

CABG SSI Surveillance

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Surveillance

- ▶ CABG procedures have a 90-day SSI surveillance period
- ▶ At MSH, we utilize a clinical surveillance platform to gather our denominator data for the month
 - This platform pulls data directly from Epic
 - Real time alerts for readmitted CABG patients with positive micro reports
- ▶ After reviewing and determining any potential SSIs, we notify the surgeon and the CT surgery quality team
- ▶ When finalized, the SSI is reported to NHSN through the clinical surveillance platform

Peri-op Management

- ▶ Pre-operative Interventions
 - Chlorhexidine washes the night before and morning of surgery
 - Pre-op MRSA/MSSA screening and decolonization
 - Glucose control
- ▶ Intra-operative Interventions
 - For hair removal, use clippers if necessary
 - Maintain normothermia
 - Glucose control
 - Proper antimicrobial prophylaxis administration
 - Follow proper OR protocols for personnel
 - Proper surgical scrub of hands & nails
 - Management of anesthesia and perfusion equipment
 - Limit OR traffic

Peri-op Management

▶ Post-operative Interventions

- Standardized sterile wound dressing for chest and SVG sites
- Coordinated wound checks from RN and surgical team
- Control blood glucose
- Post-discharge follow-up scheduled prior to discharge
 - Within 1 week for high risk patients and within 2 weeks for all other patients

CABG SSI Workgroup

- ▶ CABG SSI Workgroup started in February 2012. It is a multidisciplinary group that meets monthly to do case reviews and discuss performance improvement initiatives
- ▶ Each discipline across the continuum of care is responsible for doing their own case review and reporting out to the group
- ▶ Each team has metrics/goals for the year and we have a rotating quarterly schedule for each to give an update

CABG SSI Workgroup initiatives

- ▶ Improved communications
 - Group emails for high risk patients
 - Inpatient and outpatient team communication for smooth transition of care
 - Outpatient care team and VNS direct communication
- ▶ Post-discharge follow-up scheduling
- ▶ Improved technique to decrease secondary site infections
- ▶ Improved documentation of wound prior to discharge (by uploading wound photo in EMR)
- ▶ Standardization of post-operative wound care

Example of CABG data

2021 CABG Score Card

January	February	March	April	May	June
1	0	1	0	0	1
July	August	September	October	November	December
1	0	0	1	0	0

2021 MSH Overall Rate– x.xx%
2021 MSH Sternal SSI Rate – x.xx%
2021 MSH Goal Rate (sternal) <x.xx%
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2020 MSH Overall Rate – x.xx%