# MSTCVS Quality Collaborative

# Patient Reported Outcomes

## Adult Cardiac Surgery Project Manual



Michigan Society of Thoracic and Cardiovascular Surgeons Quality Collaborative
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**Field #: 1**
**Long Name:  REDCap Record ID**
**Short Name: rc_record_id**
**Field Type:  Auto Populated Text**

**Definition:** Unique value generated by the REDCap software that identifies each record in the database.
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**Field #: 2**
**Long Name:  STS Participant ID**
**Short Name: sts_part_id**
**Field Type:  Text**
**Required Field**

**Definition:** Participant ID is a unique number assigned to each database participant by the STS.

**Intent/Clarification:**
MSTCVS QC will use this value to communicate issues about individual records with the participant. It will also be used by the Coordinating Center to link the REDCap record to the STS record.
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**Field #: 3**
**Long Name:  STS Record ID**
**Short Name: sts_record_id**
**Field Type:  Text**
**Required Field**

**Definition:** An arbitrary, unique value generated by the software that permanently identifies each record in the participant's STS database (note that unlike the PatID value, this does not identify the individual patient). The value of the identifier is a combination of a code assigned to the software developer by the STS, and a value generated by the software to create a unique value. Once assigned to a record, this value can never be changed or reused.

**Intent/Clarification:**
MSTCVS QC will use this value to communicate issues about individual records with the participant. It will also be used by the Coordinating Center to link the record to the STS record.
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**Field #: 4**
**Long Name:  Date of Surgery**
**Short Name: date_of_surgery**
**Field Type:  Text (date_mdy)**
**Required Field**

**Definition:**  Indicate the date the patient entered the operating room for the index cardiac surgical procedure. Index cardiac surgical procedure is defined as the initial major cardiac surgical procedure of the hospitalization.

**Intent/Clarification:**
MSTCVS QC will use this value to communicate issues about individual records with the participant. It will also be used by the Coordinating Center to link the record to the STS record.

Required date format: mm-dd-yyyy

**Field #: 5**
**Long Name:  Date of Discharge**
**Short Name: date_of_discharge**
**Field Type:  Text (date_mdy)**
**Required Field**

**Definition:**  Indicate the date the patient was discharged from the hospital.

**Intent/Clarification:**
MSTCVS QC will use this value to communicate issues about individual records with the participant. It will also be used by the Coordinating Center to link the record to the STS record.

Required date format: mm-dd-yyyy

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**Field #: 6**
**Long Name:  Baseline EQ-5D Completed?**
**Short Name:  baseline_eq5d**
**Field Type:  Yes/No**

**Definition** Indicate if the patient completed the EQ-5D questionnaire prior to surgery.

   **Notes:**
     1.   Target timeframe for baseline survey completion is within 45 days prior to surgery.
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**Field #: 7**
**Long Name:  Date of Baseline EQ-5D Survey**
**Short Name:  base_date_of_survey**
**Field Type:  Text (date_mdy)**

**Definition** Indicate the date in which the patient completed the baseline EQ-5D survey.

**Notes:**
   **1.** This question is enabled if "Baseline EQ-5D Completed?" is 'yes'.

Required date format: mm-dd-yyyy

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**Field #: 8**
**Long Name:  Baseline Mobility**
**Short Name: base_eq5d_mb_31_usa_eng**
**Field Type:  Single Choice Radio Button**

**Definition:**  Choose the level of mobility as reported by the patient on the baseline EQ-5D survey.
1. I have no problems walking about
2. I have some problems walking about
3. I am confined to bed

  **Notes:**
      **1.** This question is enabled if "Baseline EQ-5D Completed?" is 'yes'.

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**Field #: 9**
**Long Name:  Baseline Self-Care**
**Short Name: base_eq5d_sc_31_usa_eng**
**Field Type:  Single Choice Radio Button**

**Definition:**  Choose the level of self-care as reported by the patient on the baseline EQ-5D survey.
1. I have no problems with self-care
2. I have some problems washing or dressing myself
3. I am unable to wash or dress myself

  **Notes:**
      **1.** This question is enabled if "Baseline EQ-5D Completed?" is 'yes'.

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**Field #: 10**
**Long Name:  Baseline Usual Activities**
**Short Name: base_eq5d_ua_31_usa_eng**
**Field Type:  Single Choice Radio Button**

**Definition:**  Choose the level of usual activities as reported by the patient on the baseline EQ-5D survey.
1. I have no problems with performing my usual activities
2. I have some problems with performing my usual activities
3. I am unable to perform my usual activities

  **Notes:**
      **1.** This question is enabled if "Baseline EQ-5D Completed?" is 'yes'.

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**Field #: 11**
**Long Name:  Baseline Pain / Discomfort**
**Short Name: base_eq5d_pd_31_usa_eng**
**Field Type:  Single Choice Radio Button**

**Definition:**  Choose the level of pain/discomfort as reported by the patient on the baseline EQ-5D survey.
1.  I have no pain or discomfort
2.  I have moderate pain or discomfort
3.  I have extreme pain or discomfort

   **Notes:**
        **1.** This question is enabled if "Baseline EQ-5D Completed?" is 'yes'.
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**Field #: 12**
**Long Name:  Baseline Anxiety / Depression**
**Short Name: base_eq5d_ad_31_usa_eng**
**Field Type:  Single Choice Radio Button**

**Definition:**  Choose the level of anxiety/depression as reported by the patient on the baseline EQ-5D survey.
1.  I am not anxious or depressed
2.  I am moderately anxious or depressed
3.  I am extremely anxious or depressed

   **Notes:**
        **1.** This question is enabled if "Baseline EQ-5D Completed?" is 'yes'.
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<span style="color:red">

**March 2025  Q:  "My patient checked 2 boxes", i.e. both "I have moderate pain or discomfort" and "I have severe pain or discomfort"; which one should be used?**

**A:   Patient should be encouraged to choose only one, but if patient checked 2 boxes, use the worst; "I have severe pain or discomfort".**
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**Field #: 13**
**Long Name:  Baseline Health Today**
**Short Name: base_eq5d_healthtoday_31_usa_eng**
**Field Type:  Slider**
**Min: 0**
**Max: 100**

**Definition:**  Choose the level of health today as reported by the patient on the baseline EQ-5D survey.  This scale is numbered from 0 to 100.  100 means the best health you can imagine.  0 means the worst health you can imagine.

   **Notes:**
        **1.** This question is enabled if "Baseline EQ-5D Completed?" is 'yes'.

<span style="color:red">

**Dec 2024 Q:  "What if the patient answered "60-70" for Baseline Health Today?**

**A:  Patients should be encouraged to choose one value, but If patient answered "60-70", use average (65). If patient answered "65-70", use 68 (similar to STS EF).**
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**Field #: 14**
**Long Name:  Baseline Survey Section Complete?**
**Short Name:  baseline_complete**
**Field Type:  Yes/No**

**Definition:** This field can be used by sites to track completion of the baseline EQ-5D survey section.

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**Field #: 15**
**Long Name:  One Year EQ-5D Completed?**
**Short Name:  oneyear_eq5d**
**Field Type:  Yes/No**

**Definition** Indicate if the patient completed the EQ-5D questionnaire 12 months after surgery.

**Notes:**
1. Target timeframe for one year survey completion is <u>12-14</u> months following surgery date indicated in field #4.

   **March 2025:  Target timeframe for one year survey completion updated to 12-<u>14</u> months following surgery date**.
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**Field #: 16**
**Long Name:  Date of One Year EQ-5D Survey**
**Short Name:  oy_date_of_survey**
**Field Type:  Text (date_mdy)**

**Definition** Indicate the date in which the patient completed the one-year EQ-5D survey.

**Notes:**
   **1.** This question is enabled if "One Year EQ-5D Completed?" is 'yes'.

Required date format: mm-dd-yyyy
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**Field #: 17**
**Long Name:  1 Year Mobility**
**Short Name:  oy_eq5d_mb_31_usa_eng**
**Field Type:  Single Choice Radio Button**

**Definition:**  Choose the level of mobility as reported by the patient on the one-year EQ-5D survey.
1. I have no problems walking about
2. I have some problems walking about
3. I am confined to bed

**Notes:**
   **2.** This question is enabled if "One Year EQ-5D Completed?" is 'yes'.
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**Field #: 18**
**Long Name:  1 Year Self-Care**
**Short Name: oy_eq5d_sc_31_usa_eng**
**Field Type:  Single Choice Radio Button**

**Definition:**  Choose the level of self-care as reported by the patient on the one-year EQ-5D survey.
1. I have no problems with self-care
2. I have some problems washing or dressing myself
3. I am unable to wash or dress myself

  **Notes:**
       **2.** This question is enabled if "One Year EQ-5D Completed?" is 'yes'.
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**Field #: 19**
**Long Name:  1 Year Usual Activities**
**Short Name: oy_eq5d_ua_31_usa_eng**
**Field Type:  Single Choice Radio Button**

**Definition:**  Choose the level of usual activities as reported by the patient on the one-year EQ-5D survey.
1. I have no problems with performing my usual activities
2. I have some problems with performing my usual activities
3. I am unable to perform my usual activities

  **Notes:**
       **2.** This question is enabled if "One Year EQ-5D Completed?" is 'yes'.
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**Field #: 20**
**Long Name:  1 Year Pain / Discomfort**
**Short Name: oy_eq5d_pd_31_usa_eng**
**Field Type:  Single Choice Radio Button**

**Definition:**  Choose the level of pain/discomfort as reported by the patient on the one-year EQ-5D survey.
1. I have no pain or discomfort
2. I have moderate pain or discomfort
3. I have extreme pain or discomfort

  **Notes:**
       **2.** This question is enabled if "One Year EQ-5D Completed?" is 'yes'.
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**Field #: 21**
**Long Name:  1 Year Anxiety / Depression**
**Short Name: oy_eq5d_ad_31_usa_eng**
**Field Type:  Single Choice Radio Button**

**Definition:**  Choose the level of anxiety/depression as reported by the patient on the one-year EQ-5D survey.
1. I am not anxious or depressed
2. I am moderately anxious or depressed
3. I am extremely anxious or depressed

   **Notes:**
   **2.** This question is enabled if "One Year EQ-5D Completed?" is 'yes'.
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**Field #: 22**
**Long Name:  1 Year Health Today**
**Short Name: oy_eq5d_healthtoday_31_usa_eng**
**Field Type:  Slider**
**Min: 0**
**Max: 100**

**Definition:**  Choose the level of health today as reported by the patient on the one-year EQ-5D survey.  This scale is numbered from 0 to 100.  100 means the best health you can imagine.  0 means the worst health you can imagine.

   **Notes:**
   **1.** This question is enabled if "One Year EQ-5D Completed?" is 'yes'.
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**Field #: 23**
**Long Name:  Mortality Status at One Year**
**Short Name:  mort_status_oneyear**
**Field Type:  Single Choice Radio Button**

**Definition:**  Indicate the patient's mortality status 12 months after surgery date.
1. Alive
2. Dead
3. Unknown
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**Field #: 24**
**Long Name:  Date of Death**
**Short Name:  death_date_oneyear**
**Field Type:  Field Type:  Text (date_mdy)**

**Definition:**  Indicate the patient's date of death.

   **Notes:**
   **1.** This question is enabled if "Mortality Status at One Year?" is 'dead'.

Required date format: mm-dd-yyyy
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**Field #: 25**
**Long Name:  Hospital Readmission with Past Year**
**Short Name: readmit_oneyear**
**Field Type: Yes/No**

**Definition:**  Indicate if the patient has been readmitted to any hospital between post-discharge day 31 and 365.
1. Yes
2. No
3. Unknown

**Notes:**
1. The intent is to capture hospital readmissions that occur between post-discharge day 31 and 365. Do not include readmissions already captured in the 30-day follow-up section of the index surgery record in the STS database.

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**Field #: 26**
**Long Name:  Coronary Reintervention within Past Year**
**Short Name: reintervention_oneyear**
**Field Type: Yes/No**

**Definition:**  Indicate if the patient has undergone a coronary reintervention between post-discharge day 31 and 365.
1. Yes
2. No
3. Unknown

**Notes:**
1. The intent is to capture coronary reinterventions (CAB or PCI) that occur between post-discharge day 31 and 365.  Do not include those already captured in the post-op events section of the index surgery record in the STS database.

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**Field #: 27**
**Long Name:  Myocardial Infarction within Past Year**
**Short Name:  mi_oneyear**
**Field Type: Yes/No**

**Definition:**  Indicate if the patient has experienced a myocardial infarction between post-discharge day 31 and 365.
1. Yes
2. No
3. Unknown

**Notes:**
1. The intent is to capture myocardial infarctions that occur between post-discharge day 31 and 365.  Do not include those already captured in the post-op events section of the index surgery record in the STS database.

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Updated March 2025

**Field #: 28**
**Long Name:  Stroke within Past Year**
**Short Name: stroke_oneyear**
**Field Type: Yes/No**

**Definition:**  Indicate if the patient has experienced a stroke between post-discharge day 31 and 365.
   1. Yes
   2. No
   3. Unknown

   **Notes:**
      1. The intent is to capture strokes that occur between post-discharge day 31 and 365.  Do not include those already captured in the post-op events section of the index surgery record in the STS database.
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**Field #: 29**
**Long Name:  One Year Follow-Up Section Complete?**
**Short Name:  oneyear_complete**
**Field Type:  Yes/No**

**Definition:** This field can be used by sites to track completion of the one-year follow-up section.
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**Field #: 30**
**Long Name:  Complete?**
**Short Name: mstcvs_patient_reported_outcomes_complete**
**Field Type:  Dropdown**

**Definition:** This is a REDCap generated field and can be used by sites to track completion status of the REDCap patient record.
   1. Incomplete
   2. Unverified
   3. Complete