What should I know about SCIP, ACS, NSQIP and NQF, and why?

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At the conclusion of this educational activity, the participants will be able to:

1. Understand the alphabet soup of quality metrics.
2. Appreciate the contribution of each database to the understanding of what constitutes quality.
3. Understand how to apply findings of these large databases to an individual practice.

A Glossary of Terms

SCIP – Surgical Care Improvement Project
• Housed within and run by the Joint Commission.
• Initiated in 2003 by CMS and the CDC.
• Now has 10 partner organizations with representation on the steering committee:
  o Agency for Healthcare Research and Quality
  o American College of Surgeons
  o American Hospital Association
  o American Society of Anesthesiologists
  o Association of perioperative Registered Nurses
  o Centers for Disease Control and Prevention
  o Centers for Medicare & Medicaid Services
  o Department of Veterans Affairs
  o Institute for Healthcare Improvement
• Current Core Measures:

<p>| SCIP Inf-1 | Prophylactic Antibiotic Received Within One Hour Prior to Surgical Incision |
| SCIP Inf-2 | Prophylactic Antibiotic Selection for Surgical Patients |
| SCIP Inf-3 | Prophylactic Antibiotics Discontinued Within 24 Hours After Surgery End Time |
| SCIP Inf-4 | Cardiac Surgery Patients With Controlled 6 A.M. Postoperative Blood Glucose |
| SCIP Inf-6 | Surgery Patients with Appropriate Hair Removal |
| SCIP Inf-9 | Urinary catheter removed on Postoperative Day 1 (POD 1) or Postoperative Day 2 (POD 2) with day of surgery being day zero@ |
| SCIP Inf-10 | Surgery Patients with Perioperative Temperature Management@ |
| SCIP Card-2 | Surgery Patients on Beta-Blocker Therapy Prior to Arrival Who Received a Beta-Blocker During the Perioperative Period |</p>
<table>
<thead>
<tr>
<th>SCIP VTE-1</th>
<th>Surgery Patients with Recommended Venous Thromboembolism Prophylaxis Ordered</th>
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<tbody>
<tr>
<td>SCIP VTE-2</td>
<td>Surgery Patients Who Received Appropriate Venous Thromboembolism Prophylaxis Within 24 Hours Prior to Surgery to 24 Hours After Surgery</td>
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**ACS-NSQIP – American College of Surgeons National Surgical Quality Improvement Program**

- Began as a quality improvement project within the VA hospitals.
- After a successful Agency for Healthcare Research and Quality funded pilot study in non-government hospitals, the ACS picked up the program and now runs it.
- Nationally validated, risk-adjusted, outcomes-based program that measures and improves quality.

**AQI – Anesthesia Quality Institute**

- AQI was established by the American Society of Anesthesiologists in October 2008.
- The mission of the AQI is "to develop and maintain an ongoing registry (NACOR) of case data that will become the primary resource for anesthesiologists looking to assess and improve patient care."
- NQF member organization. (See below)
- Multicenter Perioperative Outcomes Group member. (See below)
- Responsible for NACOR (National Anesthesia Clinical Outcomes Registry) and AIRS (Anesthesia Incident Reporting System).

**CMS**

- A federal agency within the United States Department of Health and Human Services (DHHS) that administers the Medicare program and works in partnership with state governments to administer Medicaid, the State Children's Health Insurance Program (SCHIP), and health insurance portability standards.
- Now aligns patient care goals with JC.

**CMS Hospital Compare**

- Provides information about the quality of care of over 4,000 CMS certified hospitals.
- Created by CMS with “collaboration” from many stakeholders.
- Data is sourced from administrative data bases.

**HAC Program – Hospital Acquired Conditions**

- Started in 2005 with the Deficit Reduction Act with required a payment decrease for poor-quality care.
- Created a list of events that should not happen in a hospital.
- Publically reported since 2012.
- Often confused with “never events” from NQF. (see below)
HCAPS – Hospital Consumer Assessment of Healthcare Providers and Systems
- Patient survey instrument developed by CMS and AHRQ.
- Endorsed by NQF.
- Now has two surveys “H” and “CG”. H reports hospital patient experiences where CG reports outpatient experiences.
- CG likely to be publicly reported in 2015.

IOM – Institute of Medicine
- American non-profit, non-governmental organization founded in 1970, under the congressional charter of the National Academy of Sciences.
- Its purpose is to provide national advice on issues relating to biomedical science, medicine, and health, and its mission to serve as adviser to the nation to improve health.
- It works outside the framework of the U.S. federal government to provide independent guidance and analysis and relies on a volunteer workforce of scientists and other experts, operating under a formal peer-review system.
- The Institute aims to provide unbiased, evidence-based, and authoritative information and advice concerning health and science policy to policy-makers, professionals, leaders in every sector of society, and the public at large.

MCPOG - Multicenter Perioperative Outcomes Group
- The Multicenter Perioperative Outcomes Group was formed in 2008 to develop the necessary policies, procedures, and technical infrastructure required for multicenter perioperative outcomes research.
- Currently exists as a consortium of 30 medical centers aggregating large volumes of observational inpatient electronic health record (EHR) data, patient reported outcomes, and long-term administrative outcomes.

NPSG - National Patient Safety Goals
- Run and orchestrated by the Joint Commission.
- Illustration of how JC is becoming more quality focused.
- The National Patient Safety Goals (NPSGs) were established in 2002 to help accredited organizations address specific areas of concern in regards to patient safety.
- 2014 goals: identify patients correctly, improve staff communication, use medication safely, use alarms safely, prevent infection, identify patient safety risks, prevent mistakes in surgery.

NQF – National Quality Forum
- Started in 1999 in response to recommendations from the President’s Advisory Commission on Consumer Protection in Health Care.
- The National Quality Forum (NQF) is a nonprofit, nonpartisan, public service organization committed to this transformation.
- Endorses other organizations safety metrics and goals.
- Publishes the “never list”.
PSIs - Patient Safety Indicators

- The Patient Safety Indicators (PSIs) are a set of indicators providing information on potential in hospital complications and adverse events following surgeries, procedures, and childbirth.
- Orchestrated by AHRQ.
- Based upon administrative data, the PSIs were developed after a comprehensive literature review, analysis of ICD-9-CM codes, review by a clinician panel, implementation of risk adjustment, and empirical analyses.
- There are currently 90 PSIs.
- Often included in hospital rankings (UHC, Leapfrog) and importantly in value based purchasing.

STS Database

- The STS National Database was established in 1989 as an initiative for quality improvement and patient safety among cardiothoracic surgeons.
- SCA added an anesthesiology module to the STS database in 2013.
- According to the STS website: The Society has developed quality performance measures in all three sub-specialties of surgery, and these measures have either been endorsed or are in the process of being considered for endorsement by the National Quality Forum.

Great reads:
