The ACS QSC will showcase 30 LIVE sessions, 60 on-demand sessions, and 400+ abstract presentations.

Please see page 9 for the on-demand program.
## Live Sessions

All session times are displayed in Central Time (CT).

### MONDAY, JULY 12

<table>
<thead>
<tr>
<th>TIME</th>
<th>SESSION</th>
<th>DESCRIPTION</th>
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</table>
| 8:15 – 9:00 am | L01     | Tracks: QV, ADU, CS, MB, CAN, GS, QIP, SS  
**Welcome: The Future of Quality Programs**  
*Moderator and Speaker: Clifford Ko, MD, MS, MSHS, FACS*  
Dr. Clifford Ko, Director of the American College of Surgeons (ACS) Division of Research and Optimal Patient Care, welcomes you to the 2021 ACS Quality and Safety Conference (QSC). In this session, Dr. Ko will share highlights of the conference, programmatic updates, and the future of the ACS Quality Programs. |
| 9:00 – 10:00 am | L02     | Tracks: QV, ADU, CS, MB, CAN, GS, QIP, SS  
**Quality Improvement (QI) Basics**  
*Moderator and Speaker: Lillian S. Kao, MD, MS, FACS*  
*Panelists: Rachel Kelz, MD, MSCE, MBA, and Elizabeth C. Wick, MD*  
Dr. Lillian Kao will join attendees live to unveil the Quality Improvement Course, a new initiative developed by Dr. Kao in collaboration with ACS, and preview the accompanying QI Basics conference series. **Live Q&A. The QI Basics Series can be found on-demand OD154-OD159.** |
| 10:00 – 11:00 am | L03     | Tracks: ADU  
**ACS NSQIP Adult SCR Trivia**  
*Moderator: Jake Lapsley, BSN, RN  
Speakers: Kathleen Maruyama, MSN, RN, and Rita J. Vargos, RN*  
This session is intended for ACS NSQIP Adult SCRs. The ACS Clinical Support Team will host an interactive trivia event to delve into challenging variables and complex clinical scenarios. Attendees will answer questions about complex clinical scenarios, and the Clinical Support Team will guide discussion on the answer rationale. **Space for this event is limited, and a separate registration is required. Please check the Engagement/Networking Events section of the QSC website for additional details.** |
| 11:00 am – 1:00 pm | L04     | Tracks: ADU, CS  
**Beyond Basics II: Advanced SCRs Optimizing ACS NSQIP**  
*Moderators and Speakers: Martha Antal, RN, BSN; Florence Elizabeth (Beth) Turrentine, PhD, RN; and Anita A. Volpe, DNP, APRN  
Speaker: Steve Merola, MD, FACS, FASMBS*  
This session will focus on the optimization of ACS NSQIP. Discussion topics include quality improvement, project management, negotiation, data skills, and partnership. This session is provided by three experienced SCRs with more than 30 years of experience combined, with a variety of interests and expertise, including project management, program development, research, and education. **Live Q&A.** |
### Live Sessions (Continued)

**TUESDAY, JULY 13**

#### 8:00–9:30 am L05

**Tracks:** SS

**Quality Databases in Low and Middle-Income Countries (LMICs): Challenges & Opportunities**

*Moderator and Speaker: Girma Tefera, MD, FACS*

*Speakers and Panelists: David C. Chang, PhD, MPH, MBA; Bethany Hedt-Gauthier, PhD; Tharcisse Ngambe, MBChB, FCPaed(SA); Lillian Mwape, Nurse; and Syed Nabeel Zafar, MD, MPH*

This session will focus on surgical and other quality databases in Low and Middle-Income Countries (LMIC) settings. The session will discuss and assess the need for standardized quality data collection tools. The speakers will also address the current challenges in collecting and providing patient care information for quality assurance purposes. They will also discuss current available databases in sub-Saharan Africa and evaluate their impact and outcomes. *Live Q&A.*

#### 9:30–10:30 am L06

**Tracks:** SS

**Surgical Specialties**

*Moderator and Speaker: Scott Levin, MD, FACS*

*Speakers: Linda Duska, MD, MPH, FACS; Marc R. Moon, MD; Christopher Saigal, MD; and Philip Wolinsky, MD*

The ACS Board of Regents invites you to listen to experts from the surgical fields of orthopaedics, obstetrics and gynecology, thoracic, and urology share items of interest from their respective specialties and how they may help other specialties.

#### 10:30–11:30 am L07

**Tracks:** SS

**ACS Board of Regents (BOR) Surgical Specialties: Bringing Together the House of Surgery Panel Discussion**

*Moderator and Speaker: Scott Levin, MD, FACS*

*Panelists: Anthony Atala, MD, FACS; Enrique Hernandez, MD, FACS; and Douglas E. Wood, MD, FACS, FRCSed*

This session will showcase four members of the ACS Board of Regents who represent different surgical specialties, including orthopaedics, obstetrics and gynecology, urology, and thoracic. Listen to the speakers share their specialty-specific perspectives and their vision for making the House of Surgery stronger than ever.

#### 12:00 noon–12:30 pm L08

**Tracks:** QV, ADU, CS, MB, CAN, GS, QIP, SS

**Keynote**

*Moderator and Speaker: Eduardo Garcia*

The 2021 ACS QSC keynote speaker, Eduardo Garcia, will share his personal story about overcoming obstacles and his journey toward becoming a patient. After a life-altering accident where he received a 2,400-volt electrical shock, Eduardo endured months of intensive care and came to realize his whole life before that moment had been preparing him for his ability to face the unknown.

#### 12:30–1:00 pm L09

**Tracks:** QV, ADU, CS, MB, CAN, GS, QIP, SS

**Keynote Speaker Interview with Dr. Wexner**

*Moderator: Steven D. Wexner, MD, PhD(Hon), FACS, FRCS(Eng), FRCS(Ed), FRCSI (Hon), Hon FRCS (Glasg)*

*Speaker: Eduardo Garcia*

Watch as Dr. Steven Wexner, Vice-Chair, ACS Board of Regents, interviews the 2021 ACS QSC keynote speaker, Eduardo Garcia. Dr. Wexner asks all of the questions about Eduardo Garcia and his experience that attendees will want to know the answers to.
## Live Sessions (Continued)

### TUESDAY, JULY 13

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<tr>
<th>Time</th>
<th>Tracks</th>
<th>Session Title</th>
<th>Moderator(s)</th>
<th>Speaker(s)</th>
<th>Details</th>
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<tbody>
<tr>
<td>1:00–2:00 pm</td>
<td>ADU</td>
<td><strong>Enhanced Recovery After Surgery (ERAS): What’s New, Evidence for Perioperative Pathways, Trivia Quiz Show</strong></td>
<td>Elizabeth C. Wick, MD</td>
<td>Kristen A. Ban, MD, MS; Chelsea P. Fischer, MD, MS; Michael C. Grant, MD, MSE; Deborah Hobson, MSN, RN; and Sarah Valek, RN, MSN, MBA</td>
<td>In this session, experts from the field will host an interactive quiz show on perioperative papers that relate to ERAS pathways from the last couple of years, aimed at helping hospitals ensure that their pathways are up to date. Space for this event is limited, and a separate registration is required. Please check the Engagement/Networking Events section of the QSC website for additional details.</td>
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### WEDNESDAY, JULY 14

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<tr>
<th>Time</th>
<th>Tracks</th>
<th>Session Title</th>
<th>Moderator(s)</th>
<th>Speaker(s)</th>
<th>Details</th>
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<tbody>
<tr>
<td>8:00–9:15 am</td>
<td>CS</td>
<td><strong>Children’s Surgery Quality Improvement Projects</strong></td>
<td>Rebecca Forton, BSN, RN, CPN</td>
<td>Tina Kirshenbaum, MS, RN, CPN; Michelle Matthews, RN, BSN; and Stephanie Nunn, MSN, RN, CNOR</td>
<td>In this session, Children’s Surgery Program Managers (CSPMs) will present on quality improvement projects initiated at their children’s hospitals. Projects on Children’s Surgery Verification (CSV) data collection optimization and prompt operating room (OR) response times for emergencies will be reviewed, in addition to other topics. Live Q&amp;A.</td>
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<tr>
<td>8:00–8:45 am</td>
<td>GS</td>
<td><strong>The Hospital Experience: Implementing the Geriatric Surgery Verification (GSV) Program</strong></td>
<td>Marcia M. Russell, MD, FACS</td>
<td>Dianne Bettick, MSN, CSN, RN; Thomas N. Robinson, MD, MS, FACS; and Matthew P. Schiralli, MD</td>
<td>For the rapidly aging and older adult population, surgical needs are an undeniable reality. The Geriatric Surgery Verification (GSV) Program aims to address this health care challenge by equipping hospitals with 30 essential standards for providing optimal geriatric surgical care. Implementing a new program can be a daunting challenge and will vary widely from hospital to hospital. For this session, participating GSV hospitals will provide insight on their experiences with implementing the GSV Standards by sharing their challenges, successes, and quality improvement strategies. Live Q&amp;A.</td>
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<tr>
<td>9:45–11:00 am</td>
<td>CS</td>
<td><strong>Children’s Surgery Verification Standards 2.0</strong></td>
<td>Constance S. Houck, MD, MPH, FAAP</td>
<td>Douglas C. Bamhart, MD, MSPH, FACS; Catherine Grant, BSN, RN; and Keith T. Oldham, MD, FACS</td>
<td>This session is dedicated to the release of the second edition of <em>Optimal Resources for Children’s Surgical Care</em> and lessons learned from the first 30 CSV verified sites. Members of the CSV Committee and ACS team will provide an overview of the revision process, new format, and major changes to the program requirements. Live Q&amp;A.</td>
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# Live Sessions (Continued)

## WEDNESDAY, JULY 14

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<tr>
<th>Time</th>
<th>Track</th>
<th>Session Details</th>
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| 11:00 am–12:00 noon | CS L14 | **ACS NSQIP Pediatric SCR Trivia**  
*Moderator: Claudia Byrd, RN, BS*  
*Speakers: Alaina Matthews, RN, BSN, CCRN, and Cassie Mets, BSN, RN*  
This session is intended for ACS NSQIP Pediatric SCRs. The ACS Clinical Support Team will host an interactive trivia event to delve into challenging variables and complex clinical scenarios. Attendees will answer questions about complex clinical scenarios, and the Clinical Support Team will guide discussion on the answer rationale.  
*Space for this event is limited, and a separate registration is required. Please check the Engagement/Networking Events section of the QSC website for additional details.* |

## THURSDAY, JULY 15

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<tr>
<th>Time</th>
<th>Track</th>
<th>Session Details</th>
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| 8:00–9:00 am | MB L15 | **Quality Improvement Projects on Steroids: Elevating the Bar on QI Projects**  
*Moderator and Speaker: Teresa R. Fraker, MS, RN*  
*Speakers and Panelists: Matthew Brengman, MD, FACS, FASMBS; Melissa M. Davis, DNP, APN-BC, CNS, FAANP; and Betsy Felde, RDN, LDN*  
Quality improvement is the foundation of a thriving MBSAQIP-accredited center’s program. In this session, attendees will hear from one of ACS’ on-site surgeon reviewers to understand what sets some centers apart from their peers, learn how to leverage the custom fields in the MBSAQIP Registry for tracking a QI project, and review common barriers and how to overcome them. Also, representatives from two accredited centers will describe their QI projects.  
*Live Q&A.* |
| 9:00–10:00 am | MB L16 | **MBSAQIP MBSCR Trivia**  
*Moderators and Speakers: Lisa Hale, MSN, RN, CNOR, and Jesus Diaz, MSHI, BSN, RN*  
In this session, the MBSAQIP Clinical Support Team will host an interactive group trivia event to delve into challenging variables and complex clinical scenarios. Attendees will answer questions about complex clinical scenarios, and the Clinical Support Team will guide discussion on the answer rationale.  
*Space for this event is limited, and a separate registration is required. Please check the Engagement/Networking Events section of the QSC website for additional details.* |
| 10:00–11:00 am | MB L17 | **MBSAQIP Data: Tips and Tricks for Keeping Score**  
*Moderator and Speaker: Lisa Hale, MSN, RN, CNOR*  
* Speakers and Panelists: Linda Neumann-Potash, RN, MN, CBN, and Chele Wells, BSN, BA, RN, CPPS*  
In this session, attendees will learn how one MBSCR created score cards and dashboards in order to raise the bar on quality within her center. We will also look at ways you can optimize your EMR for thorough data capture.  
*Live Q&A.* |
### Live Sessions (Continued)

**All session times are displayed in Central Time (CT).**

#### THURSDAY, JULY 15

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11:00 am–12:30 pm</td>
<td>18</td>
<td>MB</td>
<td><strong>MBS Coordinator Speed Networking</strong></td>
<td><strong>Moderator:</strong> Teresa R. Fraker, MS, RN</td>
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<td>In this interactive session, the participants are the experts. Attendees will</td>
<td>**Space for this event is limited, and a separate registration is required. Please</td>
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<td>break up into groups to discuss the hottest topics in the MBS Coordinator role</td>
<td>check the Engagement/Networking Events section of the QSC website for additional</td>
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<td></td>
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<td>and share tips and tricks with peers, all while building your MBS Coordinator</td>
<td>details.</td>
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<td>network for the future.</td>
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#### FRIDAY, JULY 16

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<th>Time</th>
<th>Room</th>
<th>Tracks</th>
<th>Session Title</th>
<th>Moderator/Panelists</th>
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<tr>
<td>8:00–9:15 am</td>
<td>19</td>
<td>CAN</td>
<td><strong>Performance Data: Why Is It Important and What Do You Do with It?</strong></td>
<td><strong>Moderator and Speaker:</strong> Daniel Boffa, MD, FACS</td>
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<td><strong>Panelists:</strong> Elizabeth Berger, MD, MS; Laurie J. Kirstein, MD, FACS; and</td>
<td>This session will address the basics of quality improvement and using data to</td>
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<td>Sharon Lum, MD, FACS</td>
<td>evaluate and improve the quality of cancer care. <strong>Live Q&amp;A.</strong></td>
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<tr>
<td>8:00–9:00 am</td>
<td>20</td>
<td>CAN</td>
<td>**Measuring and Reducing Disparities in Cancer Care: Lessons from Successful</td>
<td><strong>Moderator:</strong> Rebecca Snyder, MD, MPH, FACS</td>
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<td>Programs**</td>
<td><strong>Speakers and Panelists:</strong> Samuel Cykert, MD; Lauren Willcox, MD; and Shruti</td>
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<td>Zaveri, MD, MPH</td>
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<td>In this session, panelists will describe the implementation and results of</td>
<td>Attendees will learn how to measure disparities (such as racial/ethnic, geographic,</td>
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<td>effective, multi-level interventions designed to reduce programmatic</td>
<td>socioeconomic, gender, or sexual orientation) within an individual cancer program.</td>
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<td>disparities in cancer care. Attendees will learn how to measure disparities</td>
<td>Also covered will be how to develop quality improvement initiatives designed to</td>
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<td>(such as racial/ethnic, geographic, socioeconomic, gender, or sexual</td>
<td>specifically reduce disparities. <strong>Live Q&amp;A.</strong></td>
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<td>orientation) within an individual cancer program. Also covered will be how to</td>
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<td>develop quality improvement initiatives designed to specifically reduce</td>
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<td>disparities.</td>
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<td>9:30–10:30 am</td>
<td>21</td>
<td>CAN</td>
<td>**Operative Standards: Evaluating the Quality Issues with Implementing the</td>
<td><strong>Moderator:</strong> Mediget Teshome, MD, FACS</td>
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<td>Operative Standards**</td>
<td><strong>Speakers and Panelists:</strong> Alexander M. Adams, MD, MPH; Ryan P. Merkow, MD, MS,</td>
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<td>FACS; Patrick McCarthy, MD; Puneet Singh, MD, CMQ; and Timothy J. Vreeland, MD,</td>
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<td>FACS</td>
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<td>This session will evaluate the quality issues with implementing the operative</td>
<td>including, but not limited to, administrative support, reporting systems, physician</td>
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<td>standards, including, but not limited to, administrative support, reporting</td>
<td>technique, data management, and documentation. <strong>Live Q&amp;A.</strong></td>
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<td>systems, physician technique, data management, and documentation. <strong>Live Q&amp;A.</strong></td>
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<tr>
<td>9:30–10:30 am</td>
<td>22</td>
<td>CAN</td>
<td><strong>Best Practices in Improving Surgical Oncology</strong></td>
<td><strong>Moderator:</strong> Bruce Brenner, MD, MEHP, FACS</td>
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<td><strong>Speakers and Panelists:</strong> Maribeth Anderson, MS; Katherine Kopkash, MD,</td>
<td>Presenters, selected from the call for best practices, will discuss improvements</td>
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<td>FACS; Garren Low, MD; Xinyi Luo, MD; Jodi M. Selzer DNP; and Joseph J. Weber,</td>
<td>related to breast and colon cancer. <strong>Live Q&amp;A.</strong></td>
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<td>MD, FACS</td>
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## Live Sessions (Continued)

**FRIDAY, JULY 16**

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<tr>
<th>Time</th>
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<th>Session</th>
<th>Moderator/Panelists</th>
<th>Description</th>
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<tbody>
<tr>
<td>11:00 am–12:00 noon</td>
<td>CAN</td>
<td>Compliance with Quality Measures: Practical Examples from the Field</td>
<td>Timothy W. Mullett, MD, MBA, FACS; Elizabeth Berger, MD, MS; Mary E. Charlton, PhD; Cindy Traylor-Richards, CTR; Thomas C. Tucker, PhD, MPH</td>
<td>This session will include practical examples of how compliance issues with the 12 lymph node measures were identified and changes implemented, improving the quality of care and patient outcomes. Commission on Cancer-accredited programs will share their experiences.</td>
<td>Live Q&amp;A</td>
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<tr>
<td>11:00 am–12:00 noon</td>
<td>CAN</td>
<td>From Staging to Outcome: Why Bother?</td>
<td>Alexander Olawaiye, MD, FACS, FRCOG, FACOG; Thomas Collins, MBA, CSSBB; Stephen B. Edge, MD, FACS; Lindsay Petersen, MD, FACS</td>
<td>This session will focus on changes to the staging system for breast, cervix, and other cancers. Speakers will discuss how the revised staging has improved care, review successful strategies for physician education related to the changes, and describe actions to facilitate implementation by surgeons, physicians in other specialties, as well as allied health professionals.</td>
<td>Live Q&amp;A</td>
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<tr>
<td>12:30–1:30 pm</td>
<td>CAN</td>
<td>Moving from Survivorship Plans to Programs: Creating a Culture of Change</td>
<td>Susan C. Hedlund, MSW, LCSW, OSW-C, FAOSW; Mandi L. Chapman, MA, PhD; Nicole Kulasa, RN, OCN; Sharon Lum, MD, FACS; Carol Rosenberg, MD; Rachael Schmidt, DNP, APRN, AOCNP</td>
<td>This session will include a discussion of the importance of survivorship services for patients throughout the patient experience and practical examples of successful transitions provided by programs that have made this important shift.</td>
<td>Live Q&amp;A</td>
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<tr>
<td>12:30–1:30 pm</td>
<td>CAN</td>
<td>Hybrid Cancer Care: Wave of the Future</td>
<td>Kimberly M. Dalal, MD, FACS; Sean Collins, MD; Timothy W. Mullett, MD, MBA, FACS; Virginia Schaffer, MA, EdS</td>
<td>This session will focus on new methods for bringing care to the patient and improving access to care in rural settings and in safety net hospitals. Specific topics will include the impact of telemedicine, partnering with primary care providers, improving care across the system, and using patient navigators to enhance care delivery.</td>
<td>Live Q&amp;A</td>
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<tr>
<td>2:00–3:00 pm</td>
<td>CAN</td>
<td>Quality Measures and the Impact of Accreditation on Quality Improvement</td>
<td>Richard J. Bleicher, MD, FACS; M. Kathleen Christian, MD, FACS; James W. Fleshman, Jr., MD, FACS, FASCRS; Anthony D. Yang, MD, MS, FACS; Katherine Yao, MD, FACS</td>
<td>This session will compare the difference between a quality measure and accreditation standard, discuss critical elements needed to define a quality measure versus the standard of care, and focus on incorporating patient safety indicators into value-based care.</td>
<td>Live Q&amp;A</td>
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### FRIDAY, JULY 16

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<tr>
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<th>Moderator</th>
<th>Speakers and Panelists</th>
<th>Description</th>
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<tbody>
<tr>
<td>2:00 – 3:00 pm</td>
<td>L28</td>
<td>Incorporating Patient Reported Outcomes (PROs) into Quality Improvement</td>
<td>Audree Tadros, MD, FACS</td>
<td>Casey Allen, MD; Jennifer R. Cracchiolo, MD; and Tracy-Ann Moo, MD, FACS</td>
<td>This session will highlight examples of validated patient reported outcomes studies and how to incorporate the data into quality improvement measures. Live Q&amp;A.</td>
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<tr>
<td>3:30 – 4:30 pm</td>
<td>L29</td>
<td>Re-Engagement in Cancer Screening in the Era of COVID-19: How to Bring Our Patients Back</td>
<td>Elizabeth Berger, MD, MS</td>
<td>Kathie-Ann Joseph, MD, MPH; Christina Minami, MD, MS; and Heidi Nelson, MD, FACS</td>
<td>The session will highlight the value of screening activities, the decreased screening activity caused by the pandemic, and strategies for increasing cancer screening rates as activities normalize. A discussion about the return to cancer screening quality improvement project and clinical study will be included. Live Q&amp;A.</td>
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<tr>
<td>3:30 – 4:30 pm</td>
<td>L30</td>
<td>Incorporating the Patient Journey into Quality Standards</td>
<td>Jill R. Dietz, MD, MHCM, FACS</td>
<td>David W. Dietz, MD, FACS; Scott H. Kurtzman, MD, FACS; and Randy Stevens, MD Panelist: Michelle Bean, PhD</td>
<td>Session speakers will discuss how to incorporate the patient experience into quality cancer care in all cancer-related accreditation programs. Live Q&amp;A.</td>
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## On-Demand Sessions

All on-demand sessions will be available beginning July 12 at 8:00 am CT

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| OD101   | **SCR Essentials: Building a Foundation for Success**  
**Speakers:** Caryn Foster, BS, RN; David L. Lunney, MPH, PT; and Steven Merzlak  
In this session, experienced SCRs and the Clinical Support Team will share their insight regarding the successful implementation of ACS NSQIP and ACS NSQIP Pediatric within hospitals. Topics will include resources on the quality data platform, data automation, workflow tips, effective data abstraction techniques, and building strong relationships with the Surgeon Champion and other hospital staff. This session is recommended for SCRs with less than one year of experience. |
| OD102   | **Successful Follow-Up: What Every SCR Needs to Know**  
**Speakers:** Kathleen Maruyama, MSN, RN; Summer Smith, RN, MSN, CNL, SCR; and Mary Ward, RN, BSN, BA  
Obtaining 30-day follow-up for quality improvement registries is a challenging task. Fortunately, there are tools and methods to make this process easier and more efficient. In this session, experienced SCRs will provide field-tested tips to stay organized and discuss innovative methods to obtain follow-up. The Clinical Support Team will review the 30-day follow-up policy. This session is recommended for SCRs with less than one year of experience. |
| OD103   | **Putting the Data to Work: Quality Improvement for the Experienced SCR**  
**Moderators:** Alaina Matthews, RN, BSN, CCRN, and Cassie Mets, BSN, RN  
**Speakers and Panelists:** Martha Antal, RN, BSN; Sharon Nehring, RN, BSN; and Kori Wolcott, BSN, RN, CPHQ  
In this session, experienced SCRs will demystify the process of analyzing the data to identify opportunities for improvement. Topics for this session will include drilling down on cases with suboptimal performance, real-world examples employing benchmarking reports, building a customized data dashboard, and effectively disseminating data within your hospital. This session is recommended for SCRs with more than one year of experience. |
| OD104   | **Surgical Anatomy for ACS NSQIP Adult**  
**Speakers:** Alonso H. Andrade, MD, FACS; Susan L. Gearhart, MD, FACS, FASCARS, MEHP; Michael G. House, MD, FACS, FSSO; Francis Spitz, MD, FACS; and Rahul Tevar, MD  
This session enables SCRs to further enhance their knowledge of surgical anatomy for procedures captured in ACS NSQIP. Sound knowledge and understanding of the surgical anatomy and the complications that can occur with these operations will assist SCRs during chart abstraction and may also help in developing quality improvement initiatives. |
| OD105 | Tracks: ADU, CS  
**A Surgeon Champion’s Guide to Quality Improvement I: Understanding QI**  
* Moderator and Speaker: Anita A. Volpe, DNP, APRN  
* Speakers and Panelists: Timothy Jackson, MD, MPH, FRCSC, FACS; Steve Merola, MD, FACS, FASMBs; Joe H. Patton, Jr., MD, FACS; and Amalia J. Stefanou, MD, FACS, FASCRS  
This session is designed to give Surgeon Champions the basic building blocks of quality improvement. Attendees will explore the fundamentals of QI, including topics such as team building, interpreting the data, and overcoming barriers to QI. Surgeon Champions will have the opportunity to learn from others. This session is intended for the beginner- to intermediate-level Surgeon Champions. |
|---|---|
| OD106 | Tracks: ADU, CS  
**A Surgeon Champion’s Guide to Quality Improvement II: Going beyond the Data**  
* Moderator: Anita A. Volpe, DNP, APRN  
* Speakers: Timothy Jackson, MD, MPH, FRCSC, FACS; Steve Merola, MD, FACS, FASMBs; Joe H. Patton, Jr., MD, FACS; and Amalia J. Stefanou, MD, FACS, FASCRS  
This session will go beyond the basic building blocks of quality improvement and is intended for Surgeons of all experience levels. Attendees will explore more advanced principles in QI and culture change. Topics include going from outcomes data to QI, data sharing and the effectiveness of collaboratives, and embedding ACS NSQIP into the culture at your institution. The session will also give tangible examples of effective QI projects and efforts and will give Surgeon Champions the opportunity to learn from others. |
| OD107 | Tracks: ADU, CS  
**Surgeon Champions as Leaders in Quality**  
* Moderator and Speaker: Jyotirmay Sharma, MD, FACS  
* Speakers and Panelists: Patricia L. Turner, MD, MBA, FACS, and John M. Hwang, MD, FRCSC  
This session will look at the fundamental building blocks of quality improvement and the basics of good leadership and how they relate to the role of the Surgeon Champion. Attendees will explore a variety of leadership topics and will learn how they can combine these principles with QI to grow from a Surgeon Champion to a leader in quality. This session is designed for Surgeon Champions of all experience levels. |
| OD108 | Track: CS  
**Pediatric Surgery Health Equity**  
* Moderator: Mary E. Fallat, MD, FACS  
* Speakers and Panelists: Robert A. Cina, MD; Emilie K. Johnson, MD, MPH, FACS; Olubukola O. Nafiu, MD, FRCA, MS; and Erika L. Newman, MD  
This session will focus on health equity in the field of pediatric surgery. Presentations will detail how health disparities have been explored using ACS NSQIP Pediatric and other data. |
## On-Demand Sessions (Continued)

<table>
<thead>
<tr>
<th>Track: CS</th>
<th>Development of Best Practices to Improve Antimicrobial Stewardship in Pediatric Surgery: Defining the Role for Prioritization and Implementation Strategy</th>
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<tbody>
<tr>
<td>Moderator and Speaker: Shawn J. Rangel, MD, MSCE</td>
<td>Speakers and Panelists: Rebecca Isserman, MD; Sara Malone, PhD(c), LCSW; Jason Newland, MD, MEd; and Jonathan M. Tan, MD, MPH, MBI</td>
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</table>

This session will provide an update on the NSQIP Pediatric Antibiotic Stewardship Pilot, outline a prioritization roadmap for the development of best practices surrounding use of surgical prophylaxis, and provide examples of implementation strategies to facilitate culture change around prophylaxis utilization. The NSQIP Pediatric Antibiotic Stewardship Pilot has grown immensely since it was first introduced at the Quality and Safety Conference in 2018. This session will provide an update on the current state of the program, including implementation of the variables into standard NSQIP Pediatric data collection as of January 2021.

<table>
<thead>
<tr>
<th>Track: CS</th>
<th>Surgical Anatomy for ACS NSQIP Pediatric</th>
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<tbody>
<tr>
<td>Speakers: Karthik Balakrishnan, MD, MPH; Tamar L. Levene, MD, MS; Adam Rensing, MD; Danielle S. Walsh, MD, FACS, FAAP, CPHQ; and Sani Z. Yamout, MD, FACS</td>
<td>This session enables SCRs to further enhance their knowledge of surgical anatomy for procedures captured in ACS NSQIP Pediatric. Sound knowledge and understanding of the surgical anatomy and the complications that can occur with these operations will assist SCRs during chart abstraction and may also help in developing quality improvement initiatives.</td>
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<tr>
<th>Track: GS</th>
<th>We Are the Champions: Experiences from Advocates of Geriatric Health Care</th>
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<tbody>
<tr>
<td>Moderator: Ronnie Rosenthal, MD, MS, FACS</td>
<td>Speakers and Panelists: Mattia J. Gilmartin, PhD, RN, FAAN; Kathleen Kelly, MPA; and Lisa M. Walke, MD, MSHA, AGSF</td>
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</table>

Advances in the quality of geriatric surgery have largely been driven by health care advocates who have been empowered to improve surgical outcomes for older adults. The complex needs of these patients require the attention of an array of professionals in order to formulate and execute comprehensive treatment plans. This session is intended to be a resource for all health professionals with a passion for aging patients.

<table>
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<tr>
<th>Track: GS</th>
<th>Lessons Learned in Caring for the Vulnerable Older Adult Population during a Pandemic</th>
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<tr>
<td>Moderator: Emily Finlayson, MD, MS, FACS</td>
<td>Speakers and Panelists: Subhendra Banerjee, MD, FACS; Rachelle Bernacki, MD, MS; and Sanjay Mohanty, MD, MS</td>
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The COVID-19 pandemic has and continues to prompt many challenges to the health care system and how we care for our patients. With a pandemic that preferentially affects older adults, it has remained especially true for this already vulnerable population. This session will highlight lessons learned from the unique challenges faced by hospitals and their successful adaptations that were essential in order to continue providing high-quality surgical care to geriatric patients.
On-Demand Sessions (Continued)

| Track: GS | OD113 | Geriatric Surgery Verification (GSV) Program Standards Promote Value-Based Care  
**Moderator:** Mark Katlic, MD, MMM, FACS  
**Speakers and Panelists:** Alexandra Briggs, MD; Susan L. Gearhart, MD, FACS, FASCRS, MEHP; and Matthew P. Schiralli, MD  
Mitigating today’s ever-increasing health care costs while simultaneously providing high-quality, cost-effective care is a burden many hospitals confront on a daily basis. The importance of reducing costs while providing high-quality care is reflected in current health care payment models like value-based care, which financially incentivizes providers and hospitals to improve patient health outcomes. Speakers will address how improving surgical outcomes for older adults leads to improved value of surgical care in this complex and costly population. |
| Track: GS | OD114 | The Refined Surgical Care for the Older Adult Patient  
**Moderator:** Victoria Tang, MD, MAS  
**Speakers and Panelists:** Sevdenur Cizginer, MD, MPH; Courtney Collins, MD; and Kathryn N. Porter Starr, PhD, RD  
Providing surgical care to the older adult population is a multidisciplinary effort requiring the skills and expertise of a variety of clinicians, such as surgeons, nurses, geriatricians, and pharmacists to name a few. Optimizing care in this fashion requires an extraordinary level of coordination amongst care teams both inside and out of the hospital. While it is necessary to streamline how this multidisciplinary care effort is operationalized, the patient experience is just as important in providing high-quality surgical care and ensuring better patient outcomes for the older adult. This session will demonstrate how the Geriatric Surgery Verification (GSV) Standards not only optimize patient care for the older adult, but also the patient experience from preop to beyond discharge. |
| Track: GS | OD115 | Stump the Expert: What Would You Do?  
**Moderators:** Meixi Ma, MD, MS  
**Panelists:** Anita English, MSN, RN-BC; Mark Katlic, MD, MMM, FACS; Hadiza S. Kazaure, MD; and Marcia M. Russell, MD, FACS  
What would you do when presented with a unique patient case? How might you best prehab your patient? Or what discussions would you have with the patient or their loved ones? Listen in as surgeons, presented with complex surgical cases involving older adult patients, discuss their decision-making process. Hear how they might address patient needs, surgical options, and postoperative treatment plans. |
| Track: GS | OD116 | Supporting the Older Adult Patient: What Is Palliative Care in Geriatric Surgery?  
**Moderator:** Rachelle Bernacki, MD, MS  
**Speakers and Panelists:** Zara Cooper, MD, MSc; Kellie L. Flood, MD; and Anne Mosenthal, MD, FACS  
For the older adult surgical patient, the focus on maintaining one’s quality of life is essential, especially after surgery. Addressing what factors into the older adult patient’s quality of life requires an interdisciplinary approach known as palliative care. Speakers will discuss various aspects of palliative care and how it can help optimize the quality of life for the older adult population undergoing surgery. |
### On-Demand Sessions (Continued)

| OD117 | Track: MB | MBS Director Leadership: A “How To” Guide  
**Moderator:** Teresa LaMasters, MD, FACS, FASMBS, DABOM  
**Speakers and Panelists:** Valerie Halpin, MD, FACS, FASMBS, and Corrigan L. McBride, MD, MBA, FACS, FASMBS  
The MBS Director is the captain of each MBSAQIP-accredited center. In this session, attendees will learn what that really means, including leadership requirements and how a climate of openness (including airing your own “dirty laundry”) can help raise the bar on quality at your center, and how to lead the tough conversations with your surgeons and staff. |
| --- | --- | --- |
| OD118 | Track: MB | MBS Coordinator Bootcamp Part I  
**Moderator:** Teresa R. Fraker, MS, RN  
**Speakers and Panelists:** Maria Immonen, MSN, RN, CNL; Linda Neumann-Potash, RN, MN, CBN; and Carmela M. Pontillo, RN, MSN, CBN  
Navigating the MBS Coordinator role can be tricky without a roadmap. This session will cover the core elements of the role, the MBS team, and how to thrive as your center’s MBS Coordinator. From what to do if you are the MBS Coordinator and the MBSCR to explaining the MBS Coordinator’s role in quality improvement projects, this bootcamp will get you in shape to be the best MBS Coordinator for your program. |
| OD119 | Track: MB | MBS Coordinator Bootcamp Part II  
**Moderator:** Teresa R. Fraker, MS, RN  
**Speakers and Panelists:** Heidi Bednarchuk, APRN, CNS, CBN; Pam R. Davis, RN, MBA, CBN; Ruth Davis, MBA, BSN, RN; and Melissa C. Majumdar, MS, RD, CSOWM, LDN  
Navigating the MBS Coordinator role can be tricky without a roadmap. This session will focus on patient education, managing support groups, navigating your hospital’s resources, and insurance coverage. This bootcamp will get you in shape to be the best MBS Coordinator for your program. |
| OD120 | Track: MB | MBSAQIP Standards Review: The Most Commonly Asked Questions  
**Speakers:** Courtney Polos, MLS(ASCP)CM, and Paul Jeffers, BA  
While the MBSAQIP Standards are written to be as black and white as possible, there are always some gray areas. This session will cover the most common questions and tricky situations that we encounter with our accredited centers, including job descriptions, anesthesia pathways, call coverage, credentialing, and changes in your program’s personnel. |
| OD121 | Track: MB | Bariatric Surgery Targeting Opioid Prescriptions (BSTOP): Initial Findings  
**Moderator:** Stacy A. Brethauer, MD, FACS, FASMBS  
**Speakers and Panelists:** Anthony Petrick, MD, FACS, FASMBS, and Donna Post, BSN, CBN  
Bariatric Surgery Targeting Opioid Prescriptions is the MBSAQIP’s third national QI project and our largest so far. More than 300 MBSAQIP-accredited centers have participated in this QI project aimed at reducing opioid prescriptions. While data are still being collected, we are excited to share some initial findings from this project. |
### On-Demand Sessions (Continued)

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<tr>
<th>Track: MB</th>
<th>The Value Equation of Bariatric Surgery: The Surgeon’s Voice</th>
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<tr>
<td><strong>Moderator:</strong> Matthew M. Hutter, MD, MBA, MPH, FACS, FASMBS</td>
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<td><strong>Speakers and Panelists:</strong> Anthony Petrick, MD, FACS, FASMBS; Ninh Nguyen, MD, FACS, FASMBS; and Joe Northup, MD, FACS, FASMBS</td>
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<td>We know the equation for value, but how do you get there? In this session, attendees will learn approaches to understanding your MBSAQIP center’s production costs, including one center’s experience with the ACS THRIVE program, as well as bundled care and payment strategies.</td>
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<tr>
<th>Track: MB</th>
<th>Surgical Optimization: A Bariatric Surgeon’s Wheelhouse</th>
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<tr>
<td><strong>Moderator:</strong> Shanu Kothari, MD, FACS, FASMBS</td>
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<td><strong>Speakers and Panelists:</strong> Stacy A. Brethauer, MD, FACS, FASMBS; Teresa LaMasters, MD, FACS, FASMBS, DABOM; and Elizabeth A. Lowden, MD</td>
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<td>Optimizing our patients for surgery will help them achieve the best possible outcomes, but what are the techniques for ensuring proper preoperative optimization? In this session, we will cover the key principles for optimizing metabolic and bariatric surgery patients for a safe and efficacious surgical recovery.</td>
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<tr>
<th>Track: MB</th>
<th>A Day in the Life of an MBSCR</th>
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<tr>
<td><strong>Moderators:</strong> Jesus Diaz, MSHI, BSN, RN, and Lisa Hale, MSN, RN, CNOR</td>
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<td><strong>Panelists:</strong> Donna Post, BSN, CBN; Carol Shea, RN, CBN; and Linda S. Trainor, RN, BSN, CBN, MBSCR</td>
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<td>This session will cover topics relevant to MBSCRs and will include optimization of the EMR and workflow and long-term follow-up tips and tricks. Real-life scenarios and topics that MBSCRs in the field experience will be discussed. Led by the MBSAQIP Clinical Support Team, a panel of experienced MBSCRs will provide interactive question and answer opportunities as well as provide suggestions for networking.</td>
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<tr>
<th>Track: MB</th>
<th>Surgical Anatomy for MBSAQIP</th>
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<tr>
<td><strong>Speakers:</strong> Stacy A. Brethauer, MD, FACS, FASMBS; Teresa LaMasters, MD, FACS, FASMBS, DABOM; Joe Northup, MD, FACS, FASMBS; and Matt R. Pittman, MD, FACS, FASMBS</td>
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<td>In this session, MBSAQIP surgeons will discuss surgical anatomy for metabolic and bariatric procedures. The session will cover primary and revisional metabolic and bariatric procedures, common complications, common surgical techniques, and emerging metabolic and bariatric technologies.</td>
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<tr>
<th>Track: MB</th>
<th>MBSAQIP Patient Reported Outcomes Overview</th>
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<tr>
<td><strong>Moderator:</strong> Kimberly Evans-Labok, BA</td>
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<tr>
<td><strong>Speaker:</strong> Matthew M. Hutter, MD, MBA, MPH, FACS, FASMBS</td>
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<td><strong>Panelist:</strong> Kellie C. Armstrong, MS, RN, CBN</td>
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<td>Patient-reported outcomes measures (PROM) allow us to include our patients’ voices in the assessment of whether a treatment was successful. In this session, we will discuss the development of the current MBSAQIP PROMs Program, and hear how one program has been successfully implementing PROMs into their workflow.</td>
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<td>On-Demand Sessions (Continued)</td>
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| **OD127** | Tracks: QV, ADU, QIP, SS
**Unveiling the ACS Quality Verification Program (ACS QVP)**
*Speakers:* Chelsea P. Fischer, MD, MS; David B. Hoyt, MD, FACS; Fabrizio Michelassi, MD, FACS; Caroline E. Reineke, MD, MSHP, FACS; and Elizabeth C. Wick, MD, FACS

The American College of Surgeons Quality Verification Program takes core elements of *Optimal Resources for Surgical Quality and Safety*, also known as the “Red Book,” to establish standards and a verification process to improve efficiency, care, and value for all surgical patients across all divisions of surgery within the hospital. This session will explore how the ACS QVP is designed to complement data collection efforts and offers a guided journey to standardizing and aligning existing surgical quality efforts and resources.

| **OD128** | Tracks: QV, ADU, QIP, SS
**Ensuring Quality for High-Risk Gastrointestinal (HRGI) Surgery Patients through Verification**
*Moderator:* Daniela Molena, MD
*Speakers and Panelists:* Cristina Ferrone, MD; D. Rohan Jeyarajah, MD; and Fabrizio Michelassi, MD, FACS

Liver, hepato-pancreato-biliary (HPB), esophageal, and inflammatory bowel disease (IBD) surgery patients are complex and require a high level of care and resources. The ACS High Risk Gastrointestinal (HRGI) Surgery Verification Program aims to help hospitals find, fix, and prevent future adverse events in this patient population by ensuring the hospital has the necessary resources to provide high-quality care. In this session, you will learn about the structure of the program and hear from pilot site visit participants to help you prepare your own program for a verification site visit.

| **OD129** | Tracks: QV, ADU, QIP, SS
**Verification as a Tool for Ensuring High-Quality Care for General Thoracic Surgery Patients: The ACS and the Society of Thoracic Surgeons (STS) Join Forces to Develop a New Verification Program**
*Moderator:* Douglas E. Wood, MD, FACS, FRCSEd
*Speakers and Panelists:* Lisa M. Brown, MD, MAS, FACS; Farhood Farjah, MD; and Diana Farmer, MD, FACS, FRCS

General thoracic surgery patients are complex and require a high level of care and resources. The ACS and Society of Thoracic Surgeons (STS) have been developing a program to help hospitals find, fix, and prevent future adverse events in this patient population by ensuring the hospital has the necessary resources to provide high-quality care. Attendees will learn about the structure of the program and hear from pilot site visit participants to help you prepare your own program for a verification site visit.

| **OD130** | Tracks: QV, SS
**Steering the Quality Ship: What Is a Surgical Quality Officer (SQO) and What Is Their Role?**
*Moderator:* Chelsea P. Fischer, MD, MS
*Panelists:* Michael Chang, MD, FACS; Alessandro Fichera, MD, FACS, FASCRS; and Rachel Kelz, MD, MSCE, MBA

Watch this panel discussion to hear from leaders in the field of surgical quality and safety about their experiences leading surgical quality and safety in their hospitals and listen to them share best practices in aligning diverse viewpoints in quality and safety, effective communication for leadership and front-line staff, and how to engage surgeons in quality and safety. Attendees will learn about the challenges of defining a new surgical role in a hospital's existing quality structure.
On-Demand Sessions (Continued)

| OD131 | Tracks: ADU, SS
| **Enhanced Recovery After Surgery (ERAS) 101: How to Start**
| **Moderator:** Elizabeth C. Wick, MD
| **Speakers and Panelists:** Deborah Hobson, MSN, RN; Timothy Jackson, MD, MPH, FRCSC, FACS; and Michael Rosenblatt, MD, MPH, MBA, FACS
| This session will showcase ERAS basics related to application of ERAS to specific areas and how to start.

| OD132 | Tracks: ADU, SS
| **Enhanced Recovery After Surgery 102: The Evidence for Processes**
| **Moderator:** Traci Hedrick, MD, FACS
| **Speakers and Panelists:** Patchen Dellinger, MD; Kristin N. Kelly, MD, MPH; and Alex Stone, MD
| In this session, experts from the field will discuss evidence for key pathway elements.

| OD133 | Tracks: ADU, SS
| **Enhanced Recovery After Surgery 103: Dust Off Your Data: How to Use ERAS Data to Engage, Improve, and Iterate**
| **Moderator:** Robert E. Glasgow, MD, MBA, FACS
| **Speakers and Panelists:** Thomas Curran, MD, MPH; Benjamin C. Dubois, MD, FACS; and Rebecca Stone, MD
| This session will showcase a review of approaches for using data (audiences, data visualization approaches, targets, and when to stop collecting data).

| OD134 | Tracks: ADU, SS
| **Enhanced Recovery After Surgery 104: Lessons Learned—An Honest and Open Discussion**
| **Moderators:** Oscar D. Guillamondegu, MD, FACS, and Deborah Hobson, MSN, RN
| **Speakers and Panelists:** Ronald Guidizi, RN, MS, NEA-BC; Kelly Hussey, MD, MPH; Liz Pratt, DNP, RN, ACNS-BC; and Summer Smith, RN, MSN, CNL, SCR
| This session will showcase short vignettes from hospitals about ERAS lessons learned and what they wished they would have done to course correct more rapidly.

| OD135 | Tracks: ADU, CS, MB, CAN, GS, QIP, SS
| **“How I Do It” Research Talks Part I**
| **Speakers:** Oluwadamilola “Lola” Fayaju, MD, MA, MPH, FACS; Ryan P. Merkow, MD, MS; Heather Neuman, MD, FACS; and Gretchen Schwarze, MD, MPP, FACS
| This session includes health care researchers offering their personal experiences with a variety of studies. Speakers will discuss the hurdles they faced, what they did not publish in comparison with the data they did publish, and how they ensured rigor within their structures.

| OD136 | Tracks: ADU, CS, MB, CAN, GS, QIP, SS
| **“How I Do It” Research Talks Part II**
| **Speakers:** Giana H. Davidson, MD, MPH, FACS; Lillian S. Kao, MD, MS, FACS; Arden M. Morris, MD, MPH, FACS; and Gretchen Schwarze, MD, MPP, FACS
| This session includes health care researchers offering their personal experiences with a variety of studies. Speakers will discuss the hurdles they faced, what they did not publish in comparison with the data they did publish, and how they ensured rigor within their structures.
On-Demand Sessions (Continued)

**OD137**

**Personal History: “My Research Journey”**

*Moderator: Rachel Kelz, MD, MSCE, MBA*

*Panelists: Tim Donahue, MD, FACS; Karin Hardiman, MD, PhD, FACS, FASCRS; and Brian Zuckerbraun, MD*

This panel of researchers will discuss their research stories and will focus on “what I do,” “why I do it,” “how do I develop my research questions,” and “what I hope to contribute.” Additionally, the panel will share salient features across the different types of research to provide a sense of a timeline of research to patient care, and place emphasis on how critical the quality improvement programs at ACS are ensuring innovations are translated to patient care.

**OD138**

**Research Jeopardy**

*Moderator: Gretchen Schwarze, MD, MPP, FACS*

*Speakers and Panelists: John C. Alverdy, MD; Nancy N. Baxter, MD, PhD; Tim Donahue, MD, FACS; Emily Finlayson, MD, MS, FACS; Caprice Greenberg, MD, MPH, FACS; and Dory Segev, MD*

This session includes premier health care researchers sharing the passions, beliefs, and unique traits they believe have made them successful in the realm of research.

**OD139**

**International Transplant Registry**

*Moderator: Ryutaro Hirose, MD*

*Speaker: Nancy Ascher, MD, PhD*

Dr. Nancy Ascher, former president of The Transplantation Society (TTS), will discuss the new International Transplant Registry and the importance of this initiative.

**OD140**

**Optimizing Postoperative Surgical Care: The Role of Patient Reported Outcomes**

*Moderators: Brian C. Brajich, MD, MS, and Hadiza S. Kazaure, MD*

*Speakers: Courtney Collins, MD; Numa Perez, MD; Andrea L. Pusic, MD, FACS; and Larissa Temple, MD, MSc, FACS*

This session will look at the importance of patient reported outcomes in surgical quality improvement, how patient reported outcomes are currently being collected with ACS NSQIP, and the future directions of PROs.

**OD141**

**Policy in Surgery**

*Speakers: Matthew Coffron, MA; Frank G. Opelka, MD, FACS; and Jill S. Sage, MPH*

This session will focus on the current and future policies in surgery. Attendees will learn about American College of Surgeons’ initiatives for programmatic quality, the value of ACS programs and aligning with quality in health care, as well as the past and current statutes.

**OD142**

**Diversity and Inclusion in Surgery: Development of Graduate Medical Education Programs**

*Speakers: Allison N. Martin, MD, MPH, and Miquell Olivia Miller, MD, M.Sc*

This session will delve into the development of graduate medical education programs focusing on diversity, equity, and inclusion. Specifically, it will address what stakeholders need to be engaged in during the creation of these models to create a thriving program. This session will highlight pitfalls in pursuing these programs. Learners will understand the benefits of a staged approach, lessons learned from institutions who are doing this well, and ongoing opportunities for improvement.
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<th>On-Demand Sessions (Continued)</th>
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| **OD143** | Track: **SS**
Diversity, Equity, and Inclusion in Surgery: How Are We Cultivating the Pipeline?
*Speakers: Jad M. Abdelsatter, MD; Carla Pugh, MD, PhD; and Valeria S. Valbuena, MS*
This session will examine efforts in the field of surgery to incorporate more diversity in the profession. This requires a focused effort on ensuring opportunities for underrepresented minorities from surgical residency onward, ultimately leading to a field of surgical leaders that more accurately represents the patient population they serve. The audience will hear from three speakers who are currently engaged in these efforts at all levels of leadership.

| **OD144** | Track: **SS**
ACS THRIVE: Transforming Health Care Resources to Increase Value and Efficiency
*Moderator: Matthew M. Hutter, MD, MBA, MPH, FACS, FASMBS*
*Speakers: Alisa Azpeitia, CPA; David B. Hoyt, MD, FACS; Frank G. Opelka, MD, FACS; and Mark D. Palmer, MBA*
This session will describe how the Transforming Healthcare Resources to Increase Value and Efficiency (THRIVE) team calculates total cost in a given surgical care cycle. The THRIVE methodology to calculate cost uses Time Derived Activity Based Costing (TDABC) and applicable CPT codes. The audience will see a surgery patient’s path through a care cycle and how cost activities are captured and calculated. Sample data analysis reports will be presented.

| **OD145** | Track: **SS**
Disruption: Innovative Models of Care That Will Remain after the COVID-19 Pandemic
*Moderator: Rachel Kelz, MD, MSCE, MBA*
*Speakers: Chad Ellimoottil, MD, MS; Oluwadamilola “Lola” Fayanju, MD, MA, MPH, FACS; Alessandro Fichera, MD, FACS, FASCRS; and Thomas Varghese, Jr., MD, MS, FACS*
More than a year after the COVID-19 pandemic was announced, surgeons and other health care providers are embarking on the last phase of disaster, known as the Reconstruction Phase. In this session, attendees will listen to experts from the field discuss innovative models of care that will remain in place after the pandemic concludes. A few topics that will be discussed are the role for integrated care models, innovations in telehealth, outpatient surgery, and surgical re-entry after the pandemic.

| **OD146** | Track: **SS**
Incorporating Social Determinants of Health (SDH) into Surgical Research
*Moderator: Adam Yopp, MD, FACS*
*Speakers: Ugwuji N. Maduekwe, MD, MMSc, MPH, FACS; Sarah Oltmann, MD, FACS; and Timothy M. Pawlik, MD, PhD*
Adjusting for Social Determinants of Health in post-surgical outcome measures has started to gain traction but is thus far not widely used. The goal of this session is to explain the pros and cons of adjusting for SDH, cover what specific SDH should be adjusted for, and provide examples of surgeon-led research in the field of SDH.

| **OD147** | Tracks: **SS, ADU**
Emergency General Surgery (EGS) across the Five Phases of Care: Hospital-Level Practices
*Speakers: Michael W. Cripps, MD, MSCS, FACS; Giana H. Davidson, MD, MPH, FACS; Angela Ingraham, MD, MS, FACS; Preston R. Miller III, MD; and Samuel W. Ross, MD, MPH*
Speakers in this panel will review best practices for emergency general surgery patients across the five phases of care. Experts in EGS and quality improvement will discuss pre-hospital, immediate preoperative, intraoperative, postoperative, and postdischarge care.
## On-Demand Sessions (Continued)

**OD148**

**Tracks:** SS, ADU  
**Best Practices for the Surgeon in Emergency General Surgery**  
**Speakers:** Kimberly Davis, MD; Daniel N. Holena, MD, MSCE, FACS; Robert B. Lim, MD; Joseph Posluszny, MD; and Caroline E. Reinke, MD, MSHP, FACS  
There are some specific challenges unique to the care of emergency general surgery patients that transcend all five phases of care. In this session, we will have experts in unique patient populations or aspects of care share best practices and tips for implementing them into routine EGS care.

**OD149**

**Tracks:** SS, ADU  
**Creating Infrastructure to Assess Quality and Safety in Emergency General Surgery**  
**Speakers:** Brandon Bruns, MD, MBA; Justin S. Hatchimonji, MD, MBE, MSCE; Carol J. Peden, MB, ChB, MD, FRCA, FFICM, MPH; and Heena Santry, MD, MS, FACS  
Improving quality of care for emergency general surgery patients will require understanding the care of patients beyond the setting of a single hospital. This session will address larger issues in EGS care by examining various outcomes.

**OD150**

**Track:** SS  
**Using Informatics, Artificial Intelligence, and Machine Learning to Improve Care of Surgical Patients**  
**Moderator:** Christopher J. Tignanelli, MD  
**Speakers and Panelists:** Crystal Johnson-Mann, MD; Genevieve Melton-Meaux, MD, PhD; and Michael R. Phillips, MD  
This session will explore the intersection of surgical artificial intelligence (AI) and clinical decision support systems (CDS) while focusing on how informatics can be used to improve surgical care.

**OD151**

**Tracks:** ADU, CS, MB  
**Overview of CQI Modeling for Risk Adjustment: Methods, Motivation, and Central Concepts**  
**Speaker:** Mark E. Cohen, PhD  
This session will review the statistical underpinnings of modeling, for purposes of quality benchmarking, across ACS NSQIP Adult, ACS NSQIP Pediatric, and MBSAQIP. Beginning with the strategic importance of comparative results, arguments will be made for the necessity of risk-adjusted and smoothed (reliability-adjusted) hospital quality estimates, and methods will be described in intuitive rather than mathematical terms.

**OD152**

**Tracks:** ADU, CS, MB  
**CQI Statistics: Understanding, Applying, and Communicating the Semiannual Report (SAR)—For the Statistic Phobic**  
**Speakers:** Arielle Grieco, MPH, and Vanessa M. Thompson, PhD  
This session will present strategies for interpreting and using the SAR Site Summary Reports and Resources provided to ACS NSQIP Adult, ACS NSQIP Pediatric, and MBSAQIP participants. The content is designed to help the statistic phobic in ACS NSQIP Adult, ACS NSQIP Pediatric, and MBSAQIP programs understand, present, and defend SAR-based quality assessments.
**On-Demand Sessions (Continued)**

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<th>OD153</th>
<th>Tracks: SS, ADU, CAN</th>
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<tr>
<td><strong>Composite Outcomes in Hepato-Pancreato-Biliary (HPB) Surgery: Textbook or Optimal?</strong></td>
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<td><strong>Moderator and Speaker:</strong> David J. Bentrem, MD</td>
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<td><strong>Speakers and Panelists:</strong> Joal D. Beane, MD; Timothy M. Pawlik, MD, PhD; and Henry A. Pitt, MD</td>
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<td>Composite outcomes combine several components into a single measure. In HPB surgery, both textbook outcomes and optimal surgery have been reported. This session will compare and contrast recent studies utilizing multicenter, cancer, and ACS NSQIP registry reporting of composite outcomes. The pros and cons of textbook outcomes and optimal surgery will be presented.</td>
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<th>OD154</th>
<th><strong>Track:</strong> QIP</th>
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<td><strong>Quality Improvement Basics 1: Introduction to QI</strong></td>
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<td><strong>Speaker:</strong> Lillian S. Kao, MD, MS, FACS</td>
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<td>Why should we invest our time, money, and resources in quality improvement? This session explores the motivations for striving toward quality, as well as how quality differs from the related yet distinct concepts of safety and value. This session will also cover two essential frameworks for quality improvement: the six Domains of Quality, which inform the aims of quality improvement projects, and the Donabedian Model, which enables us to measure the success of our quality improvement efforts.</td>
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<th>OD155</th>
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<td><strong>Quality Improvement Basics 2: The QI Process</strong></td>
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<td><strong>Speaker:</strong> Lillian S. Kao, MD, MS, FACS</td>
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<td>How do you get started on a quality improvement project? This session will review the 10-step Generic Quality Improvement Process and the different approaches to quality improvement that influence how the process is applied. This session will also cover strategies for success in the first phases of a quality improvement project: identifying and prioritizing a project, defining a specific problem, and engaging key stakeholders.</td>
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<th>OD156</th>
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<td><strong>Quality Improvement Basics 3: Data Measurement and Analysis</strong></td>
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<td><strong>Speaker:</strong> Lillian S. Kao, MD, MS, FACS</td>
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<td>Data plays an essential role in every phase of a quality improvement project. This session will review fundamental concepts for data collection: six essential types of data, key characteristics of high-quality data, and some of the most common sources of data to inform a quality improvement project. This session is also an introduction to the various tools you can utilize throughout your quality improvement project to assess the current state, investigate root causes, and visualize and analyze data.</td>
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<th>OD157</th>
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<td><strong>Quality Improvement Basics 4: Change Management</strong></td>
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<td><strong>Speaker:</strong> Lillian S. Kao, MD, MS, FACS</td>
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<td>Improving quality of care requires implementing and sustaining long-lasting change. This session will review the principles of change management, the importance of context for change, and the factors that influence individual and organizational responses to change. Additionally, the session will review how change management is used throughout the quality improvement process, common challenges of implementing change, and strategies for addressing those obstacles.</td>
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Quality Improvement Basics 5: Patient Safety

Speaker: Lillian S. Kao, MD, MS, FACS

Change should not come at the cost of our patients. Preventing and reducing patient harm requires a robust and positive safety culture. This session will provide an overview of the role culture plays in maintaining and improving patient safety, the characteristics of high-reliability organizations, and how to evaluate and improve your institution's safety culture. Additionally, this session reviews methods and tools for measuring patient safety and the components of effective reporting systems.

Quality Improvement Basics 6: The QI Team

Speaker: Lillian S. Kao, MD, MS, FACS

Quality improvement is a collaborative effort requiring strong teamwork. This session will review what defines effective teamwork, the ways in which it plays a critical role in quality improvement, the roles and responsibilities involved in a quality improvement team, and how to overcome common types of team dysfunction. Additionally, this session reviews common leadership styles, as well as the traits of both effective and ineffective leaders, with an emphasis on the role of emotional intelligence.

Solutions to Support Well-Being for Surgical Teams

Moderators and Speakers: Mary E. Brindle, MD, MPH, and Steven D. Wexner, MD, PhD(Hon), FACS, FRCS(Eng), FRCS(Ed), FRCSI (Hon), Hon FRCS (Glasg)

Speakers and Panelists: Mariana Berho, MD; Christy E. Cauley, MD, MPH; Haytham Kaafarani, MD, MPH; Rachel Moyal-Smith, MS, PA-C; and Jeffrey Taxman, MD

Wellness is an important part of health care, especially for those who take care of sick patients day in and day out. This session will provide tips and tricks to support the well-being of surgical teams.

Abstract Presentations

All 435+ abstract presentations will be available beginning Monday, July 12 at 8:00 am CT.
CONTINUING MEDICAL EDUCATION CREDIT INFORMATION

The American College of Surgeons is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The American College of Surgeons designates this Other activity (hybrid format-live and enduring) for a maximum of 69 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Of the AMA PRA Category 1 Credits™ listed above, a maximum of 35.25 hours meet the requirements for Patient Safety.*
Of the AMA PRA Category 1 Credits™ listed above, a maximum of 6.5 hours meet the requirements for Bariatric Surgery.*
Of the AMA PRA Category 1 Credits™ listed above, a maximum of 12.25 hours meet the requirements for Cancer.*
Of the AMA PRA Category 1 Credits™ listed above, a maximum of 4.50 hours meet the requirements for Pediatric Surgery.*
Of the AMA PRA Category 1 Credits™ listed above, a maximum of 5.25 hours meet the requirements for Geriatric Surgery.*

Continuing Nursing Education (CNE) Credits
This continuing nursing education activity was approved by the American College of Surgeons, which is a provider approved by the California Board of Registered Nursing (Provider # CEP 17134).
The 2021 ACS Quality and Safety Conference VIRTUAL has been approved to award a maximum of 71 Continuing Nursing Education (CNE) contact hours per attendee.

NCRA Continuing Education (CE) Credits
This activity has been approved by the National Cancer Registrars Association (NCRA) to offer Continuing Education (CE) credits. The 2021 ACS Quality and Safety Conference VIRTUAL has been approved for a maximum of 12.25 CE credits per attendee.

Certificate of Completion
Conference attendees can claim a Certificate of Completion for their participation in the 2021 Quality and Safety Conference VIRTUAL. Hours will be awarded to attendees based on the extent of their participation in the activity. Many credentialing boards for healthcare professionals will accept a Certificate of Completion for conversion of hours to the specific type of credit required.

*The content of this activity may meet certain mandates of regulatory bodies. Please note that ACS has not and does not verify the content for such mandates with any regulatory body. Individual physicians are responsible for verifying the content satisfies such requirements.