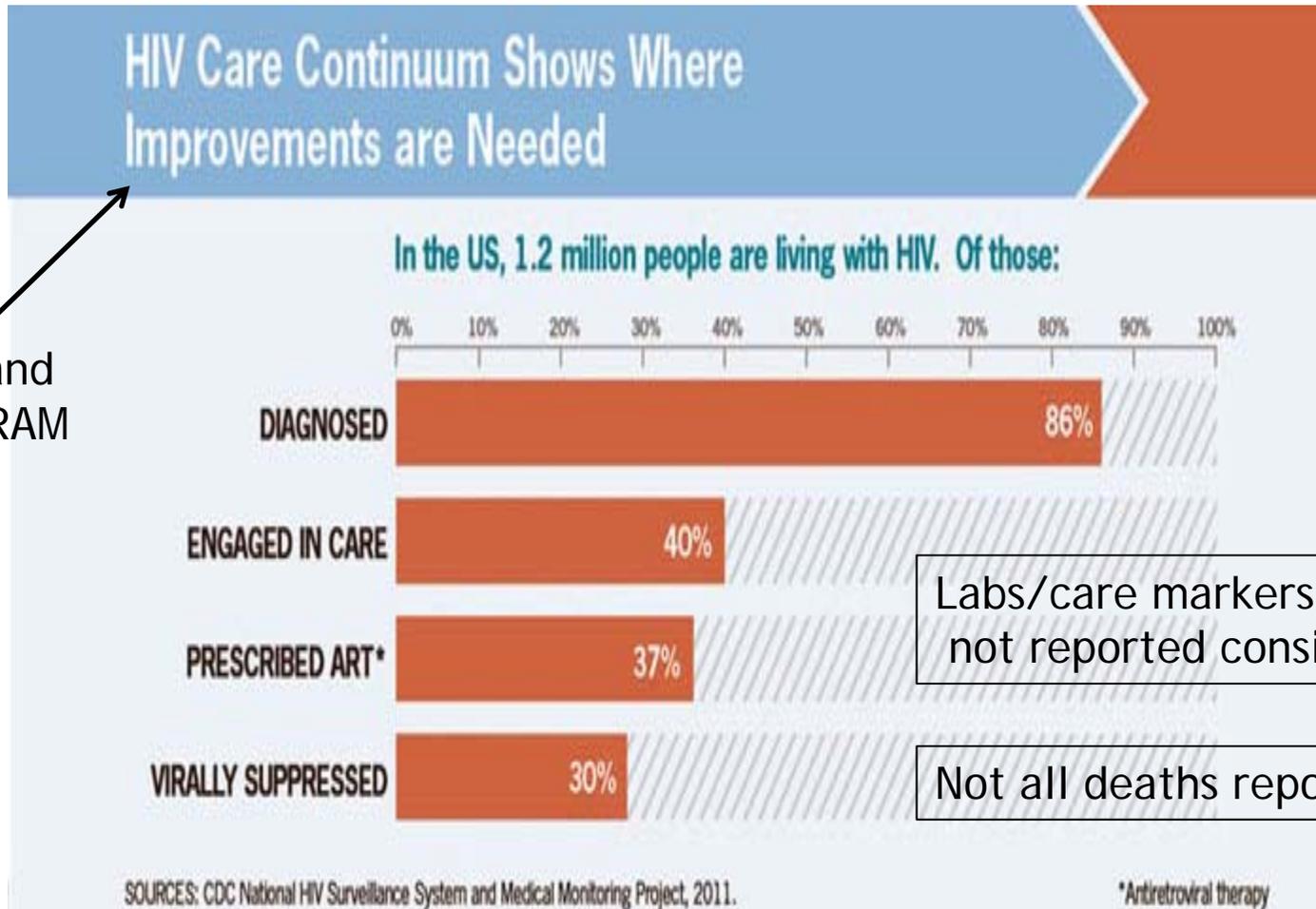
VIRGINIA DEPARTMENT OF HEALTH Division of Disease Prevention

Anne Rhodes, PhD
Director, HIV Surveillance

Overview

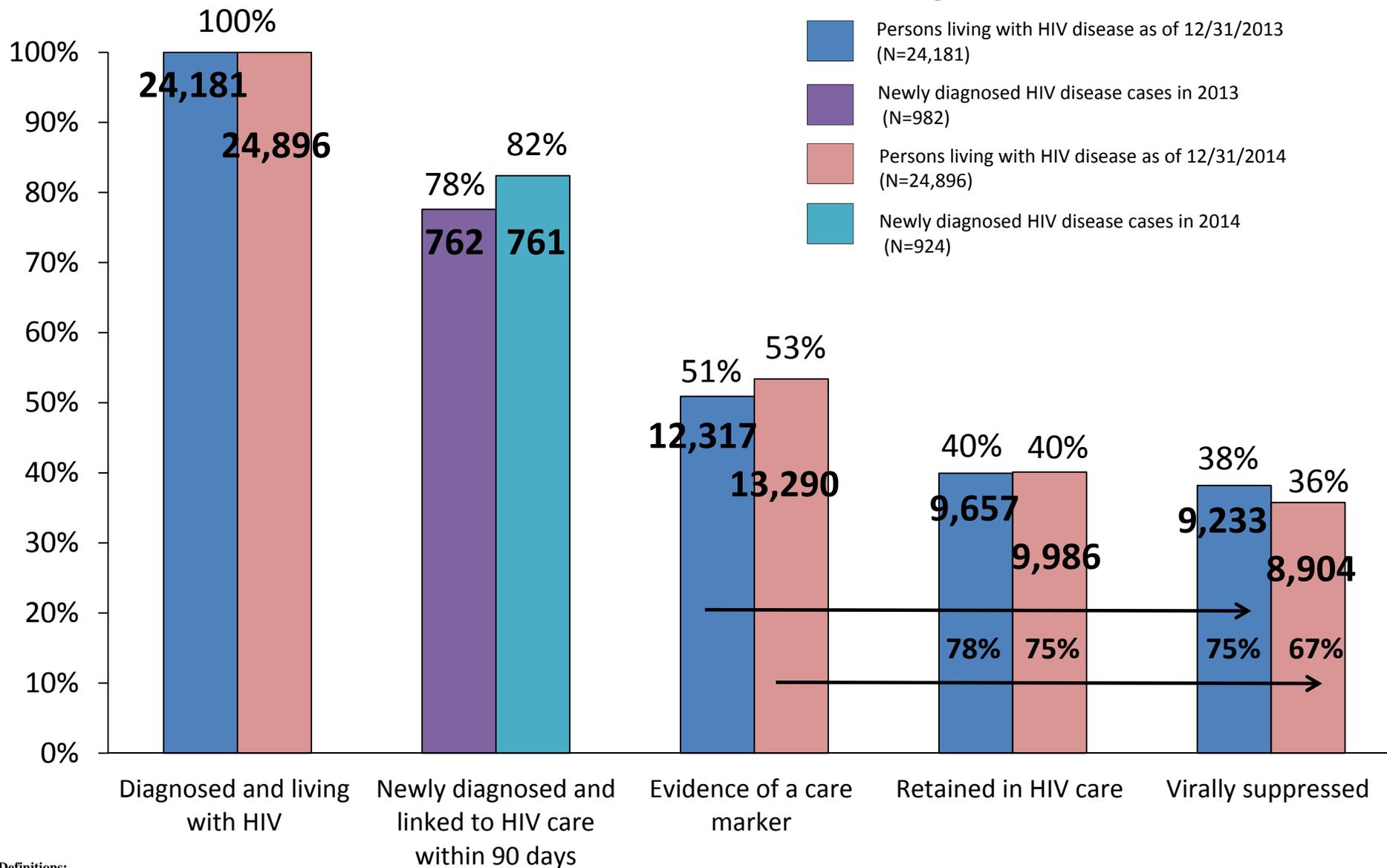
- Improving Care Continuum Data
- Integrated HIV Care/Prevention Data System
- Data to Care Efforts/Pilot Results
- Evaluating Interventions with Care Continuum Data
- Next Steps

National HIV Care Continuum



DATA and PROGRAM

HIV Continuum of Care in Virginia

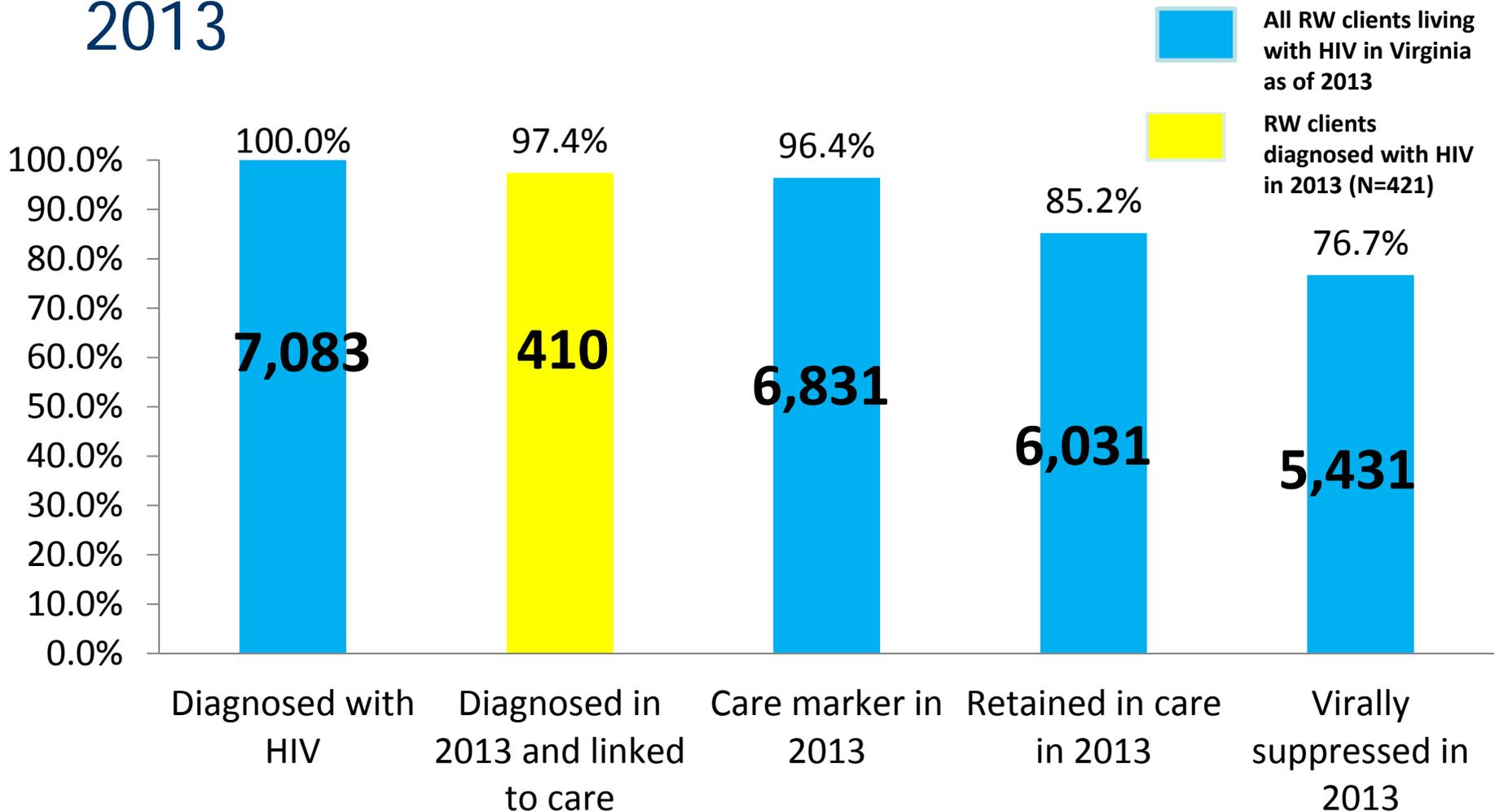


Definitions:

Newly diagnosed and linked to HIV care within 90 days: Diagnosed with HIV disease in calendar year (CY) 2013 or 2014 and first care marker (CD4 or viral load test, HIV medical care visit, or antiretroviral (ART) prescription) post-diagnosis was within 90 days; *Evidence of a care marker in 2013/2014:* Evidence of at least one care marker in CY 2013 or 2014; *Retained in HIV care in 2013/2014:* Having at least two or more care markers in CY 2013 or 2014 at least 3 months apart; *Virally suppressed in 2013/2014:* Last viral load taken in CY 2013 or 2014 was <200 copies/mL

Data: Current as of October 2015; Accessed November 2015; Care Markers Database, HIV Surveillance, Division of Disease Prevention, Virginia Department of Health; 2014 data may be incomplete due to reporting delays.

Continuum of Care for Ryan White Clients, 2013



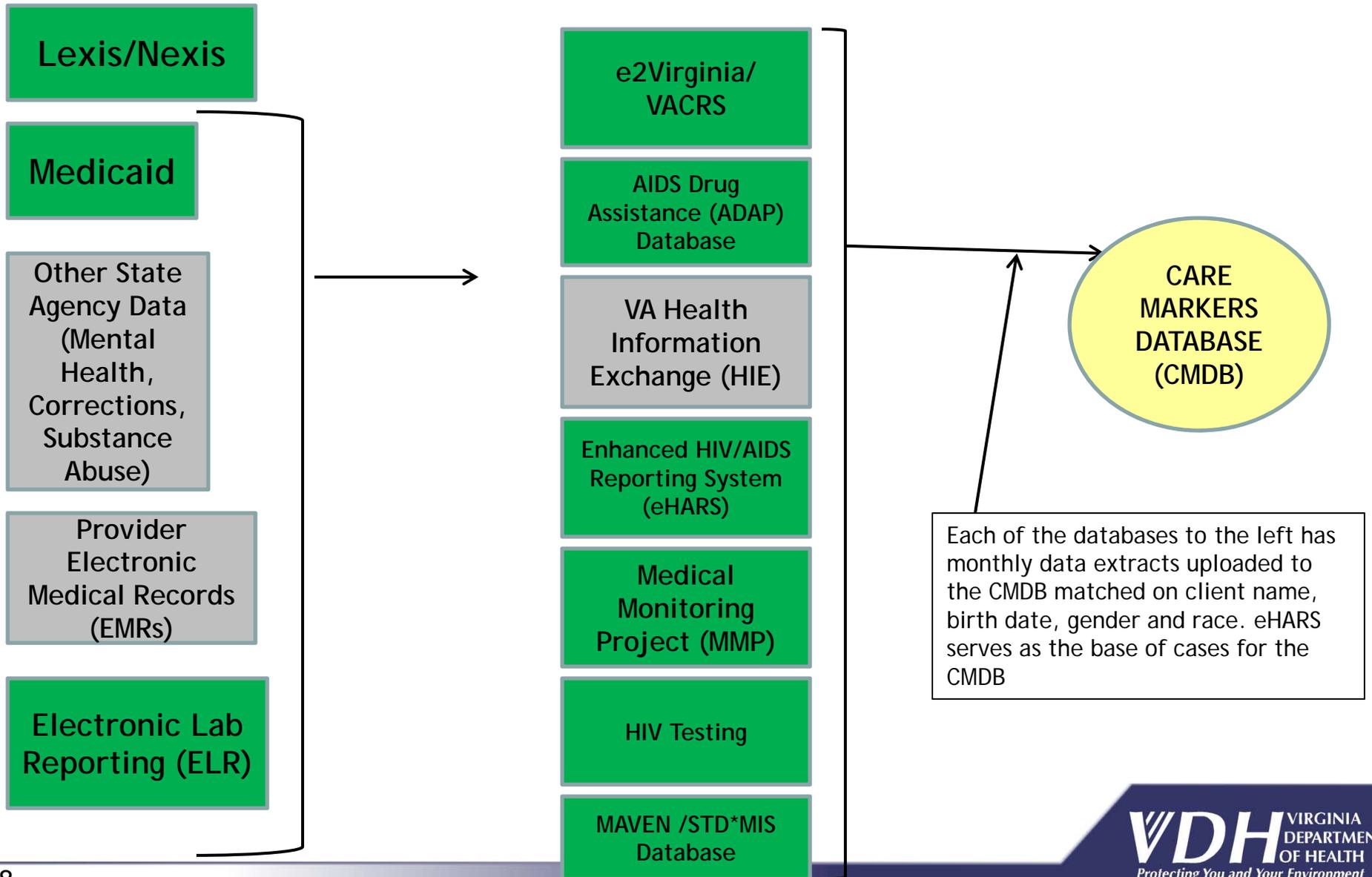
Black Box: Real Time HIV Surveillance

- Pilot project from Georgetown, funded by NIH
- Involved DC, MD, and VA Departments of Health
- Utilized privacy technology for sharing surveillance data among jurisdictions where an algorithm for matching was set up in the “black box” and returned matches of varying strengths (Exact to Very Low) to each jurisdiction

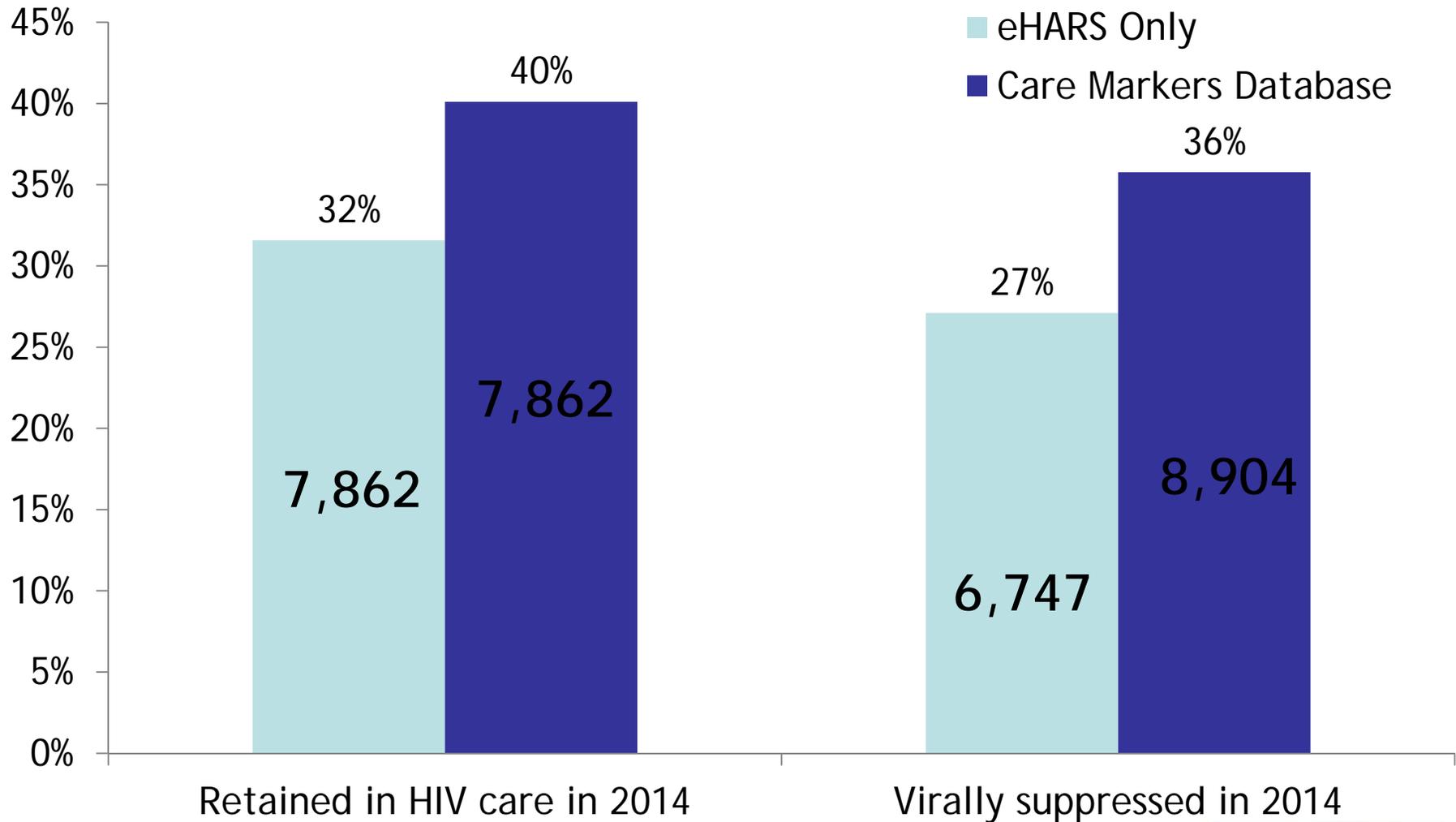
Black Box Results

Person matches across jurisdictions:	Exact	Very High	High	Medium High	Medium	Very Low	Total
DC-MD*	4,013	5,907	53	268	645	482	11,368
MD-VA*	856	2,343	11	117	377	865	4,569
VA-DC*	1,064	3,340	15	149	438	529	5,535
Total	5,933	11,590	79	534	1,460	1,876	21,472

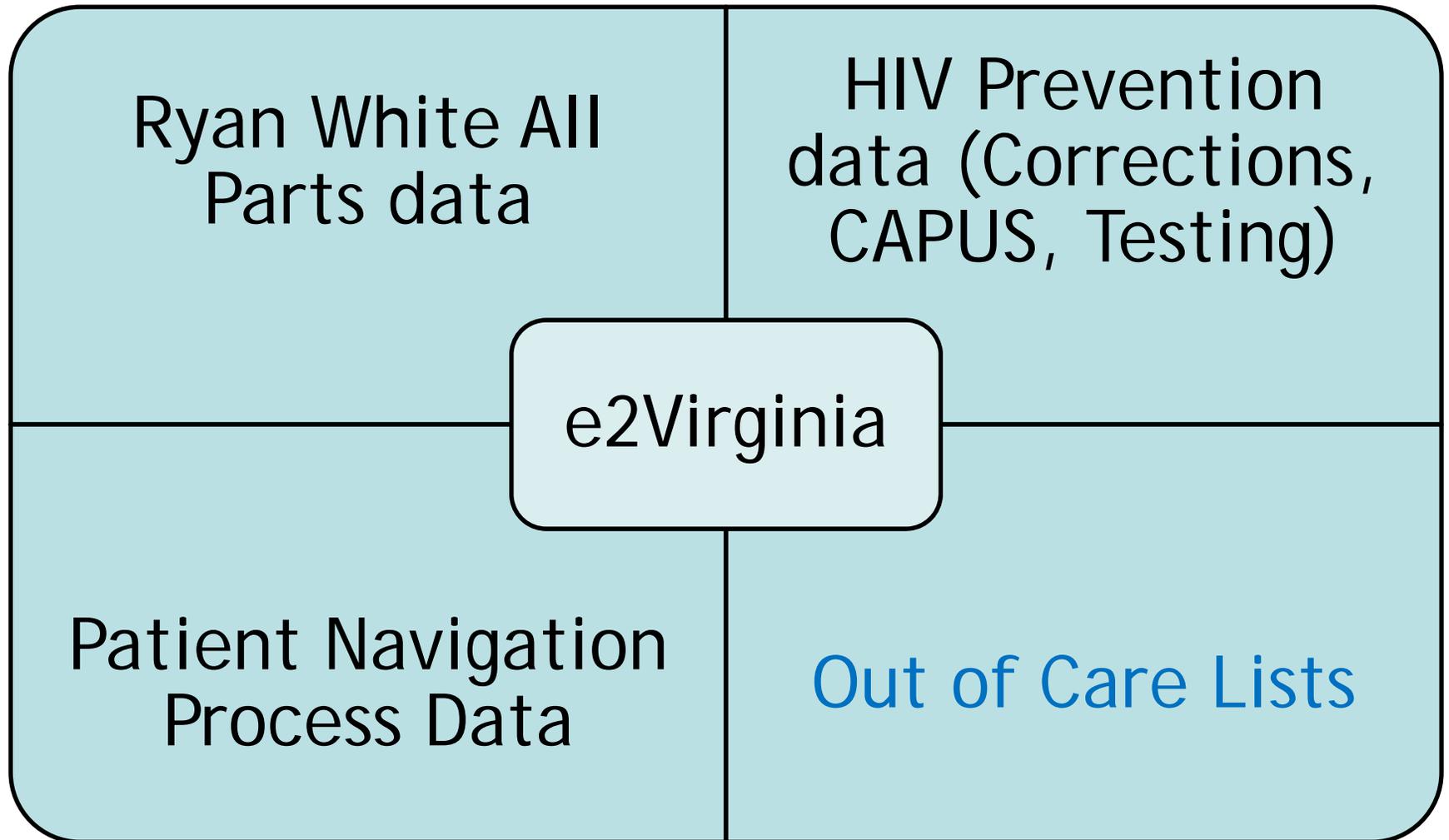
Care Markers Database



HIV Care Continuum Indicators: eHARS Only vs. Care Markers Database (CMDDB)

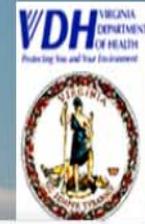


e2Virginia



e2Virginia

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for Test Test

- Cross-Provider Services
- Cross-Provider Clinical Info

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The screenshot shows an email client interface with a ribbon at the top containing 'File' and 'Message' tabs. The 'Message' tab is active, displaying various actions like Ignore, Delete, Reply, Reply All, Forward, Meeting, More, Read, Team E-mail, Reply & Delete, To Manager, Done, Create New, Rules, OneNote, and Actions. Below the ribbon, the email header shows: From: dev@rdesystems.com, To: va@e-compas.com, Cc: (empty), Subject: e2VirginiaDemo: Data Sharing Request. The main body of the email contains the following text:

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.

Agency Alerts

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Summary of Current Alerts

Click on each alert for details.

Type	Upcoming Alerts	Past-Due Alerts	Recommendation
CD4 test not performed within past three months [?]	0	160	Consider scheduling or following-up to conduct CD4 test
VL test not performed within [?] past three months	0	164	Consider scheduling or following-up to conduct a VL test
No medical appointment in the past three months [?]	N/A	168	Consider scheduling or following-up to ensure medical appointment
CD4 results less than 200 [?] but status has not changed to AIDS	N/A	7	Review records and ensure the HIV Status is correct. It may need to be changed to AIDS.
No TB/TST conducted within [?] 12 months of the last TB/TST	N/A	122	Consider scheduling or following-up to conduct TB/TST
Active clients who have not [?] received any services in the past 6 months	N/A	178	Review client records and try to reconnect them to services or mark as inactive.

All recommendations assume that you first ensure that the data (e.g., CD4 test date and value) has been entered into eCOMPAS.

If you wish to suggest a new alert click [here](#)

Email Alerts

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:

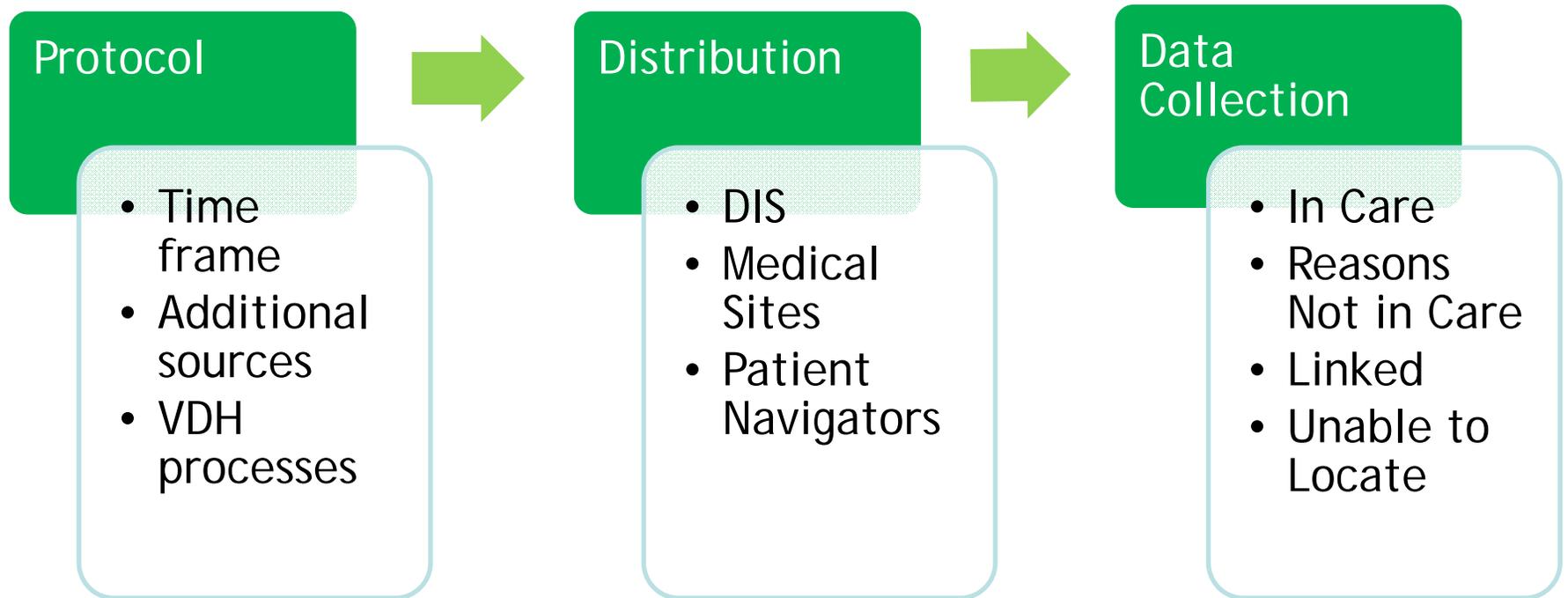
System: eCOMPAS (<https://www.e-compas.com/>)
Contract: Ryan White Grantee

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.

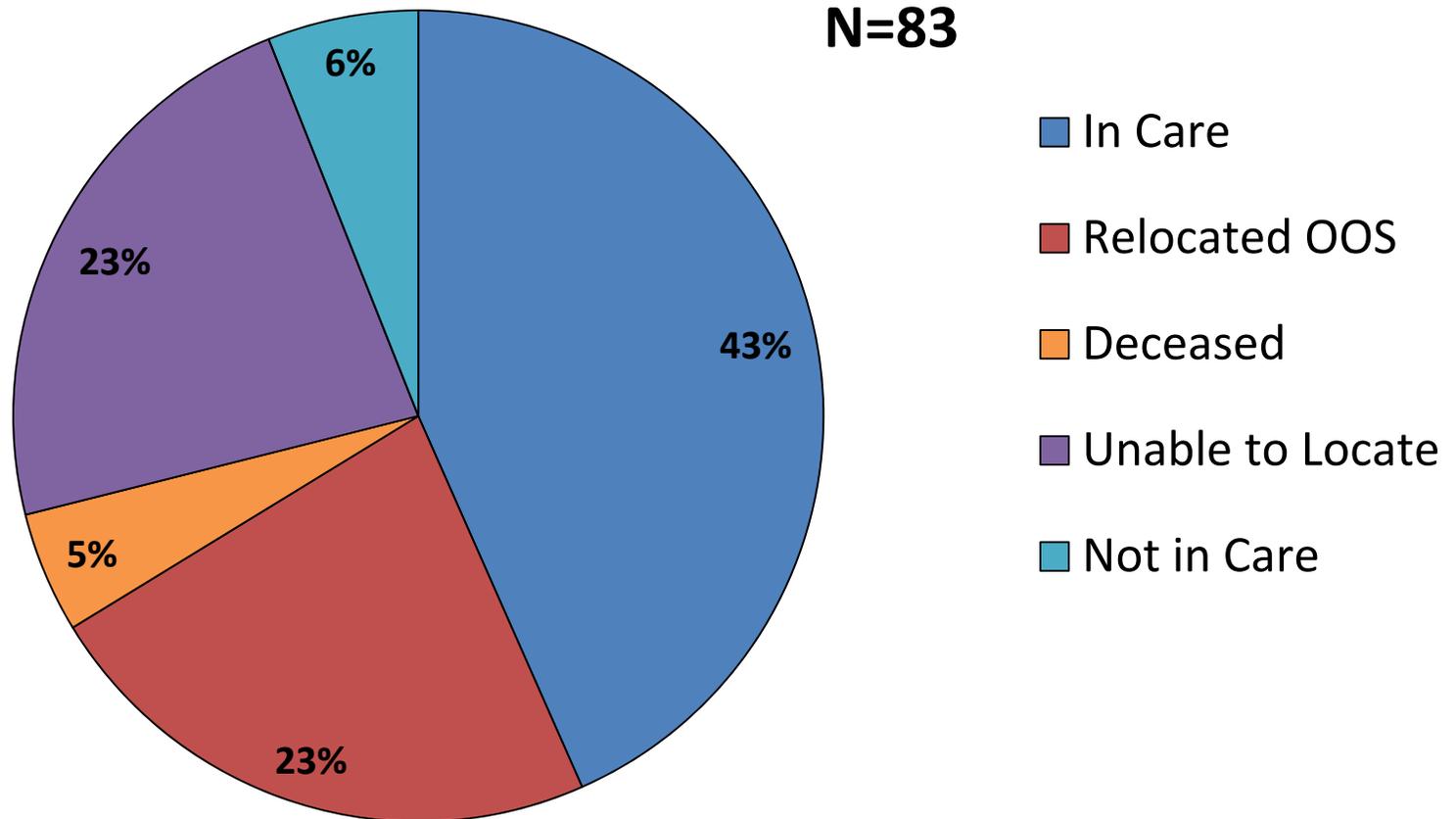
Thank you,
The eCOMPAS Team

Lost to Care Lists



Data to Care Pilot

Results: Pilot Overall



Next Steps/Future Directions

- Black Box data from other jurisdictions being utilized to update HIV Surveillance data, will be piloting sharing of care marker data among jurisdictions on a real-time basis using Black Box technology
- Data to Care Staff hired at VDH to review out of care lists internally (Lexis Nexis, other sources) and work with HIV prevention and HIV care contractors to determine missing/other potential data sources, including EMRs
- e2Virginia launch statewide in January 2016 to collect RSR, Prevention, HIV testing, and patient navigation data

Final Thoughts

- HIV Care Continuum is a framework and tool for examining both data and care issues
- Utilizing data for public health action requires merging of multiple sources of information across systems and funding streams
- Increased alignment of goals and objectives across agencies that fund HIV prevention, care, and surveillance activities

Thoughts/Wrap Up



Acknowledgements



Virginia Department of Health:

Kate Gilmore, Lauren Yerkes, Steve Bailey, Diana Jordan,
Elaine Martin, Jean Cadet, Sonam Patel, Amanda Saia,
Sahithi Boggavarapu

Health Resources and Services Administration:

Jessica Xavier, John Hannay

Centers for Disease Control:

Benjamin Laffoon