**MN Public Reporting HAI: Surgical Procedure Indicator**

**Inclusion:**
A. Elective primary total knee arthroplasty and vaginal hysterectomy in patients 18 years of age and meet the following criteria:
   1. Operative procedure in which the surgeon makes a skin or mucous membrane incision including laparoscopic approach and primarily closes the incision before the patient leaves the operating room.
   2. ICD-9-CM code: Primary total knee arthroplasty = 81.54, Vaginal Hysterectomy = 68.5, 68.51, 68.59
   3. Admission and discharge date on different calendar days.

B) Surgical Site Infections occurring within 30 days after the operative procedure if no implant in place, or within 1 year if an implant is left in space.
   1. Infection is identified on operative admission, readmission to operative procedure facility or other facility.
   2. Involves deep soft tissues or organ / space only.

**Exclusions:**
A. Operative Procedures: Patients less than 18 years of age at the time of operative procedure, non-schedule, emergent or emergency procedures, procedure not included in the ICD-9-CM code specified, or when incision is not closed in the operating room, same day admission and discharge procedures.

B. Surgical Site Infections: superficial infections

**Sampling methodology:** 100% of cases. Frequency of monitoring will be evaluated for facilities with low or zero infection rates.

**Reporting:**
Numerator - number of patients who meet the CDC/NHSN surveillance definition criteria for surgical site infection by risk index.
Denominator - total number of surgical procedures by risk index.

<table>
<thead>
<tr>
<th>MEASURE</th>
<th>STANDARD FOR COLLECTION</th>
<th>Exclude</th>
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</thead>
<tbody>
<tr>
<td>Denominator</td>
<td>Determine the number of procedures by NNIS risk index</td>
<td>Revisions, Emergent, Urgent or non-scheduled procedures, Admitted and discharged on same calendar day</td>
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<tr>
<td>Numerator</td>
<td>Determine the number of deep, organ/space surgical site infections that meet the CDC/NHSN surveillance definition of health care–associated infection</td>
<td>Superficial infections, Survey / laboratory based without validation of deep, organ/space infection</td>
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<tr>
<td>Risk Index</td>
<td>Duration of surgery (skin incision to skin closure)*, ASA score and wound classification for each procedure</td>
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*If a patient returns to surgery within the first 24 hours of the original procedure, add the duration of the surgery for the return procedure to the first procedure. Examples may include: Return required due to uncontrolled bleeding, exploration of operative site.