

Society of Thoracic Surgeons Adult Cardiac Surgery Database

Quality Improvement Series: Decreasing Vent Times Internal Data Review – Harvest 3

October 18, 2023

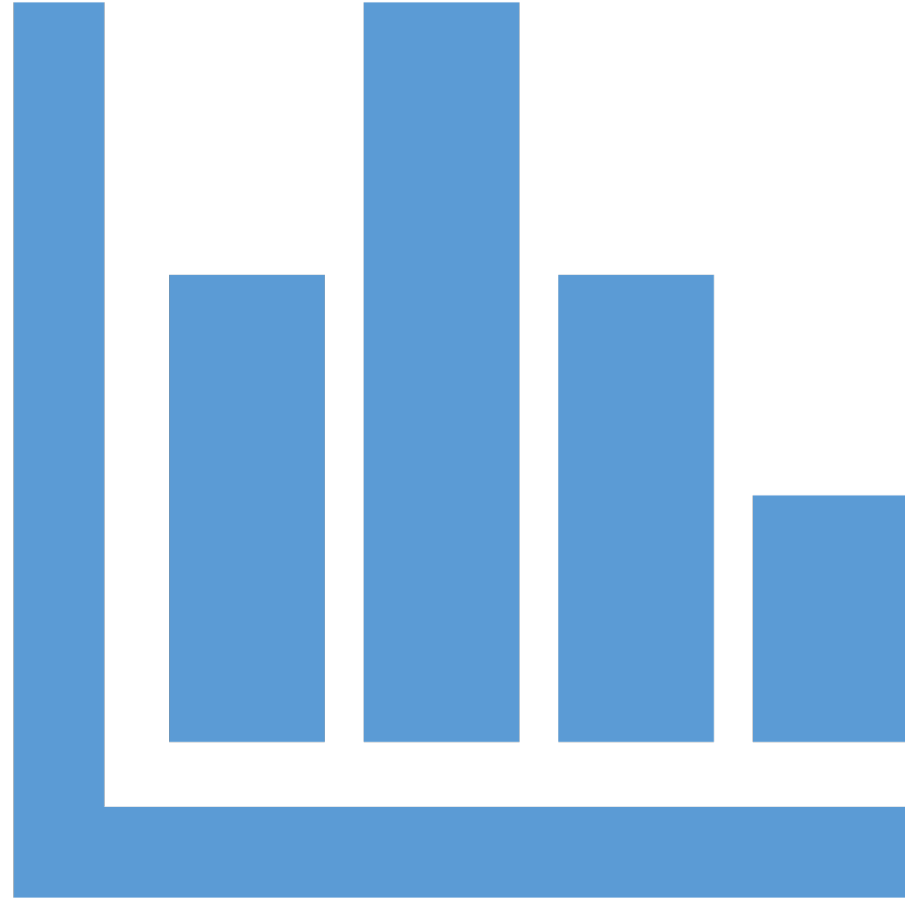


Agenda

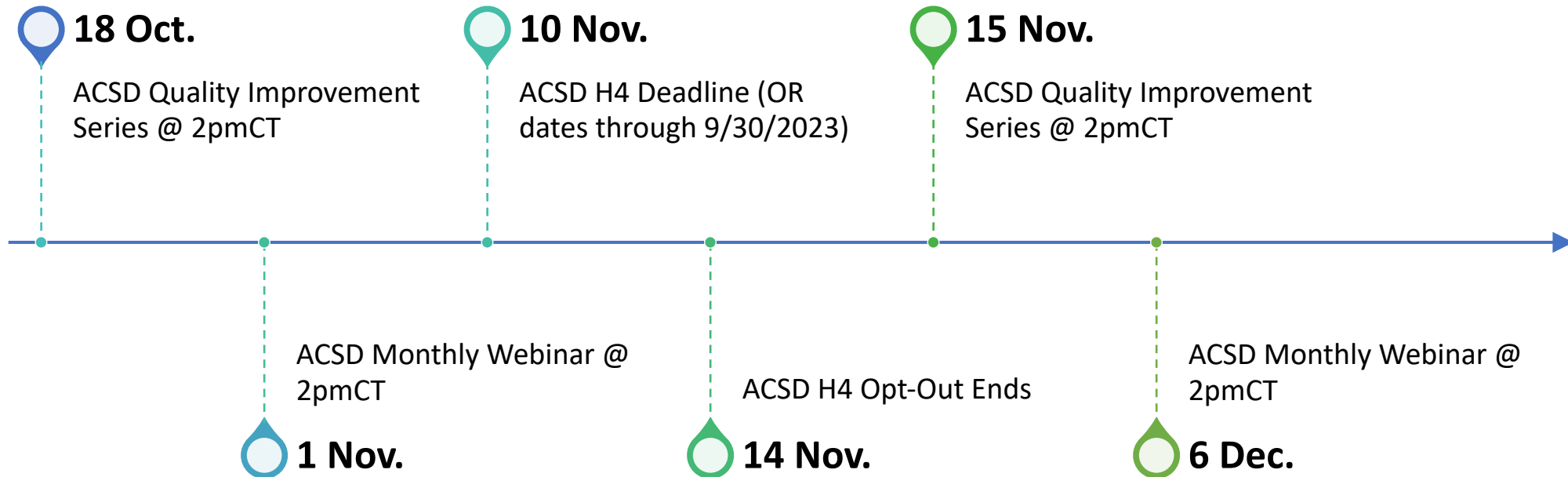
**WELCOME AND
INTRODUCTIONS**

**REVIEW H3
REPORTS**

Polling

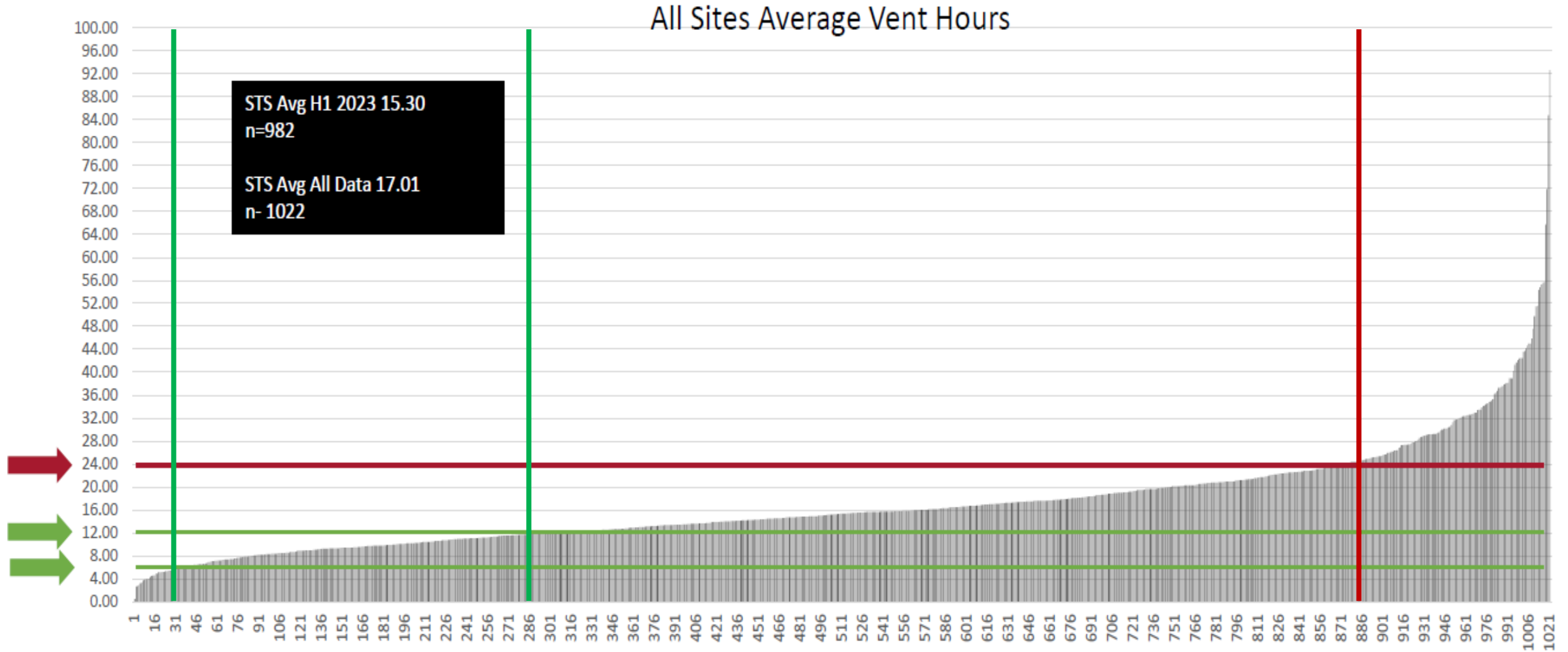


Important Dates for Adult Cardiac



Where we WERE at... Harvest 1 2023

Isolated CABG – ProcID 1

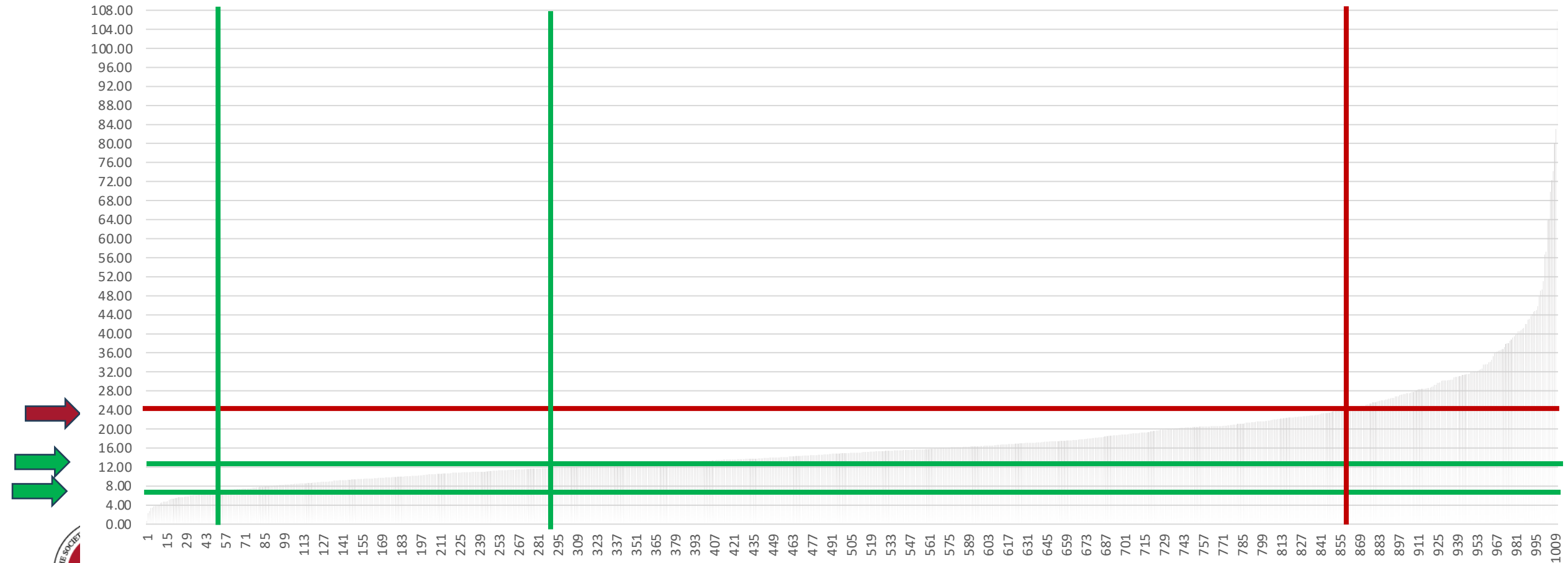


ProcID 1
STS Avg H3 – 14.42 (15.30 H1)
927 sites
 $n = 449053$

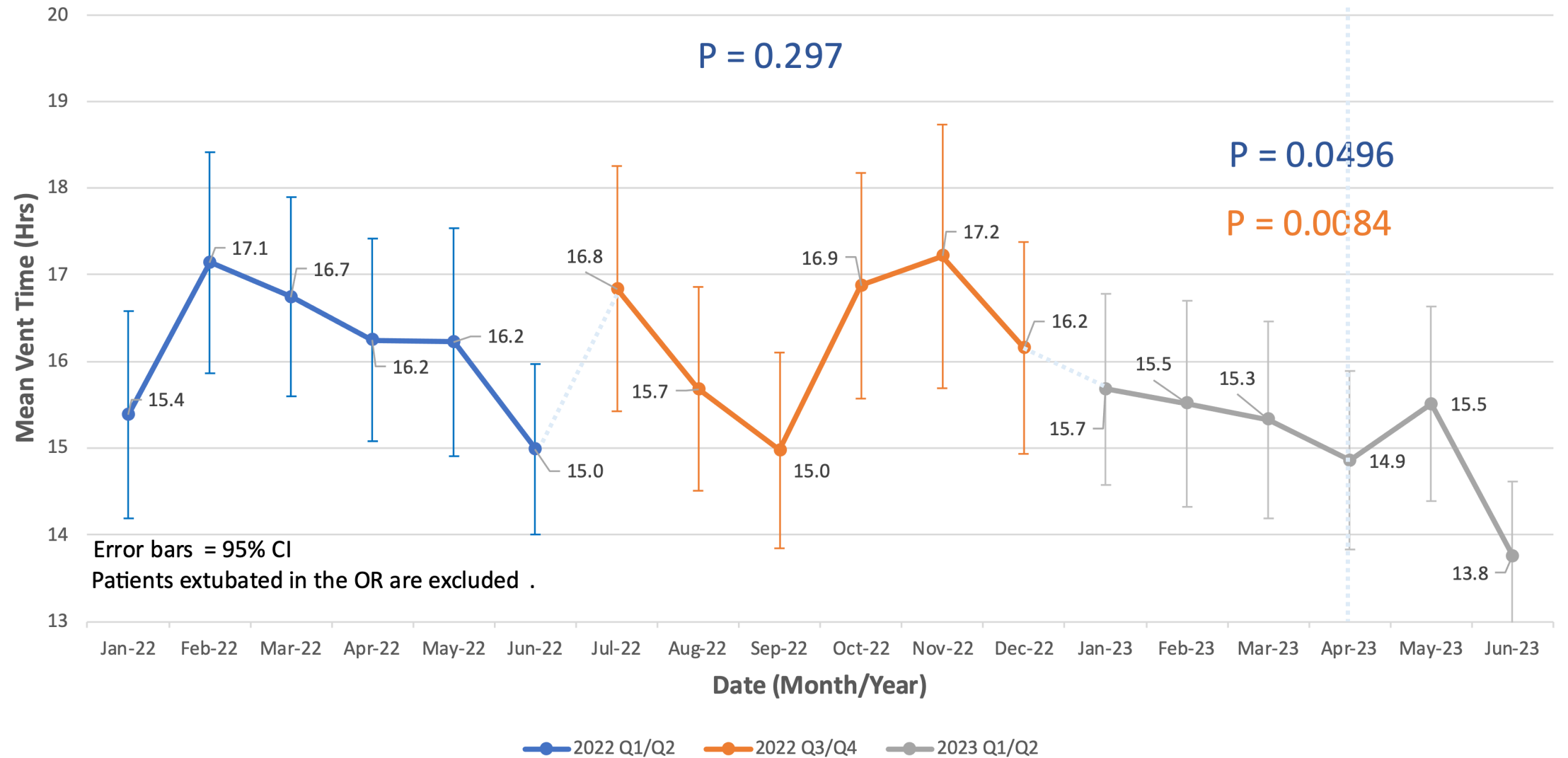
All Avg STS Data =
17.11
1011 sites
 $n = 459061$

Where we are at for H3 2023

Avg Vent Time



Mechanical Ventilation Hours VS Time (ProcID 1)



P values shown on the graphs reflect results of difference in difference analysis comparing slopes across the three six month time frames (2022 Q1/Q2, 2022 Q3/Q4, and 2023 Q1/Q2)



Where we were at...

Isolated CABG Case Volume for 36-month analytic window

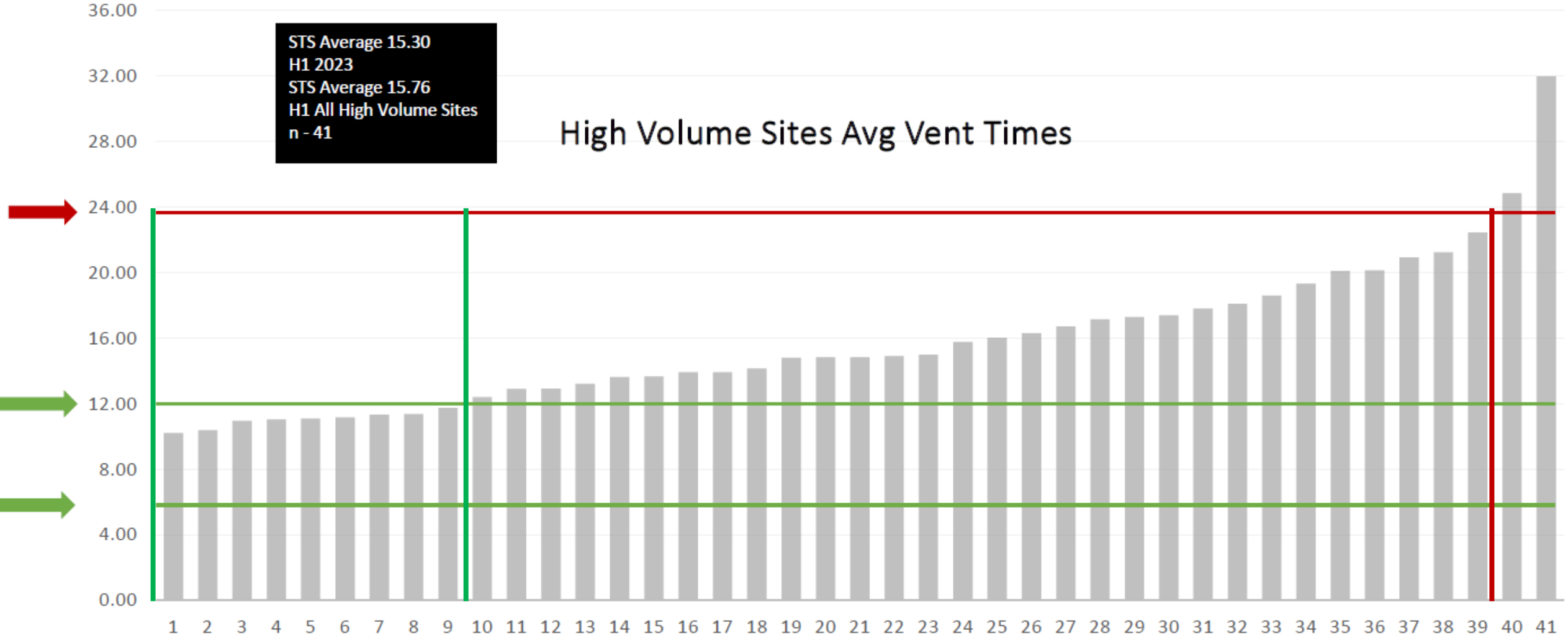
High Volume – 1200 or more

Moderate Volume – 600-1199

Low Volume – 0-599

STS Average 15.30
H1 2023
STS Average 15.76
H1 All High Volume Sites
n - 41

High Volume Sites Avg Vent Times

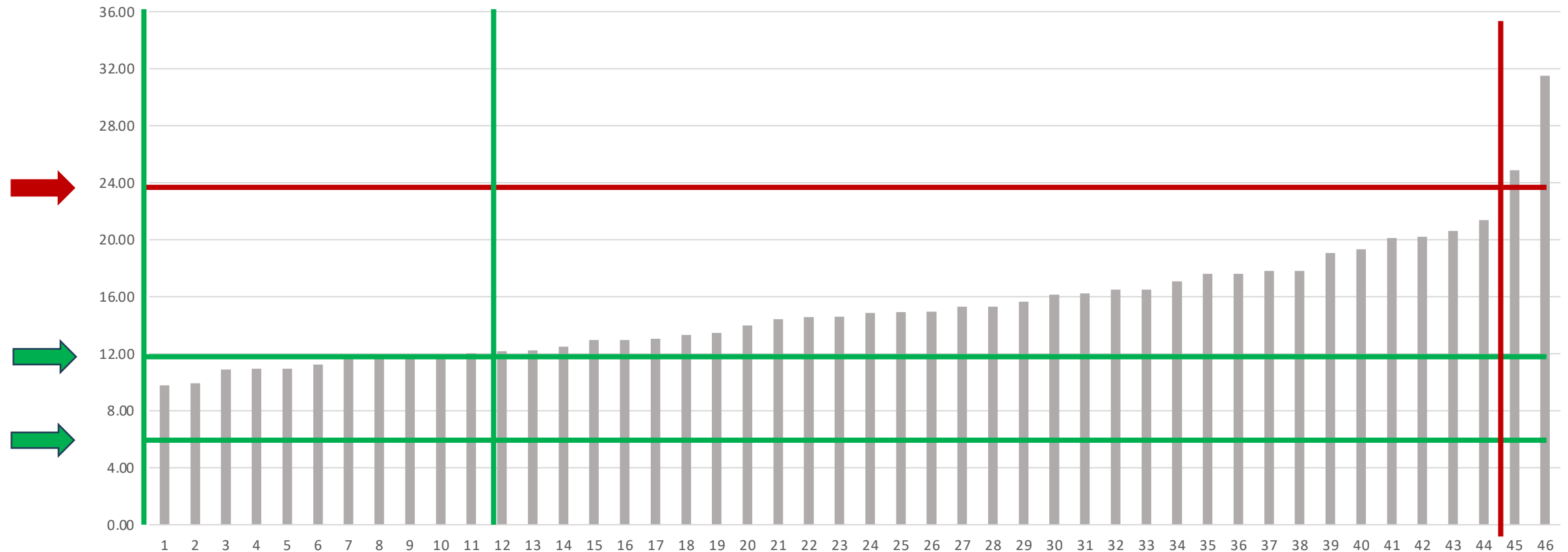


High Volume Sites Avg Vent Time

$n = 77688$
Participants: 46

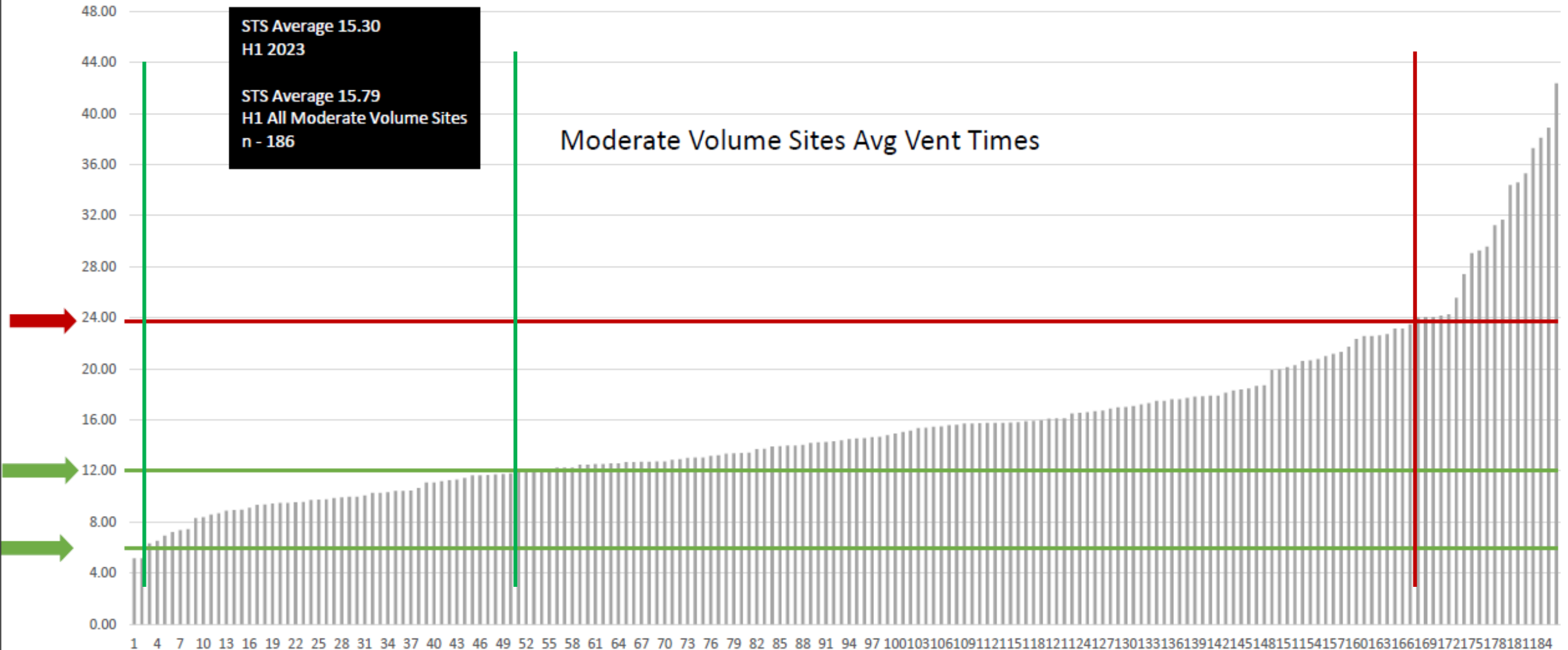
Isolated CABG Case Volume for 36-month analytic window
High Volume – 1200 or more
Moderate Volume – 600-1199
Low Volume – 0-599

Where we are at...



Where we were at...

Isolated CABG Case Volume for 36-month analytic window
High Volume – 1200 or more
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Low Volume – 0-599

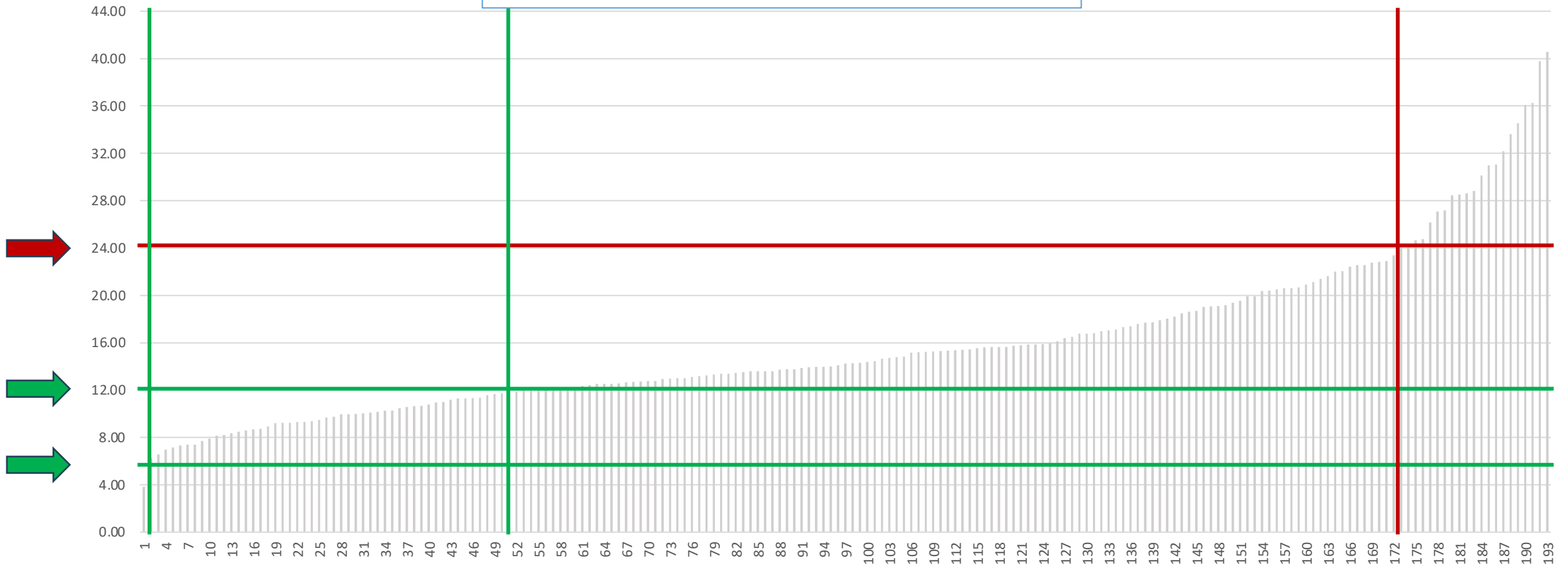


Moderate Volume Sites Avg Vent Times

$n = 155625$
Participants: 193

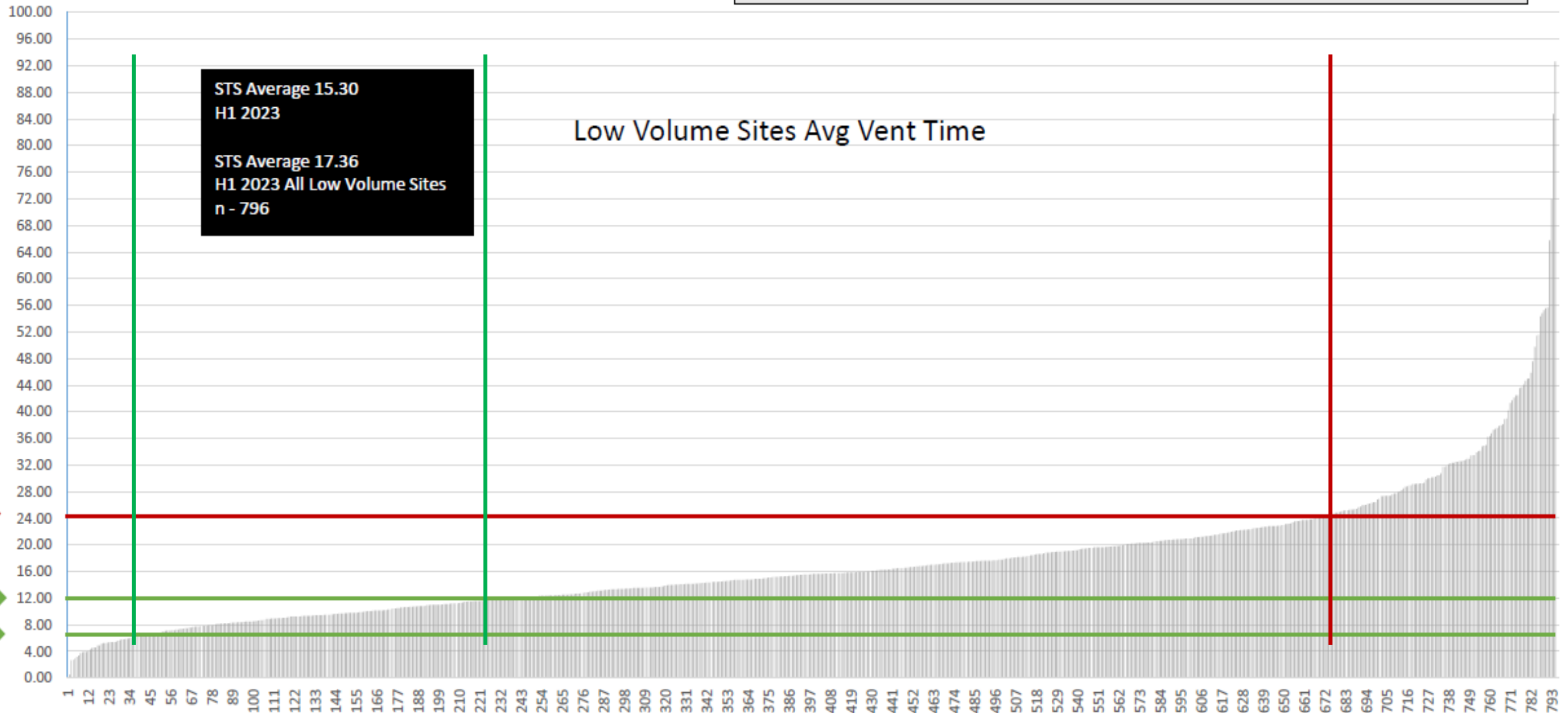
Where we are at...

Isolated CABG Case Volume for 36-month analytic window
High Volume – 1200 or more
Moderate Volume – 600-1199
Low Volume – 0-599



Where we were at...

Isolated CABG Case Volume for 36-month analytic window
High Volume – 1200 or more
Moderate Volume – 600-1199
Low Volume – 0-599



Low Volume Site Avg Vent Times

Isolated CABG Case Volume for 36-month analytic window

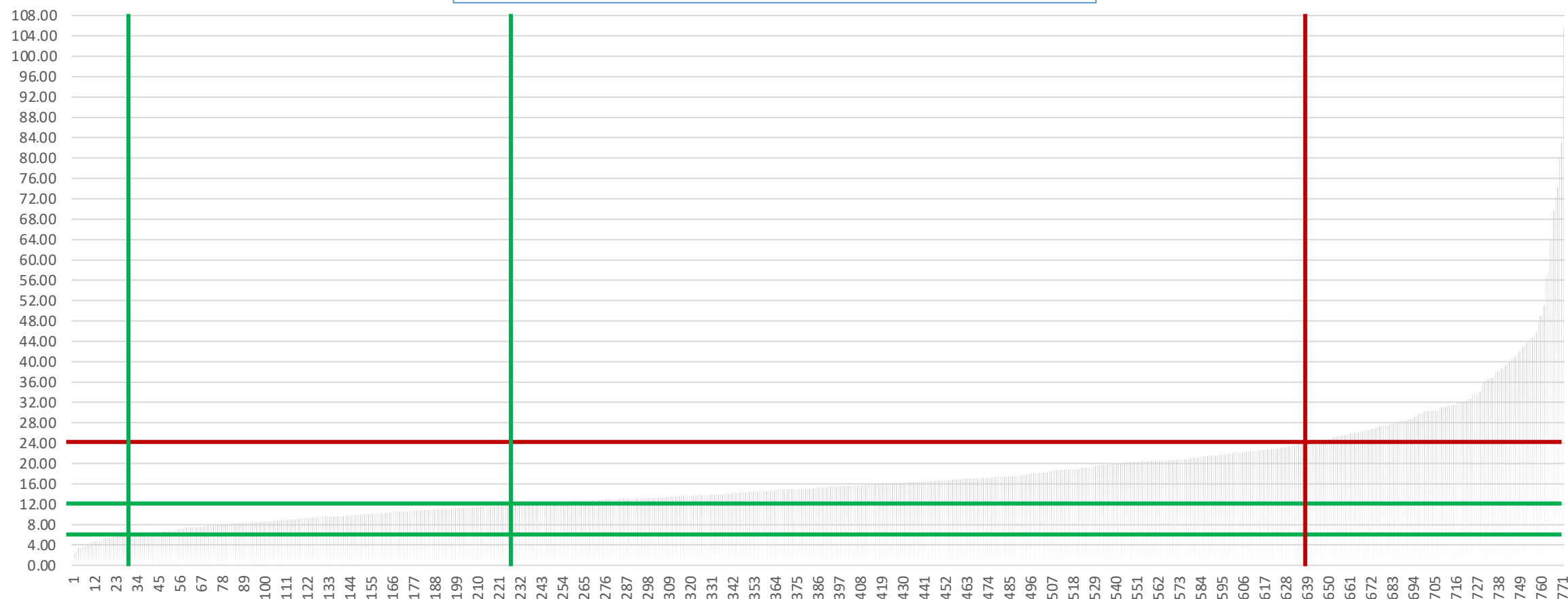
High Volume – 1200 or more

Moderate Volume – 600-1199

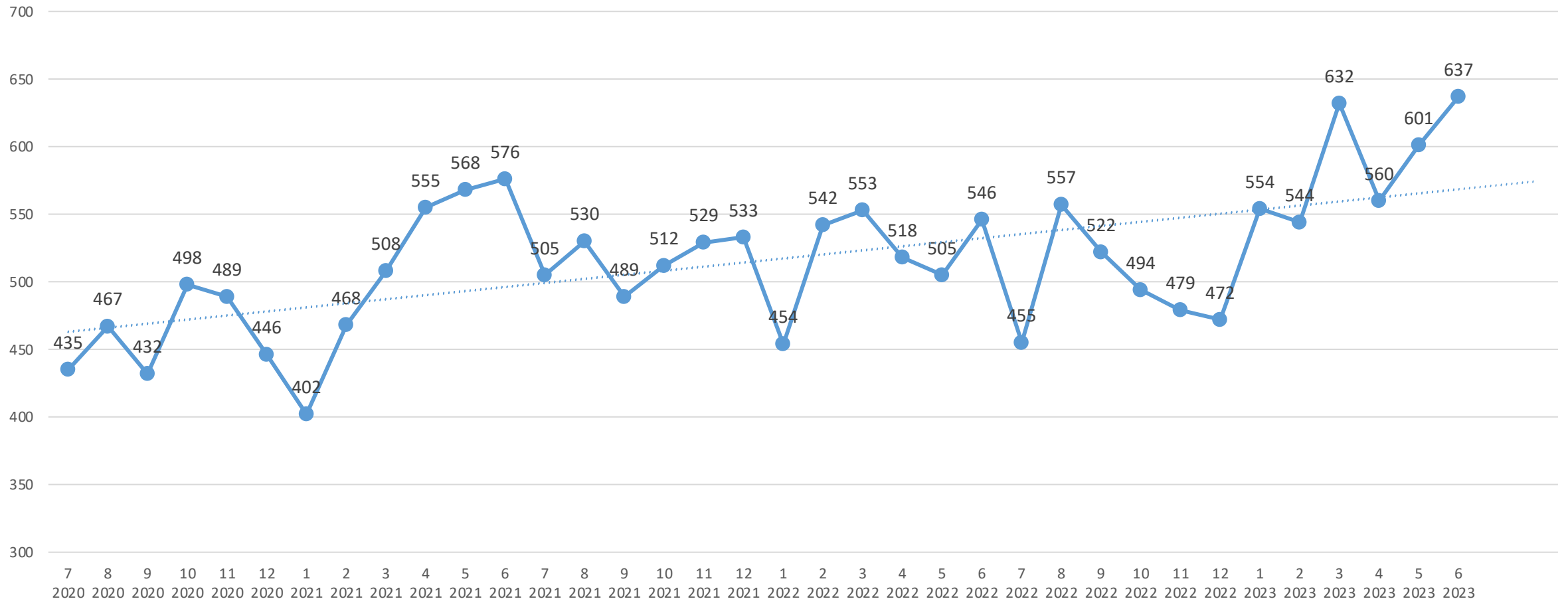
Low Volume – 0-599

n = 225724
Participants = 772

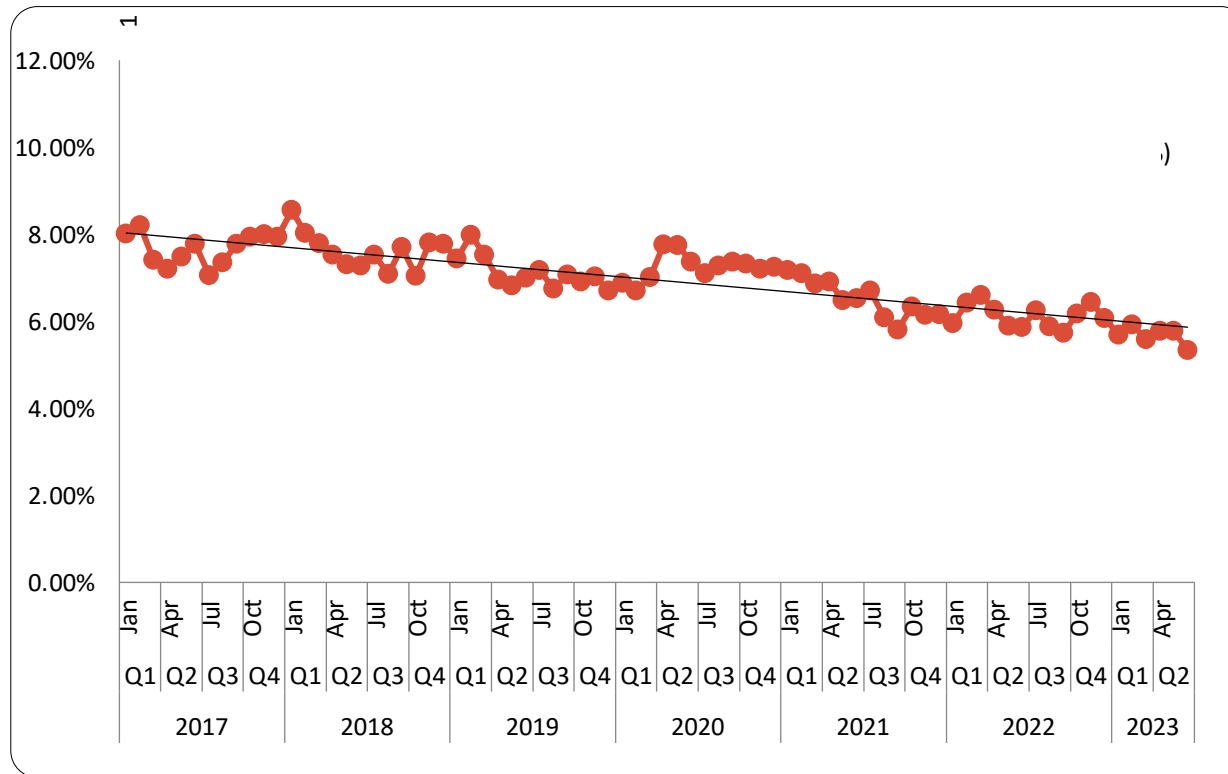
Where we are at...



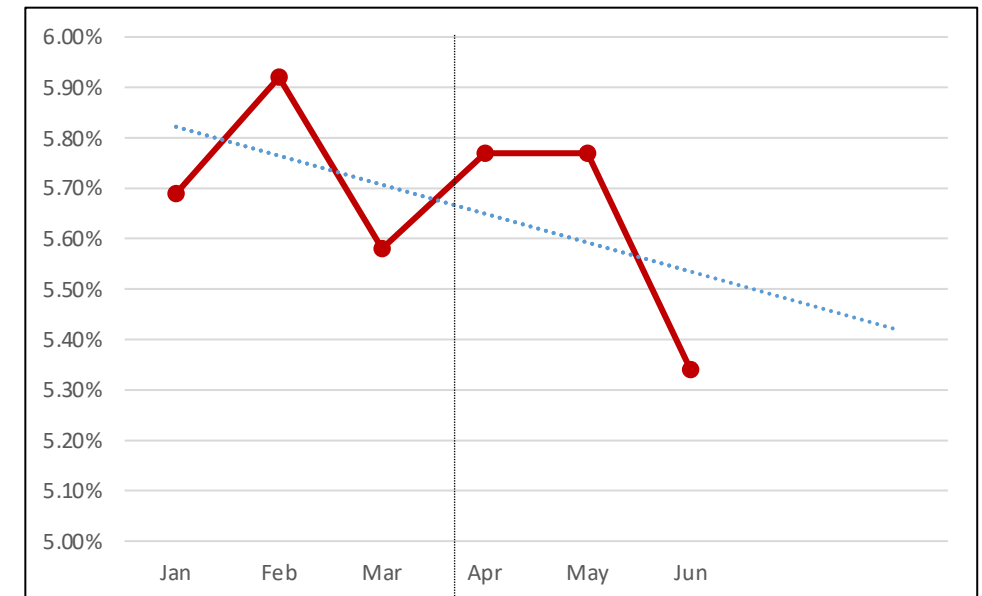
Extubated in OR Case Counts – ProcID 1



Prolonged Vent – STS AVG ProcID 1



2023					
Q1			Q2		
Jan	Feb	Mar	Apr	May	Jun
5.69%	5.92%	5.58%	5.77%	5.77%	5.34%



Contact Information

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 - Database Operational Questions (Billing, Contracts, Contacts)
- STSDB_Helpdesk@sts.org
 - IQVIA/Database Platform Questions (Uploader, DQR, Missing Variable, Dashboard, Password and Login)



Open Discussion

Please use the
raise-hand
function.

Please use the
Q&A Function.

We will answer as
many questions as
possible.

We encourage
your feedback and
want to hear from
you!