Course Descriptions
Pre-Conference

ATS Trauma Registry Course (2 day course)
The Trauma Registry Course provides a deeper look into the issues that affect a trauma registrar and a more standardized understanding of the specialty and approach to the task of maintaining a trauma registry for the seasoned registrar. Lectures are designed to build upon experience, program maturity, and institutional needs. This course provides the student with national standard definitions and methodologies essential to a comprehensive trauma registry. Appropriate for both new and seasoned registrars.

STN TOPIC (1 day course)
TOPIC focuses on the on-going assessment of the continuum of trauma care with a structured review of process and discussions of strategies to monitor trauma patient outcomes. TOPIC is customized to best meet the needs of the individual trauma care provider participants who have varying levels of experience with trauma performance improvement. The course offers practical application for all Levels of trauma centers, from entry level to mature phase of program development. The Modules are taught with a focus on didactic, operational definitions, sample tools, case study examples and take home points.

V5 Outcomes and Taxonomy Concepts (1 day course)
This hands-on course focuses on the integration of the V5 Outcomes application with the ACS taxonomy into the trauma peer review PI process. This will include a review of key PI concepts and an overview of the V5 Outcomes data set. Users will also learn how to use specific data entry features and reporting in the V5 Outcomes software. Also included are discussion and approaches on how users can integrate the software into their trauma PI management processes.
Plenary Sessions

Transforming Trauma Registry Data in Research

A longstanding objective of trauma registries and biomedical informatics has been to transform clinical data into research which results in actionable knowledge and insights. The presentation will focus on the importance of quality data that can drive health and care innovation, delivering high impact results across the continuum of trauma care to enable improvements in patient outcomes and trauma healthcare performance.

Orange Book Changes: What’s New

The ACS finalized v1.1 of Resources for Optimal Care of the Injured Patient 2014 (Orange Book) along with the web-based “Resources Repository.” Verification applicants with visits scheduled after July 1, 2015 must meet the Orange Book criterion. Dr. Cribari is the former ACS COT Verification Committee Chair, and this presentation will provide a review of some of the noteworthy changes that have been outlined in the Orange Book.
Training Courses

Building Vocabulary
This course introduces the mix and match methodology of the DI Report Writer. Attendees will receive instruction on utilizing pre-built vocabulary and basic naming conventions to best implement the mix and match methodology.
- Basic

Data Table Reports
- Basic
- Intermediate

Query
This course introduces/reviews Queries, which are central to all report writing. Instruction will be provided on building queries. The complexity of the queries are appropriately paired with each track.
- Basic
- Intermediate
- Advanced

Gathers
This introductory course explains the behavior and benefits of using a Gather. Attendees will receive instruction on building and using a basic Gather.
- Basic
- Intermediate

Statistics Report Basics
This course introduces/reviews the functions available in Report Writer Statistics reports. Instruction will be provided on calculating average, min, max, sum, and count.
- Basic
- Intermediate
- Experienced

Combining the Concepts
This course uses example report requests that require multiple Report Writer tools to execute. Previous concepts associated with Data Table Reports, Queries, Gathers, and Statistics Reports will be reintroduced and advanced by combining them with the use of other tools.
- Basic
- Intermediate
- Experienced
Formatting in Excel®

This course introduces various functions available in Microsoft Excel® for use with DI Report Writer tools. Functions detailed include filter, sort, auto-sizing, text wrapping, and freezing panes.

- Basic
- Intermediate
- Experienced

Across Concepts

This course introduces the Across feature of the Report Writer and will review the concept and behavior of the Across feature. Attendees will receive instruction on implementing this feature into reports, queries, and gathers.

- Basic
- Intermediate
- Experienced

Combining Queries

This course expands on the concepts introduced in the Query course. Attendees will receive instruction on linking two or more simple queries to make a more complex filter.

- Basic

Assessing Report Inaccuracies

This is a new course that focuses on reviewing report output to identify potential pitfalls. Attendees will receive instruction on using the Report Writer tools to pinpoint the cause of inaccuracies so they can be corrected.

- Basic
- Intermediate
- Experienced

Coded Variables

This course explores the many uses of this complex Report Writer tool. Functionalities covered include identifying ranges, grouping menu options, and masking identifiable information.

- Intermediate
- Experienced

Additional Query Tools

This course provides instruction on the ANY and IF functions of Report Writer. Attendees will receive instruction on using ANY to combine non-consecutive values and IF to show a YES/NO column in a data table.

- Intermediate
- Experienced
Course Descriptions

Pivot Tables
This course focuses on Microsoft Excel’s Pivot Table function. Attendees will receive instruction on building an elaborate data table report designed specifically to be used with a Pivot Table. Several pivot tables and charts will be developed using the data table output. *This course is divided into two (2) parts.*
- Intermediate
- Experienced

Categories
This course provides instruction for using this unique tool within the Statistics Report editor. Attendees will receive instruction on using Quick Setup, using a Coded Variable within Categories, and using Categories in other complex ways.
- Intermediate
- Experienced

Advanced Statistics Reports
This course expands on the concepts introduced in Statistics Reports and focuses largely on nuances associated with capturing percentages.
- Experienced

V5 Admin
This course demonstrates several functions of the V5 Admin Module. Attendees will receive instruction on creating users, setting permissions, editing menus, and creating custom elements for use in the V5 Registry.
- Basic

V5 Registry
In this course, attendees will receive instruction on the creation and navigation of a trauma record. Content includes details on required fields, skips, checks, and coding.
- Basic
Lectures

Culture of Safety PI Taxonomy

This presentation assists trauma centers in developing and implementing an effective trauma PIPS program utilizing the culture of safety PI taxonomy. Guidance will be given on the process to implement a concurrent PI process and incorporate the aspects of domain, causative factors, degrees of harm, corrective action, and loop closure as recommended by the Join Commission.

Level 1 Trauma Center Relationship with Level 2, 3, 4 Centers

Level 1 trauma centers are considered regional resource centers and must provide some means of referral and access to trauma center resources to area Level 2, 3, and 4 centers. This presentation will focus on the communication and relationship between centers related to referrals, feedback, education, outreach, and injury prevention collaboratives.

Regional/State Trauma Systems: What Data and Outcomes are Meaningful?

Trauma systems development has evolved and become more organized. Trauma centers are expected to participate in regional/state trauma systems development. Leaders must take an active role to ensure the system is performing well. This presentation will focus on the system-wide trauma registry that requires valid and reliable clinical and financial data for improving outcomes, development of public policy, healthcare education, injury prevention, and research.

Documenting Corrective Action

This session will provide insight into the multidisciplinary process of developing, implementing, and measuring corrective actions. When an opportunity for improvement is identified, appropriate corrective actions to mitigate or prevent future adverse events must be put in place. Clear documentation of measurable loop closure (resolution) of cited deficiencies, weakness, and/or significant issues must be clearly outlined. The focus of this presentation will be to assist trauma centers in analyzing their deficiencies, developing a multidisciplinary corrective plan which might include a PI Team, implementing guidelines, protocols, targeted education, or enhanced resources in order to demonstrate that the action has had the desired effect with measurable outcomes.

Tracking Compliance with Practice Guidelines

Evidence-based practice guidelines have been published and disseminated since the 1980s. Development and implementation of CPGs is expected in trauma centers, but tracking compliance with CPGs is infrequent. This presentation will focus on methods to track and report compliance, evaluate provider practice, provide guideline-compliant care, and improve patient outcome.

NTDB and TQIP Validation and Submission

This presentation will include a review of the DI product (Windows & Web) validation and submission procedures for NTDB/TQIP. Topics covered will include the importance of understanding the NTDB Data Dictionary and some best practices for how to ensure data quality as it relates to NTDB/TQIP.

Concurrent PI Process: Trauma Rounds Checklist

The use of “care bundles” in the prevention of VAP and other ICU preventative measures presents challenges in busy trauma centers. Utilization of rounding checklists have shown an increase in compliance with these prophylactic measures and identify areas for improvement in quality of care. This presentation will focus on the development, implementation, education phases which improve compliance rates with significant prophylactic measures and promote sustainable improvement in patient outcomes.
ICD-10: Mechanism of Injury

This session, taught by an AHIMA approved ICD-10-CM/PCS Trainer, will assist the user in articulating the differences between ICD-9 and ICD-10 coding of Mechanism of Injury. The participant will be able to demonstrate proper use of ICD-10 coding for selected mechanism of injury codes. The presentation will describe the remaining ICD-10 conversions as well as review specific mechanism sections of chapter 19, such as falls and transport accidents. The presentation will conclude with case studies and practical applications.

Military Trauma Assessment: Notes from the Field

The military trauma system follows the same principles as the civilian trauma system and utilizes trauma registry data and performance improvement principles. Subject matter experts from both the military and civilian sectors teamed up to perform an on-site review of the military trauma system in the combat zone. This presentation will describe that significant undertaking.

Using Data Effectively for Your Site Visit

Specific data and core measures are an everyday expectation of trauma centers today. How that data is validated, presented, and articulated to the site survey team may vary. This presentation will focus on the most effective methods to present data related to previous deficiencies/weaknesses and correcting opportunities for improvement.

ICD-10: Injury Diagnoses

This session, taught by an AHIMA approved ICD-10-CM/PCS Trainer, will assist the user in articulating the differences between ICD-9 and ICD-10 diagnosis coding. The participant will be able to demonstrate proper use of ICD-10 coding for selected injury diagnosis codes. The presentation will describe the remaining ICD-10 conventions as well as injury chapter specific guidelines, structure, and organization. The presentation will conclude with case studies and practical applications.

New Trauma Registrar Orientation & Training

This presentation will describe the need and benefit of providing new registry staff with a formal and organized trauma registry orientation. This includes a review a key concepts, an overview of Data Quality Management components and how they apply to a formal training and orientation program, specific training deliverables related to each Data Quality Management component, and a sample timeline of how to set up the first three months of a trauma registry training and plan for continuing education and future training opportunities.

ICD-10: Procedures

This session, taught by an AHIMA-approved ICD-10-CM/PCS Trainer, will assist the user in articulating the differences between ICD-9 and ICD-10 procedures coding for Trauma. The participant will be able to demonstrate proper use of ICD-10 coding for selected Procedure Classification System (PCS) for inpatient procedural reporting for hospitals. The presentation will provide an overview of Chapters 1 through 7, guidelines and conventions. The presentation will conclude with a brief discussion of Root Operations.