

# VHHA Quality and Patient Safety Dashboard



## Executive Summary

Of 23 measures tracked, Virginia has **made progress in 13**, remained **neutral in 2**, and **declined in 8**. There are 3 measures flagged where Virginia is above the national average | Last Updated: June 20, 2024

### Healthcare-Associated Infections (HAI)

CLABSI   HAI 1	CAUTI   HAI 2	SSI Colon   HAI 3	SSI A. Hyst   HAI 4 <span style="color:red">■</span>	MRSA   HAI 5
0.69 <span style="color:green">▼</span> Virginia Rank 20 of 51 National SIR 0.77	0.57 <span style="color:green">▼</span> Virginia Rank 16 of 51 National SIR 0.61	0.71 <span style="color:green">▼</span> Virginia Rank 09 of 51 National SIR 0.89	1.05 <span style="color:green">▼</span> Virginia Rank 32 of 51 National SIR 0.96 <span style="color:red">■</span>	0.78 <span style="color:red">▲</span> Virginia Rank 29 of 51 National SIR 0.80

### Readmissions

AMI	CABG	COPD	HF	Hip/Knee	PN
0.14 <span style="color:green">▼</span> Virginia Rank 19 of 51 National Avg. 0.14	0.11 <span style="color:green">▼</span> Virginia Rank 13 of 51 National Avg. 0.11	0.19 <span style="color:green">▼</span> Virginia Rank 16 of 51 National Avg. 0.19	0.20 <span style="color:green">▼</span> Virginia Rank 25 of 51 National Avg. 0.20	0.04 <span style="color:red">▲</span> Virginia Rank 12 of 51 National Avg. 0.04	0.17 <span style="color:green">▼</span> Virginia Rank 33 of 51 National Avg. 0.17

### Mortality

AMI	CABG	COPD <span style="color:red">■</span>	HF	PN <span style="color:red">■</span>
0.12 <span style="color:green">▼</span> Virginia Rank 13 of 51 National Avg. 0.13	0.03 <span style="color:red">▲</span> Virginia Rank 11 of 51 National Avg. 0.03	0.09 <span style="color:red">▲</span> Virginia Rank 25 of 51 National Avg. 0.09 <span style="color:red">■</span>	0.11 <span style="color:red">▲</span> Virginia Rank 19 of 51 National Avg. 0.12	0.18 <span style="color:red">▲</span> Virginia Rank 32 of 51 National Avg. 0.18 <span style="color:red">■</span>

### Safety and Patient Experience

Patient Safety PSI90	Employee Safety TCIR	HCAHPS Overall Rating	HCAHPS Nurse Comm.	HCAHPS Doctor Comm.
0.97 <span style="color:red">▲</span> Virginia Rank 07 of 51 National Avg. 1.00	6.00 <span style="color:red">▲</span> Virginia Rank N/A National Avg. 6.10	0.69 ● Virginia Rank 33 of 51 National Avg. 0.71	0.79 <span style="color:green">▲</span> Virginia Rank 28 of 51 National Avg. 0.79	0.79 ● Virginia Rank 26 of 51 National Avg. 0.80

### External Hospital Ratings

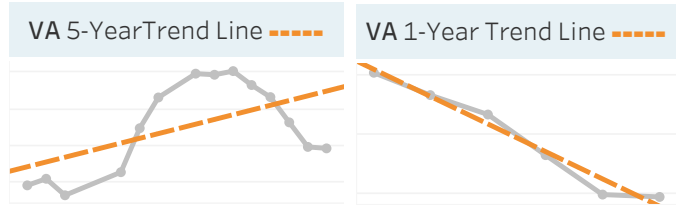
Leapfrog Safety Grades <span style="color:green">▲</span>							CMS Star Rating Count <span style="color:green">▲</span>						
	A	B	C	D	F	Total	☆☆☆☆☆	☆☆☆☆	☆☆☆☆	☆☆☆☆	☆☆☆☆	Total	
September 2023	35	21	12	1	0	69	2022	2	16	19	27	9	73
April 2024	40	18	12	1	0	71	2023	2	13	16	30	13	74

Data Sources: Aggregate Hospital data from DataGen, Leapfrog Survey, and CMS | Timeframes vary by data source and data release schedules. For additional details, refer to the detailed report | ▼▲ indicate the change in rate (not ranking) from the previously recorded value | ■ indicates a measure higher than the national average or unfavorable trend | Data subject to change. ● indicates no change from the previous recorded value | Produced by VHHA Analytics

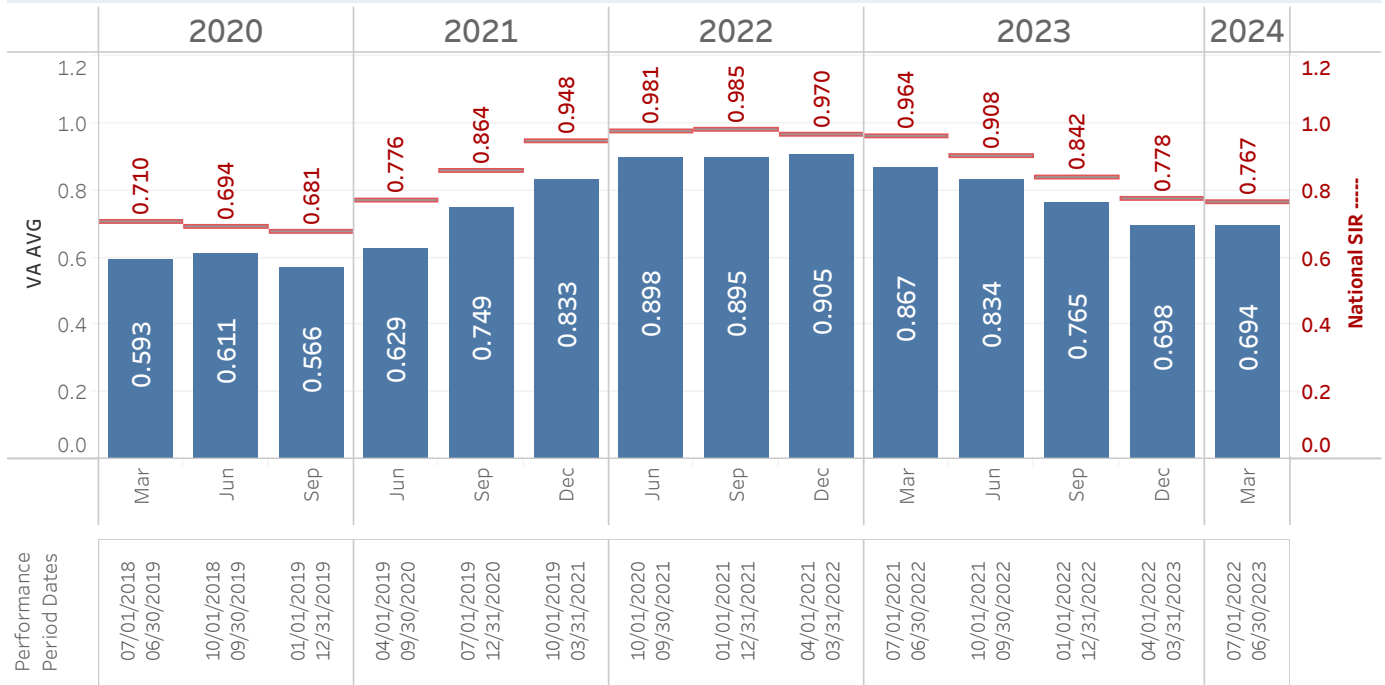
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

### HAI 1: Central Line-Associated Bloodstream Infections CLABSI

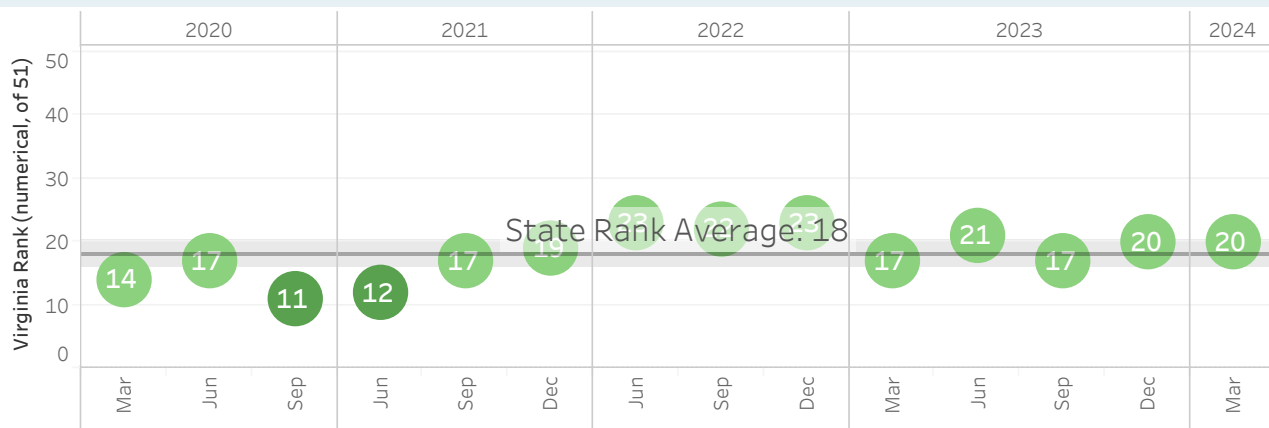


CLABSI | HAI 1 - Virginia SIR Trend  
Care Compare Release Date



Legend: Below National Rate

CLABSI | HAI 1 - State Rank Trend



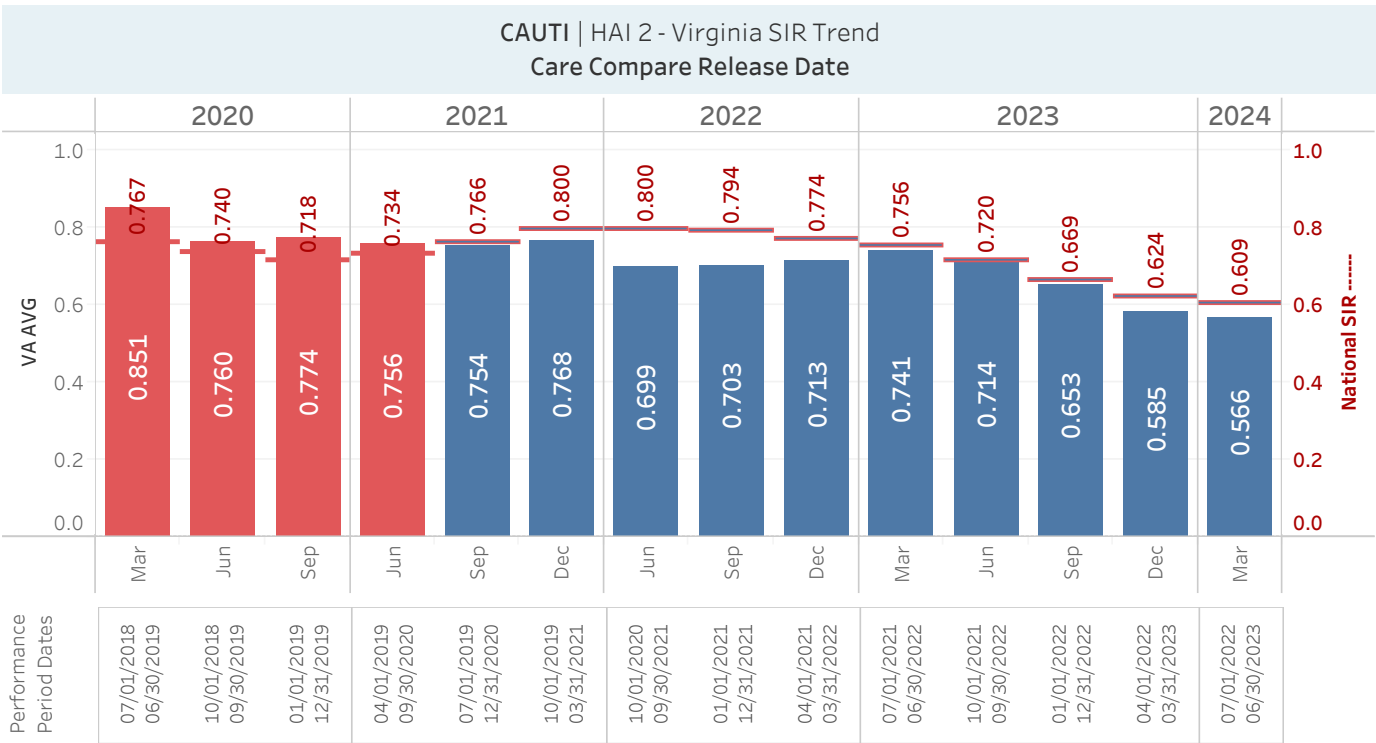
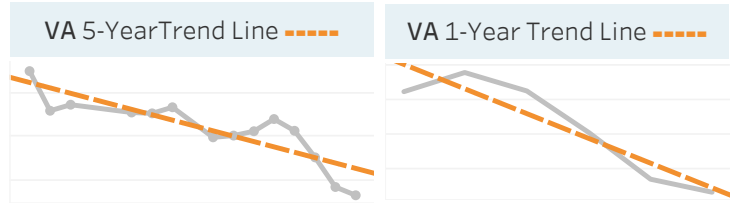
Legend: 1st Quartile, 2nd Quartile

Data Source: DataGen Care Compare Data | Produced by VHHA Analytics

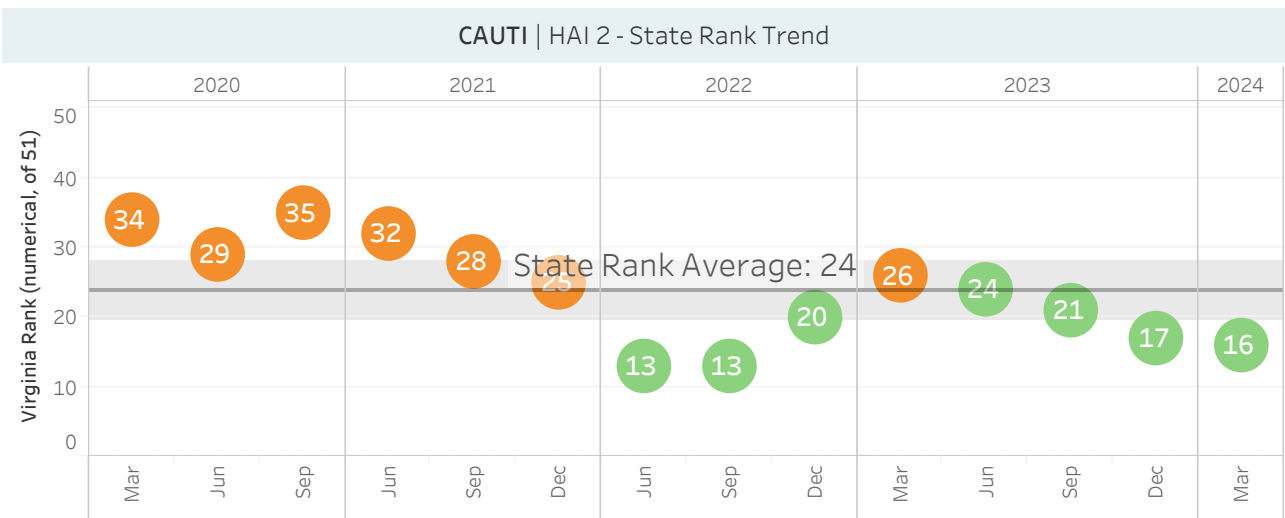
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

### HAI 2: Catheter-associated urinary tract infection CAUTI



Legend: Above National Rate (Red), Below National Rate (Blue)



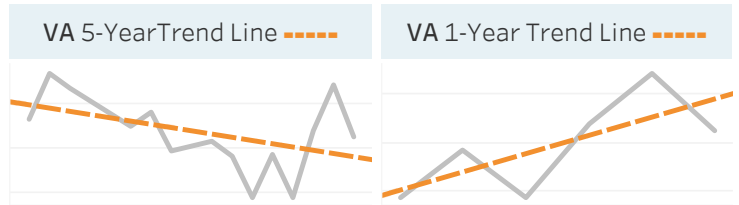
Legend: 2nd Quartile (Green), 3rd Quartile (Orange)

Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

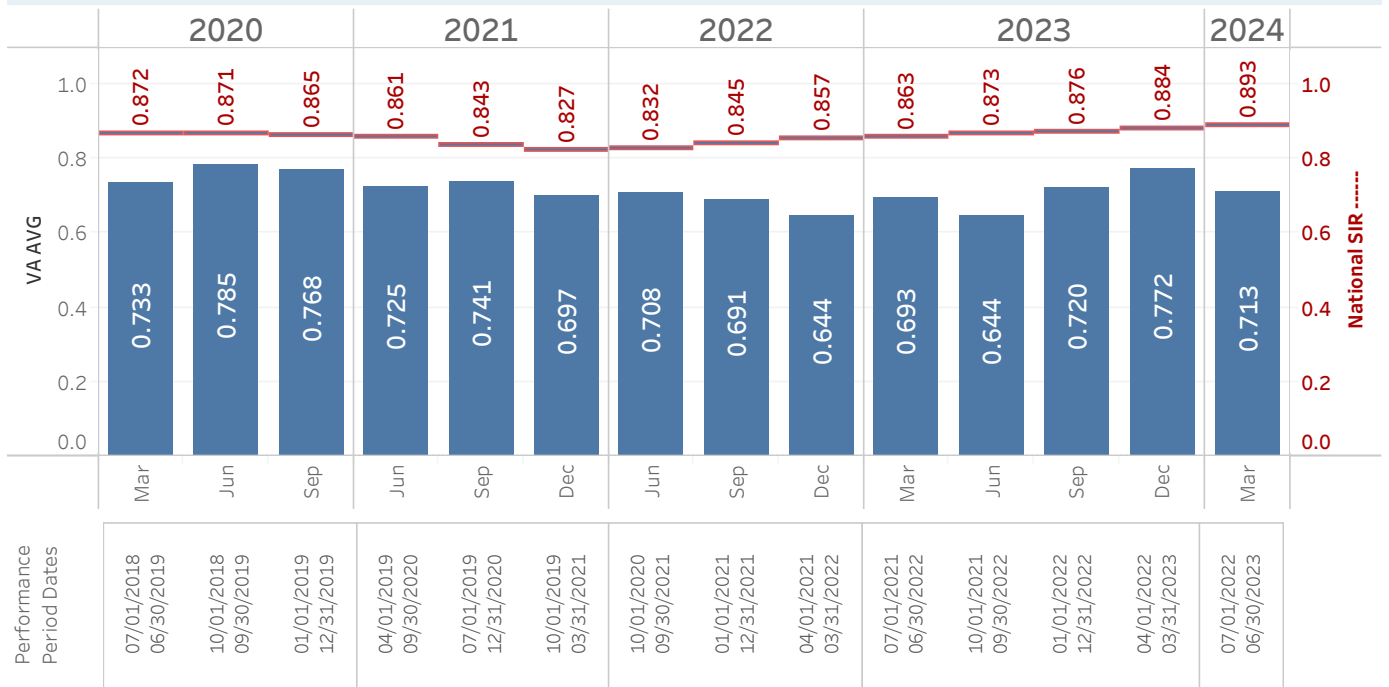
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

HAI 3: Surgical Site Infections  
Colorectal Surgery | SSI Colon

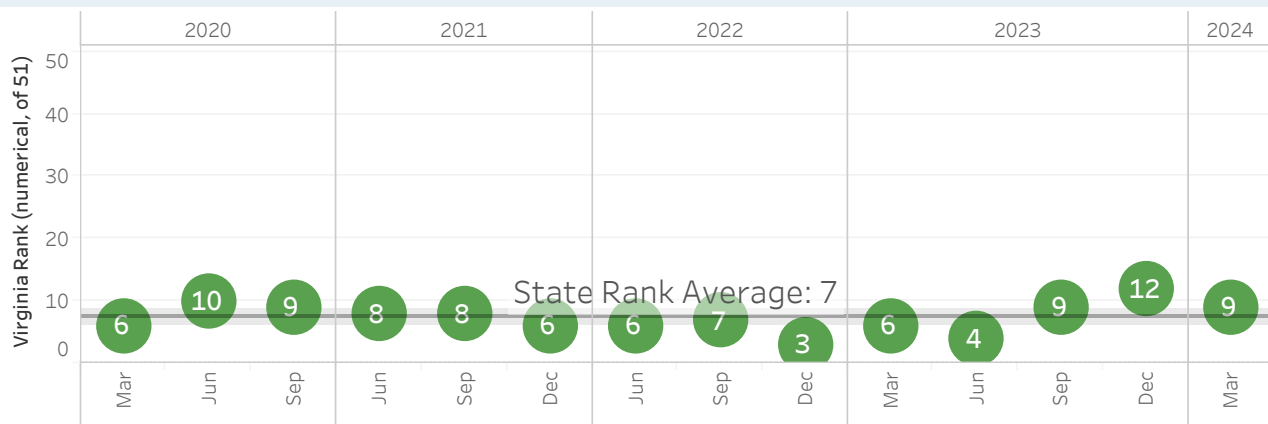


SSI Colon | HAI 3 - Virginia SIR Trend  
Care Compare Release Date



Legend: Below National Rate

SSI Colon | HAI 3 - State Rank Trend



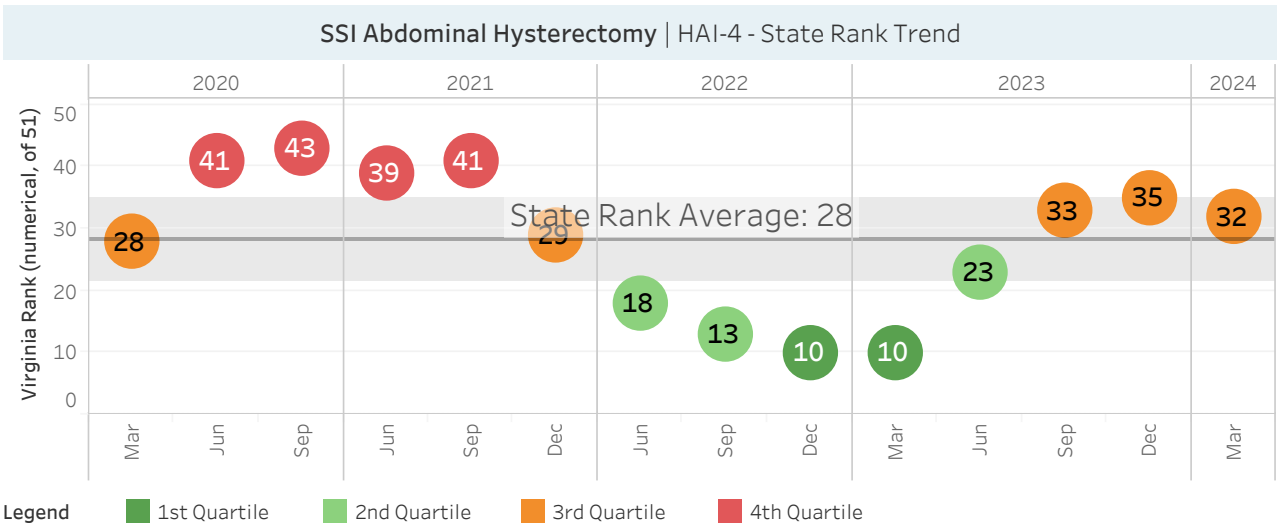
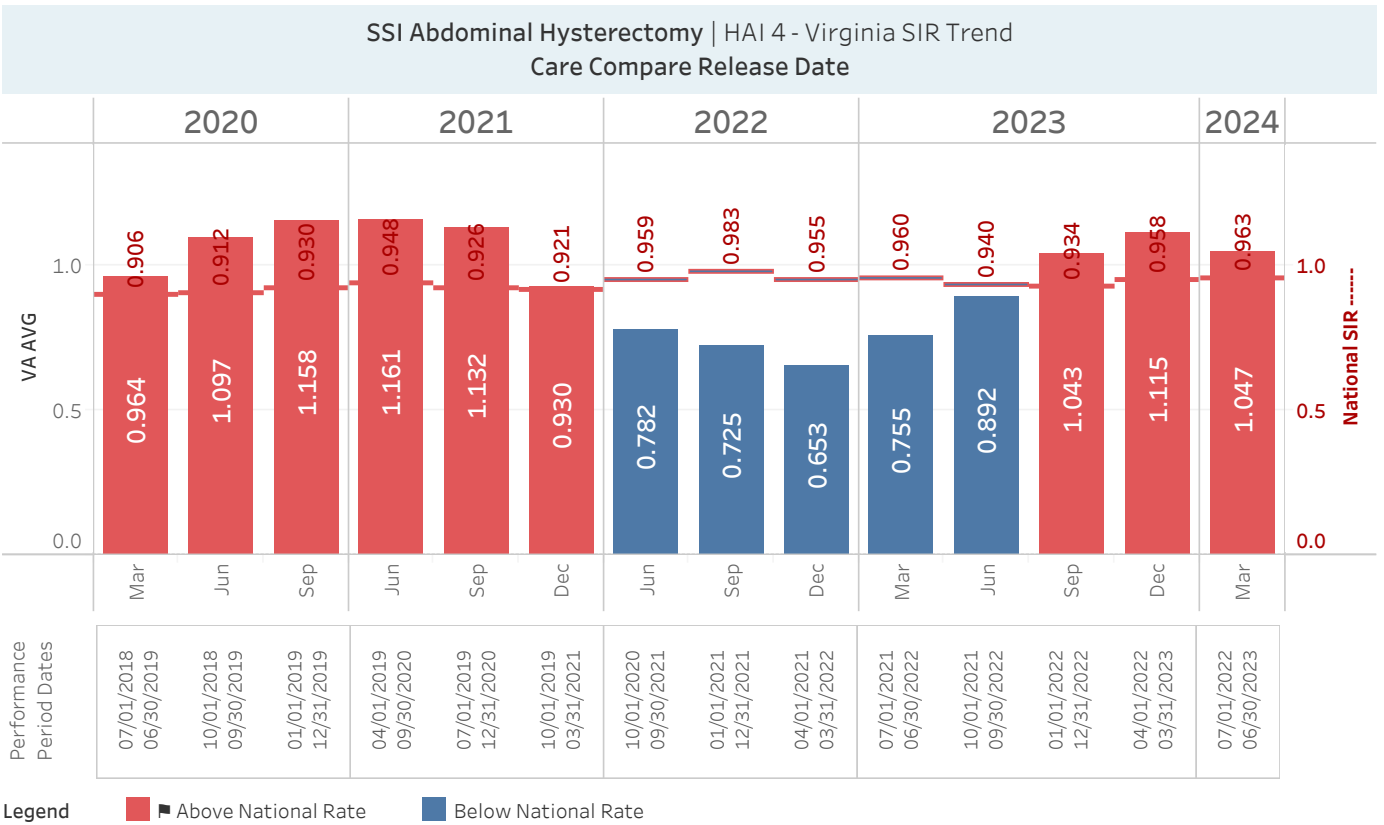
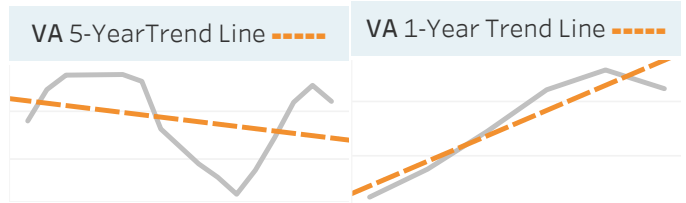
Legend: 1st Quartile

Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

# VHHA Quality and Patient Safety Dashboard

## Measure Detail

HAI 4: Surgical Site Infections  
Abdominal Hysterectomy | SSI A. Hyst

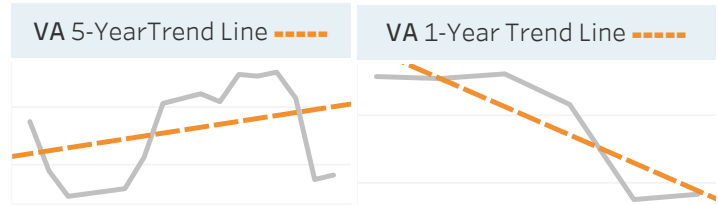


Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

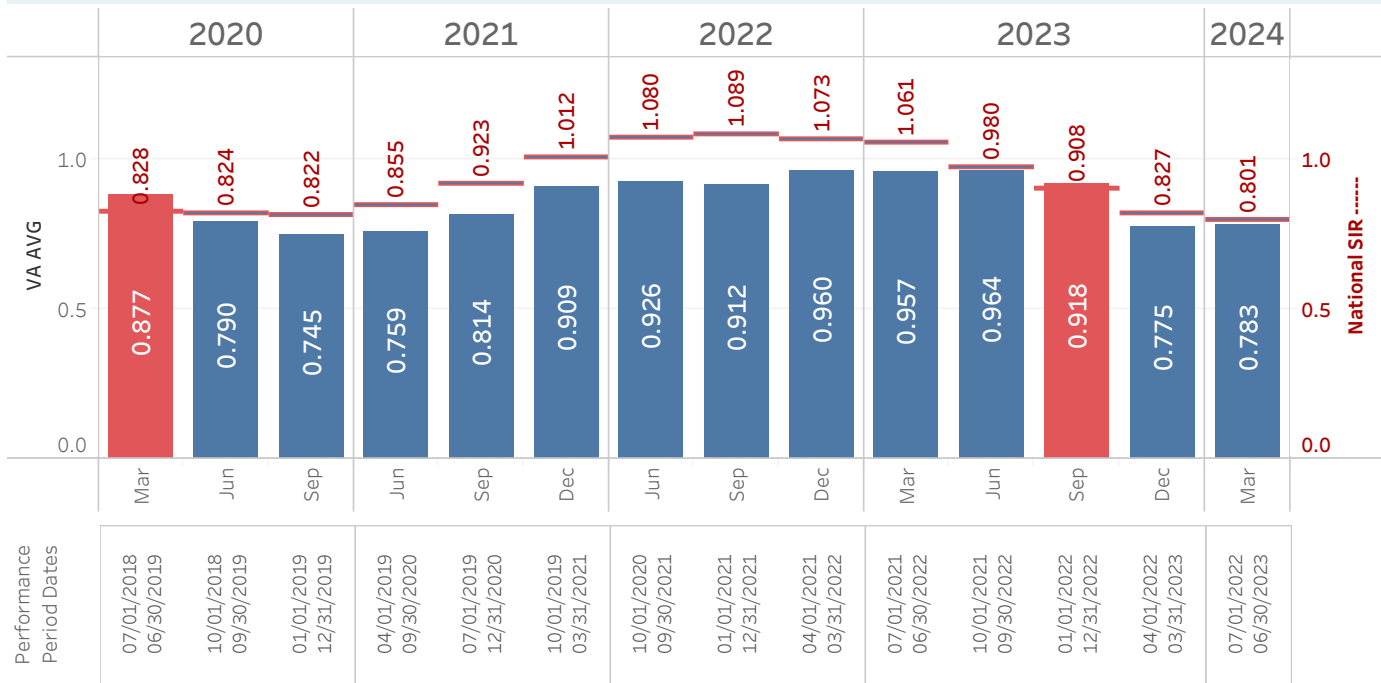
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

### HAI 5: Methicillin-resistant Staphylococcus aureus | MRSA

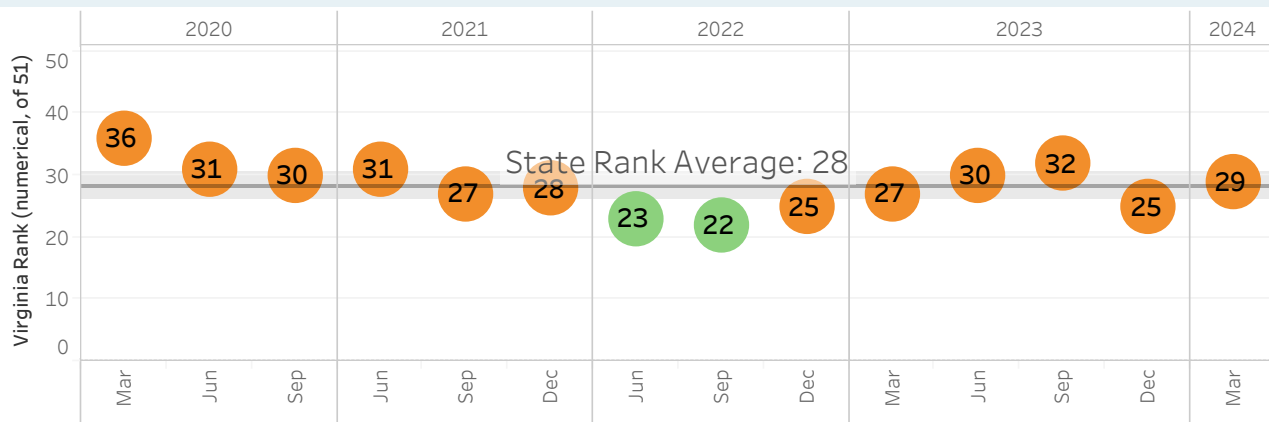


Methicillin-resistant Staphylococcus aureus (MRSA) | HAI 5 - Virginia SIR Trend  
Care Compare Release Date



Legend: Above National Rate (Red), Below National Rate (Blue)

Methicillin-resistant Staphylococcus aureus (MRSA) | HAI-5 - State Rank Trend



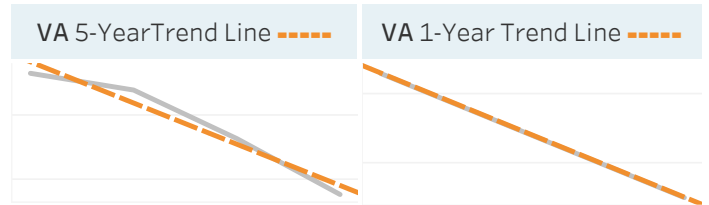
Legend: 2nd Quartile (Green), 3rd Quartile (Orange)

Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

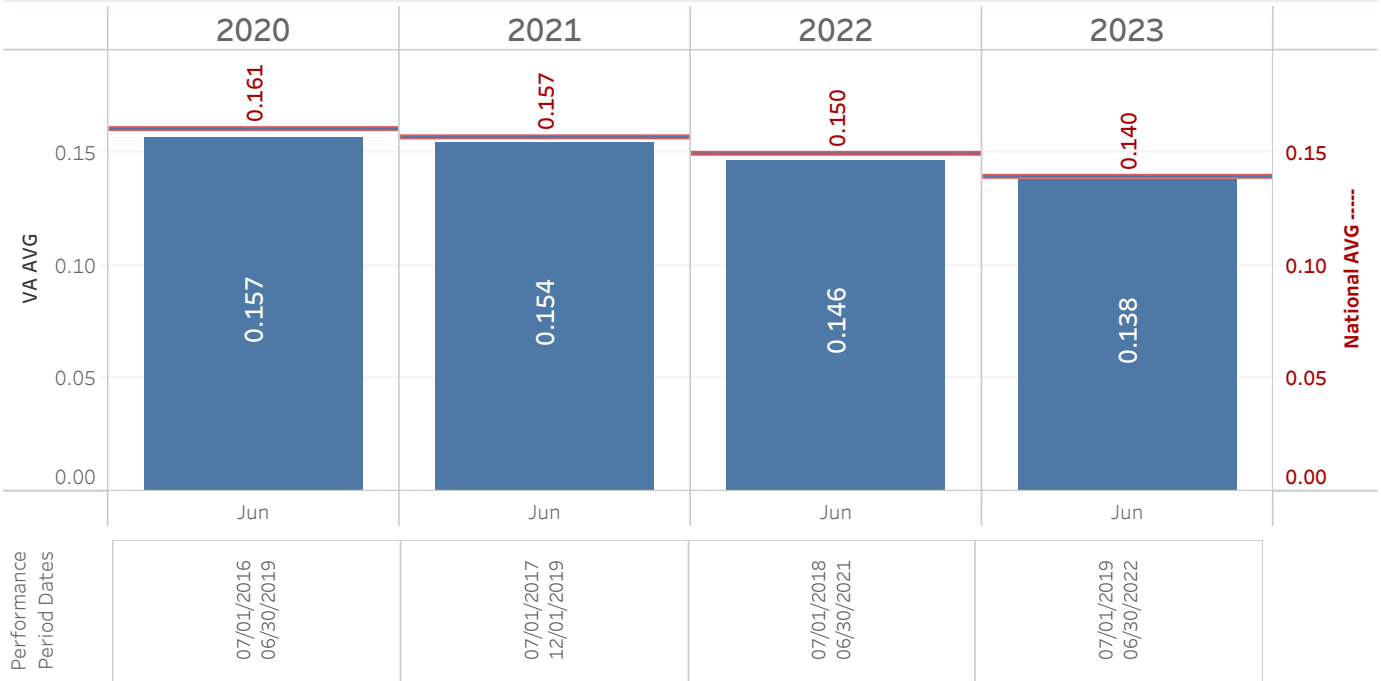
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

### READM AMI: 30-Day Readmissions Acute Myocardial Infarction

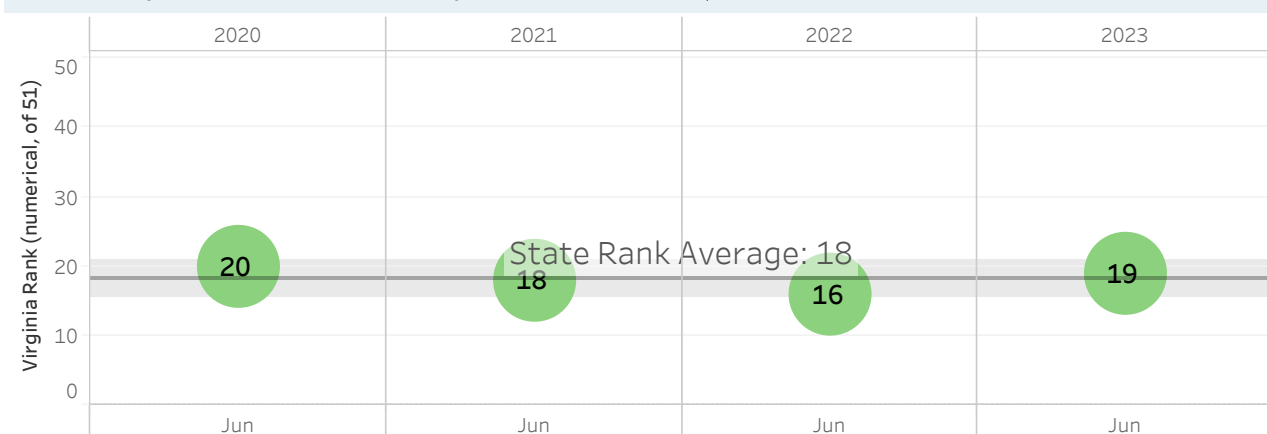


30-Day Readmissions- Acute Myocardial Infarction | Readm AMI Trend - Virginia Trend  
Care Compare Release Date



Legend: Below National ..

30-Day Readmissions- Acute Myocardial Infarction | Readm AMI Rank Trend - State Rank Trend



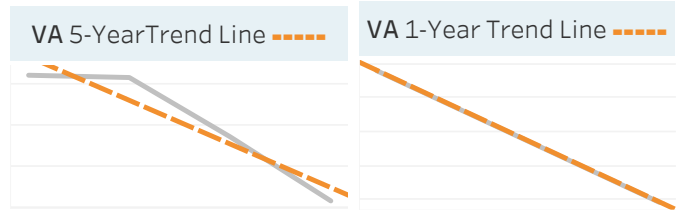
Legend: 2nd Quartile

Reported as a risk-standardized readmission rate (RSRR). Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

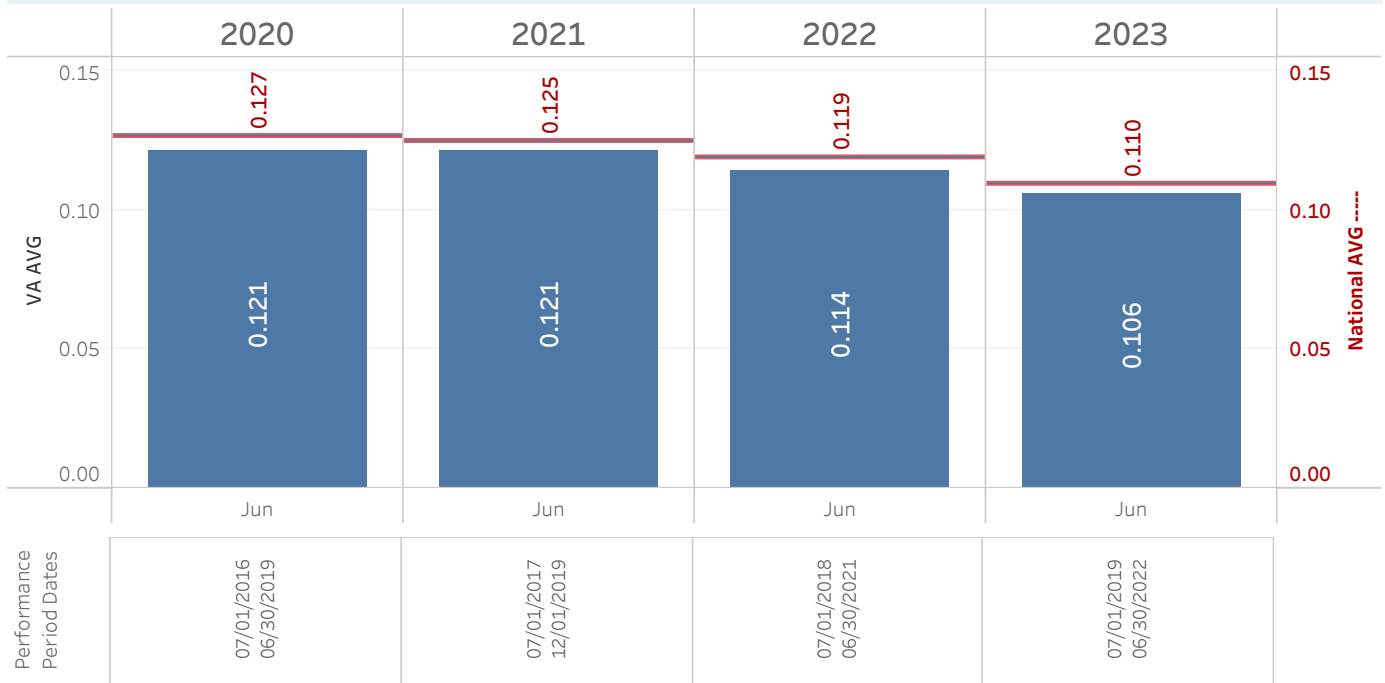
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

### READM CABG: 30-Day Readmissions Coronary Artery Bypass Graft

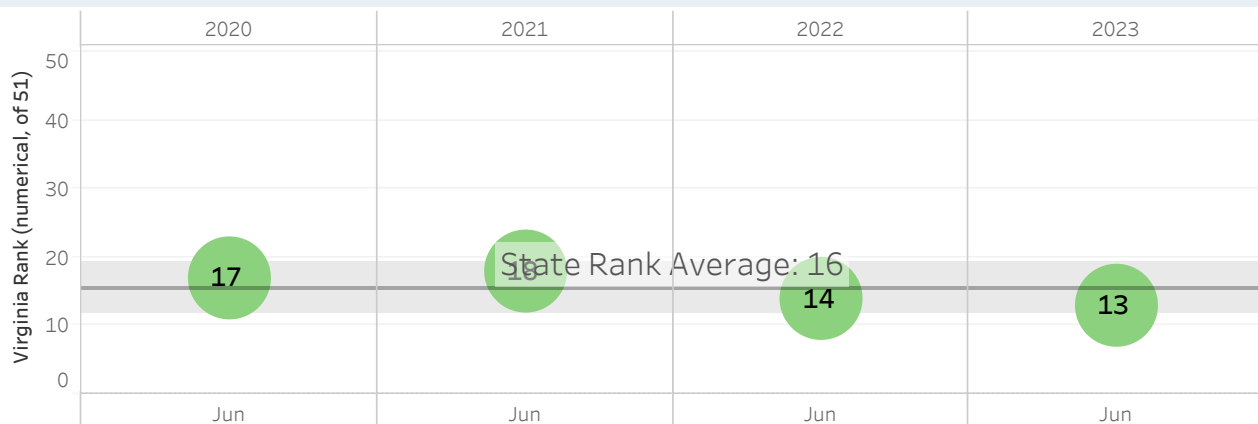


30-Day Readmissions- Coronary Artery Bypass Graft | Readm CABG Trend - Virginia Trend  
Care Compare Release Date



Legend: Below National ..

30-Day Readmissions- Coronary Artery Bypass Graft | Readm CABG Rank Trend - State Rank Trend



Legend: 2nd Quartile

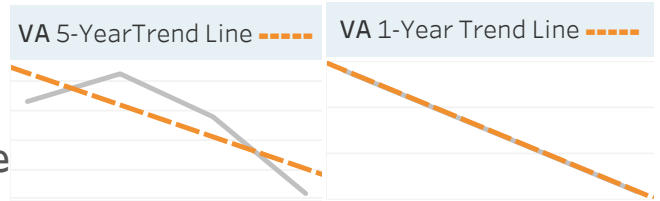
Reported as a risk-standardized readmission rate (RSRR). Data Source: DataGen Care Compare Data. Produced by VHHA Analytics



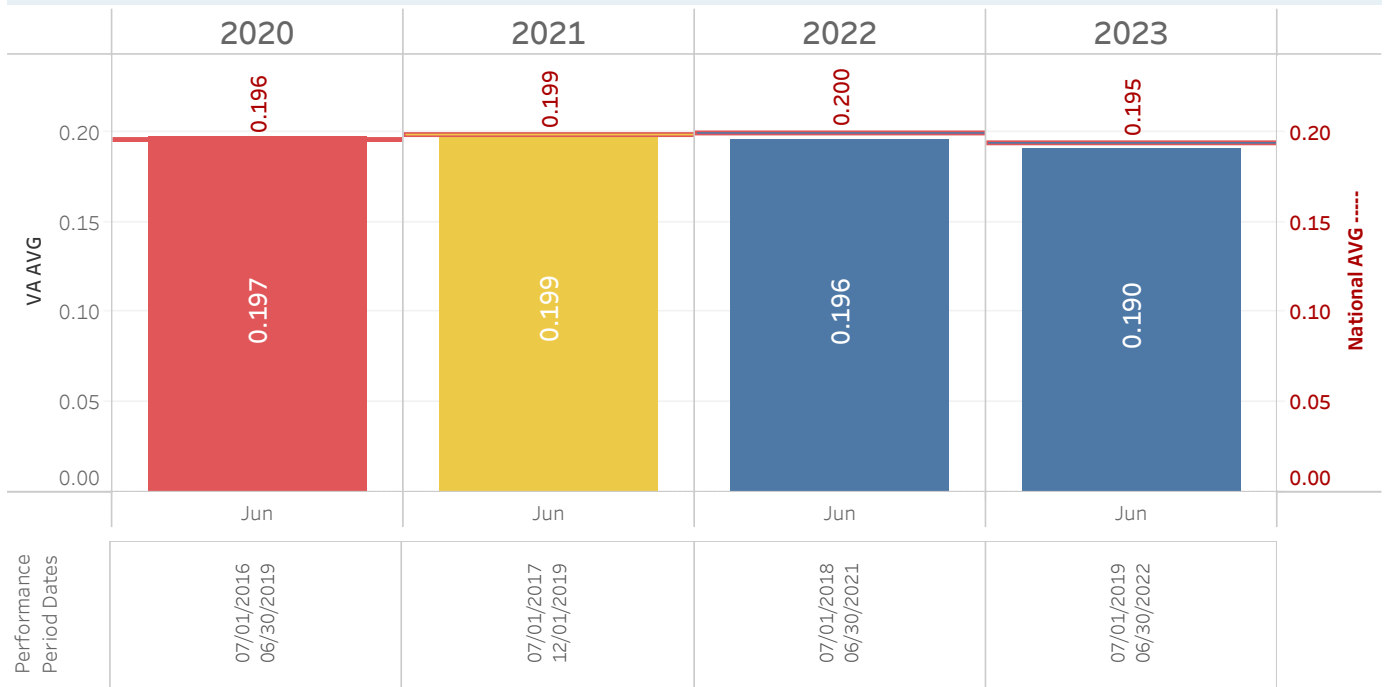
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

### READM COPD: 30-Day Readmissions Chronic Obstructive Pulmonary Disease



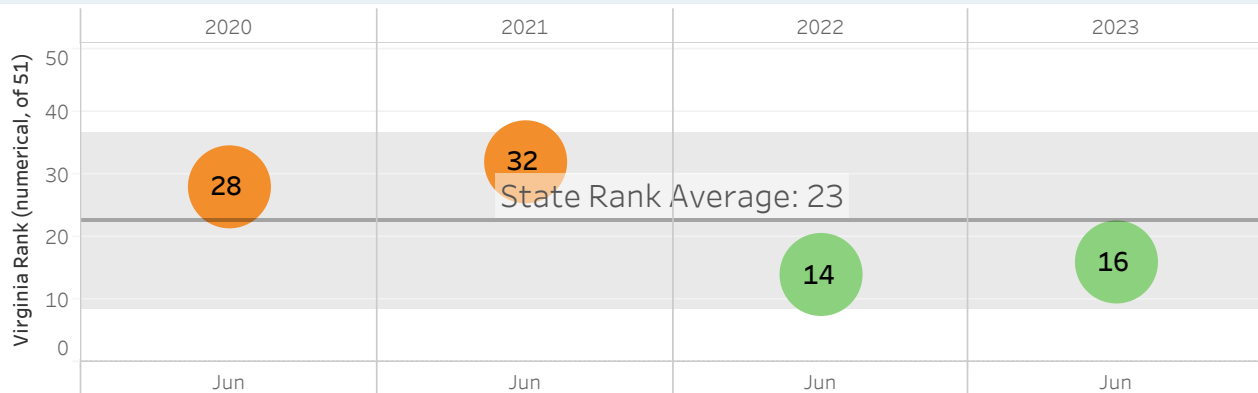
30-Day Readmissions- Chronic Obstructive Pulmonary Disease(COPD) | Readm COPD Trend - Virginia Trend  
Care Compare Release Date



Legend: Above National Rate (Red), At National Rate (Yellow), Below National Rate (Blue)

### 30-Day Readmissions- Chronic Obstructive Pulmonary Disease

| Readm COPD Rank Trend - State Rank Trend



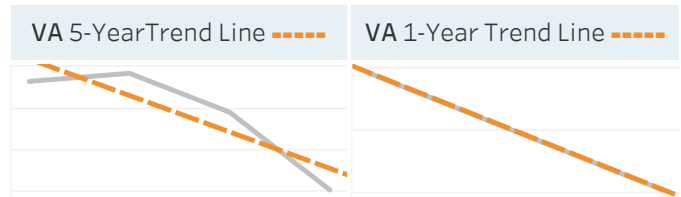
Legend: 2nd Quartile (Green), 3rd Quartile (Orange)

Reported as a risk-standardized readmission rate (RSRR). Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

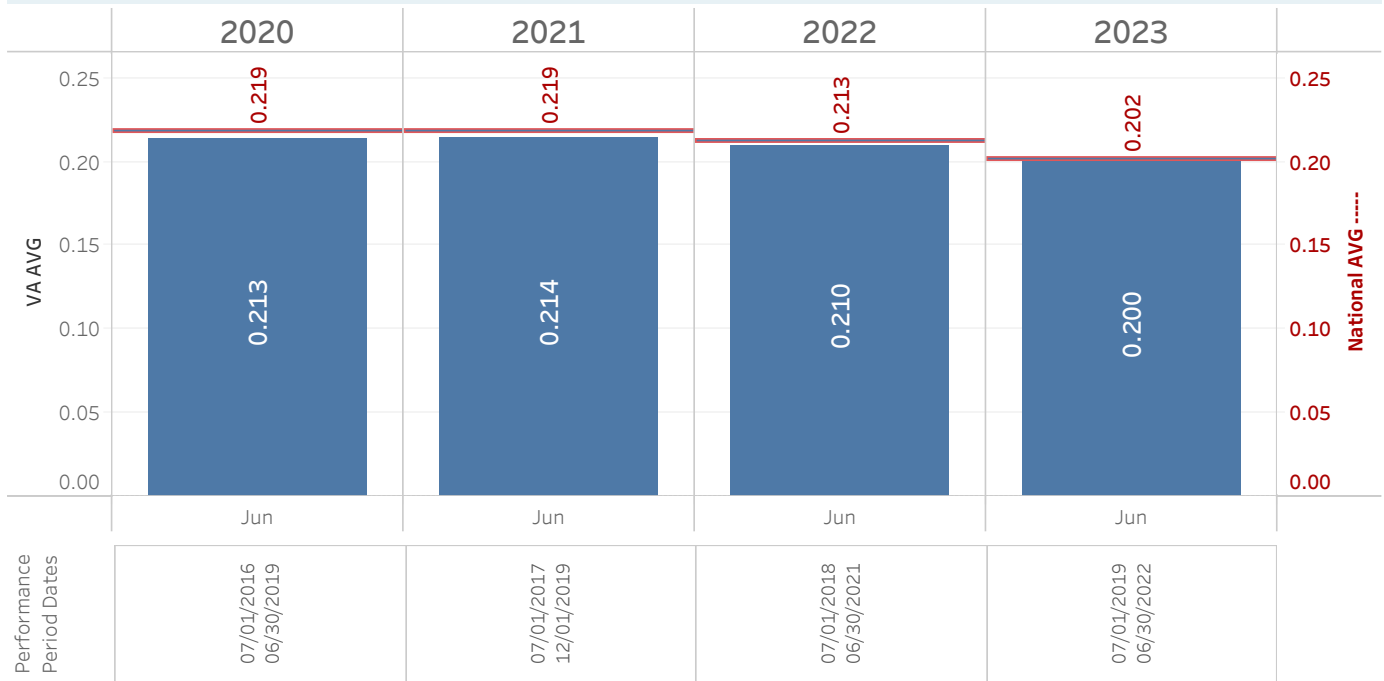
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

READM HF: 30-Day Readmissions  
Heart Failure

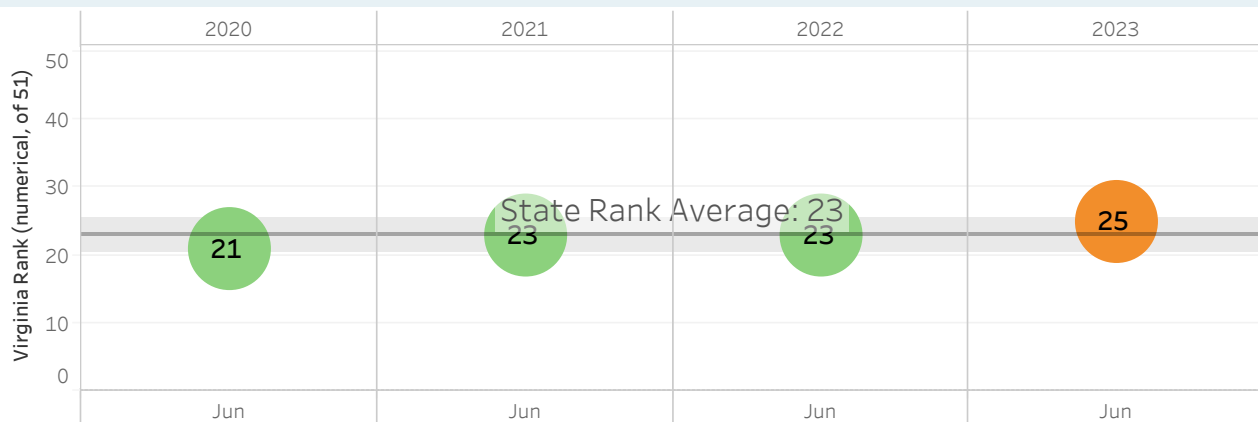


30-Day Readmissions- Heart Failure | Readm HF Trend - Virginia Trend  
Care Compare Release Date



Legend: Below National ..

30-Day Readmissions- Heart Failure | Readm HF Rank Trend - State Rank Trend



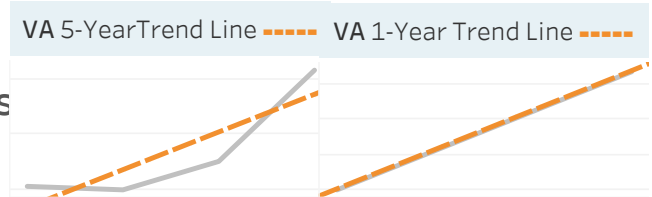
Legend: 2nd Quartile (green circle), 3rd Quartile (orange circle)

Reported as a risk-standardized readmission rate (RSRR). Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

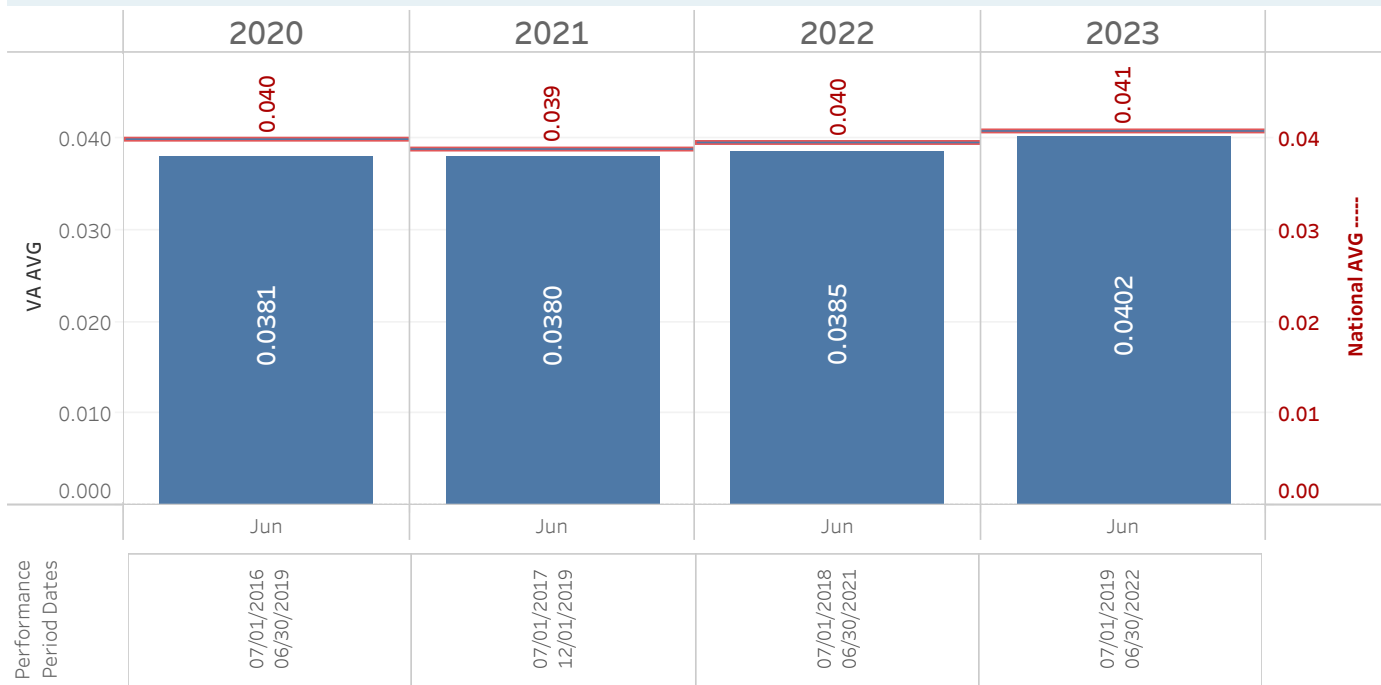
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

### READM THA/TKA: 30-Day Readmissions Hip and Knee Arthroplasty

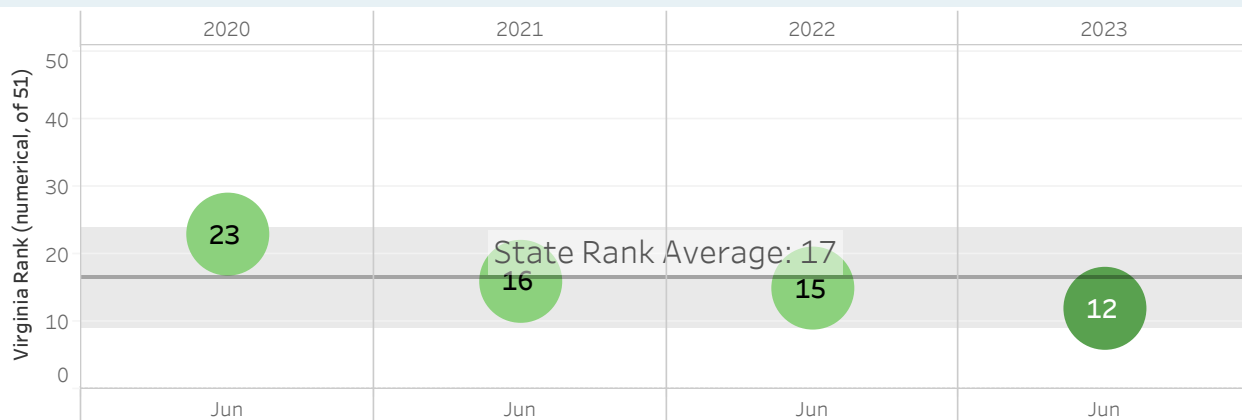


30-Day Readmissions- Hip and Knee Arthroplasty | Readm THA/TKA Trend - Virginia Trend  
Care Compare Release Date



Legend: Below National ..

30-Day Readmissions- Hip and Knee Arthroplasty | Readm THA/TKA Rank Trend - State Rank Trend



Legend: 1st Quartile, 2nd Quartile

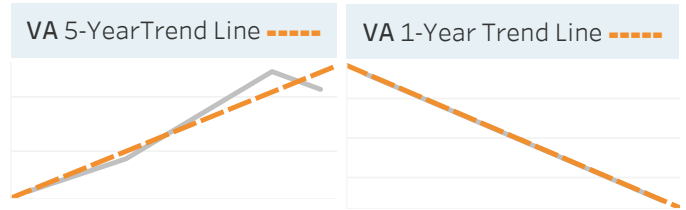
Reported as a risk-standardized readmission rate (RSRR). Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

# VHHA Quality and Patient Safety Dashboard

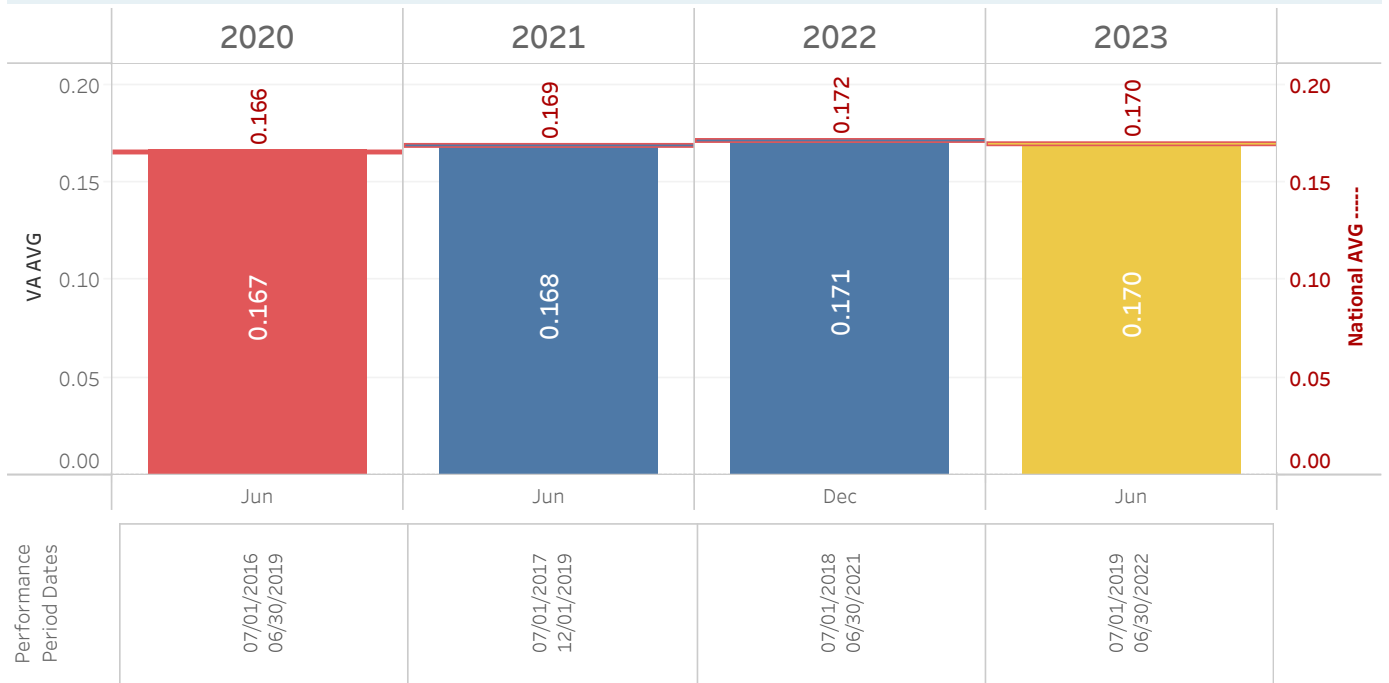
## Measure Detail

READM PN: 30-Day Readmissions

Pneumonia

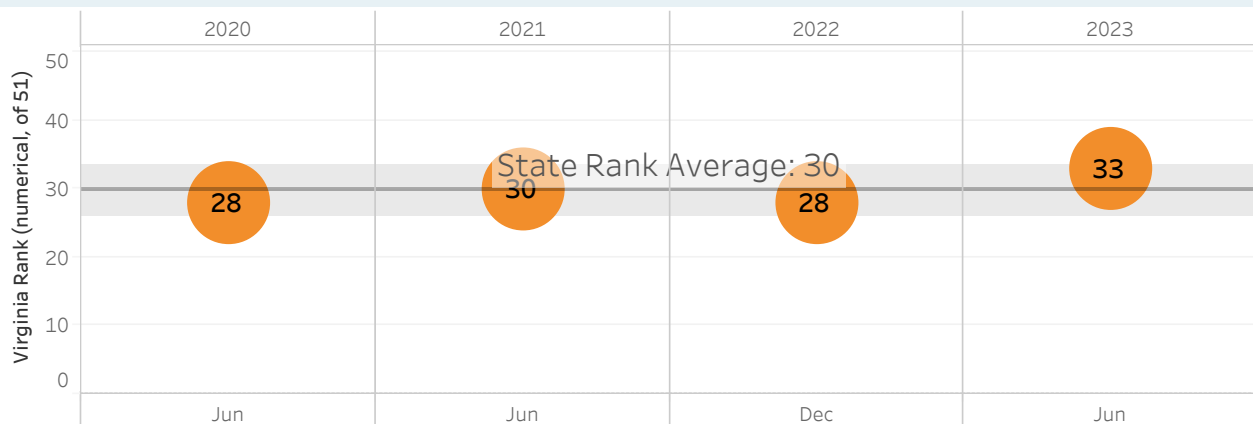


30-Day Readmissions- Pneumonia | Readm PN Trend - Virginia Trend  
Care Compare Release Date



Legend: Above National Rate (red), At National Rate (yellow), Below National Rate (blue)

30-Day Readmissions- Pneumonia | Readm PN Rank Trend - State Rank Trend



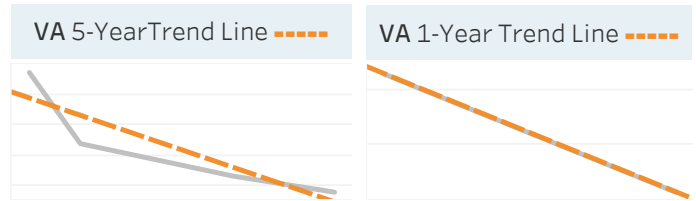
Legend: 3rd Quartile (orange circle)

Reported as a risk-standardized readmission rate (RSRR). Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

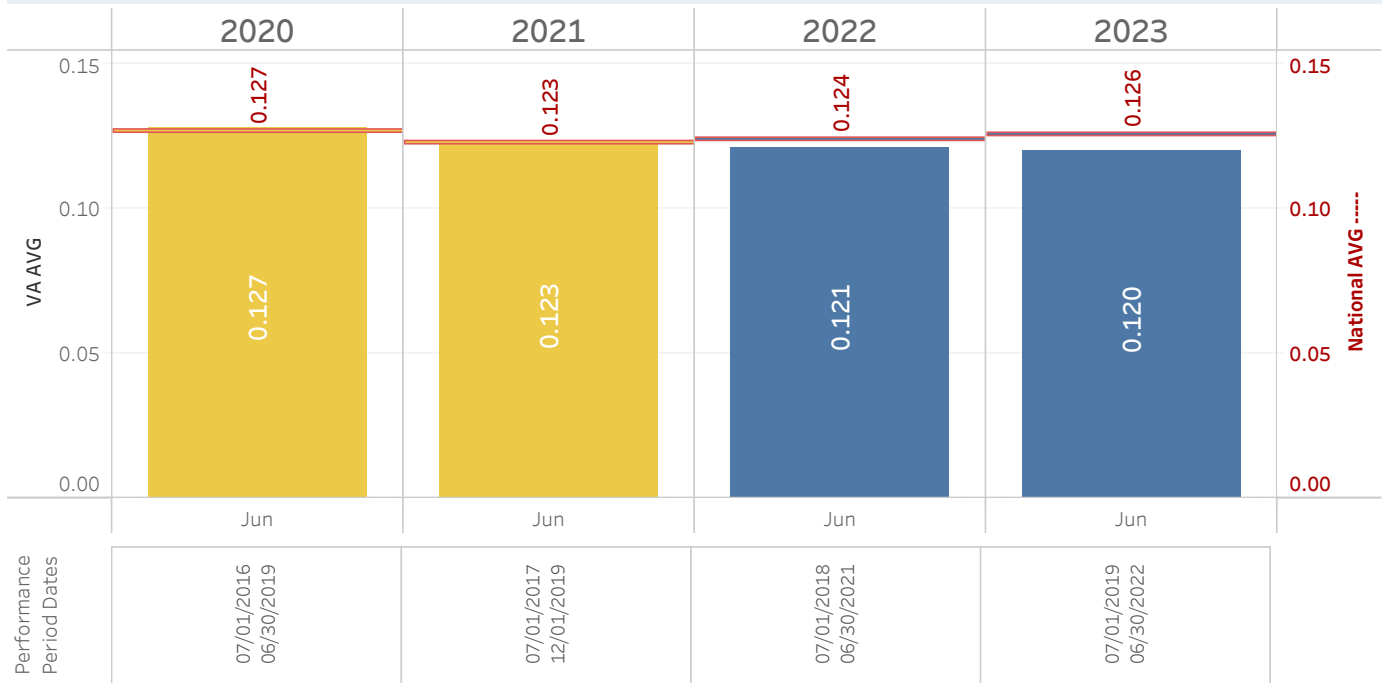
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

MORT AMI: 30-Day Mortality  
Acute Myocardial Infarction

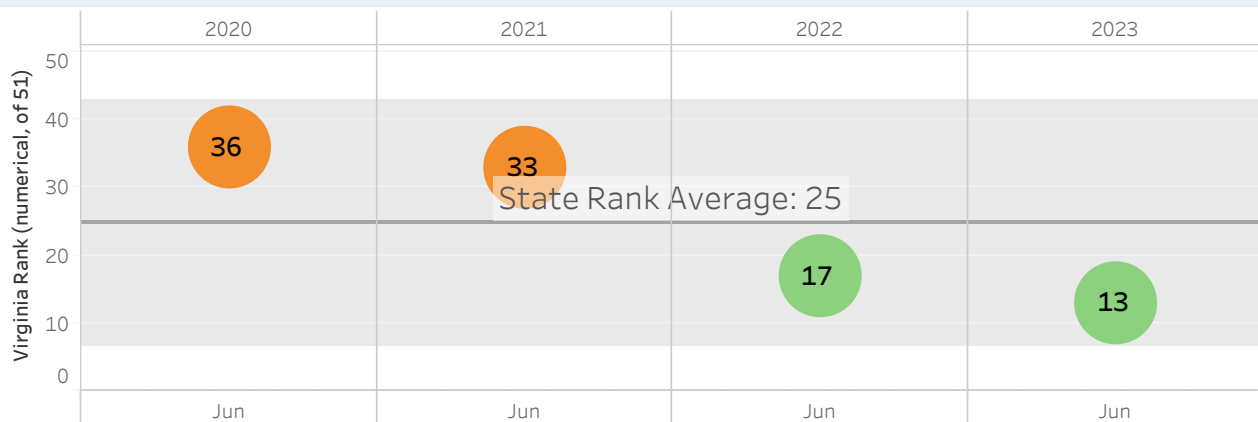


30-Day Mortality - Acute Myocardial Infarction | Mort AMI Trend - Virginia Trend  
Care Compare Release Date



Legend: ■ At National Rate ■ Below National Rate

30-Day Mortality- Acute Myocardial Infarction | Mort AMI Rank Trend - State Rank Trend



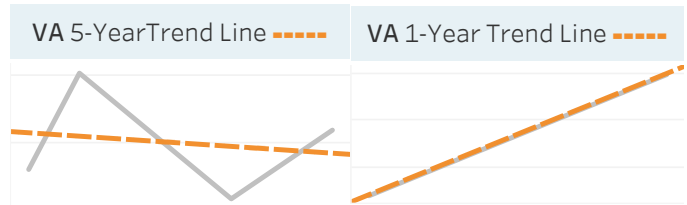
Legend: ■ 2nd Quartile ■ 3rd Quartile

Reported as a risk-standardized mortality rate (RSMR). Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

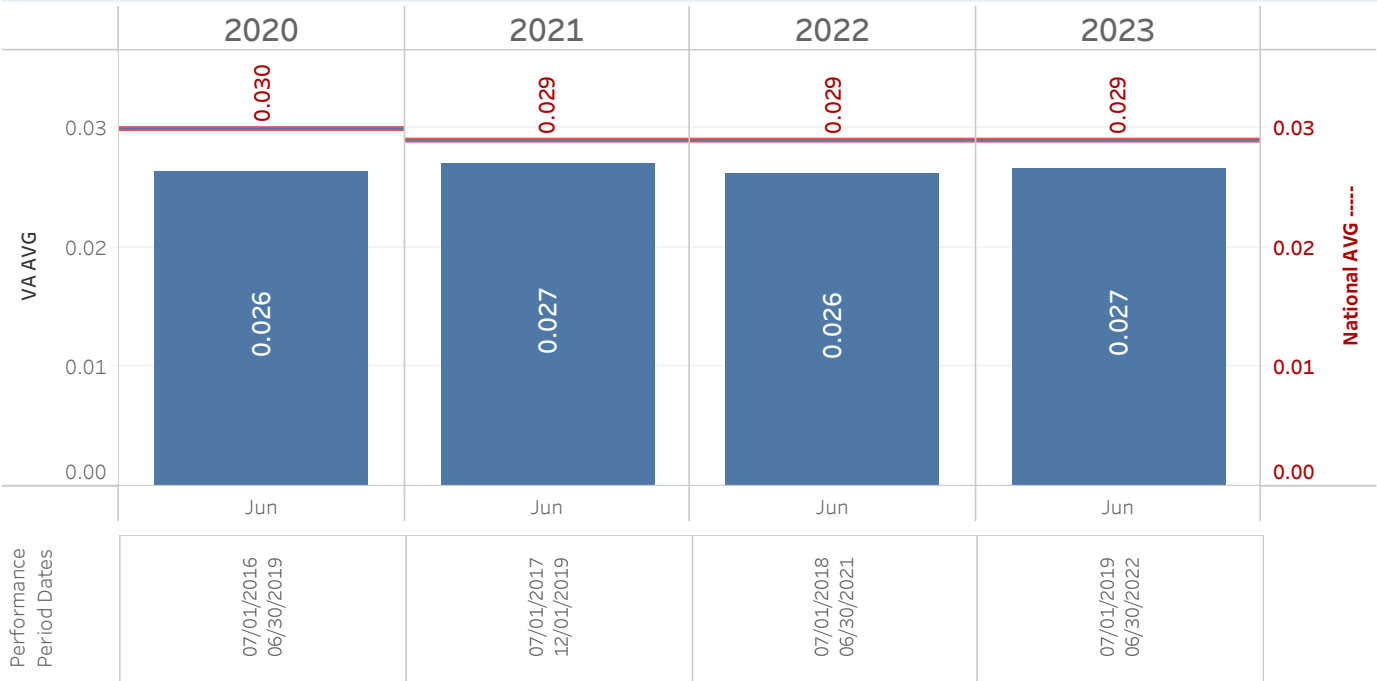
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

MORT CABG: 30-Day Mortality  
Coronary Artery Bypass Graft

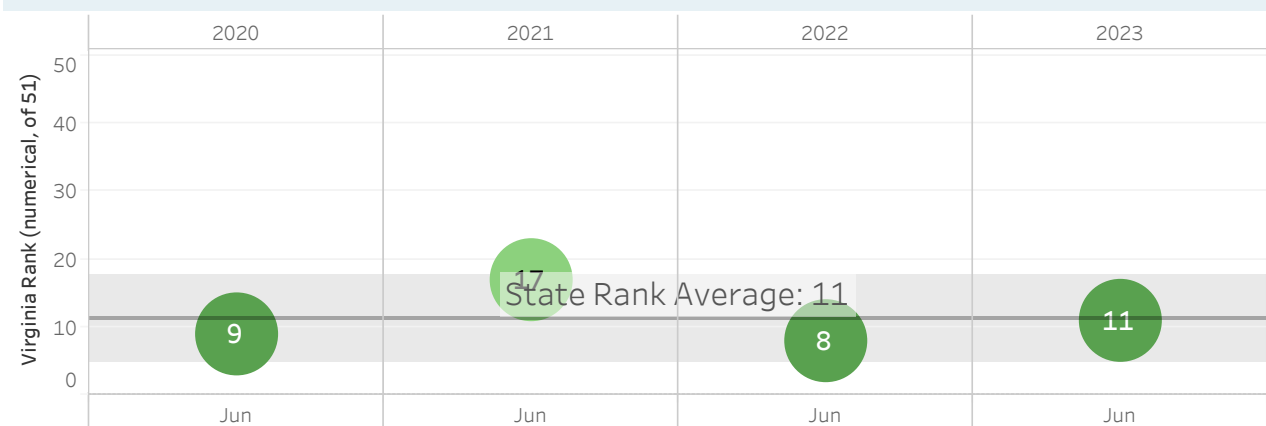


30-Day Mortality - Coronary Artery Bypass Graft | Mort CABG Trend - Virginia Trend  
Care Compare Release Date



Legend: Below National ..

30-Day Mortality- Coronary Artery Bypass Graft | Mort CABG Rank Trend - State Rank Trend



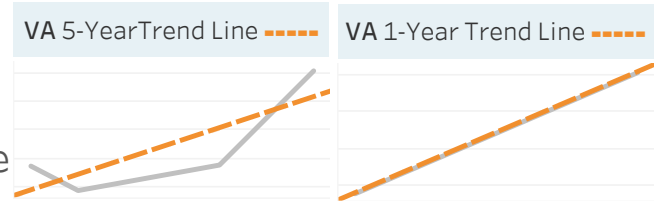
Legend: 1st Quartile, 2nd Quartile

Reported as a risk-standardized mortality rate (RSMR). Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

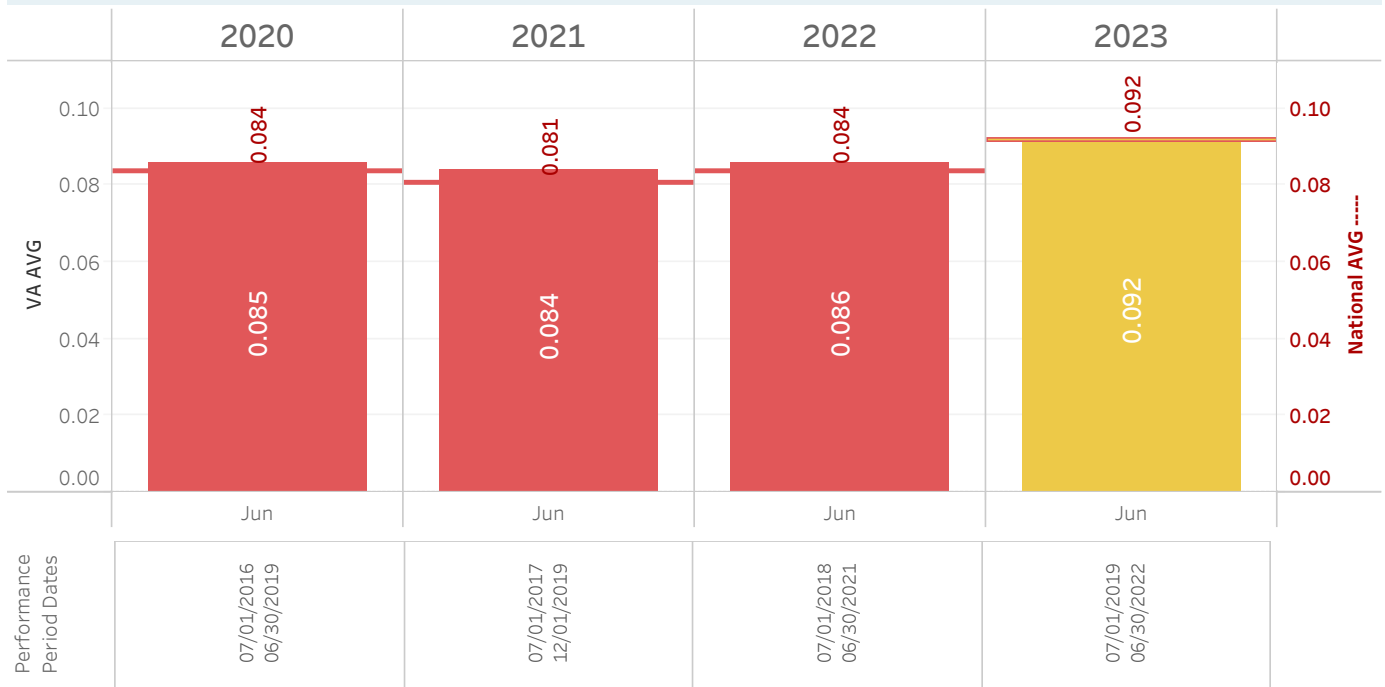
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

MORT COPD: 30-Day Mortality  
Chronic Obstructive Pulmonary Disease

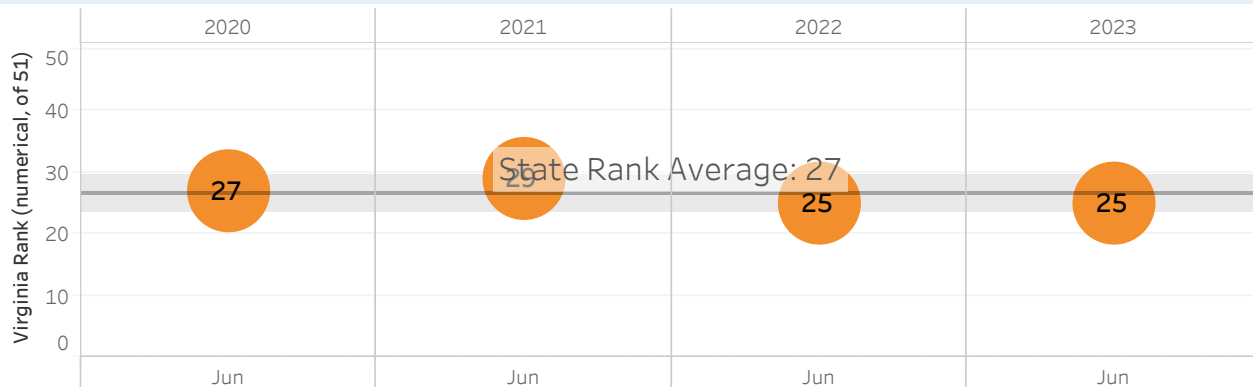


30-Day Mortality -Chronic Obstructive Pulmonary Disease (COPD) | Mort COPD Trend - Virginia Trend  
Care Compare Release Date



Legend: Above National Rate (Red), At National Rate (Yellow)

30-Day Mortality- Chronic Obstructive Pulmonary Disease  
| Mort COPD Rank Trend - State Rank Trend



Legend: 3rd Quartile (Orange)

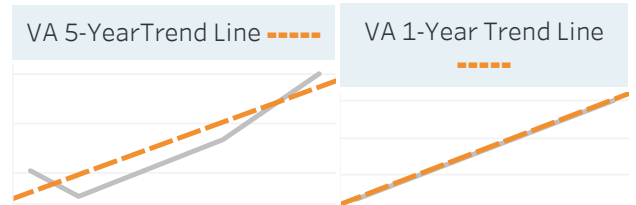
Reported as a risk-standardized mortality rate (RSMR). Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

# VHHA Quality and Patient Safety Dashboard

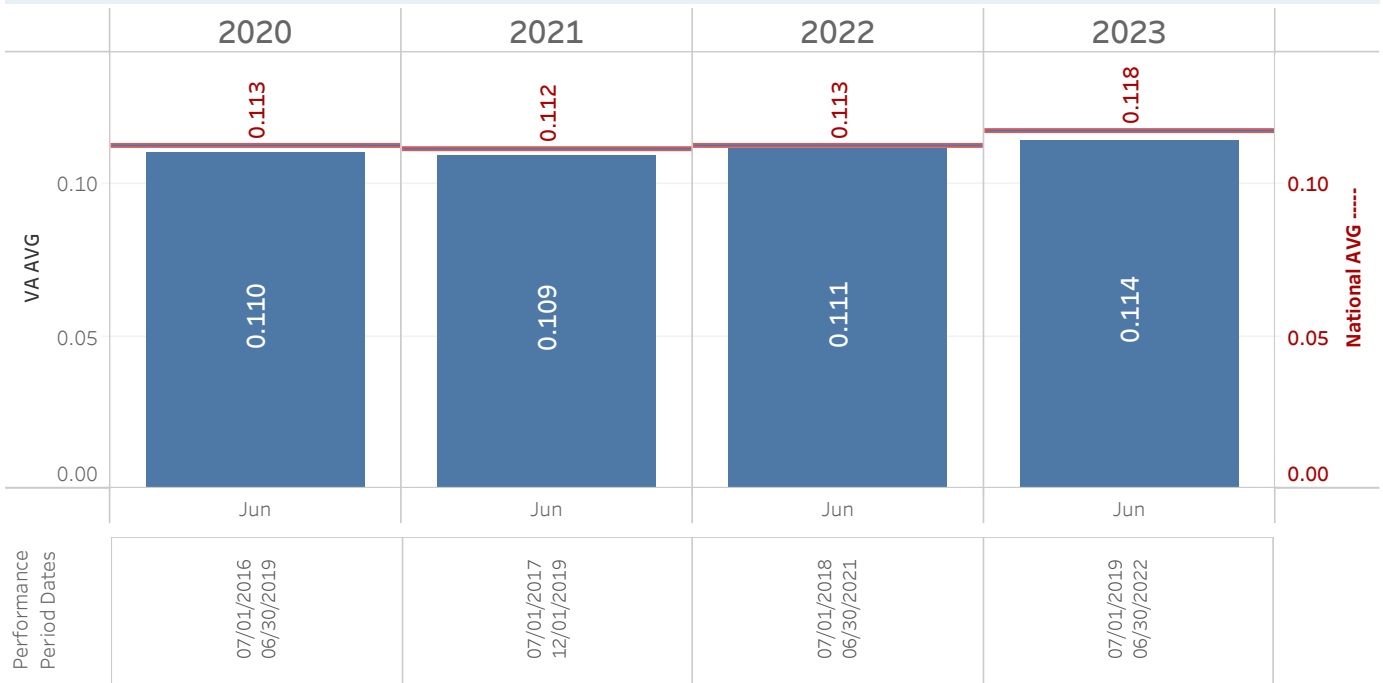
## Measure Detail

### MORT HF: 30-Day Mortality

### Heart Failure

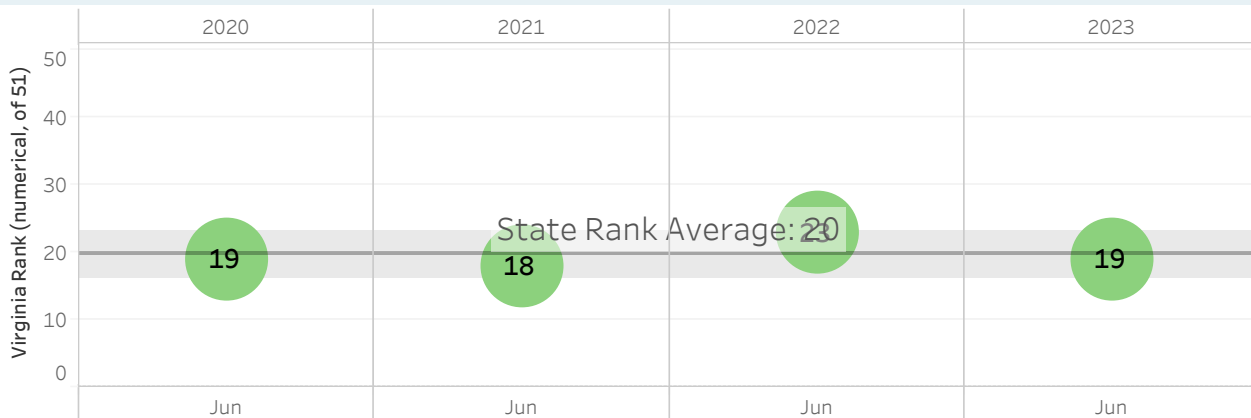


30-Day Mortality -Heart Failure | Mort HF Trend - Virginia Trend  
Care Compare Release Date



Legend: Below National ..

30-Day Mortality- Heart Failure | Mort HF Rank Trend - State Rank Trend



Legend: 2nd Quartile

Reported as a risk-standardized mortality rate (RSMR). Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

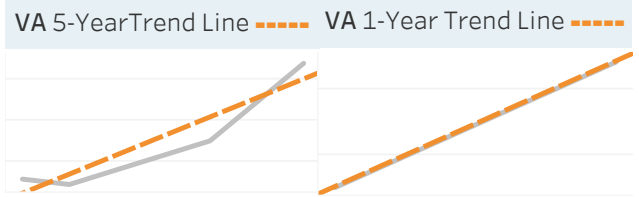


# VHHA Quality and Patient Safety Dashboard

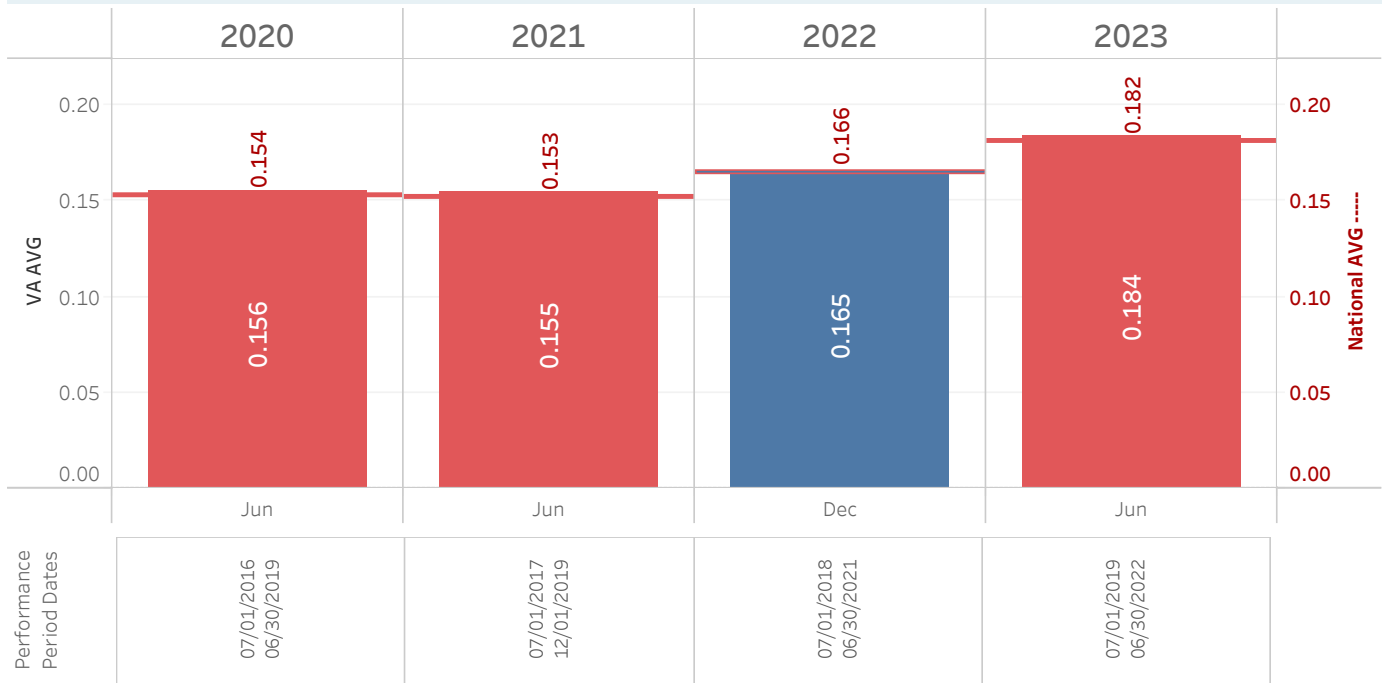
## Measure Detail

### MORT PN: 30-Day Mortality

#### Pneumonia

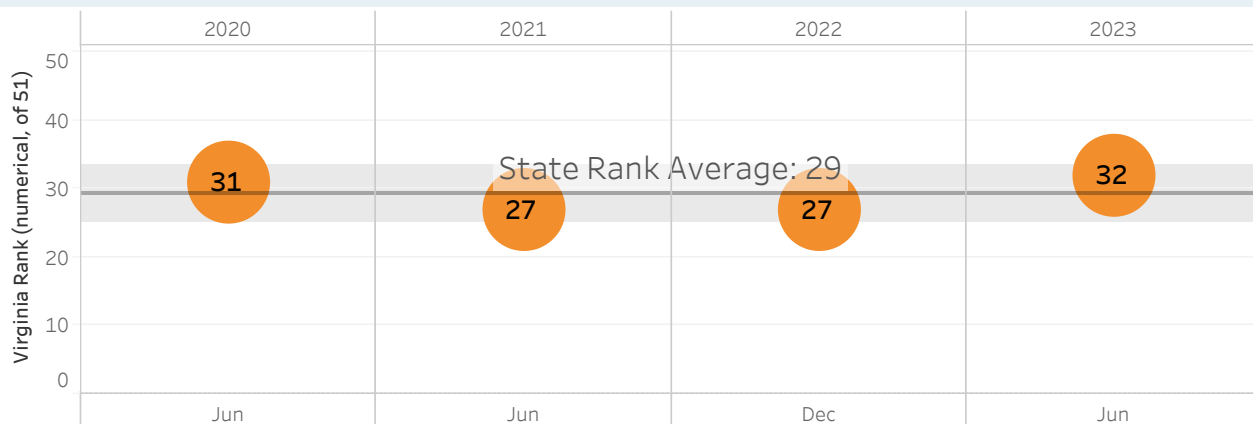


30-Day Mortality -Pneumonia | Mort PN Trend - Virginia Trend  
Care Compare Release Date



Legend: Above National Rate (Red), Below National Rate (Blue)

30-Day Mortality- Pneumonia | Mort PN Rank Trend - State Rank Trend



Legend: 3rd Quartile (Orange)

Reported as a risk-standardized mortality rate (RSMR). Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

# VHHA Quality and Patient Safety Dashboard

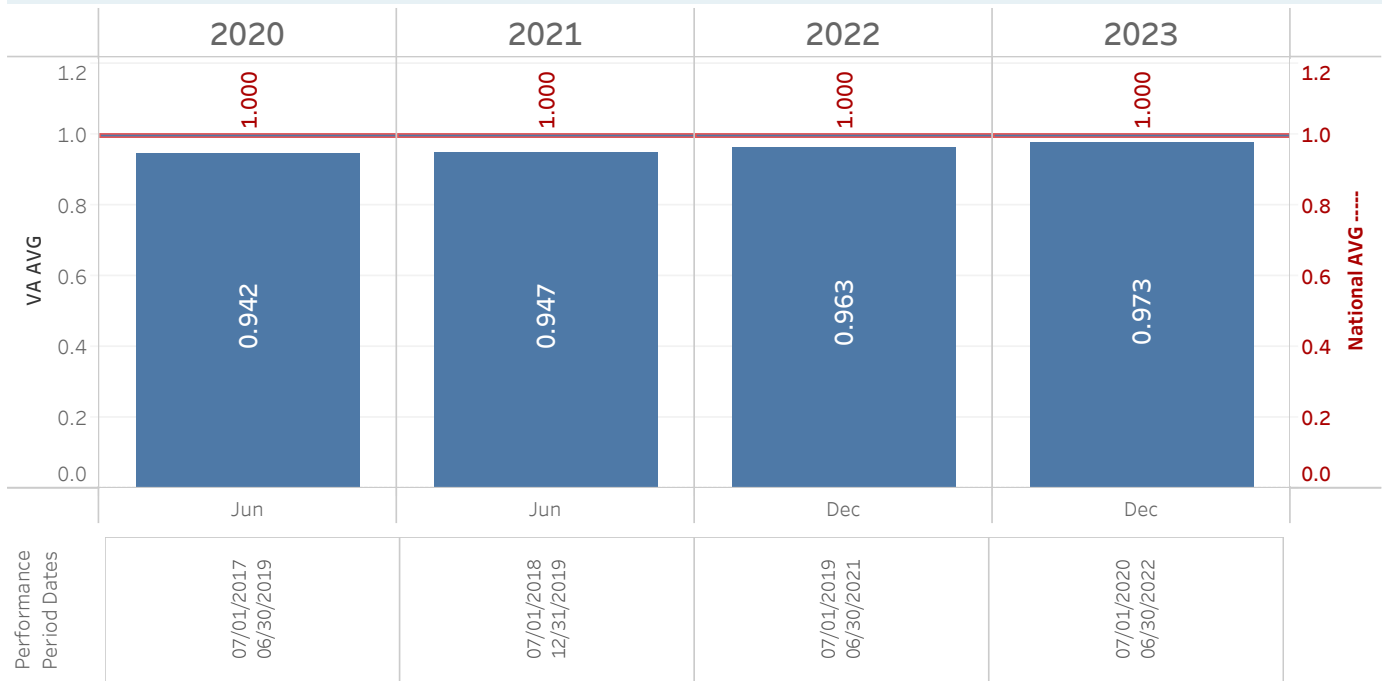
## Measure Detail

### PSI90: Patient Safety and Adverse Events Composite

VA 5-Year Trend Line

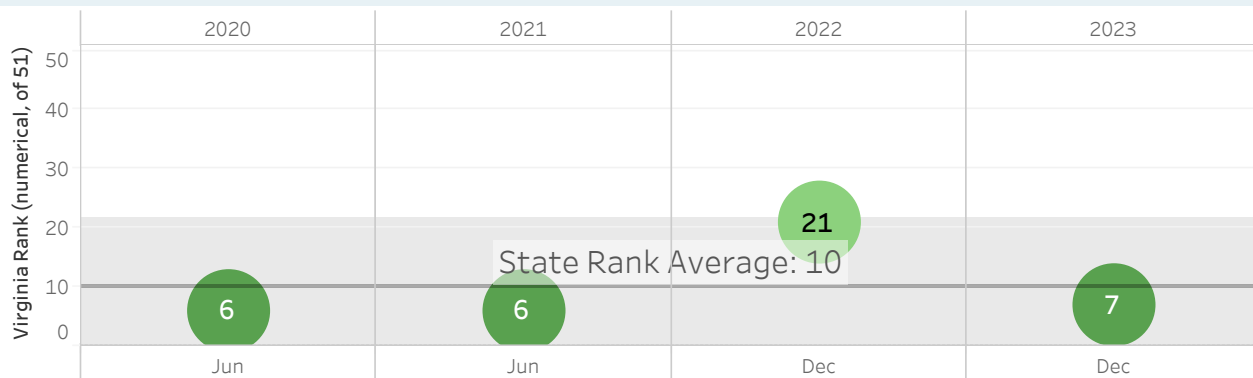
VA 1-Year Trend Line

Patient Safety and Adverse Events Composite | PSI90 Trend - Virginia Trend  
Care Compare Release Date



Legend: Below National ..

Patient Safety and Adverse Events Composite | PSI90 Rank Trend - State Rank Trend



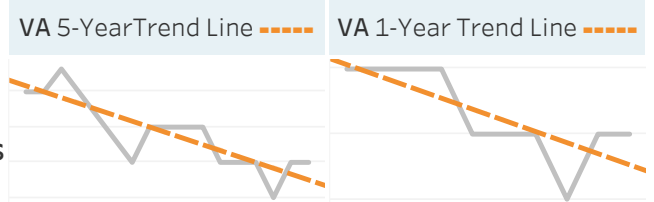
Legend: 1st Quartile, 2nd Quartile

PSI 90 is comprised of 10 component measures that include; PSI 03, PSI 06, and PSI 08-15. Full methodology of PSI90 can be found here: [https://qualityindicators.ahrq.gov/Downloads/Modules/PSI/V2023/PSI\\_Composite\\_Measures.pdf](https://qualityindicators.ahrq.gov/Downloads/Modules/PSI/V2023/PSI_Composite_Measures.pdf). Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

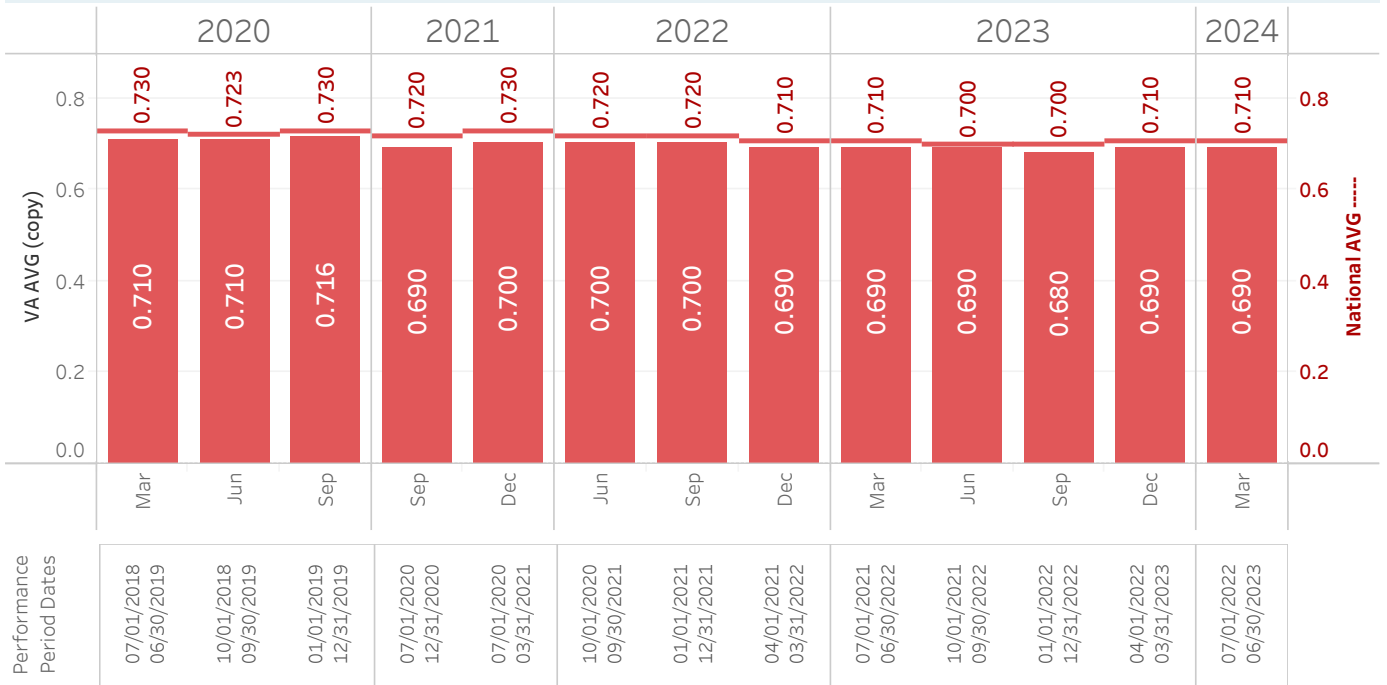
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

HCAHPS Overall: Hospital Consumer Assessment of Healthcare Providers and Systems



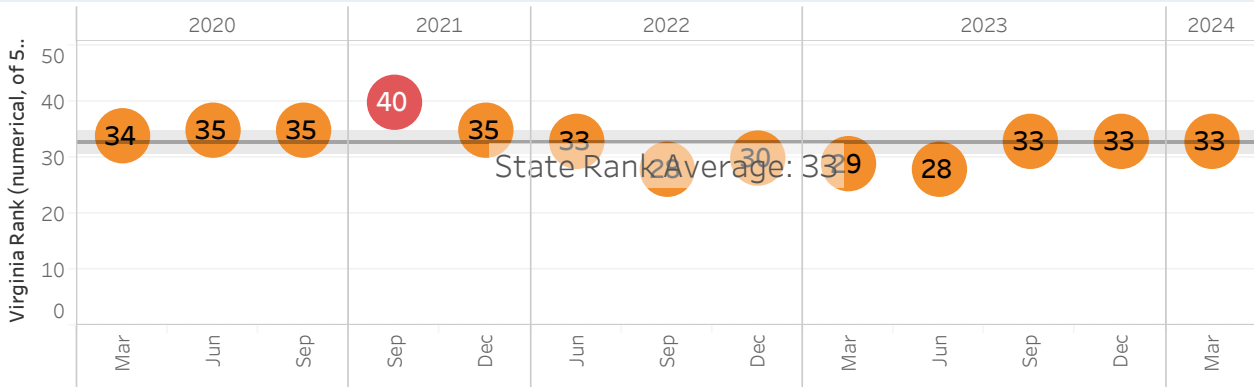
HCAHPS Overall Score | HCAHPS Overall Trend - Virginia Trend  
Care Compare Release Date



Legend ■ Below National ..

## HCAHPS Overall Score

| HCAHPS Rank Trend - State Rank Trend



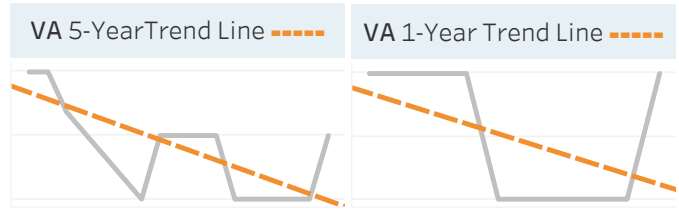
Legend ● 3rd Quartile ● 4th Quartile

HCAHPS Overall Score (Question 18 on survey) Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

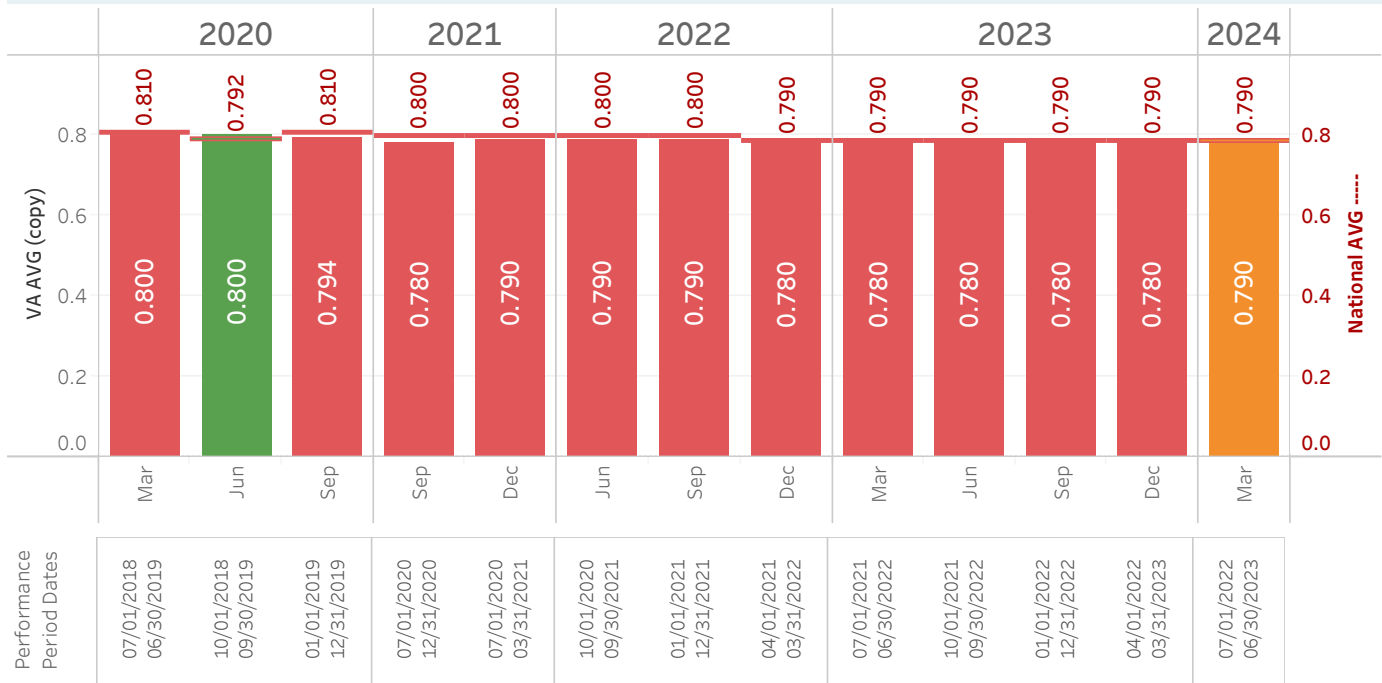
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

HCAHPS Nurse Communication: Hospital Consumer Assessment of Healthcare Providers and Systems



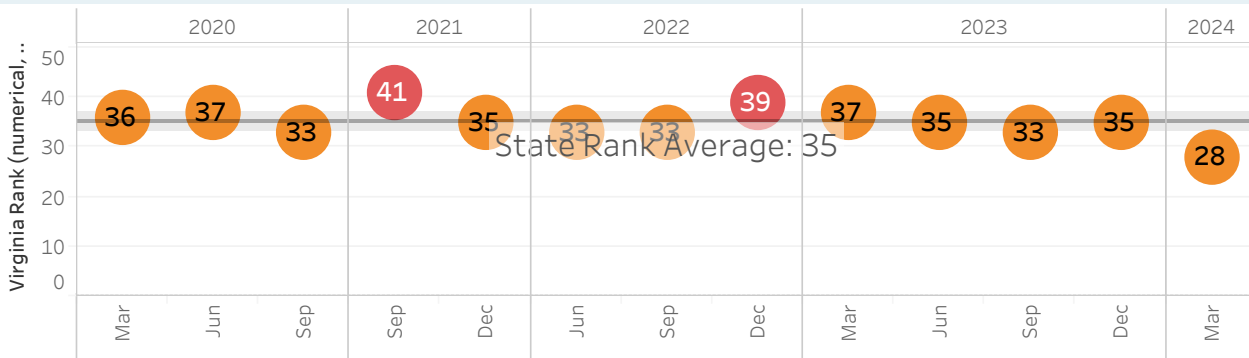
HCAHPS: Nurse Communication | HCAHPS Nurse Comm. Trend - Virginia Trend  
Care Compare Release Date



Legend: Above National Rate (Green), At National Rate (Orange), Below National Rate (Red)

## HCAHPS: Nurse Communication

| HCAHPS Nurse Communication Rank Trend - State Rank Trend



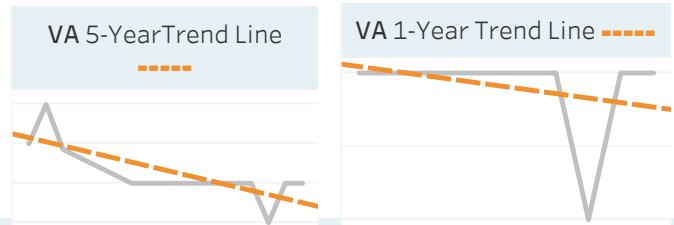
Legend: 3rd Quartile (Orange), 4th Quartile (Red)

HCAHPS Nurse Communication – Composite of Questions 1, 2, and 3 on survey. Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

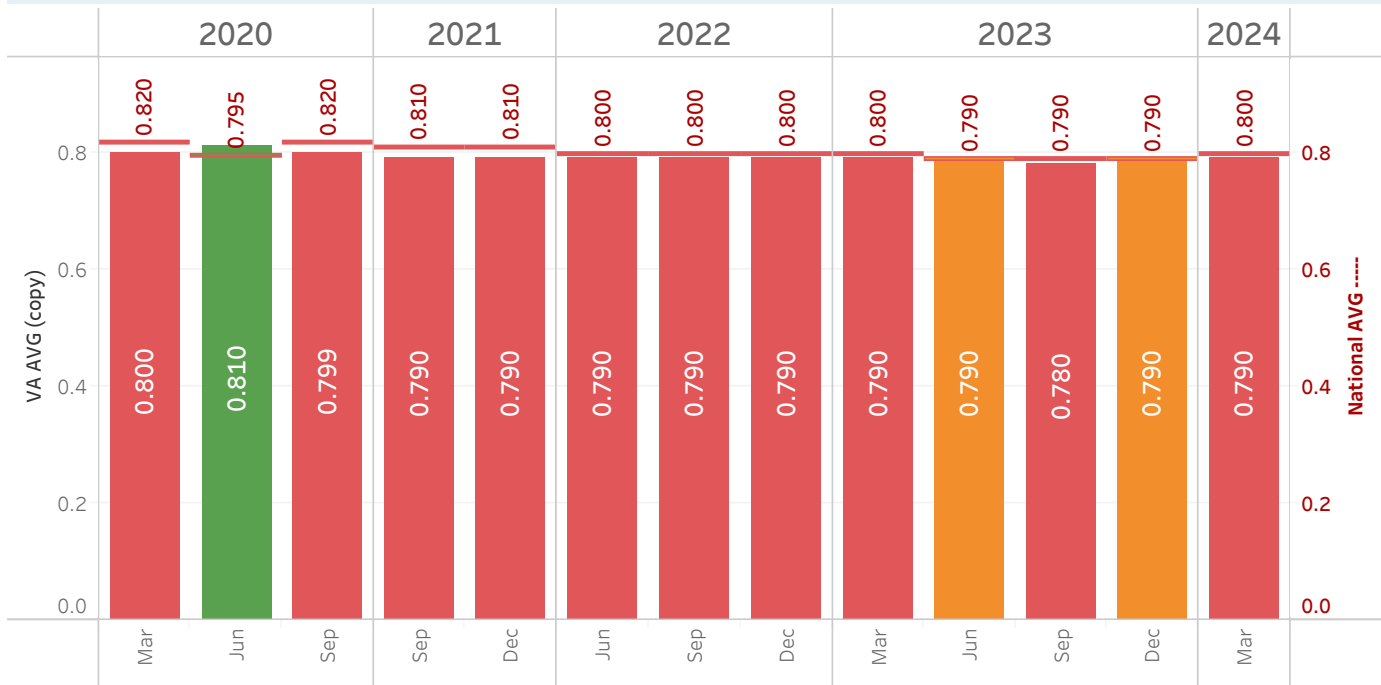
# VHHA Quality and Patient Safety Dashboard

## Measure Detail

HCAHPS Doctor Communication: Hospital Consumer Assessment of Healthcare Providers and Systems

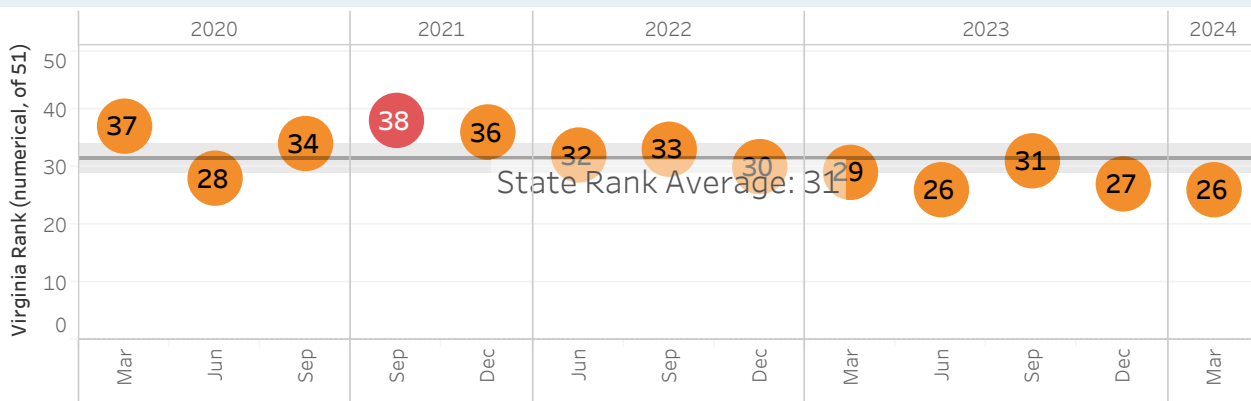


HCAHPS: Doctor Communication | HCAHPS Doctor Comm. Trend - Virginia Trend  
Care Compare Release Date



Legend: Above National Rate (Green), At National Rate (Orange), Below National Rate (Red)

HCAHPS: Doctor Communication | HCAHPS Doctor Communication Rank Trend - State Rank Trend



Legend: 3rd Quartile (Orange), 4th Quartile (Red)

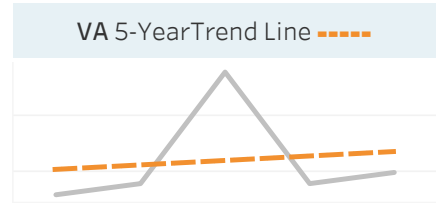
HCAHPS Doctor Communication – Composite of Questions 5, 6, and 7 on survey Data Source: DataGen Care Compare Data. Produced by VHHA Analytics

# VHHA Quality and Patient Safety Dashboard

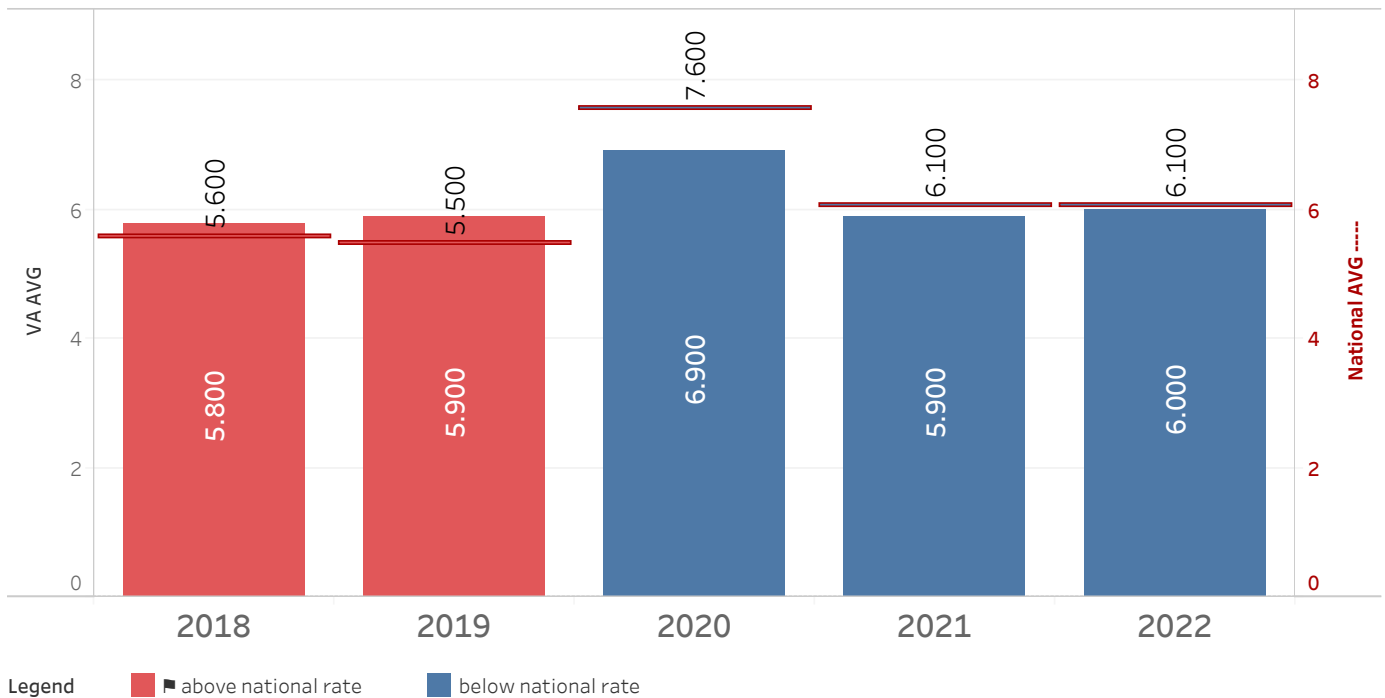


## Measure Detail

TCIR : Total Case Incident Rate



TCIR | TCIR Trends - Virginia Performance Trend  
Release Date



Ranking Data not Available

**TCIR:** The Total Case Incident Rate (TCIR) measures the frequency of work-related injuries and illnesses within a specified time period, typically expressed per 100 full-time employees. It serves as a comprehensive indicator of occupational health and safety performance, encompassing all recordable incidents, including both minor injuries and more serious incidents. Reported as a standardized rate, TCIR enables comparisons across organizations and industries, providing insights into workplace safety practices and risk management efforts, with lower rates indicating better safety outcomes. **Data Source:** Bureau of Labor Statistics. **Measurement Periods:** The performance period is the calendar year preceding the data release date listed. Produced by VHHA Analytics

# VHHA Quality and Patient Safety Dashboard



## Measure Detail

### Leapfrog Hospital Safety Grades

#### Leapfrog Hospital Safety Grades Release Date

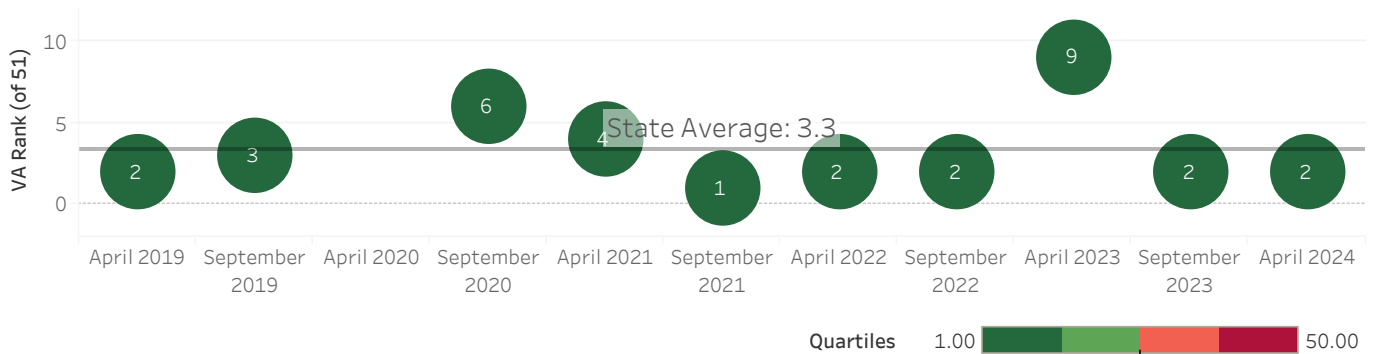
Grade	April 2019	September 2019	April 2020	September 2020	April 2021	September 2021	April 2022	September 2022	April 2023	September 2023	April 2024
<b>A</b>	50.79%	56.92%	53.85%	50.77%	50.77%	57.75%	59.15%	52.17%	38.57%	50.72%	56.34%
<b>B</b>	23.81%	27.69%	23.08%	26.15%	27.69%	23.94%	21.13%	30.43%	40.00%	30.43%	25.35%
<b>C</b>	22.22%	12.31%	18.46%	20.00%	18.46%	16.90%	15.49%	15.94%	21.43%	17.39%	16.90%
<b>D</b>	3.17%	3.08%	4.62%	3.08%	3.08%	1.41%	4.23%	1.45%	0.00%	1.45%	1.41%
<b>F</b>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%



#### Leapfrog Hospital Safety Grades | Total Hospital Survey Responses

April 2019	September 2019	April 2020	September 2020	April 2021	September 2021	April 2022	September 2022	April 2023	September 2023	April 2024
63	65	65	65	65	71	71	69	70	69	71

#### Leapfrog Safety Grades | Leapfrog state Rank - State Rank Trend



Reported semi-annually, typically occurring in spring (April to June) and fall (October to December), Leapfrog survey grades offer insights into.  
**Data Source:** Leapfrog Group Survey Results. Produced by VHHA Analytics

# VHHA Quality and Patient Safety Dashboard



CMS Star Rating Average Score (of 5 stars)

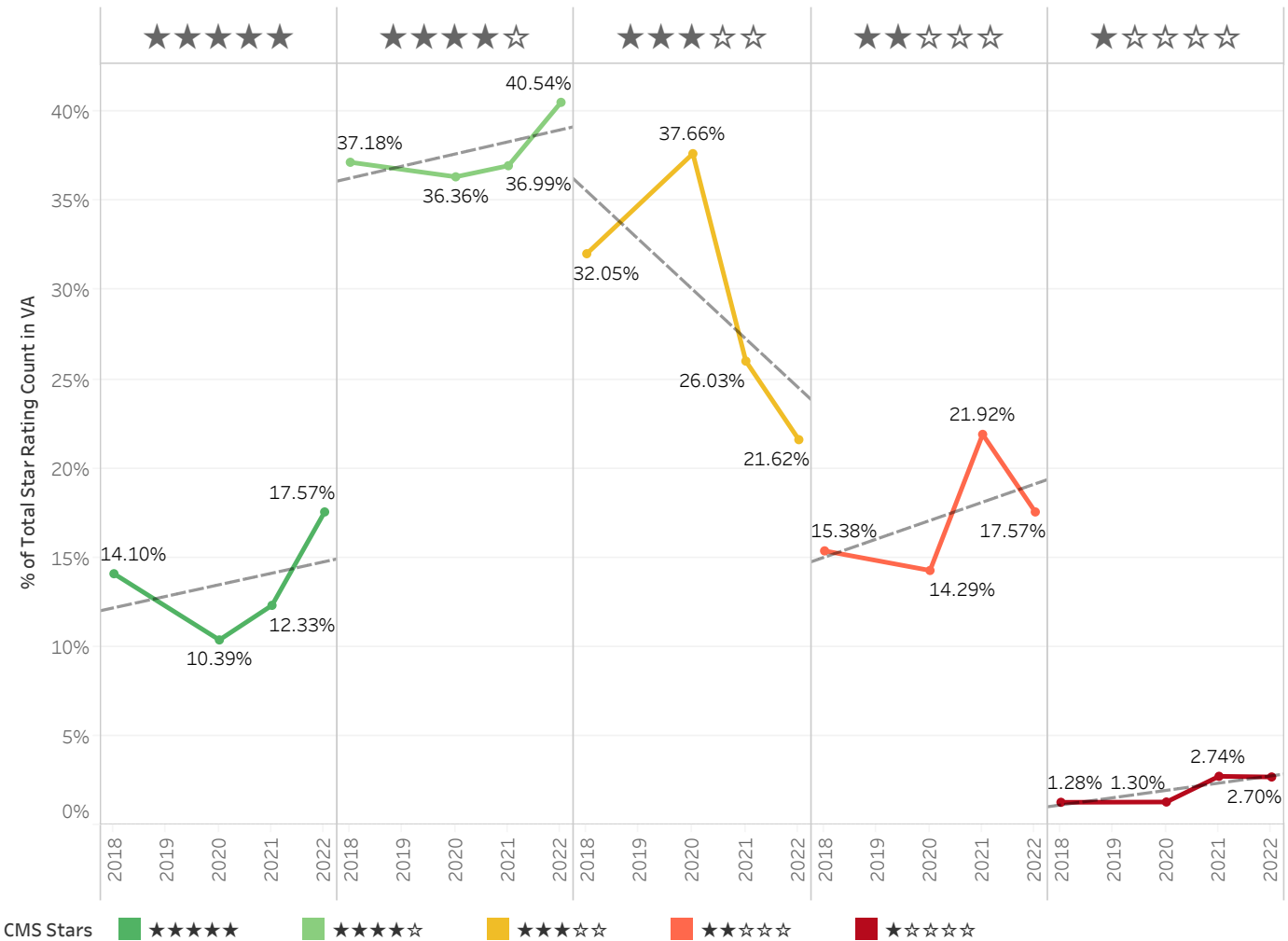
## Measure Detail

### CMS Star Ratings

2019	2021	2022	2023
3.474	3.403	3.342	3.527

### Centers for Medicare & Medicaid Services (CMS) Star Ratings

| CMS Star Ratings Trends - Virginia Benchmark Rate Trend



### Centers for Medicare & Medicaid Services (CMS) Star Ratings | Total Hospital Survey Responses

2019	2021	2022	2023
78	77	73	74

Data Source: CMS Quality Reporting Programs. Measurement Period: The performance period is the calendar year preceding the data release date listed. | Produced by VHHA Analytics