

Cardiovascular Disease Fellowship Program Update

Icahn School of Medicine at Mount Sinai / Valley Health Program
(ACGME Program ID: 1413314003)

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Program Overview & Mission

Mission: To cultivate a new generation of specialists combining clinical excellence with curiosity, compassion, and leadership.

Model: Hybrid academic–community program at Valley Hospital with Mount Sinai affiliation

Program Size: 12 fellows total (4/year × 3 years)

Core Program Aims



Comprehensive clinical & procedural competency (ACGME/COCATS)



Progressive responsibility across inpatient, outpatient, and labs



Structured scholarly activity and innovation



Professionalism, leadership, and fellow well-being

Primary Clinical Site: Valley Hospital

Facility: 370-bed acute-care, not-for-profit hospital in Paramus, NJ

High-acuity CCU with advanced HF & mechanical circulatory support

Central hub for inpatient training, CCU rounds, and consultative cardiology

Newly established LVAD program for advanced heart failure training

Multidisciplinary heart team environment

Inpatient & Procedural Training

Training meets COCATS Level I requirements, with select opportunities for advanced exposure

Progression from supervised to independent procedural participation

Catheterization Lab: 6 months of dedicated experience

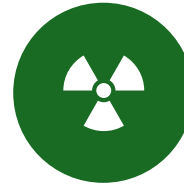
Electrophysiology (EP): 2 months of experience

Scope: Fellows will manage acute coronary syndromes, arrhythmias, cardiogenic shock, and valvular heart disease

Non-Invasive Cardiac Imaging



ECHOCARDIOGRAPHY
(TTE/TEE/STRESS
ECHO)



NUCLEAR SPECT, PYP



PET



CORONARY/CARDIAC
CT



CARDIOVASCULAR
MRI



STUDY VOLUME
DOCUMENTED
MINIMUMS TRACKED
VIA LOGS.



PROGRESSIVE
INTERPRETATION
WITH
FACULTY-VALIDATED
COMPETENCY

Outpatient & Continuity Clinic

Continuity Clinic: Progressive independence with consistent attending mentorship

Protected ½-day weekly throughout all 3 years

Specialty Clinics

Focus: Longitudinal management, preventive strategies, and chronic disease optimization

Simulation, Patient Safety & Communication Training

Integrated with milestones and procedural readiness

Facility: Access to Valley Health System's state-of-the-art simulation center

Training: High-fidelity manikins for cardiovascular emergencies, airway management, and sepsis

Soft Skills: Standardized patient programs for delivering difficult news and goals-of-care discussions

Research & Scholarly Activity

Each fellow completes at least one mentored scholarly project

Example projects: Clinical research, Outcomes research, QI projects, registry work, educational scholarship

Deliverables: Fellows encouraged to present at national meetings (ACC, HRS, TCT)

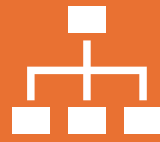
Systems-Based Practice & Health Equity

Curriculum: Training on structural/social determinants of health and value-based care

Community Outreach: Blood pressure screenings and cholesterol management workshops

Population Health: Addressing barriers like food insecurity and housing to improve cardiac outcomes

Fellow Evaluation & Support



Oversight: Clinical Competency Committee (CCC) and Program Evaluation Committee (PEC)



Confidentiality: Multiple reporting pathways including an "Open-Door Policy" and anonymous GME reporting through Mount Sinai



Well-being: 24/7 access to mental health services and self-screening tools

Clinical Experience & Work Hours

Work

Work Hours: ≤ 80 hours/week inclusive of clinical and educational activities

Time Off

Minimum one day free of duty in seven (averaged)

Backup Systems

Faculty and senior-level coverage available at all times

Future Vision & Next Steps



Goal: Graduate independent, compassionate, and system-ready cardiovascular physicians ready to shape the future of cardiovascular medicine



Integration: Strengthening the collaborative relationship with the Internal Medicine residency for seamless recruitment



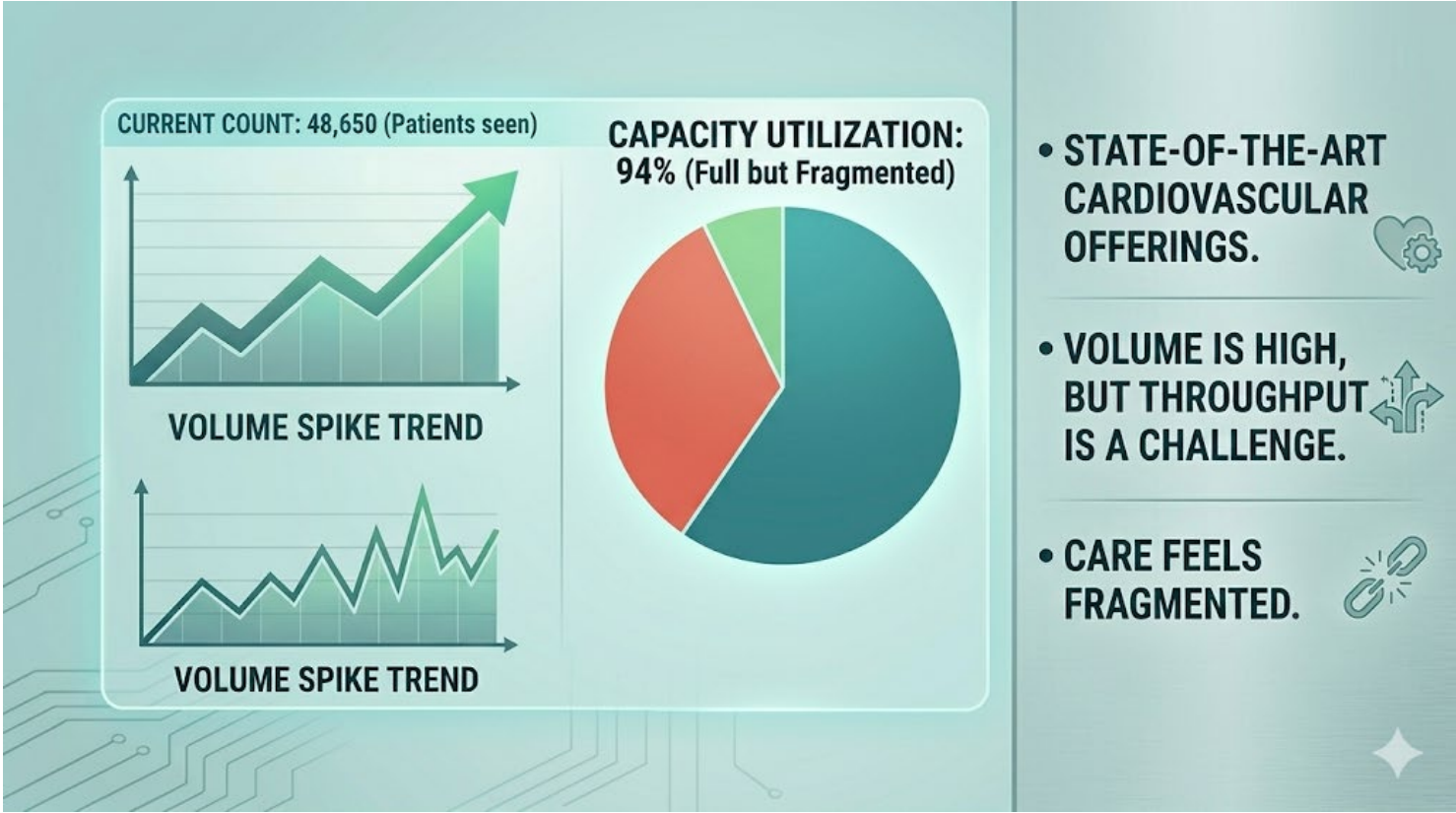
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The Executive Lens

Leveraging Clinical Innovation and System Strategy



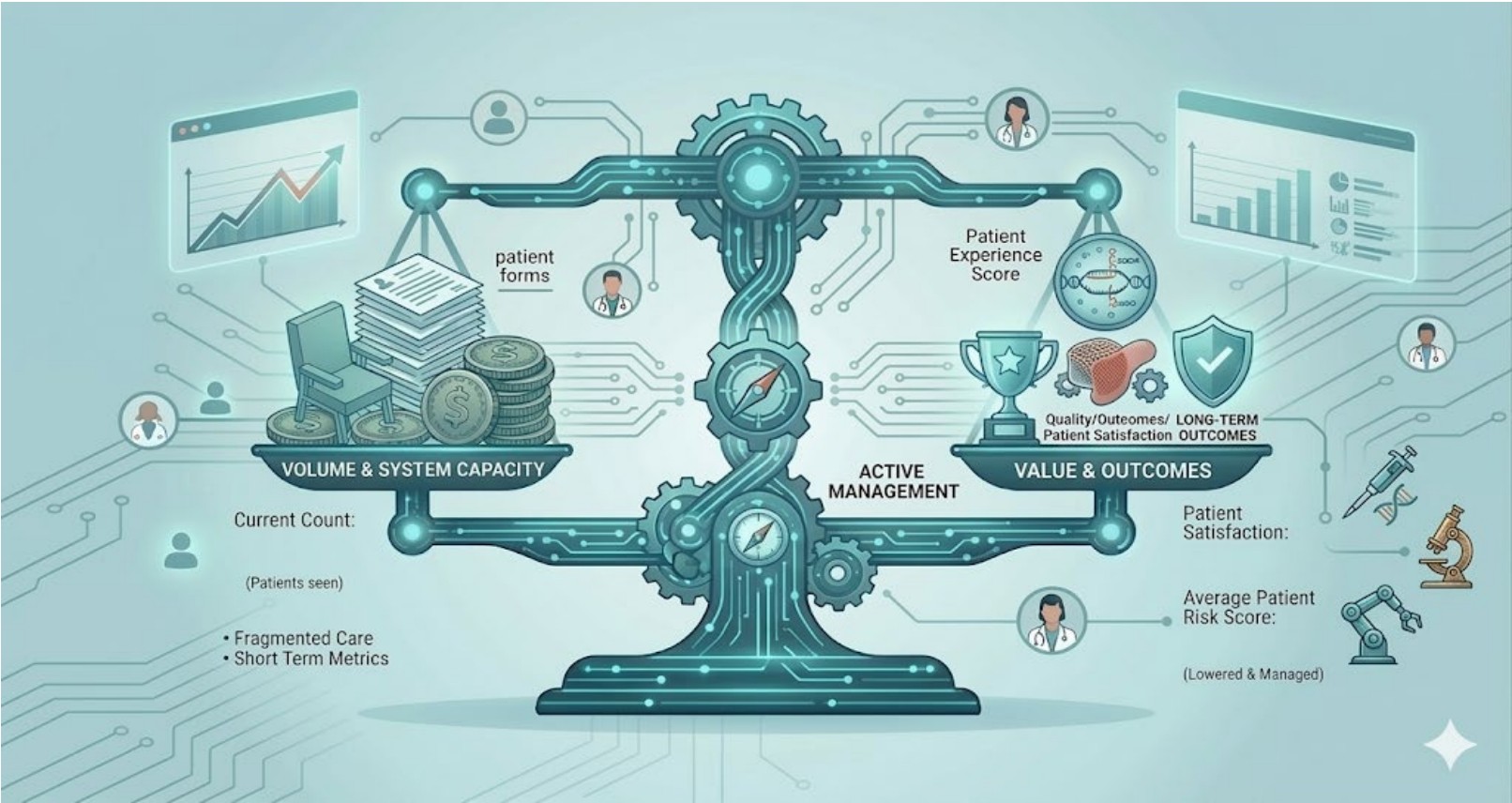
The Volume Challenge



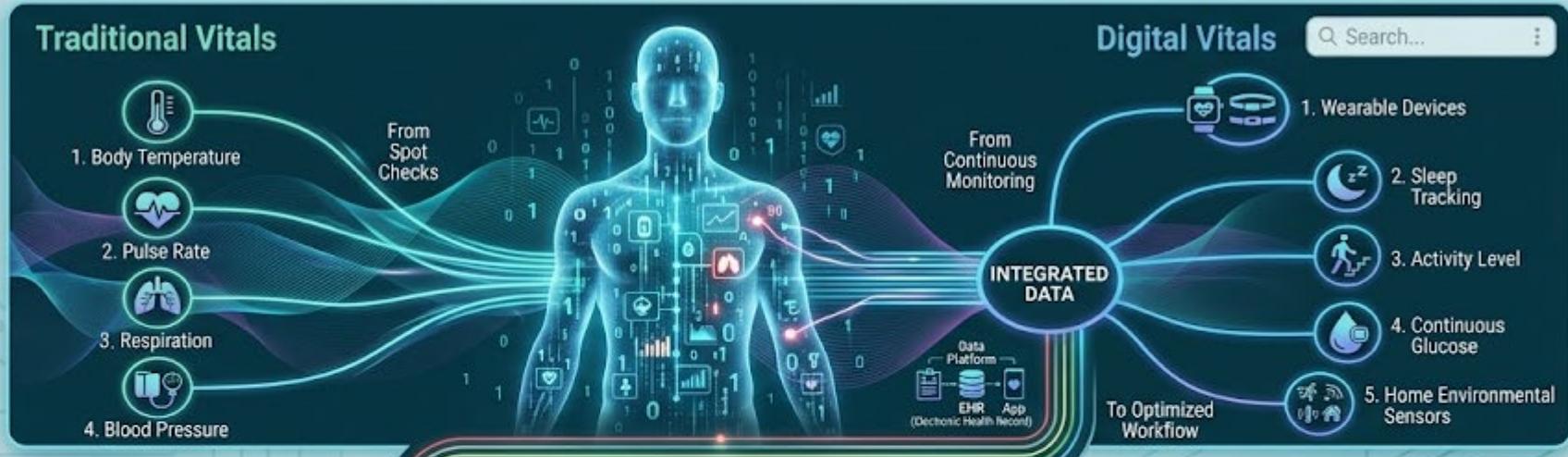
The Imperative for a Strategic Pivot and the Value Opportunity



Active Management



- Navigation
- Healthcare
- Working
- Statistics
- Contact



RISK SCORE

Aggregate Real-time Risk Index

Real-time \uparrow To Personalized Sepsis Alert

Average Risk Score	Critical Patients Count	Patient-Staff Ratio Risk	Bed Occupancy
7.4, +0.2	19	RED	92%

Risk Score Trend (Past 24H) Real-time \uparrow / down

Time	Series 1	Series 2	Series 3	Series 4
3h	25	35	45	55
6h	30	40	50	60
9h	35	45	55	65
12h	40	50	60	70
12h	45	55	65	75
14h	50	60	70	80
16h	55	65	75	85
18h	60	70	80	90
20h	65	75	85	95
24h	70	80	90	100
24h	75	85	95	100

Aggregate Risk Index: Low to High

John D. ER Bed 4 00:27:10:53 ▲ up/down Sepsis Risk: HIGH Individual Patient:	John D. ER Bed 4 00:27:17:55 ▼ up/down Sepsis Risk: HIGH Individual Patient: HIGH	John D. ER Bed 5 00:17:18:35 ▲ up/down Sepsis Risk: HIGH Individual Patient: HOW
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Future Proofing the Care Team



Operationalizing Empathy : The Science of Connection



