

Strategic Advisor for Artificial Intelligence

Purpose

The Society of Thoracic Surgeons (STS) will engage a Strategic Advisor for Artificial Intelligence, part-time, to help the CEO and Board set and execute an enterprise AI strategy. The Advisor brings technical fluency to decisions that will shape the STS National Databases, research activities, member education and engagement, publications, government advocacy, and the Society's external partnerships.

This engagement supports these anticipated priorities:

- **Data modernization:** Moving the STS National Databases from episodic data capture toward lower abstraction burden. Enhance the research function through short term and longitudinal outcome reporting with enhanced analytic efficiency.
- **Member value:** Giving cardiothoracic surgeons trustworthy AI-enabled tools for clinical decision-making support, education and career/practice guidance.
- **Specialty leadership:** Positioning STS as the authoritative voice on safe, evidence-based AI in cardiothoracic surgery with regulators, payors, industry and peer societies.
- **Administrative workflow optimization:** Explore opportunities for internal and external communication optimization, including the STS website.

The Advisor is an independent contractor, not an employee or officer of STS, and holds no authority to bind the Society.

Scope of Services & Deliverables

The Advisor will deliver an STS AI strategy within six months, and subsequently advise on its implementation, refinement, and continued development.

Scope of services

1. **AI strategy and roadmap.** Assess current AI use and readiness across the STS organization; recommend priorities, investment levels and sequencing aligned to the strategic plan.
2. **Registry and data science.** Advise on AI-assisted data abstraction and research proposal platform, natural-language processing of the medical record, linkage to longitudinal outcomes (durability, quality of life, complications, reinterventions), and predictive risk models built on STS data.
3. **Partnerships and vendor evaluation.** Evaluate prospective AI, EHR and digital health partners; advise on data-sharing, licensing and co-development terms that protect STS data assets and member interests.
4. **Education and publications.** Advise on AI curricula for members and trainees, AI content at the Annual Meeting, and editorial policy on AI use in submissions to STS journals.
5. **External representation.** Represent STS, at the CEO's request, with peer societies, regulators, industry and media on AI topics.
6. **Internal capacity.** Advise staff on AI tools that improve operational efficiency, and on the skills STS should build or hire.

Required

- Expertise hands-on AI experience in the healthcare setting.

- At least five years of direct work in clinical AI, informatics or data science: model development or validation, AI product leadership, or health-system AI deployment.
- Working knowledge of clinical registries, EHR data, interoperability standards (e.g., FHIR) and outcomes research methods.
- Familiarity with the FDA framework for AI-enabled medical devices and with health-data privacy and security laws (e.g., HIPAA).

Preferred

- MD, PhD, or DO from an accredited institution
- Degree in data science, computer science, biostatistics or public health.
- Prior leadership in a professional society, standards body or federal advisory committee.
- Experience negotiating data partnerships with technology companies.
- Track record of peer-reviewed publication or national speaking on AI in medicine.

Compensation & Reporting

The engagement is about 40 hours per month (roughly 0.25 FTE) with compensation of up to \$200,000.

- **Reporting:** To the STS CEO, with regular communication with STS Leadership and a standing quarterly briefing to the STS Board of Directors.
- **Location:** primarily remote, with occasional trips to the STS headquarters office in Chicago or to Board meetings, scheduled in advance.

Conflicts of interest, confidentiality and data: The Advisor must disclose all industry and AI-company relationships before signing and update the disclosure annually and whenever it changes. The Advisor will be required to sign a written engagement agreement that includes confidentiality provisions.

To apply: please send an LOI and CV to jobs@sts.org