

BMC2

## MISHC TAVR Follow Up Report Dictionary

A guide that provides line item detail for Michigan TAVR hospital follow-up reports. Updated 8/1/2023

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## Dashboard

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### Discharges

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Numerator: The number of discharges that were discharged during the reporting period undergoing one or more TAVR procedures.

Denominator: The number of discharges that were discharged during the reporting period undergoing one or more TAVR procedures. (This will always show as 100%.)

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### Forms Due

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Numerator: 30 day follow up - The total number of TAVR discharges that were discharged during the reporting period as of the date the report is generated for the 30 day time period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No, and will always equal 100%.

Numerator: 1 year follow up - The total number of TAVR discharges that were discharged during the reporting period as of the date the report is generated for the 1 year time period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No, AND 30 day Follow Up Status SEQ # 11004 is documented as Alive.

Denominator: 1 year follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No, AND 30 day Follow Up Status SEQ # 11004 is documented as Alive, and will always equal 100%.

30 Day Follow up information submitted to the STS/ACC TVT registry with the assessment date of 1 - 75 days post-procedure that has passed DQR submission will be included in the 30 day follow up report.

One Year Follow up information submitted to the STS/ACC TVT registry with the assessment date of 76 - 425 days post-procedure that has passed DQR submission will be included in the one year follow up report.

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### Forms Completed

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Numerator: 30 day follow up - The total number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

Numerator: 1 year follow up - The total number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No, AND 30 day Follow Up Status SEQ # 11004 is documented as Alive.

Denominator: 1 year follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No, AND 30 day Follow Up Status SEQ # 11004 is documented as Alive.

30 Day Follow up information submitted to the STS/ACC TVT registry with the assessment date of 1 - 75 days post-procedure that has passed DQR submission will be included in the 30 day follow up report.

One Year Follow up information submitted to the STS/ACC TVT registry with the assessment date of 76 - 425 days post-procedure that has passed DQR submission will be included in the one year follow up report.

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## Status at Follow-Up

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### Alive

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Numerator: 30 day follow up - The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Alive. If more than one follow up form is submitted for this time period, all must have Follow Up Status SEQ #11004 documented as Alive.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Procedure Aborted SEQ #13505 is documented as No.

Numerator: 1 year follow up - The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period in which Follow Up Status SEQ #11004 is documented as Alive. If more than one follow up form is submitted for this time period, all must have Follow Up Status SEQ #11004 documented as Alive.

Denominator: 1 year follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Procedure Aborted SEQ #13505 is documented as No.

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### Deceased

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Procedure Aborted SEQ #13505 is documented as No.

Numerator: 1 year follow up - The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period in which Follow Up Status SEQ #11004 is documented as Deceased.

Denominator: 1 year follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Procedure Aborted SEQ #13505 is documented as No.

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### Lost to Follow-Up

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Lost to Follow Up.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Procedure Aborted SEQ #13505 is documented as No.

Numerator: 1 year follow up - The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period in which Follow Up Status SEQ #11004 is documented as Lost to Follow Up.

Denominator: 1 year follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Procedure Aborted SEQ #13505 is documented as No.

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### Events - Procedure to 30 days

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Reported events includes those events that either occurred post-procedure through discharge in the hospital, or occurred within 30 days post-procedure, so long as those events were listed in 30 day follow up assessments submitted through 75 days post-procedure.

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### Permanent Pacemaker

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Permanent Pacemaker is documented as Yes AND date difference between procedure and event date  $\leq$  30 days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## Stroke - All

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Stroke - Ischemic, Stroke - Hemorrhagic, OR Stroke - Undetermined is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## Afib

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Atrial Fibrillation is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## Readmissions Non-Valve Related

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Readmission - Non-Valve Related is documented as Yes AND date difference between discharge date SEQ #10100 and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes, or Discharge Status #10105 is documented as Deceased.

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## Readmissions Valve-Related

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Readmission - Valve Related is documented as Yes AND date difference between discharge date SEQ #10100 and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes, or Discharge Status #10105 is documented as Deceased.

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## Cardiac Surgery - Unplanned

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Cardiac Surgery - Unplanned is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## Device Fracture

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Device Fracture is documented as Yes AND date difference between procedure and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## Device Embolization

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Device Embolization is documented as Yes AND date difference between procedure and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## Device Thrombosis

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Device Thrombosis is documented as Yes AND date difference between procedure and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## Events - Procedure to 1 Year

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Reported events includes those events that either occurred post-procedure through discharge in the hospital, or occurred within 365 days post-procedure, so long as those events were listed in 30 day follow up or 1 year follow up assessments submitted through 425 days post-procedure.

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## Permanent Pacemaker

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period and/or 30 day follow up submitted during the required time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Permanent Pacemaker is documented as Yes AND date difference between procedure and event date  $\leq 365$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## Stroke - All

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period and/or 30 day follow up submitted during the required time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Stroke - Ischemic, Stroke - Hemorrhagic OR Stroke - Undetermined is documented as Yes AND date difference between procedure and event date  $\leq 365$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## Afib

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period and/or 30 day follow up submitted during the required time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Atrial Fibrillation is documented as Yes AND date difference between procedure and event date  $\leq$  365 days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## Readmissions - NVR

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period and/or 30 day follow up submitted during the required time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Readmission - Non-Valve Related is documented as Yes AND date difference between procedure and event date  $\leq$  365 days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes, or Discharge Status #10105 is documented as Deceased.

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## Readmissions - VR

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period and/or 30 day follow up submitted during the required time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Readmission - Valve Related is documented as Yes AND date difference between procedure and event date  $\leq$  365 days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes, or Discharge Status #10105 is documented as Deceased.

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## Cardiac Surgery Unplanned

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period and/or 30 day follow up submitted during the required time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Cardiac Surgery Unplanned is documented as Yes AND date difference between procedure and event date  $\leq$  365 days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## Device Fracture

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period and/or 30 day follow up submitted during the required time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Device Fracture is documented as Yes AND date difference between procedure and event date  $\leq$  365 days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## Device Embolization

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period and/or 30 day follow up submitted during the required time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Device Embolization is documented as Yes AND date difference between procedure and event date  $\leq$  365 days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## Device Thrombosis

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period and/or 30 day follow up submitted during the required time period in which

Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Device Thrombosis is documented as Yes AND date difference between procedure and event date  $\leq$  365 days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period, excluding TAVR discharges where all TAVR procedures documented Procedure Aborted SEQ #13505 as Yes.

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## KCCQ-12 Performed

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30 Day Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which KCCQ-12 Performed SEQ #13845 is documented as Yes.

30 Day Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with only one TAVR procedure that Procedure Aborted SEQ #13505 is documented as Yes, or Discharge Status #10105 is documented as Deceased.

1 Year Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period in which KCCQ-12 Performed SEQ #13845 is documented as Yes.

1 Year Denominator: The total number of TAVR discharges that were discharged during the reporting period EXCLUDING TAVR discharges with only one TAVR procedure that Procedure Aborted, SEQ #13505, is documented as Yes, or Discharge Status, SEQ #10105, is documented as Deceased, or 30 Day Follow Up Status, SEQ #11004, is documented as Deceased.

Five scores are generated from the KCCQ-12, representing four scales and one summary score. Physical Function Score, Symptom Frequency Score, Quality of Life Score, Social Limitation Score and a Summary Score. All scores are scaled 0 - 100, where 0 denotes the lowest reportable health status and 100 the highest.

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### Physical Function Score (mean, st. dev.)

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Computes the mean and standard deviation of the KCCQ-12 Physical Function Scores for patients that were discharged during the reporting period in which at least one follow up form as of the date the report is generated for the 30 day/1 year time period. The Physical Limitation Score corresponds to Questions 1a, 1b, and 1c. At least 2 questions must have non-missing responses in order to calculate a score. The score is calculated by taking the average of the available responses.

The responses are coded as follows: Extremely limited = 0, Quite a bit limited = 25, Moderately limited = 50, Slightly limited = 75, Not at all limited = 100, Limited for other reasons or did not do the activity = Missing.

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### Symptom Frequency Score (mean, st. dev.)

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Computes the mean and standard deviation of the KCCQ-12 Symptom Frequency Score for patients that were discharged during the reporting period in which at least one follow up form as of the date the report is generated for the 30 day/1 year time period. The Symptom Frequency Score corresponds to Questions 2,3,4 and 5. The score is calculated by taking the average of the available responses. At least two questions must have non-missing responses in order to calculate a score.

The responses for Question 2 are coded as follows: Every Morning = 0, 3 or more times per week but not every day = 25, 1 - 2 times per week = 50, Less than once a week = 75, Never over the past 2 weeks = 100.

The responses for Questions 3 and 4 are coded as follows: All of the time = 0, Several times per day = 16.667, At least once a day = 33.333, 3 or more times per week but not every day = 50, 1 -2 times per week = 66.667, Less than once a week = 83.333, Never over the past 2 weeks = 100.

The responses for Question 5 are coded as follows: Every night = 0, 3 or more times per week but not every day = 25, 1 - 2 times per week = 50, Less than once a week = 75, Never over the past 2 weeks = 100.

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### Quality of Life Score (mean, st. dev.)

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Computes the mean and standard deviation of the KCCQ-12 Quality of Life Score for patients that were discharged during the reporting period in which at least one follow up form as of the date the report is generated for the 30 day/1 year time period. The Quality of Life Score corresponds to Questions 6 and 7. The score is calculated by taking the average of the available responses. At least one question must have non-missing responses in order to calculate a score.

The responses for Question 6 are coded as follows: It has extremely limited my enjoyment of life = 0, It has limited my enjoyment of life quite a bit = 25, It has moderately limited my enjoyment of life = 50, It has slightly limited my enjoyment of life = 75, It has not limited my enjoyment of life at all = 100.

The responses for Question 7 are coded as follows: Not at all satisfied = 0, Mostly dissatisfied = 25, Somewhat satisfied = 50, Mostly satisfied = 75, Completely satisfied = 100.

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### **Social Limitation Score (mean, st. dev.)**

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Computes the mean and standard deviation of the KCCQ-12 Social Limitation Score for patients that were discharged during the reporting period in which at least one follow up form as of the date the report is generated for the 30 day/1 year time period. The Social Limitation Score corresponds to Questions 8a, 8b and 8c. The score is calculated by taking the average of the available responses. At least two questions must have non-missing responses in order to calculate a score.

The responses for Questions 8a, 8b and 8c are coded as follows: Severly limited = 0, Limited quite a bit = 25, Moderately limited = 50, Slightly limited = 75, Did not limit at all = 100, Does not apply or did not do for other reasons = missing.

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### **Summary Score (mean, st. dev.)**

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Computes the mean and standard deviation of all of the KCCQ-12 scores for patients that were discharged during the reporting period in which at least one follow up form as of the date the report is generated for the 30 day/1 year time period. The Physical Limitation, Symptom Frequency, Quality of Life and Social Limitation Scores are the available scores. The summary score is calculated by taking the average of the available scores. At least one of the four scores must be present in order to calculate the summary score.

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### **Survival with sustained QOL**

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Your hospital's proportion of patients with TAVR who are alive and have follow up KCCQ overall summary score  $\geq 45$  and follow up KCCQ overall summary score did not decrease more than 10 points.

Numerator: Follow up status, SEQ #11004, is Alive AND KCCQ Overall Summary Score, SEQ #14535, is  $\geq 45$  AND follow up KCCQ Overall Summary Score, SEQ #14535, did not decrease more than 10 points from baseline KCCQ, SEQ #14310.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted, SEQ #13505, documented as Yes for all TAVR procedures.

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## Status at Follow Up

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### Alive

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Numerator: 30 day follow up - The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Alive.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Procedure Aborted SEQ #13505 is documented as No.

Numerator: 1 year follow up - The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period in which Follow Up Status SEQ #11004 is documented as Alive.

Denominator: 1 year follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Procedure Aborted SEQ #13505 is documented as No.

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### Deceased

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Numerator: 30 day follow up - The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

Numerator: 1 year follow up - The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 1 year time period in which Follow Up Status SEQ #11004 is documented as Deceased.

Denominator: 1 year follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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### Cause of Death

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#### Acute MI

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Acute Myocardial Infarction.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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#### Sudden Cardiac Death

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Sudden Cardiac Death.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting

period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Heart Failure

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Heart Failure.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Stroke

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Stroke.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Cardiovascular Procedure

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Cardiovascular Procedure.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Cardiovascular Hemorrhage

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Cardiovascular Hemorrhage.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Other Cardiovascular Reason

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Other Cardiovascular Reason.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Pulmonary

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Pulmonary.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting

period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Renal

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Renal.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Gastrointestinal

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Gastrointestinal.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Hepatobiliary

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Hepatobiliary.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Pancreatic

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Pancreatic.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Infection

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Infection.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Inflammatory/Immunologic

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Inflammatory/Immunologic.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting

period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Hemorrhage

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Hemorrhage.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Non-Cardiovascular Procedure or Surgery

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Non-Cardiovascular Procedure or Surgery.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Trauma

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Trauma.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Suicide

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Suicide.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Neurological

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Neurological.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Malignancy

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Malignancy.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting

period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Other Non-Cardiovascular Reason

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased and Cause of Death SEQ #11006 is documented as Other Non-Cardiovascular Reason.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Deceased.

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## Residence

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### Home with No Health Aid

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Residence SEQ #13805 is documented as Home with No Health Aid.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Alive.

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### Home with Health Aid

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Residence SEQ #13805 is documented as Home with Health Aid.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Alive.

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### Long Term Care

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Residence SEQ #13805 is documented as Long Term Care.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Alive.

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### Other

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Residence SEQ #13805 is documented as Other.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Alive.

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### Not Documented

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Residence SEQ #13805 is documented as Not Documented.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Follow Up Status SEQ #11004 is documented as Alive.

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## Follow Up Assessment

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### NYHA Class Documented

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#### Class I

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which NYHA Classification SEQ #13688 is documented as Class I.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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#### Class II

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which NYHA Classification SEQ #13688 is documented as Class II.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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#### Class III

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which NYHA Classification SEQ #13688 is documented as Class III.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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#### Class IV

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which NYHA Classification SEQ #13688 is documented as Class IV.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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### 12 Lead ECG Performed

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#### No Significant Change

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which 12 Lead ECG Performed SEQ #13689 is documented as Yes and 12 Lead ECG Findings SEQ #13621 is documented as No Significant Change.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and 12 Lead ECG Performed SEQ #13689 is documented as Yes.

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#### Pathological Q Wave

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which 12 Lead ECG Performed SEQ #13689 is documented as Yes and 12 Lead ECG Findings SEQ #13621 is documented as Pathological Q Wave.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting

period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and 12 Lead ECG Performed SEQ #13689 is documented as Yes.

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## **New LBBB**

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which 12 Lead ECG Performed SEQ #13689 is documented as Yes and 12 Lead ECG Findings SEQ #13621 is documented as New LBBB.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and 12 Lead ECG Performed SEQ #13689 is documented as Yes.

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## **Cardiac Arrhythmia**

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which 12 Lead ECG Performed SEQ #13689 is documented as Yes and 12 Lead ECG Findings SEQ #13621 is documented as Cardiac Arrhythmia.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and 12 Lead ECG Performed SEQ #13689 is documented as Yes.

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## **Echocardiogram Performed**

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Echocardiogram Performed SEQ #13492 is documented as Yes.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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## **LVEF Assessed**

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Echocardiogram Performed SEQ #13492 is documented as Yes and LVEF SEQ #13690 is documented with a percentage from 0 - 100%.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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## **AV Mean Gradient Documented**

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which AV Mean Gradient SEQ #13676 is documented with a numeric value.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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## **Aortic Regurgitation**

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### **None**

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Aortic Regurgitation SEQ #13527 is documented as None.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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### **Trace/Trivial**

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Aortic Regurgitation SEQ #13527 is documented as Trace/Trivial.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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## Mild

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Aortic Regurgitation SEQ #13527 is documented as Mild.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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## Moderate

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Aortic Regurgitation SEQ #13527 is documented as Moderate.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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## Severe

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Aortic Regurgitation SEQ #13527 is documented as Severe.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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## Paravalvular Regurgitation

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### None

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Aortic Regurgitation SEQ #13527 is documented as Mild, Moderate or Severe and Paravalvular Regurgitation SEQ #14504 is documented as None.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Aortic Regurgitation SEQ #13527 is documented as Trace/Trivial, Mild, Moderate or Severe.

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### Mild

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Aortic Regurgitation SEQ #13527 is documented as Mild, Moderate or Severe and Paravalvular Regurgitation SEQ #14504 is documented as Mild.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Aortic Regurgitation SEQ #13527 is documented as Trace/Trivial, Mild, Moderate or Severe.

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### Moderate

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Aortic Regurgitation SEQ #13527 is documented as Mild, Moderate or Severe and Paravalvular Regurgitation SEQ #14504 is documented as Moderate.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting

period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Aortic Regurgitation SEQ #13527 is documented as Trace/Trivial, Mild, Moderate or Severe.

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## Severe

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Aortic Regurgitation SEQ #13527 is documented as Mild, Moderate or Severe and Paravalvular Regurgitation SEQ #14504 is documented as Severe.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Aortic Regurgitation SEQ #13527 is documented as Trace/Trivial, Mild, Moderate or Severe.

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## Not Documented

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Aortic Regurgitation SEQ #13527 is documented as Mild, Moderate or Severe and Paravalvular Regurgitation SEQ #14504 is documented as Not Documented.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and Aortic Regurgitation SEQ #13527 is documented as None, Trace/Trivial, Mild, Moderate or Severe.

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## 4D CT Performed (1 Year Follow Up Only)

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which 4D CT SEQ #13692 is documented as Yes.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No.

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## Valve Thrombosis Noted

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which 4D CT SEQ #13692 is documented as Yes and Valve Thrombosis Noted SEQ #13694 is documented as Yes.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and 4D CT SEQ #13692 is documented as Yes.

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## Leaflet Dysfunction Noted

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which 4D CT SEQ #13692 is documented as Yes and Leaflet Dysfunction Noted SEQ #13695 is documented as Yes.

Denominator: 30 day follow up - The total number of TAVR discharges undergoing one or more TAVR procedures during the reporting period in which Discharge Status SEQ #10105 is documented as Alive and Procedure Aborted SEQ #13505 is documented as No and 4D CT SEQ #13692 is documented as Yes.

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## Follow Up Events - Procedure to 30 days/365 days

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30 Day Follow Up Report - Events that either occurred post-procedure through discharge in the hospital, or occurred within 30 days post-procedure, so long as those events were documented in the 30 day follow-up assessment(s) submitted through 75 days post-procedure.

1 Year Follow Up Report - Events that either occurred post-procedure through discharge in the hospital, or occurred within 365 days post-procedure, so long as those events were documented in the 30 day or 1 year follow-up assessment(s) submitted within the required time periods, see below.

30 Day Follow up information submitted to the STS/ACC TVT registry with the assessment date of 1 - 75 days post-procedure that has passed DQR submission will be included in the 30 day follow up report.

1 Year Follow up information submitted to the STS/ACC TVT registry with the assessment date of 76 - 425 days post-procedure that has passed DQR submission will be included in the one year follow up report.

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## Deceased

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11004 is documented as Deceased AND date difference between procedure and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Atrial Fibrillation

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Atrial Fibrillation is documented as Yes AND date difference between procedure and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Bleeding - Life Threatening

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Bleeding - Life Threatening SEQ #14276 is documented as Yes AND date difference between procedure and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Bleeding - Major

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Bleeding - Major SEQ #14276 is documented as Yes AND date difference between procedure and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Cardiac Surgery or Intervention - Other Unplanned

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Cardiac Surgery or Intervention - Other Unplanned SEQ #14276 is documented as Yes AND date difference between procedure and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Device Embolization

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Device Embolization SEQ #14276 is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Device Fracture

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Device Fracture SEQ #14276 is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Device Thrombosis

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Device Thrombosis SEQ #14276 is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Dialysis - New Requirement

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Dialysis - New Requirement SEQ #14276 is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Endocarditis

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Endocarditis SEQ #14276 is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## ICD

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and ICD SEQ #14276 is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## MI

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and MI

SEQ #14276 is documented as Yes AND date difference between procedure and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## PCI

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and PCI SEQ #14276 is documented as Yes AND date difference between procedure and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Permanent Pacemaker

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Permanent Pacemaker SEQ #14276 is documented as Yes AND date difference between procedure and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures performed and Pre-Procedure Permanent Pacemaker documented as Yes.

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## Readmissions Non-Valve Related

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Readmissions Non-Valve Related SEQ #14276 is documented as Yes AND date difference between discharge date SEQ #10100 and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Readmissions Valve-Related

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Readmissions Valve-Related SEQ #14276 is documented as Yes AND date difference between discharge date SEQ #10100 and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Reintervention - Aortic Valve

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Reintervention - Aortic Valve SEQ #14276 is documented as Yes AND date difference between procedure and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Stroke - Ischemic

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Stroke - Ischemic SEQ #14276 is documented as Yes AND date difference between procedure and event date  $\leq 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Stroke - Hemorrhagic

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Stroke - Hemorrhagic SEQ #14276 is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Stroke - Undetermined

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Stroke - Undetermined SEQ #14276 is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## TIA

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and TIA SEQ #14276 is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Vascular Complication - Major

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Vascular Complication - Major SEQ #14276 is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Vascular Complication - Minor

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Vascular Complication - Minor SEQ #14276 is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Vascular Surgery or Intervention - Unplanned

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and Vascular Surgery or Intervention - Unplanned SEQ #14276 is documented as Yes AND date difference between procedure and event date  $< \text{ or } = 30$  days.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Follow Up Events - All Events

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30 Day Follow Up Report - Events that either occurred post-procedure through discharge in the hospital, or occurred within 23 - 75 days post-procedure, so long as those events were documented in the 30 day follow-up assessment(s) submitted through 75 days post-procedure.

1 Year Follow Up Report - Events that either occurred post-procedure through discharge in the hospital, or occurred within 425 days post-procedure, so long as those events were documented in the 30 day or 1 year follow-up assessment(s) submitted within the required time periods, see below.

30 Day Follow up information submitted to the STS/ACC TVT registry with the assessment date of 1 - 75 days post-procedure that has passed DQR submission will be included in the 30 day follow up report.

1 Year Follow up information submitted to the STS/ACC TVT registry with the assessment date of 76 - 425 days post-procedure that has passed DQR submission will be included in the one year follow up report.

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## Deceased

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Status SEQ #11003 is documented as Deceased.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Atrial Fibrillation

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Atrial Fibrillation is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Bleeding - Life Threatening

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Bleeding - Life Threatening is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Bleeding - Major

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Bleeding - Major is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Cardiac Surgery or Intervention - Other Unplanned

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Cardiac Surgery or Intervention is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Device Embolization

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Device Embolization is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Device Fracture

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Device Fracture is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Device Thrombosis

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Device Thrombosis is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Dialysis - New Requirement

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Dialysis - New Requirement is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Endocarditis

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Endocarditis is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## ICD

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 ICD is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## MI

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Myocardial Infarction is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## PCI

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 PCI is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Permanent Pacemaker

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Permanent Pacemaker is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures performed and Pre-Procedure Permanent Pacemaker documented as Yes.

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## Readmissions Non-Valve Related

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Readmissions Non-Valve Related is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with only one TAVR procedure that Procedure Aborted SEQ #13505 is documented as Yes, or Discharge Status #10105 is documented as Deceased.

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## Readmissions Valve-Related

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Readmissions Valve Related is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with only one TAVR procedure that Procedure Aborted SEQ #13505 is documented as Yes, or Discharge Status #10105 is documented as Deceased.

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## Reintervention - Aortic Valve

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Reintervention - Aortic Valve is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with only one TAVR procedure that Procedure Aborted SEQ #13505 is documented as Yes, or Discharge Status #10105 is documented as Deceased.

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## Stroke - Ischemic

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Stroke - Ischemic is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Stroke - Hemorrhagic

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Stroke - Hemorrhagic is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Stroke - Undetermined

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Stroke - Undetermined is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## TIA

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 TIA is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Vascular Complication - Major

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Vascular Complication - Major is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Vascular Complication - Minor

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Vascular Complication - Minor is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Vascular Surgery or Intervention - Unplanned

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Numerator: The number of TAVR discharges that were discharged during the reporting period containing at least one follow up form as of the date the report is generated for the 30 day time period in which Follow Up Events SEQ #12933 is documented as Yes and SEQ #14276 Vascular Surgery or Intervention - Unplanned is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period excluding TAVR discharges with Procedure Aborted SEQ #13505 documented as Yes for all TAVR procedures.

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## Medical Therapy

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### Anticoagulant

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Numerator: The number of TAVR discharges that Discharge Status SEQ #10105 was documented as Alive during the reporting period and Anticoagulant SEQ #11990, Direct Thrombin Inhibitors and/or Warfarin, and Prescribed SEQ #13696 is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period that had Discharge Status SEQ #10105 documented as Alive.

Exclusions: Discharge Status SEQ #10105 is documented as Deceased, Discharge Medications Anticoagulant SEQ #10200 and Prescribed SEQ #10205 is documented as No - Medical Reason, Discharge Location SEQ #10110 is documented as Other Acute Care Hospital OR Left Against Medical Advice, Hospice Care SEQ #10115 is documented as Yes, or Conversion to Open Heart Surgery SEQ #13542 is documented as Yes.

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### Antiplatelet

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Numerator: The number of TAVR discharges that Discharge Status SEQ #10105 was documented as Alive during the reporting period and Antiplatelet SEQ #11990, Aspirin and/or P2Y12 Inhibitors, and Prescribed SEQ #13696 is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period that had Discharge Status SEQ #10105 documented as Alive.

Exclusions: Discharge Status SEQ #10105 is documented as Deceased, Discharge Medications Antiplatelet SEQ #10200 and Prescribed SEQ #10205 is documented as No - Medical Reason, Discharge Location SEQ #10110 is documented as Other Acute Care Hospital OR Left Against Medical Advice, Hospice Care SEQ #10115 is documented as Yes, or Conversion to Open Heart Surgery SEQ #13542 is documented as Yes.

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### Non-Vitamin K Dependent Oral Anticoagulant

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Numerator: The number of TAVR discharges that Discharge Status SEQ #10105 was documented as Alive during the reporting period and Non-Vitamin K Dependent Oral Anticoagulant SEQ #11990, Direct Factor Xa Inhibitors, and Prescribed SEQ #13696 is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period that had Discharge Status SEQ #10105 documented as Alive.

Exclusions: Discharge Status SEQ #10105 is documented as Deceased, Discharge Medications Non-Vitamin K Dependent Oral Anticoagulant SEQ #10200 and Prescribed SEQ #10205 is documented as No - Medical Reason, Discharge Location SEQ #10110 is documented as Other Acute Care Hospital OR Left Against Medical Advice, Hospice Care SEQ #10115 is documented as Yes, or Conversion to Open Heart Surgery SEQ #13542 is documented as Yes.

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### P2Y12 Inhibitor

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Numerator: The number of TAVR discharges that Discharge Status SEQ #10105 was documented as Alive during the reporting period and P2Y12 Inhibitor SEQ #11990 and Prescribed SEQ #13696 is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period that had Discharge Status SEQ #10105 documented as Alive.

Exclusions: Discharge Status SEQ #10105 is documented as Deceased, Discharge Medications P2Y12 Inhibitor SEQ #10200 and Prescribed SEQ #10205 is documented as No - Medical Reason, Discharge Location SEQ #10110 is documented as Other Acute Care Hospital OR Left Against Medical Advice, Hospice Care SEQ #10115 is documented as Yes, or Conversion to Open Heart Surgery SEQ #13542 is documented as Yes.

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### SAPT

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Numerator: The number of TAVR discharges that Discharge Status SEQ #10105 was documented as Alive during the reporting period and Aspirin OR P2Y12 Inhibitor, not both, SEQ #11990 and Prescribed SEQ #13696 is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period that had Discharge Status SEQ

#10105 documented as Alive.

Exclusions: Discharge Status SEQ #10105 is documented as Deceased, Discharge Medications P2Y12 Inhibitor SEQ #10200 and Prescribed SEQ #10205 is documented as No - Medical Reason, Discharge Location SEQ #10110 is documented as Other Acute Care Hospital OR Left Against Medical Advice, Hospice Care SEQ #10115 is documented as Yes, or Conversion to Open Heart Surgery SEQ #13542 is documented as Yes.

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## **DAPT**

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Numerator: The number of TAVR discharges that Discharge Status SEQ #10105 was documented as Alive during the reporting period and Aspirin AND P2Y12 Inhibitor SEQ #11990 and Prescribed SEQ #13696 is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period that had Discharge Status SEQ #10105 documented as Alive.

Exclusions: Discharge Status SEQ #10105 is documented as Deceased, Discharge Medications P2Y12 Inhibitor SEQ #10200 and Prescribed SEQ #10205 is documented as No - Medical Reason, Discharge Location SEQ #10110 is documented as Other Acute Care Hospital OR Left Against Medical Advice, Hospice Care SEQ #10115 is documented as Yes, or Conversion to Open Heart Surgery SEQ #13542 is documented as Yes.

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## **SAPT + Anticoagulant**

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Numerator: The number of TAVR discharges that Discharge Status SEQ #10105 was documented as Alive during the reporting period and Aspirin OR P2Y12 Inhibitor, not both, AND Warfarin or Direct Thrombin Inhibitor, SEQ #11990 and Prescribed SEQ #13696 is documented as Yes.

Denominator: The total number of TAVR discharges that were discharged during the reporting period that had Discharge Status SEQ #10105 documented as Alive.

Exclusions: Discharge Status SEQ #10105 is documented as Deceased, Discharge Medications P2Y12 Inhibitor SEQ #10200 and Prescribed SEQ #10205 is documented as No - Medical Reason, Discharge Location SEQ #10110 is documented as Other Acute Care Hospital OR Left Against Medical Advice, Hospice Care SEQ #10115 is documented as Yes, or Conversion to Open Heart Surgery SEQ #13542 is documented as Yes.

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## **Anticoagulant Only**

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Numerator: The number of TAVR discharges that Discharge Status SEQ #10105 was documented as Alive during the reporting period and Warfarin or Direct Thrombin Inhibitor SEQ #11990 and Prescribed SEQ #13696 is documented as Yes AND Antiplatelet SEQ #11990, Aspirin AND P2Y12 Inhibitor SEQ #11990 P2Y12 Antagonist is documented as No.

Denominator: The total number of TAVR discharges that were discharged during the reporting period that had Discharge Status SEQ #10105 documented as Alive.

Exclusions: Discharge Status SEQ #10105 is documented as Deceased, Discharge Medications P2Y12 Inhibitor SEQ #10200 and Prescribed SEQ #10205 is documented as No - Medical Reason, Discharge Location SEQ #10110 is documented as Other Acute Care Hospital OR Left Against Medical Advice, Hospice Care SEQ #10115 is documented as Yes, or Conversion to Open Heart Surgery SEQ #13542 is documented as Yes.

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## **No Anticoagulant, No Antiplatelet**

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Numerator: The number of TAVR discharges that Discharge Status SEQ #10105 was documented as Alive during the reporting period and Aspirin, P2Y12 Inhibitor, Direct Thrombin Inhibitor AND Warfarin, SEQ #11990 and Prescribed SEQ #13696 is documented as No - No Reason, No - Medical Reason, OR No - Pt Reason.

Denominator: The total number of TAVR discharges that were discharged during the reporting period that had Discharge Status SEQ #10105 documented as Alive.

Exclusions: Discharge Status SEQ #10105 is documented as Deceased, Discharge Medications P2Y12 Inhibitor SEQ #10200 and Prescribed SEQ #10205 is documented as No - Medical Reason, Discharge Location SEQ #10110 is documented as Other Acute Care Hospital OR Left Against Medical Advice, Hospice Care SEQ #10115 is documented as Yes, or Conversion to Open Heart Surgery SEQ #13542 is documented as Yes.

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## Site-Blinded Graphs

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Each of the graphs is a bar plot. On the x axis, each hospital is listed. On the y axis, the metric displayed on the graph.

The hospitals are not listed by their hospital code number, but rather, the data is sorted, and the hospitals are assigned new numbers, 1-n (where n is the number of hospitals). This number is called the "blinded" hospital code. It shows what rank your hospital has in the metrics, without showing you which other hospitals had which ranks. For convenience, we also color the bar representing your hospital.

KCCQ Completion

Stroke - Ischemic

Pacemaker

Readmissions NVR

Readmissions VR

Death

NYHA documented - 30 day

Follow Up Completion

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## Readmissions Valve-Related

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Numerator is the number of TAVR follow-up forms containing at least one follow up form indicating a valve-related readmission occurred (seq #12933).

Denominator is the total number of TAVR discharges with follow up information submitted.

The NCDR ID numbers of the valve-related readmissions will be listed at the end of the follow-up reports.

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## Readmissions Non-Valve Related

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Numerator is the number of TAVR discharges containing at least one follow up form indicating a non-valve-related readmission occurred (seq #12933).

Denominator is the total number of TAVR discharges with follow up information submitted.

The NCDR ID numbers of the non-valve-related readmissions will be listed at the end of the follow-up reports.