

Real World AI: Insider Experiences and Perspectives

Thursday October 10, 2024 -- Wrightsville Beach, NC

Christy Spivey, RN, BSN, MBA, NE-BC, FACHE, Novant Health

Heather Thornton, VP Digital Applications, Sutter Health

Jim Beinlich, MBA, Principal Consultant, Himformatics

Eddie Parrish, CIO, EmergeOrtho

Annual Conference 2024

Building the Future of Health Together



Panel Objectives

1

Provide insights into how three different organizations are thinking about and putting AI into practice.

2

Share examples of how AI has been successfully implemented, highlighting key strategies, **challenges**, and tangible benefits.

3

Offer practical real-world guidance on how AI efforts formed, from strategy to use cases to selecting the right tools and building a team to enable/support.



**Christy Spivey, RN, BSN,
MBA, NE-BC, FACHE**

Senior Director of Nursing
Community Hospitals
Coastal Market &
Hospital at Home



Heather Thornton

Vice President,
Digital Applications



Jim Beinlich, MBA

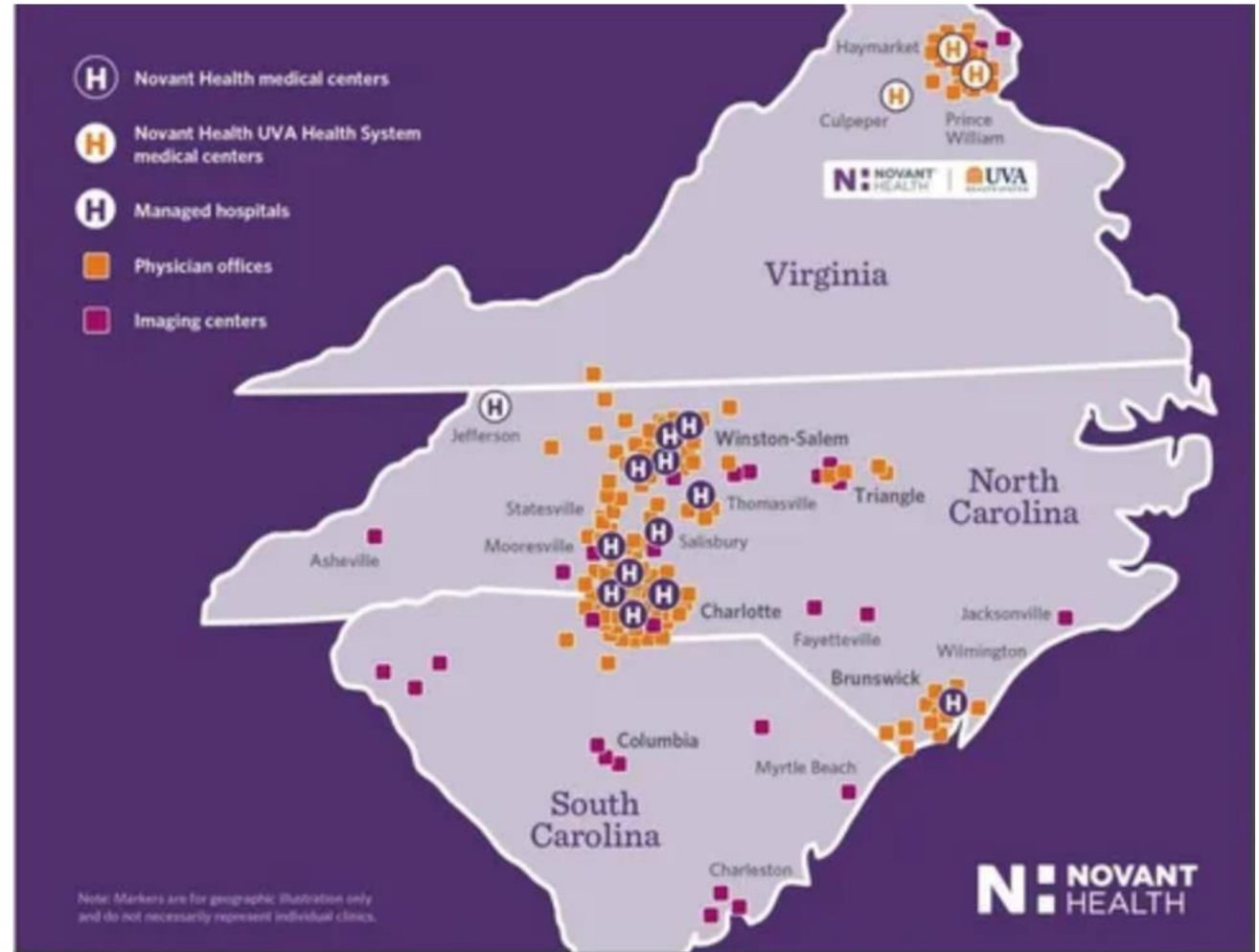
Principal Consultant,
Healthcare Information
Technology



Eddie Parrish
CIO

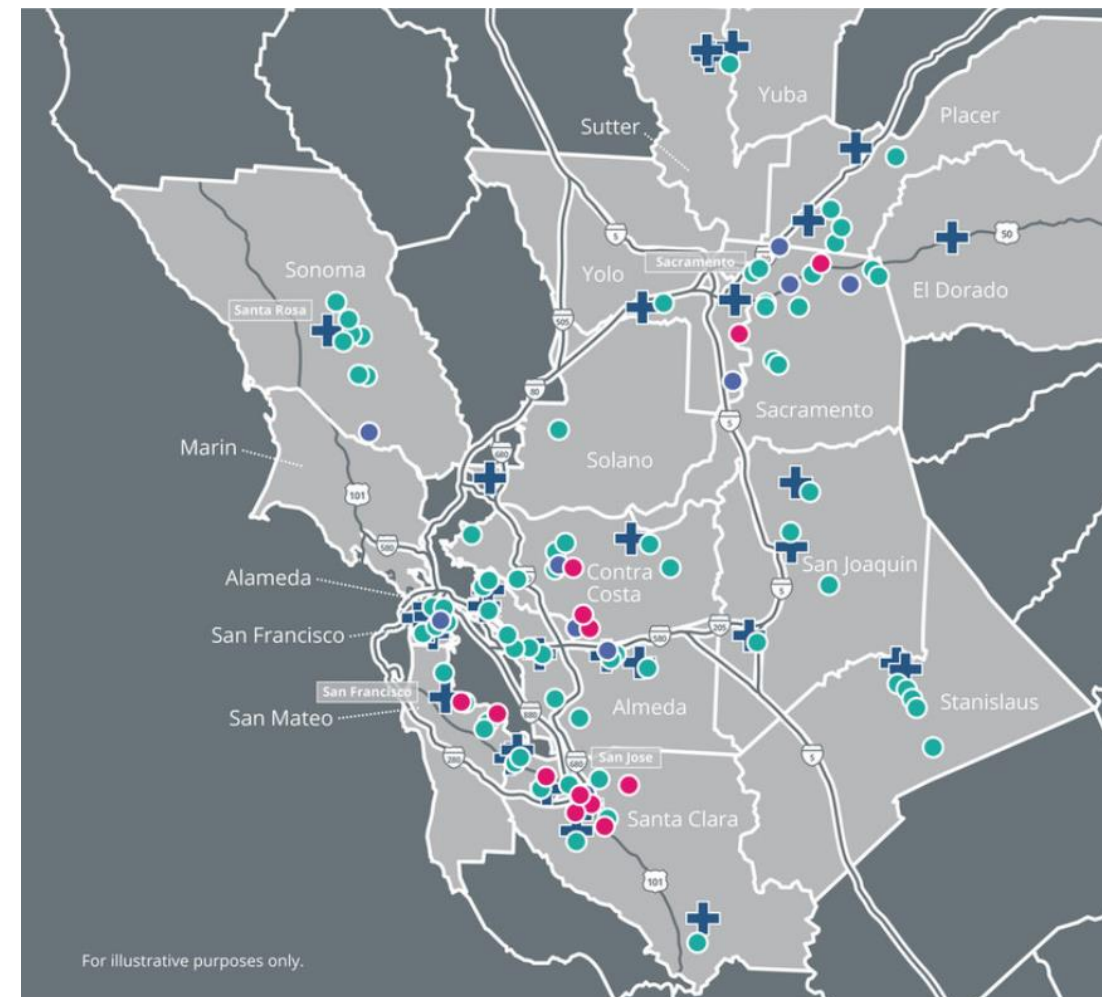
Novant Health (Christy Spivey, RN, FACHE)

- Four-state not-for-profit integrated network of clinics, outpatient centers, and hospitals across the Southeast
- 850 locations including 19 medical centers and hundreds of outpatient facilities and physician clinics
- More than 2,000 physicians
- 40,000 employees
- 8.3 billion USD (Operating, 2023)



Sutter Health (Heather Thornton, VP)

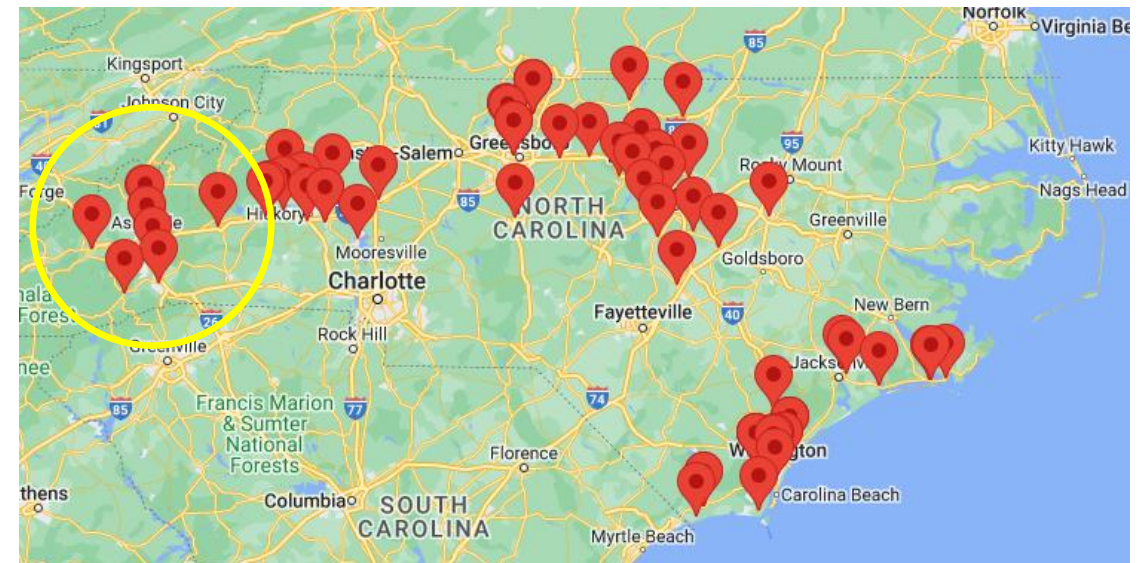
- Sutter Health is a not-for-profit integrated health delivery system headquartered in Sacramento, CA
- Provides care to more than 3 million Californians
- Over 4,100 licensed general acute care beds
- 12,000+ physicians, 16,000+ nurses, and 2,000 advanced practice clinicians
- Over 55,000 employees
- 24 acute care hospitals and more than 200 clinics



+ Hospitals
 ● Urgent Care Centers
 ● Sutter Walk-in Clinics
 ● Retail Walk-in Clinics

EmergeOrtho (Eddie Parrish, CIO)

- Continuity of care focused linked by single EHR (AthenaOne)
- Over 1 million annual visits
- 2,211 employees
- 170 physicians including 126 orthopedic surgeons
- 62 locations in NC
- 18 IT employees
- Participant in Physician Empowered Leadership of Transformational Organizations (PELTO)



1 - How has AI changed your governance and decision-making processes for your organization -- speak to how that impacts funding.



2 - We hear a lot about trust and transparency with AI. Not just with patients, but there has also been some stir about nursing and concern about impact on jobs.

Talk a little about what you are seeing within your organization to address these areas?



3 - For general security awareness, not everyone is aware of the differences between a protected or private AI environment vs public.

Talk at a high level about the differences and what people need to be aware of?



4 - ROI has been a hot topic recently, how is your organization looking at return on investment or better yet – value add of AI and outcomes?



5 – Share some real-world examples of the value-add of AI in healthcare.

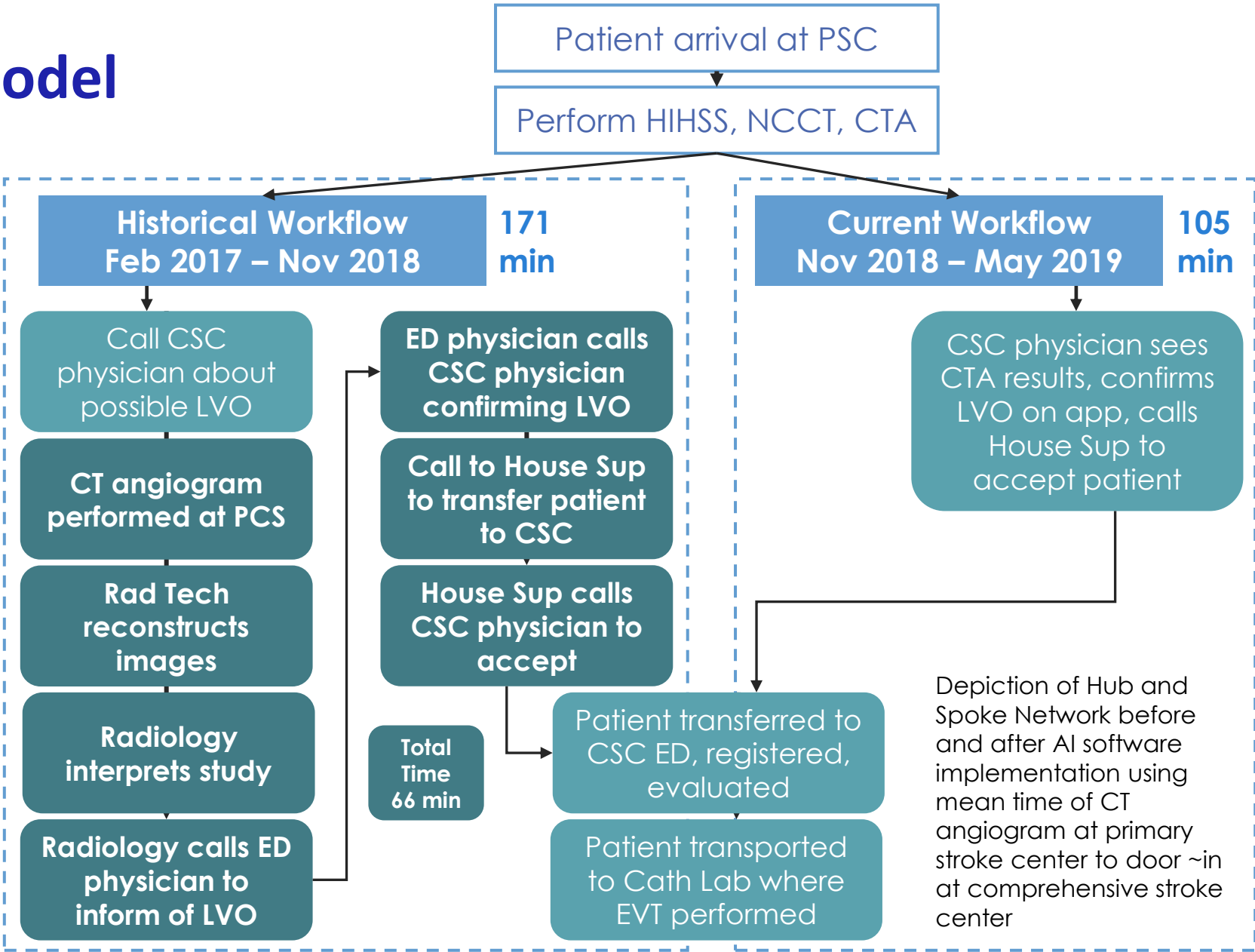


Slide
Reference

VizAI Spoke and Hub Model

Value Proposition

- ✓ **Service:** Access care where patients live
- ✓ **Quality:** LVO door to intervention time
- ✓ **Team:** Data pushed, convenient
- ✓ **Growth:** Regionalized system of care supports appropriate patients staying local; Primary stroke center patient transfer expedited to definitive care
- ✓ **Finance:** Number of patients retained in community hospital pays for software



Source: *Early experience utilizing artificial intelligence shows significant reduction in transfer times and length of stay in a hub and spoke model (viz.ai)*, Hassan et al. 2020

Next Slide

6 - Share a little bit about barriers or potential pitfalls for achieving potential value of AI use cases.





Thank You!



Christy Spivey, RN, Senior
Director of Nursing
Community Hospitals
Coastal Market & Hospital
at Home



Heather Thornton, Vice
President, Digital
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Jim Beinlich, MBA, Healthcare
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Eddie Parrish, CIO

Artificial intelligence applies advanced analysis and logic-based techniques, including machine learning, to interpret events, support and automate decisions, and take actions. - Gartner Glossary

ML & Deep Learning

Algorithms used in supervised and unsupervised learning that operate guided by lessons from existing information



Robot-assisted surgery

NLP

A machine learning technology that gives computers the ability to interpret, manipulate, and comprehend unstructured text



Voice recognition

Predictive Analytics

The use of historical and current data to predict future events



Sepsis onset detection

Gen AI & LLM

A specialized type of AI that has been trained on vast amounts of data to understand existing content and generate new content (images, text) based on prompts provided to a Gen AI application



Clinical summary generation

Getting started with AI



INVENTORY what you already have

- Applications
- Platforms
- Medical devices



Implement **GOVERNANCE**

- Leverage existing data or analytics governance
- Develop policies and standard operating model



Start with the right **USE CASES**

- Leverage existing systems
- High-value, actionable
- Must be able to operationalize workflows



Begin building **SKILLS** and **LITERACY**

- Assess where you are
- Leverage existing employee and training platforms
- Develop a plan

VizAI Spoke and Hub Model

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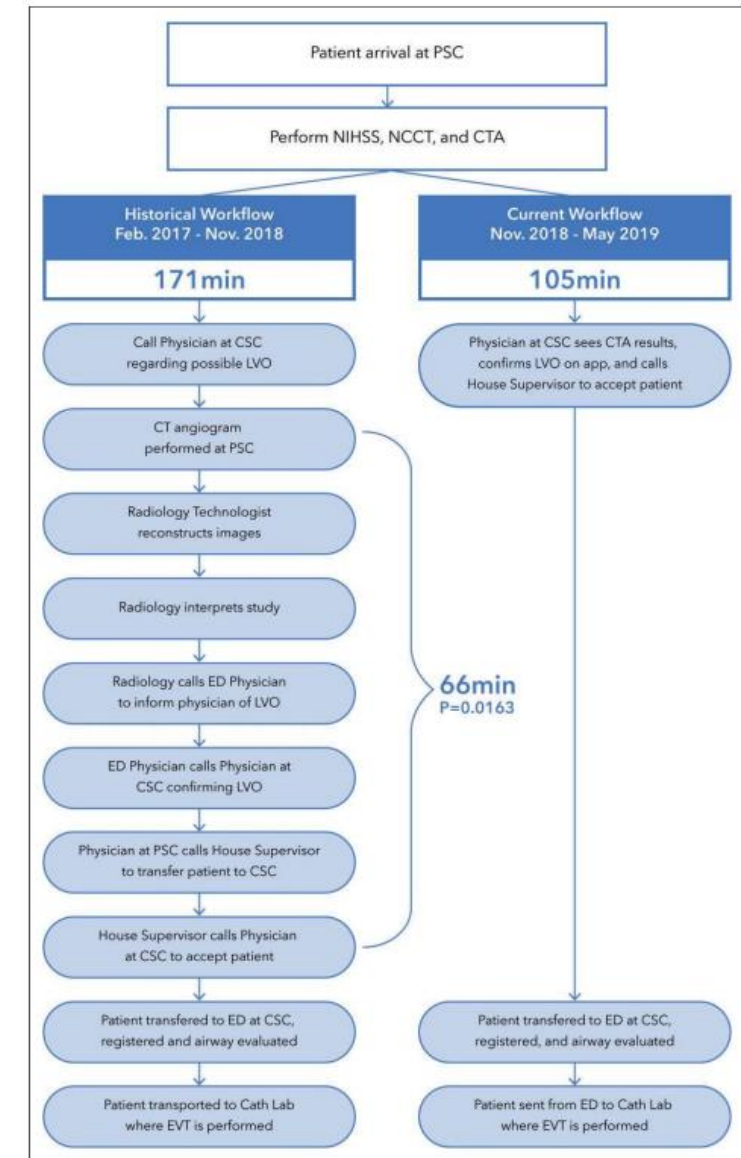


Figure 1. Depiction of the Hub and Spoke Network Before and After the Implementation of AI Software using mean time of CT Angiogram at primary stroke center to door-in at comprehensive stroke center.