

## Cardiac medical data entry, analysis & review

TSPLLC - The Company

**Technology Solution Partners L.L.C. (TSP) is an Connecticut-based information technology (IT) company that represents the knowledge of more than 150 successfully completed solutions/software applications spanning over 22 years with focus in Life Sciences and Healthcare.**

**TSP has been working with cardiac data since 2001. TSP has successfully reported data for cardiac procedures on behalf of their clients to New York State Department of Health (NYDOH) since 2002.**

**With changes mandated from time to time by various cardiac registries, TSP believes that Software as a Service is the best solution. TSP provides complete HIPAA compliant service that includes installation, updates, hardware and software maintenance, help desk, firewall, backup, and monitoring.**

*According to the Center for Disease Control (CDC), heart disease and stroke—the principal components of cardiovascular disease—are the first and third leading causes of death in the United States, accounting for more than 40% of all deaths. Although heart disease and stroke are often thought to affect men and older people primarily, it is also a major killer of women and people in the prime of life. In 2006, an estimated 7.1 million inpatient cardiovascular operations and procedures were performed in the United States.*

*The estimated direct and indirect cost of cardiovascular disease (CVD) for 2009 is \$475.3 billion. To reduce the cost, the government is providing a reimbursement incentive to participate in national databases. The government is providing a reimbursement incentive to participate in national databases. In 2007, the Centers of Medicare and Medicaid Services (CMS) paid more than \$36 million in bonus payments to participating physicians. The reimbursement incentive will increase for 2009.*

*We offer the lowest cost of usage for reporting data to national registries.*

### MeDEAR Cardiac at a Glance

*MeDEAR Cardiac is a user-friendly web-based Software-as-a-Service (SaaS) solution and is easy to use for entering, assessing and reporting data for cardiac surgeries and interventions.*

- Intuitive, easy to use interface and layout increases efficiency and simplifies day to day operation.
- Focus on improved patient outcome and develop best practices.
- Web-based modular architecture to meet evolving needs of the multiple registries.
- Data entry to multiple cardiac registries.
- Central data repository for multiple registries allows sharing of data and reducing data entry time.
- Interface available to harness data from a variety of internal sources.
- Provides multi-facility and multi-user capability with multiple roles per facility.
- Quick search for a particular patient.
- Intuitional search for a set of patients.
- User initiated exports in user-friendly comma delimited format.
- Ability for User Management.
- Provides multi-level security.
- Interface to UB92 and any other device capable of text output.
- Custom data elements for each participant.
- Risk factors analyzed as per registry algorithm.
- Data entry and extracts are validated as per individual registry requirements and available in real time.
- Built in data validation to multiple registry requirements, on screen data validation and error checking.
- HIPAA compliant.
- Data encryption over the internet.
- Access to multiple reports for patient assessment, support of day to day departmental operations and internal quality improvement
- Access from any computer, with an Internet connection is highly secured through a SSL enabled browser. Optimized for use with IE v6 or higher.

MeDEAR uses web based technologies in its solutions while focusing on utilizing full advantage of technology, providing most value for money and simple to use products and solutions. MeDEAR Cardiac has an agile and modular robust architecture and is certified by Society of Thoracic Surgeons (STS) for Adult Cardiac Surgery version 2.521 and 2.61, compliant with New York State Cardiac Reporting from 2004-2009, and under certification with American College of Cardiology for version 4.3.

### Service Offering

- Module for data entry and reporting for Adult Cardiac Surgery (ACS). Certified by Society of Thoracic Surgeons (STS) for versions ACS 2.521 and ACS 2.61. STS has built in risk algorithm and Physician Quality Reporting Initiative (PQRI) for surgeons. For successful PQRI reporting, the surgeons get 2% payment incentive (of covered Medicare Part B services) in 2009.
- Module for data entry and reporting for Percutaneous Cardiac Intervention (PCI). Under certification by American College of Cardiology (ACC) for version PCI 4.3.
- Module for data entry and reporting for New York State Department of Health (NYSDOH) mandatory reporting for Adult Cardiac Surgery (ACS), Pediatric Cardiac Surgery (PCS), and Percutaneous Cardiac Intervention (PCI) module for years 2004 - 2009.
- Module for data entry and reporting for New York State mandated Infection reporting for Cardiac Surgeries.
- Help desk during normal working hours.

### Sample Cost

- Annual participation fee to participate in the Adult Cardiac Surgery Database (On a per surgeon basis).
  - Cost differs for STS members and non-members.
- Lowest total cost of usage based on number of annual procedures
- \$500 per month based on total procedure count of 200 per annum.

### Benefits

#### Increase Productivity

- Consolidate duplicate functionality
- Unlock availability for usage from anywhere anytime.
- Improved ability to preempt issues due to better monitoring.
- Availability 24 x 7 from any location with broadband internet connection.

#### Reduce Cost

- Reduce total cost of operation and increase return on investment (ROI) on evolving system. By leveraging existing assets.
- Build for flexibility and for long term value of interoperability.
- Total cost of usage is clearly defined.
- Lower total cost of usage.
- Ability to obtain and access only what is needed.

#### Software as a Service

- Accelerated software deployment
- Lower-up front and overall costs
- No hidden costs
- No additional hardware and lower internal staffing requirements.
- Greater reliability, security and privacy
- Greater agility to scale software to meet changing business requirements.
- Automatic updates and upgrades
- Built to accommodate changing needs.
- Enable application evolution over time without interruption.
- Carry out incremental implementation quickly.
- Rock-solid availability and uptime for application and services.
- Superior end-user capability.

#### Central data repository

- Data entry to multiple registries
- Data sharing between registries
- Reduced data entry time

#### Longitudinal patient data

### Schedule a Demo - Contact Us

To learn more about the MeDEAR Cardiac solution, please contact us to schedule a demo or a free consultation.

Girish K. Gupta

Technology Solution Partners LLC

Shelton Pointe, Suite 401  
2 Trap Falls Road  
Shelton, CT 06484-4665

Email: [ggupta@tspllc.com](mailto:ggupta@tspllc.com)  
Tel: 1-(203) 925-8388  
Fax: 1-(203) 925-8480