### PHASE OF CARE MORTALITY ANALYSIS:

#### Pre-Operative Phase
- **Cardiac risk factor profile e.g.**
  - Cardiogenic shock
  - Myocardial viability
- **Non-cardiac risk factor profile**
  - Renal failure on dialysis
  - COPD
  - Cirrhosis
  - Combination
- **Judgment**
  - Timing of surgery
  - Risk > benefit
- **Patient preparation**
  - Medical optimization failure
- **Patient evaluation**
  - Functional class
  - ID occult disease(s)
- **Other:**

#### Intra-Operative Phase
- **Anesthesia**
  - Technical (lines, TEE, ET)
  - Pharmacologic management
  - Recognition/treatment of decompensation
- **Surgeon**
  - Judgment
  - Technical (lacs, grafts, emboli)
  - Myocardial protection
- **Cardiopulmonary By-Pass**
  - Parameters (hct, MAP, mVO²)
  - Fluid management
- **CVA**
- **Catastrophic event (specify):**
- **Other:**

#### Post-Op ICU Phase
- **Hemodynamic management**
  - Inotrope titration
  - Adequate O² delivery
- **Respiratory care**
  - Prevent lung injury and VAP
  - Appropriate support plan
- **ICU care (Keystone criteria)**
  - DVT/PE prophylaxis
  - Sepsis prevention/treatment
  - Nutritional support
  - Multi-System Organ Failure
  - Failure to Thrive
- **Catastrophic event (specify):**
- **Other:**

#### Post-Op Floor Phase
- **Pharmacologic management**
  - Coumadin
  - Other
  - Pulmonary embolism
  - CVA
  - Dysrhythmia (Atrial or Vent)
- **Surveillance/recognition/Rx of decompensation**
  - Sepsis prevention/treatment
  - Catastrophic event (specify):
  - **Other:**

#### Discharge Phase
- **Appropriate disposition:**
  - e.g. Nursing home/ECF vs. home
- **Pharmacologic details**
- **Adequate instruction and support network**
- **Catastrophic event (specify):**
- **Other:**

**Seminal event and Mortality Avoidable?**
- **Yes**
- **No**
- **If Yes:**
  - **How:**

**If Avoidable:**
- **What has been implemented to prevent future similar event:**

---

This is a confidential professional peer review and quality assurance document of the MSTCVS Quality Collaborative. Unauthorized disclosure or duplication is absolutely prohibited. It is protected from disclosure pursuant to the provisions of Michigan Statutes MCL 333.20175; MCL 333.21513; MCL 333.21515; MCL 331.531; MCL 331.532; MCL.331.533 or such other statutes as may be applicable. Contributed by F.L. Shannon for use by the MSTCVS.