Ryan White Cross Parts
Quality Measures and the National HIV/AIDS Strategy

Carrie Walker, MPH
HIV Care Services Analyst
Virginia Department of Health

2/21/2019
QMAC Meeting
Base Definitions

- **Care Marker**: CD4 count or viral load lab test, genotype sequencing test, HIV medical care visit, or ART prescription

- **Evidence of Care**: One care marker within a 12-month time period

- **Linkage**: Linked to HIV care within 30 days of diagnosis

- **Retention**: Two care markers in a 12-month period at least 3 months apart

- **Viral Suppression**: Last viral load in 12-month period that is < 200 copies/mL
National HIV/AIDS Strategy Goals by 2020

Retention in HIV medical care: 90%

Linkage to HIV medical care within 30 days of diagnosis: 85%

Viral suppression: 80%
PERFORMANCE MEASURES: 2018
Ryan White Performance Measure Outcomes for all Virginia Ryan White Clients (N=8,758) versus all persons living with HIV/AIDS in Virginia (N=24,906), January 2018 - December 2018

- Linked to HIV care in 30 days or less: 80% (n=321) vs. 68% (n=831)
- Retained in care: 75% vs. 53%
- Virally Suppressed: 87% vs. 59%
Performance Measure Outcomes Among all Virginia Ryan White Clients Served in January 2018 - December 2018 (n=8,758) by Sex at Birth

- **Linkage to HIV Care within 30 days**
- **Retention**
- **Viral Suppression**

<table>
<thead>
<tr>
<th></th>
<th>Male (N=5,928)</th>
<th>Female (N=2,685)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N=251</td>
<td>79%</td>
<td>87%</td>
</tr>
<tr>
<td>N=70</td>
<td>75%</td>
<td>83%</td>
</tr>
<tr>
<td></td>
<td>88%</td>
<td>75%</td>
</tr>
</tbody>
</table>

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
Performance Measure Outcomes Among all Virginia Ryan White Clients Served in January 2018 - December 2018 (n=8,758), by Race/Ethnicity

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019.

Data for 2018 is preliminary.

*Other includes Asian, Pacific Islander, Native American, Native Hawaiian, Alaskan Native and Multi-race
Performance Measure Outcomes Among all Virginia Ryan White Clients Served in January 2018 - December 2018 (n=8,758), by Age*

*Age at diagnosis is calculated for linkage to HIV care and current age as of December 31, 2018 is used for retention and viral suppression.

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019.

Data for 2018 is preliminary.
Performance Measure Outcomes Among all Virginia Ryan White Clients Served in January 2018-December 2018 (n=8,758), by Region

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
PERFORMANCE MEASURES BY YEAR
Linkage to HIV Care within 30 days

Those newly diagnosed with HIV in
• January 2016 - December 2016
• January 2017 - December 2017
• January 2018 - December 2018
who had a care marker within 30 days of diagnosis date

Those newly diagnosed with HIV in
• January 2016 – December 2016
• January 2017 – December 2017
• January 2018 – December 2018
who received a Ryan White service in the same timeframe

Ineligible: Those not newly diagnosed in the specific timeframe
Linkage to HIV care within 30 days in Virginia Ryan White Population

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
Retention: 12 months

Those who received a Ryan White service in
• January 2016 - December 2016
• January 2017 - December 2017
• January 2018 - December 2018
who had at least two care markers in the respective timeframe that were at least 90 days apart

Ineligible: Those without a care marker in January 2016 - December 2016, January 2017 - December 2017, or January 2018 - December 2018, or those newly diagnosed with HIV during the respective timeframe

Those who received a Ryan White service in
• January 2016 - December 2016
• January 2017 - December 2017
• January 2018 - December 2018
who had at least one care marker in the respective timeframe
Retention in Virginia Ryan White Population

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
Viral Suppression

Persons served by Ryan White in
• January 2016 - December 2016
• January 2017 - December 2017
• January 2018 - December 2018
who had at least one viral load test care marker in the respective timeframe

Those who received a Ryan White service in
• January 2016 - December 2016
• January 2017 - December 2017
• January 2018 - December 2018
whose last viral load in the respective timeframe was 200 copies/mL or less

Ineligible: Those without a care marker in January 2016 - December 2016
January 2017 - December 2017, or January 2018 - December 2018
Viral Suppression in Virginia Ryan White Population

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
PERFORMANCE MEASURES
BY SEX AT BIRTH
Linkage to HIV care within 30 days by Sex at Birth in Virginia Ryan White Population, Jan 2016 - Dec 2016, Jan 2017 - Dec 2017, and Jan 2018 - Dec 2018

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019.

Data for 2018 is preliminary.
Retention by Sex at Birth in Virginia Ryan White Population, Jan 2016 - Dec 2016, Jan 2017 - Dec 2017, and Jan 2018 - Dec 2018

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
Viral Suppression by Sex at Birth in Virginia Ryan White Population, Jan 2016 - Dec 2016, Jan 2017 - Dec 2017, and Jan 2018 - Dec 2018

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
PERFORMANCE MEASURES BY RACE/ETHNICITY
Linkage to HIV care within 30 days by Race/Ethnicity in Virginia Ryan White Population, Jan 2016 - Dec 2016, Jan 2017 - Dec 2017, and Jan 2018 - Dec 2018

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
Retention by Race/Ethnicity in Virginia Ryan White Population, Jan 2016 - Dec 2016, Jan 2017 - Dec 2017, and Jan 2018 - Dec 2018

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019.

Data for 2018 is preliminary.
Viral Suppression by Race/Ethnicity in Virginia Ryan White Population, Jan 2016 - Dec 2016, Jan 2017 - Dec 2017, and Jan 2018 - Dec 2018

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
PERFORMANCE MEASURES BY AGE GROUPING
Linkage to HIV care within 30 days by Age at Diagnosis in Virginia Ryan White Population, Jan 2016 - Dec 2016, Jan 2017 - Dec 2017, and Jan 2018 - Dec 2018

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Jan 2016 - Dec 2016</th>
<th>Jan 2017 - Dec 2017</th>
<th>Jan 2018 - Dec 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;25</td>
<td>74%</td>
<td>72%</td>
<td>89%</td>
</tr>
<tr>
<td>25-44</td>
<td>72%</td>
<td>76%</td>
<td>81%</td>
</tr>
<tr>
<td>45+</td>
<td>75%</td>
<td>78%</td>
<td>89%</td>
</tr>
<tr>
<td>25-44</td>
<td>72%</td>
<td>76%</td>
<td>81%</td>
</tr>
<tr>
<td>45+</td>
<td>75%</td>
<td>78%</td>
<td>89%</td>
</tr>
</tbody>
</table>

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
Retention by Current Age in Virginia Ryan White Population, Jan 2016 - Dec 2016, Jan 2017 - Dec 2017, and Jan 2018 - Dec 2018

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
Viral Suppression by Current Age in Virginia Ryan White Population, Jan 2016 - Dec 2016, Jan 2017 - Dec 2017, and Jan 2018 - Dec 2018

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019.

Data for 2018 is preliminary.
PERFORMANCE MEASURES BY REGION
Linkage to HIV Care within 30 days by Health Region in Virginia Ryan White Population, Jan 2016 - Dec 2016, Jan 2017 - Dec 2017, and Jan 2018 - Dec 2018

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
Retention by Health Region in Virginia Ryan White Population, Jan 2016 - Dec 2016, Jan 2017 - Dec 2017, and Jan 2018 - Dec 2018

Jan 2016 - Dec 2016
Northwest=1,146
Northern=897
Southwest=831
Central=1,721
Eastern=2,162

Jan 2017 - Dec 2017
Northwest=1,488
Northern=983
Southwest=913
Central=1,171
Eastern=2,338

Jan 2018 - Dec 2018
Northwest=1,816
Northern=957
Southwest=816
Central=1,183
Eastern=2,499

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
Viral Suppression by Region in Virginia Ryan White Population, Jan 2016 - Dec 2016, Jan 2017 - Dec 2017, and Jan 2018 - Dec 2018

Data reported to Virginia Department of Health as of December 31st, 2018 and accessed February 5th, 2019. Data for 2018 is preliminary.
PERFORMANCE MEASURES
SUMMARY
Summary of Cross-Parts Measures

• Over time, linkage to care within 30 days and viral suppression are increasing
  • Rates of viral suppression have surpassed 80% for all race/ethnicities for 2018

• Retention in care is an area for improvement, dropping 1% in 2018 after being consistently at 76% 2016-2017, but numbers are expected to increase slightly for 2018 as data is received

• Linkage to care and retention in care efforts focused on younger clients of all races may improve measures

• Disparities among race/ethnicity, gender, and age showing greater improvement than that of national estimates, reflecting success of Ryan White program efforts