

# HIV Program and Data Integration

Bruce Taylor

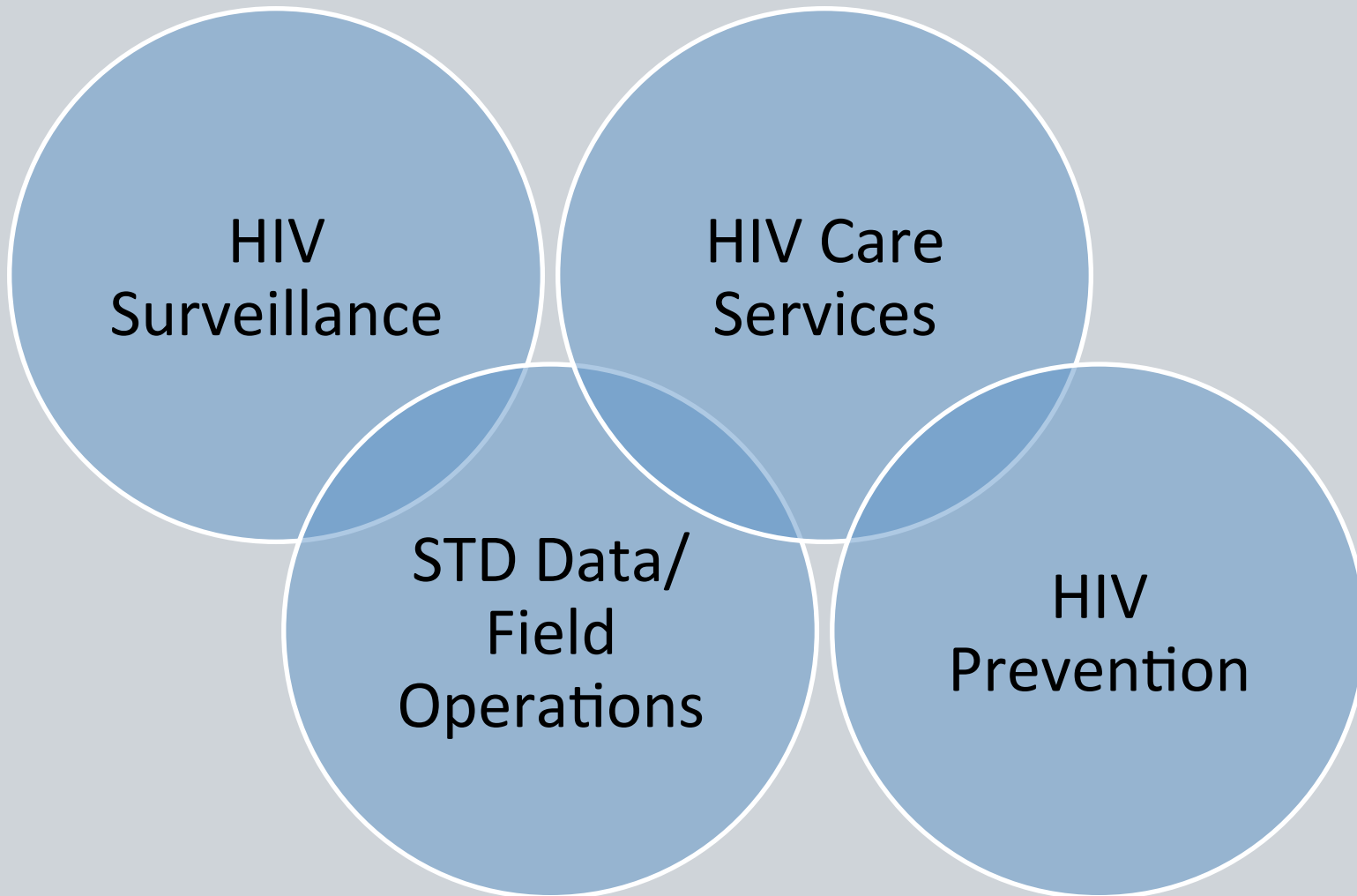
Anne Rhodes, PhD

Division of Disease Prevention

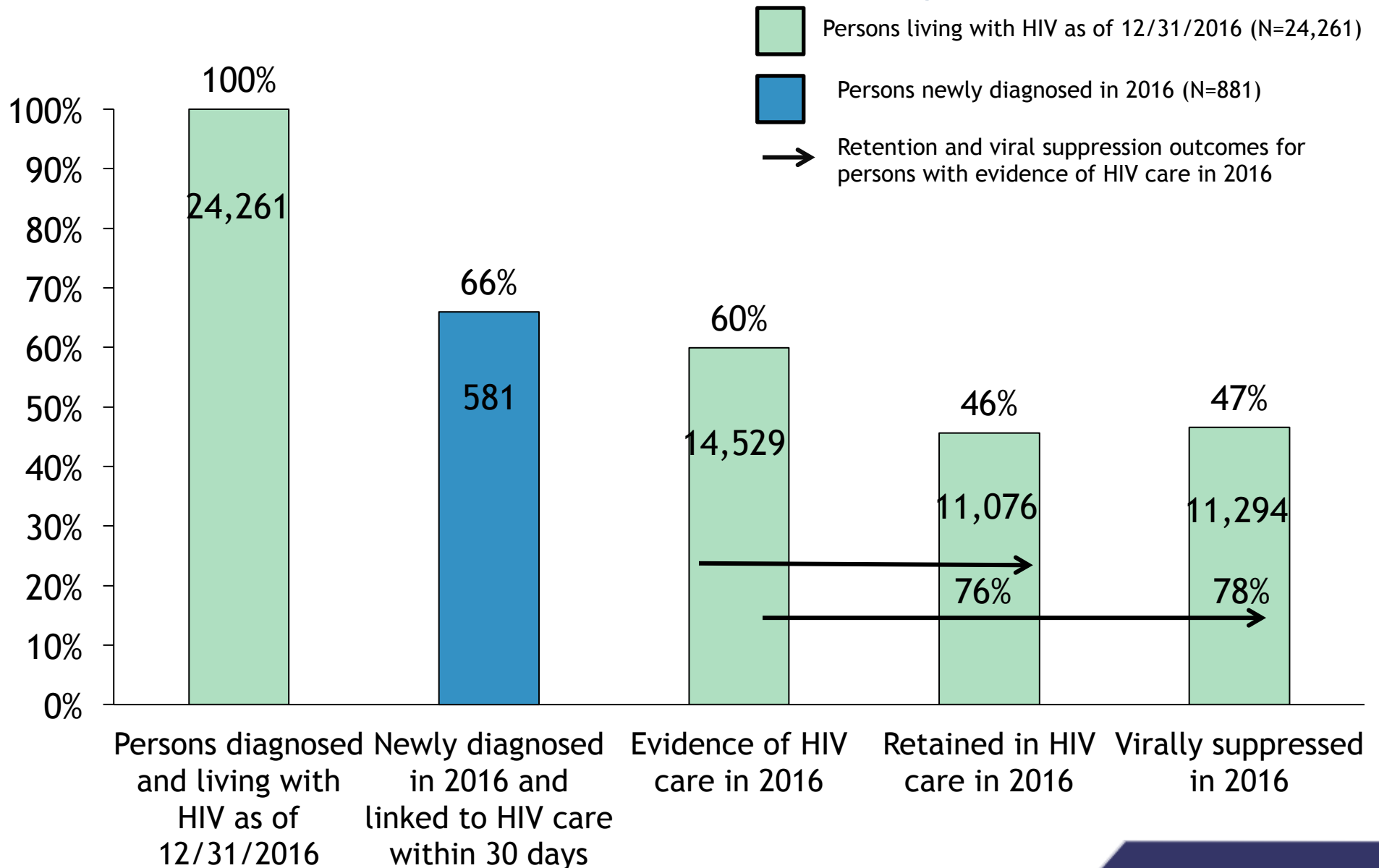
Virginia Department of Health



# Division of Disease Prevention: Virginia



# HIV Continuum of Care in Virginia, 2016



Data reported to the Virginia Department of Health as of April 2017; Accessed June 2017. 2016 data is considered preliminary.

# The Planning Process

- Used National HIV Strategy's four goals
- Community HIV Planning Group (CHPG) involvement from beginning and during all phases
- Norfolk TGA collaboration, input from DC EMA
- Formation of an internal workgroup- Prevention, Care, Surveillance
  - Weekly meetings for 6-months prior to plan due date
  - Focus on strategies to make positive changes in care continuum
- Used data to inform decisions
  - Epi data
  - Community assessments, focus groups, interviews
- Presented to CHPG for concurrence with final product

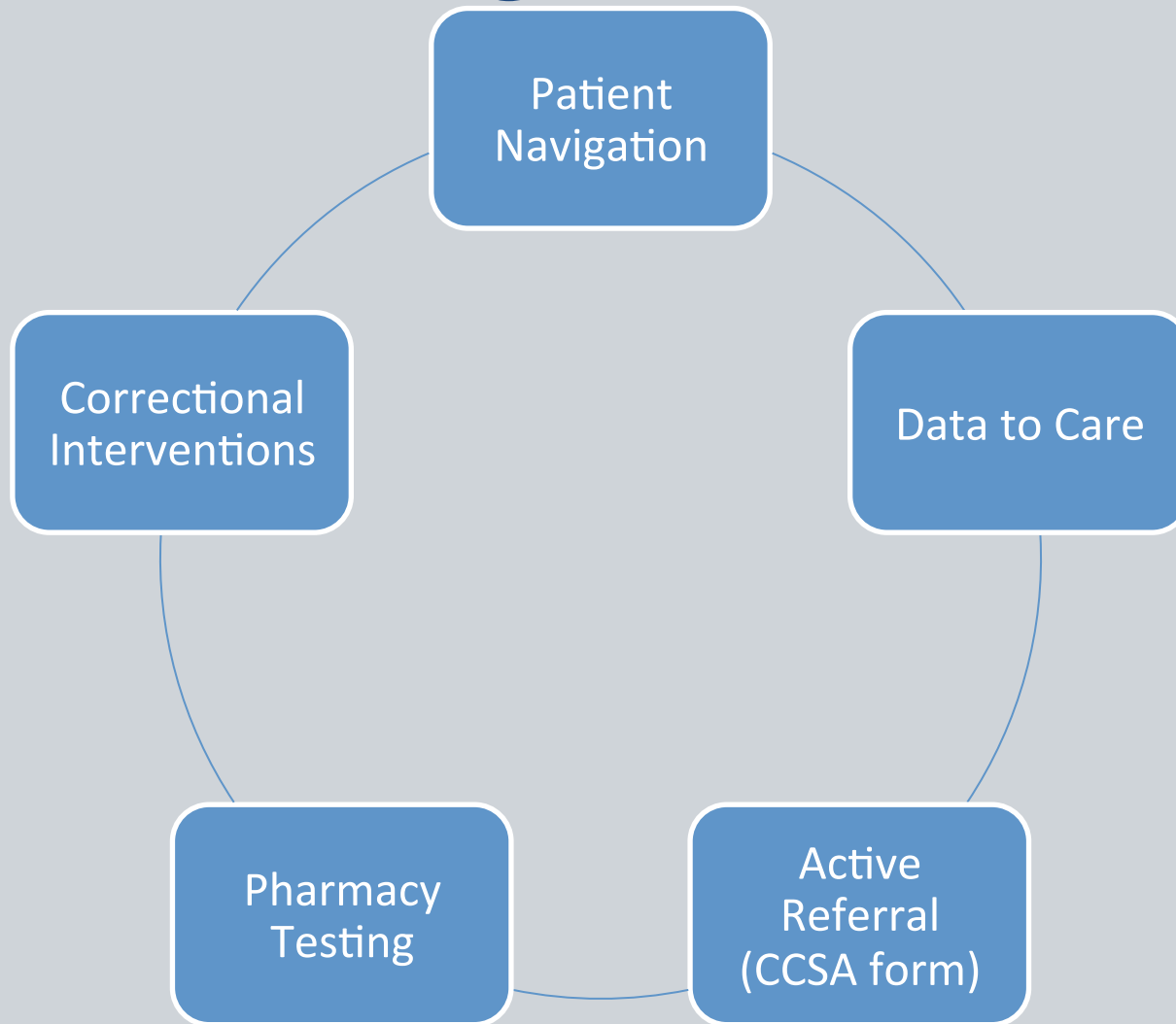
# Progress

- Virginia's IP posted on VDH website
  - <http://www.vdh.virginia.gov/disease-prevention/disease-prevention/hiv-community-planning-group/>
- Used to formulate 18-1802 work plan
- CHPG formed a Monitoring and Improvement Committee
  - Developing a monitoring tool
- Revisions being made:
  - Passing of Virginia law allowing for syringe services in 2017
  - Norfolk TGA completed needs assessment
  - New workforce assessment in progress
- HRSA/CDC Feedback

# 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)

# Systems Linkages/CAPUS



# Black Box: Real Time HIV Surveillance

- Pilot project from Georgetown, funded by NIH
- 1<sup>st</sup> Effort: Involved DC, MD, and VA Departments of Health
- 2<sup>nd</sup> Effort: Involved 8 jurisdictions: DC, MD, VA, NYS, NYC, WV, DE, NC, FL
- Utilizes 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

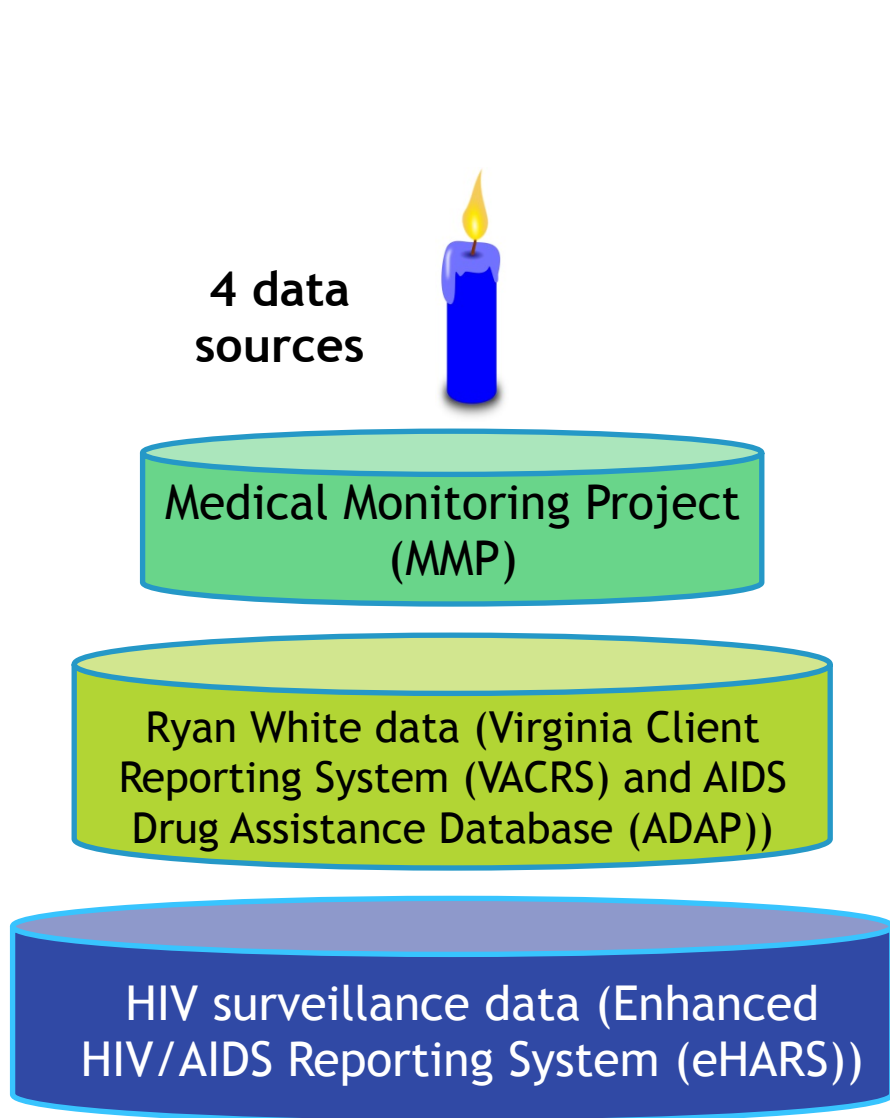
Output of person-matching across DC, MD, and VA eHARS databases:

| 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 |

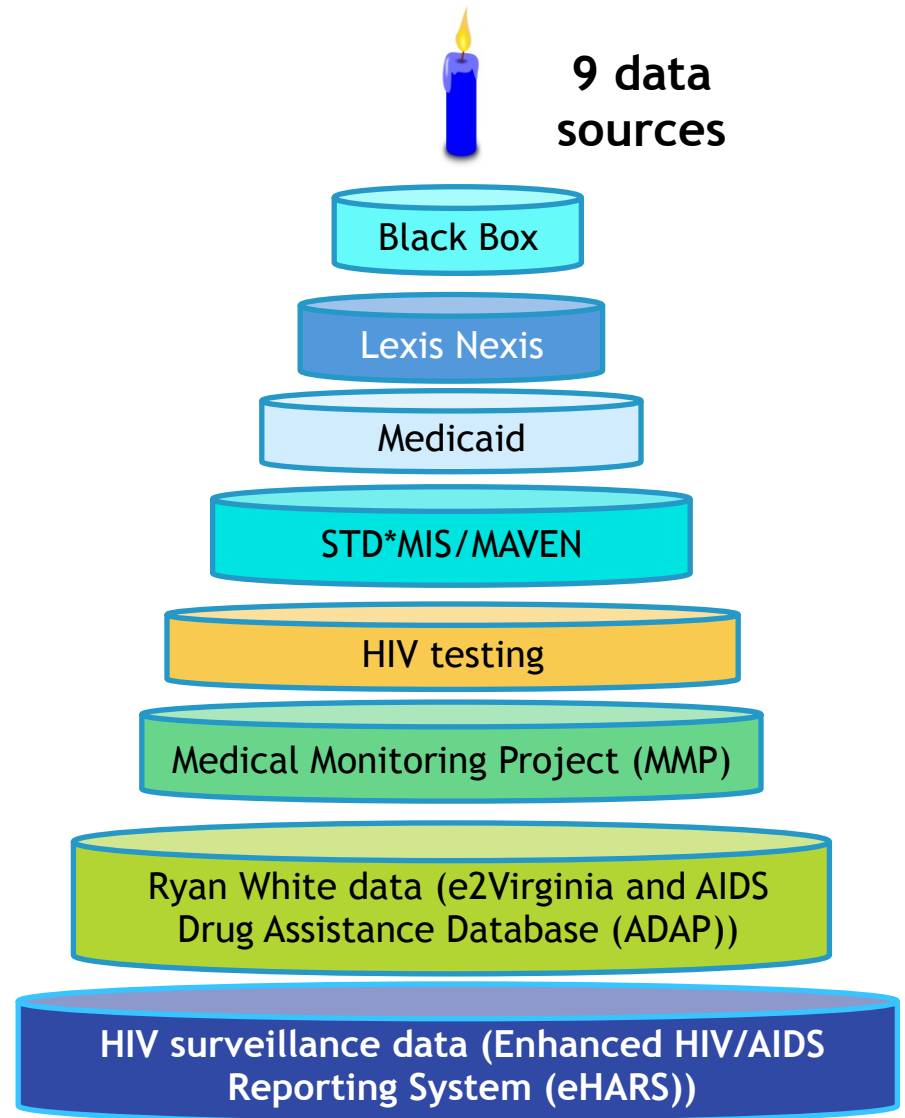
\*Bidirectional reporting results (i.e., DC-reported MD matches were equal to MD-reported DC-matches; etc.)

**Over half of matches were not known to jurisdictions**

# Care Markers Database: Then and Now



**Start of Project (Oct 2014)**



**Current Project (Mar 2017)**

# E2Virginia: Data Integration

- Utilized by HIV Care and Prevention contractors for client-level data – do not have duplicate data entry for the same clients
- Modules for Patient Navigation, HIV Testing, Linkage to Care and correctional interventions, as well as ADAP Recertification
- Utilized by HIV Surveillance staff to check for needed data for eHARS

# Virginia Results: Data Integration

## Improved Accuracy of HIV Case Numbers

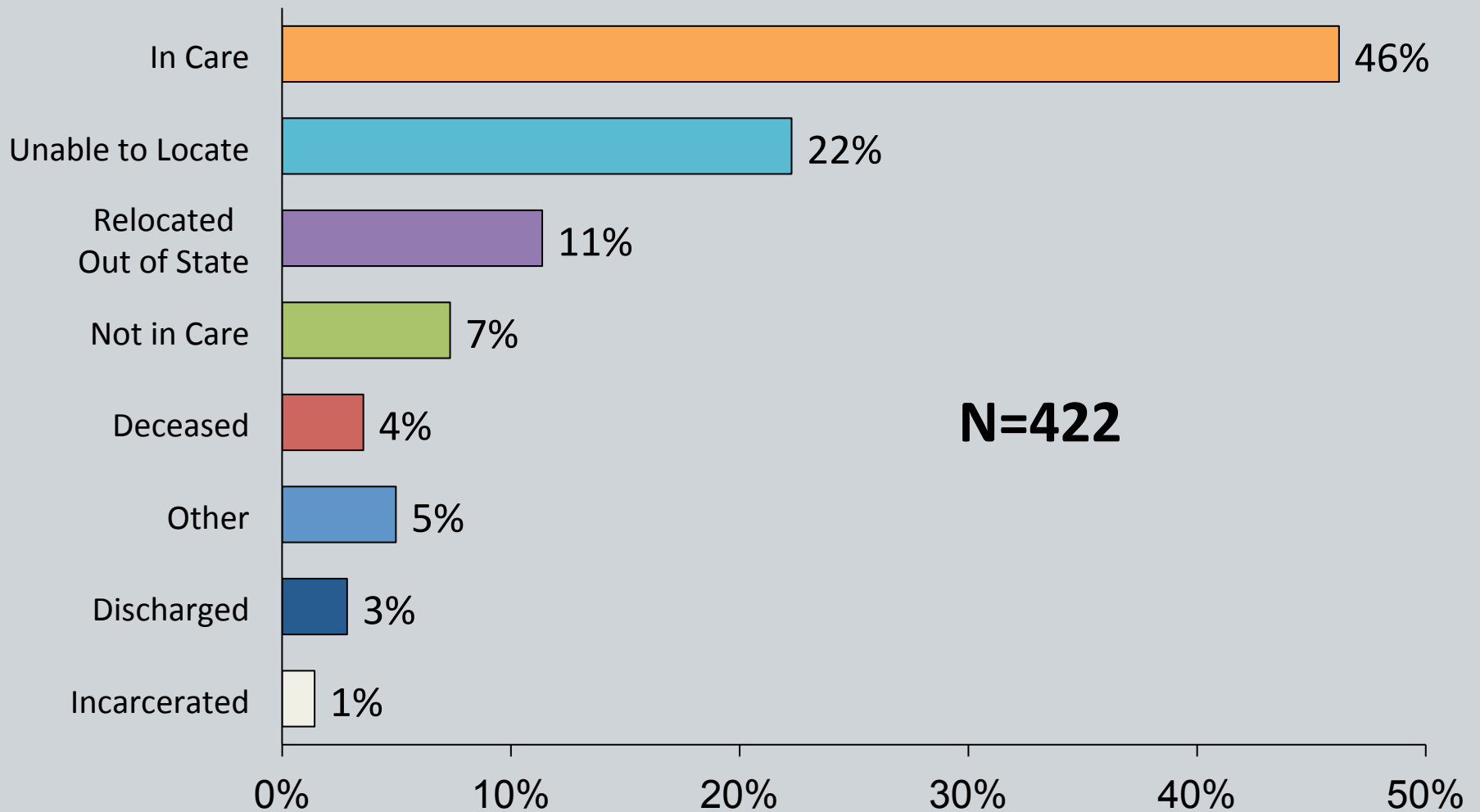
- After address and vital status updates, number of PLWH living in Virginia as of 12/31/2015 was reduced by 760 persons

## Increased Number of Care Markers for Continuum

- Black Box, along with other sources, including Medicaid and Ryan White added 8% to retention rates in 2014 and 9% to viral suppression rates in 2015

# Data to Care Client Outcomes

## Final Outcome



Data reported to the Virginia Department of Health as of 6/23/2017

# Transgender Study

- Lack of data on transgender persons (both living with HIV and overall)
- Cited in feedback from HRSA/CDC on Integrated Plan
- VDH partnering with University of Virginia and HRSA/CDC to do a survey of the health needs of the transgender population

# Survey Topics

- General and Transgender Specific demographics
- Relational and social support
- Substance use and abuse
- Mental health, stigma, stress, adverse experiences
- Sexual behaviors
- Infectious Diseases

## ...Survey Topics continued

- Access to primary care and transition-related medical care
- HIV prevention and education
- HIV testing and status
- Access to PrEP
- Access to HIV treatment services



# Contact Information

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