

HITEC:
The Health Information Technology
Evaluation Collaborative
for New York State

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HEAL NY

(Healthcare Efficiency and Affordability Law for New Yorkers)

- Selected requirements of grantees:
 - Must provide 1:1 matching funds
 - Must evaluate impact of HIE intervention
 - Must fund evaluation through matching funds

Why Evaluate?

- Demonstrate value of HEAL initiative
 - Demonstrate uptake and usage
- Encourage future HIT and HIE adoption
 - Demonstrate financial benefits
 - Demonstrate patient and provider satisfaction
 - Demonstrate quality and safety benefits
- Iteratively refine HIT and HIE
 - Understand what is working well
 - Understand what can be improved
- Disseminate lessons learned and successes nationally

HEAL NY Grantees Face Obstacles to High-Quality Evaluations

- Limited financial resources
- Limited personnel with expertise in health services research and biostatistics
- Limited time
- Limited ability to generalize findings due to small sample sizes or single-center study designs

HITEC Can Help

- Not for profit, multi-institutional academic collaboration
 - Based at Weill Medical College
 - With collaboration from Columbia University, SUNY-Albany and others
- Aims to ensure robust evaluations of HEAL NY and other HIE initiatives in NY State
 - Will provide expertise in evaluation methodology, health information technology, health economics, survey methodology and biostatistics
 - Will conduct analyses across active HIE initiatives⁵

Why HITEC?

- Independent evaluation
- Common metrics provided greatest value
- HEAL NY grantees need quality evaluation at a reduced price
- Ability to do multi-site evaluations

HITEC Leadership

- Director: Rainu Kaushal, MD, MPH
 - Expertise in HIT including financial aspects, effects on patient safety and quality, and provider satisfaction
 - Currently leading evaluations for 2 HEAL-NY grantees and evaluating effects of HIT/HIE through the MAeHC in Massachusetts
- Deputy Director: Lisa Kern, MD, MPH
 - Expertise in technology assessment, quality of care and research methodology

HITEC Academic Members

- Cornell Dept of Public Health
 - Alvin Mushlin, MD ScM; Mark Callahan, MD; Madhu Mazumdar, PhD; Kay Yoon-Flannery, MPH
- Columbia Department of Biomedical Informatics
 - George Hripcsak, MD MS; Adam Wilcox, PhD; Jason Shapiro, MD
- SUNY Albany
 - Shadi Saleh, PhD
- New York Presbyterian Hospital
 - Gilad Kuperman, MD PhD; Maryam Behta, PharmD

Key Outcomes to Measure for the Effects of HIT and HIE

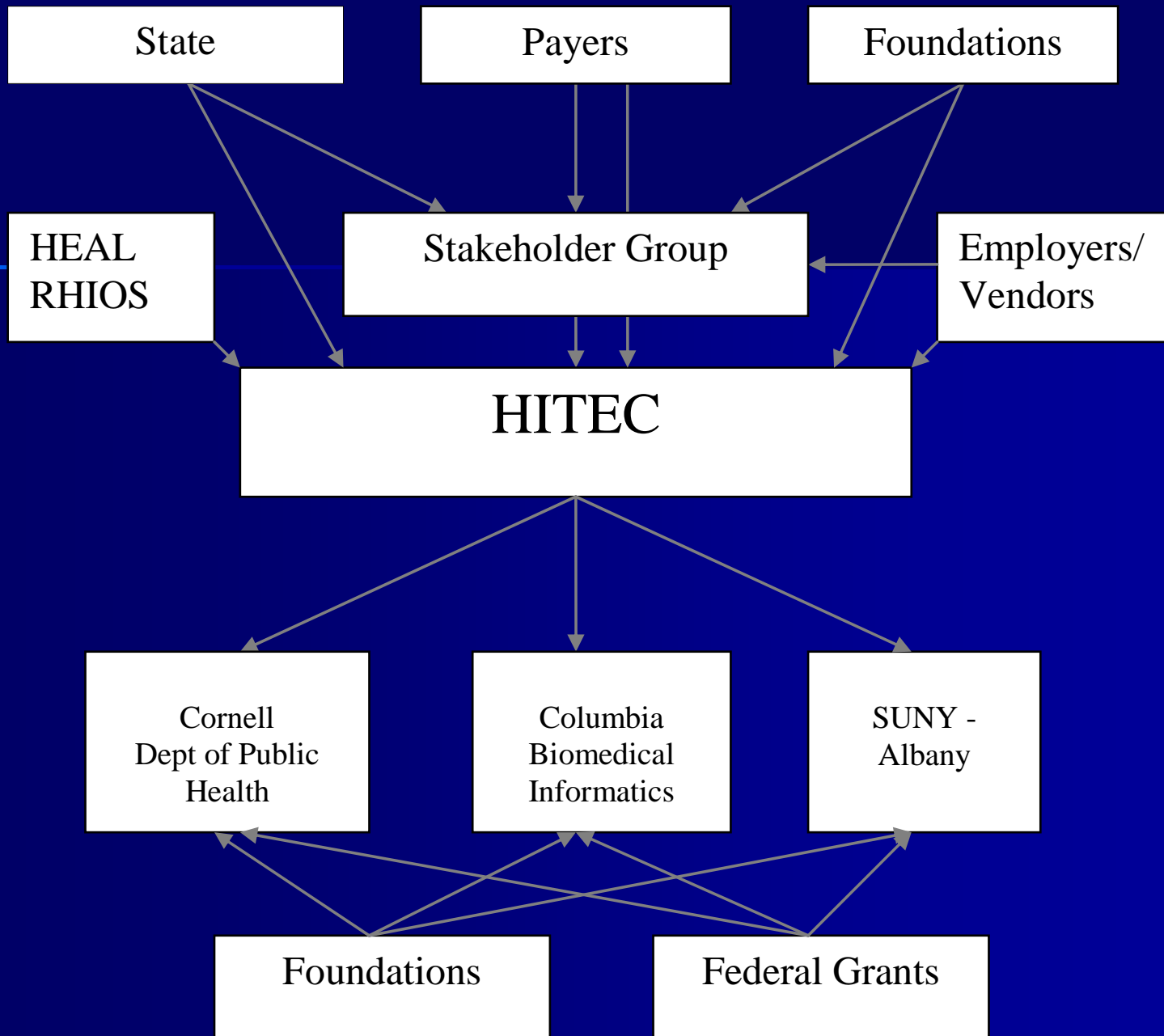
- Consumer expectations
- Provider experience including usage parameters and unintended consequences
- Financial ROI driven by efficiency
- Patient safety
- Health care quality
- Financial ROI driven by both efficiency and quality
 - Perspective of payers / purchasers
 - Perspective of providers
- Public health measures

Examples of How HIE Could Change Care and Save Money

- Decrease utilization of radiology and laboratory tests
- Decrease medication errors and thereby prevent adverse drug events
- Prevent unnecessary admissions from emergency departments
- Facilitate public reporting
- Facilitate medication reconciliation

NYS Policy Story

- Obtain an organizational profile of all grantees once a year for five years
 - HIT and HIE
 - Organization and governance
 - Time line for implementation
 - Business model and financial sustainability
 - Privacy and security
- State level lessons to help inform others



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