



Cardiovascular

K N O W L E D G E C E N T E R TM

For more than 20 years, cardiovascular care providers have asked a simple, compelling question:

Why can't I have all of my clinical and administrative data available when and where I need it?

After all, Cardiovascular Services is a high technology area of medicine, and virtually all critical data is digitized. And for two decades, the major IT vendors have been singing the praises of an electronic health-care environment—electronic medical records and order entry, automated charge capture, centralized imaging networks, enterprise scheduling, and inventory control. And we all know the benefits by heart: better quality outcomes, higher revenues, lower costs.

So why do the USA's top heart centers still cope with islands of disconnected data and inefficient manual access? There is no simple answer, but many contributing causes. First, IT vendors sell information systems that don't talk to systems designed by other vendors. There are hundreds of diagnostic devices churning out millions of bytes of data in proprietary formats. Then there is always a shortage of internal IT resources—it takes a great deal of time and money to tie all those systems together.

Allow us to offer a fresh perspective on an old problem. We call it the *Cardiovascular KnowledgeCenter™*. It's more than just a new name

Cardiovascular KnowledgeCenter
A completely integrated information environment supporting your heart program's long-term clinical and business goals.

for a common vision. It represents a novel approach to creating a *truly integrated information environment supporting your heart program's long-term clinical and business goals*. We cordially invite you to share the KnowledgeCenter vision!

Harness Data Power in Your Cardiovascular KnowledgeCenter

Power is patient data at your fingertips—images, diagnostics, labs and more, instantly available on any PC. *Power* is outcomes data driving best-practice medicine in the cath lab, OR, non-invasive testing, throughout CV Services. *Power* is productivity data automating inventory control, scheduling, charge capture, and billing. In short, *data is power* when it is harnessed in a Cardiovascular KnowledgeCenter.

A true KnowledgeCenter requires strategic planning, dedication of resources, integration expertise, and best-of-breed software solutions. It doesn't happen overnight, but evolves incrementally as you execute on your strategic roadmap. No single information system can create your integrated environment. But there is one company that can help.

LUMEDX is the only company dedicated to planning and building Cardiovascular KnowledgeCenters for the nation's leading cardiac programs. During the past 14 years we have assisted more than 300 heart centers in creating powerful integration solutions. Our Strategic Services team will help you create your plan. Then our Solutions team will help you execute on plan, using the most comprehensive suite of specialized software tools in the industry—*CardioStar™*. Allow us to show you how this solutions suite unleashes true *data power*.



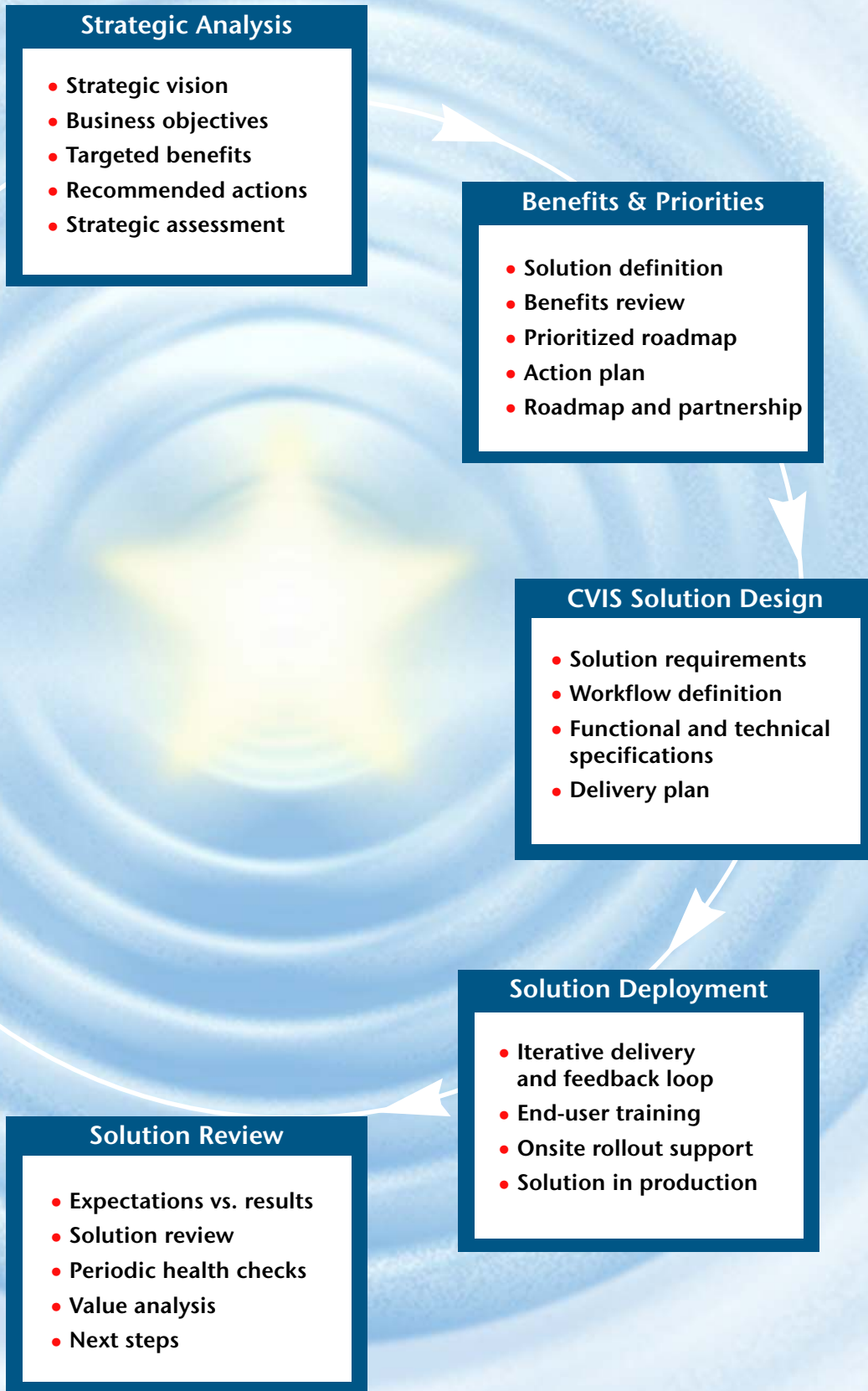
Join the National Cardiovascular KnowledgeCenter Consortium

Imagine a national network of heart centers dedicated to developing and sharing best practices in cardiovascular information integration!

Drawing on more than 14 years of specialized experience in the field, LUMEDX is sponsoring a national program bringing together the USA's best wired cardiac centers. It's called the Cardiovascular KnowledgeCenter Consortium, a unique member-run organization with extraordinary benefits:

- National KnowledgeBase of real-time data providing operating benchmarks for device usage, including drug-eluting stents and other high-impact technologies.
- Dedicated Web Resource Center with latest proven cardiovascular IT strategies from member organizations and outside experts.
- Regional seminar series on cardiovascular IT strategies, providing best practice guidelines for centers of all sizes.
- Led by a Leadership Council representing 12 of the USA's best wired heart centers.
- Free-of-charge access to above services (LUMEDX-sponsored).

Charter membership in the National Consortium is currently open only to certain LUMEDX customers. However, it is the long-term intention of the organization to open membership to all heart centers sharing a similar vision and commitment to cardiovascular information integration.



Do you know where your heart program is going?

No doubt the department has a three to five year strategic business plan, which includes quality improvement targets, growth projections, case mix, market share, financial performance goals, and the like. And you will probably have a good handle on what the department plans to spend next year on information technology. But in our experience, very few heart centers have a long-term cardiovascular IT plan to support their strategic business goals.

Such a plan would provide a multi-year roadmap, detailing the way technology solutions are implemented incrementally over time to help stakeholders realize their clinical and business targets. Of course, the roadmap complements and is fully compatible with the hospital’s enterprise IT plan. And each solution is cost-justified, linked directly to the value-payoff. So everyone shares the same vision and have “bought in” – physicians, staff, administrators, and senior leadership.

Does this sound like something your team could use?

We can help. The LUMEDX Strategic Services group has built cardiovascular IT plans for some of the top heart programs in the country. We’ll take an objective look at your current information infrastructure and help you craft a roadmap to the future. And of course, we’ll show you where our CardioStar suite can help you realize your objectives. In short, we’ll help you build a Cardiovascular KnowledgeCenter and put *true data power* to work for you.

Cardiovascular

K N O W L E D G E C E N T E R

**Totally Integrated
Information Environment**

Registration & Scheduling

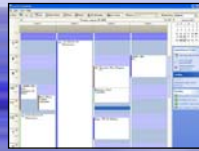
**ADMISSION/ER
CV REGISTRATION** **MODALITY REGISTRATION
HOLDING ROOM**



CardioGate
Acquire ADT
demographic
export



Apollo Advance
Create record
in central data
repository



CardioSchedule
Schedule room,
patient, resources;
pre-register case on
monitor/modality



CardioMobile
Acquire history &
physical; ACC &
STS

Diagnostics & Procedures

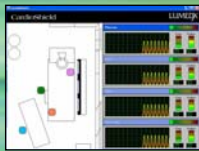
**DIAGNOSTIC ROOMS
PROCEDURE LABS CVOR**

CardioStar

Suite of Data Integration Solutions



CardioGate
Acquire diagnostic
data & reports
via interfaces



CardioShield
Manage radiation
exposure



CardioInventory
Acquire devices,
CPT & ICD-9



CardioMobile
Acquire
surgical data



CardioPACS
Review images



CardioChart
Review medical
record



CardioDoc
Create patient
report; auto-distribute
to referring physician

Enterprise & Administration

**CV ADMIN & ENTERPRISE BILLING
MEDICAL RECORDS/MATERIALS/CDR/EMR
SENIOR LEADERSHIP**



CardioCharge
Charge capture
& pre-code



CardioGate
Export: billing,
outcomes reports,
& devise usage;
populate enterprise
CDR & EMR



CardioManager
Manage clinical
outcomes & financial
trends; compare
to National
KnowledgeBase
benchmarks

About LUMEDX

With over 300 heart center clients worldwide, LUMEDX is the market leader in fully integrated cardiovascular information systems and the No. 1 independent integrator of cardiology information solutions. LUMEDX offers the most proven, comprehensive package of clinical information tools, cardiovascular products, and services to help medical institutions enhance quality of patient care, reduce costs, streamline workflow, increase patient volume, and grow revenue.



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