

Date Position Begins:	September 2026
Appointment Term:	Through project completion
Membership Requirement:	None
Participation Structure:	Work Group sits under the VRC program area under the direction of Avery Nathens, medical director.
Anticipated Duration:	September 2026 – March 2027
Effort Requirement:	Approximately 6 hours per month, including meetings via Zoom and independent work.
Desired Experience:	• Experience with abstracting trauma registry data • Demonstrated ability to evaluate and assure the quality of data abstracted from the medical record for the purposes of performance improvement • Experience with automated data entry from electronic health records and/or health informatics • Current position at an ACS verified trauma center; or provide leadership of a state trauma system
Roles	• Trauma Registry Professionals (3) • Trauma Clinical Leadership (3), inclusive of trauma medical directors and VRC reviewers • Trauma Program Managers (3) • State trauma program managers (2) • Health Informatics Experts (1)

Automated Data Extraction (ADE) Standards Development Work Group Overview

Automated data extraction is a significant and inevitable advancement in trauma registry operations. The American College of Surgeons (ACS) supports its responsible adoption, provided that data quality, validation, and oversight are maintained. In addition to streamlining data collection, ADE has the potential to enhance performance improvement and patient care in real time.

The ACS TQP Automated Data Extraction Standards Development Work Group is established to develop recommendations and proposed standards governing the use of automated data extraction for trauma registry data collection and reporting. As trauma centers increasingly leverage electronic health records (EHRs), interoperability standards, and automated extraction technologies to support registry operations, it is essential that data used for trauma quality improvement, benchmarking, verification, and research remain accurate, reliable, auditable, and clinically meaningful.

The Work Group will identify the validation methodologies, human workforce requirements, monitoring processes, and accountability mechanisms necessary to ensure that data obtained through automated extraction offers clinically meaningful insights on the quality of care and that data are comparable across institutions.



Automated Data Extraction (ADE) Standards Development Work Group Deliverable(s)

The Working Group shall produce the following deliverables:

ADE Standards Framework

A comprehensive framework describing governance, validation, monitoring, accountability, and oversight expectations.

Proposed VRC Standard Language

Draft standards suitable for consideration and incorporation into ACS Trauma Quality Programs standards and verification requirements pertaining to human workforce requirements and data quality plan with the following considerations:

Data quality plan

Validation approaches, sampling strategies, accuracy thresholds, revalidation triggers, audit methodologies, consistency over time

Human workforce and competency framework

Required functional roles, core competencies, staffing considerations, education and training expectations (if different)

Vendor and technology assessment criteria

Recommendations regarding:

- Documentation standards
- Validation evidence
- Transparency requirements
- Auditability expectations

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