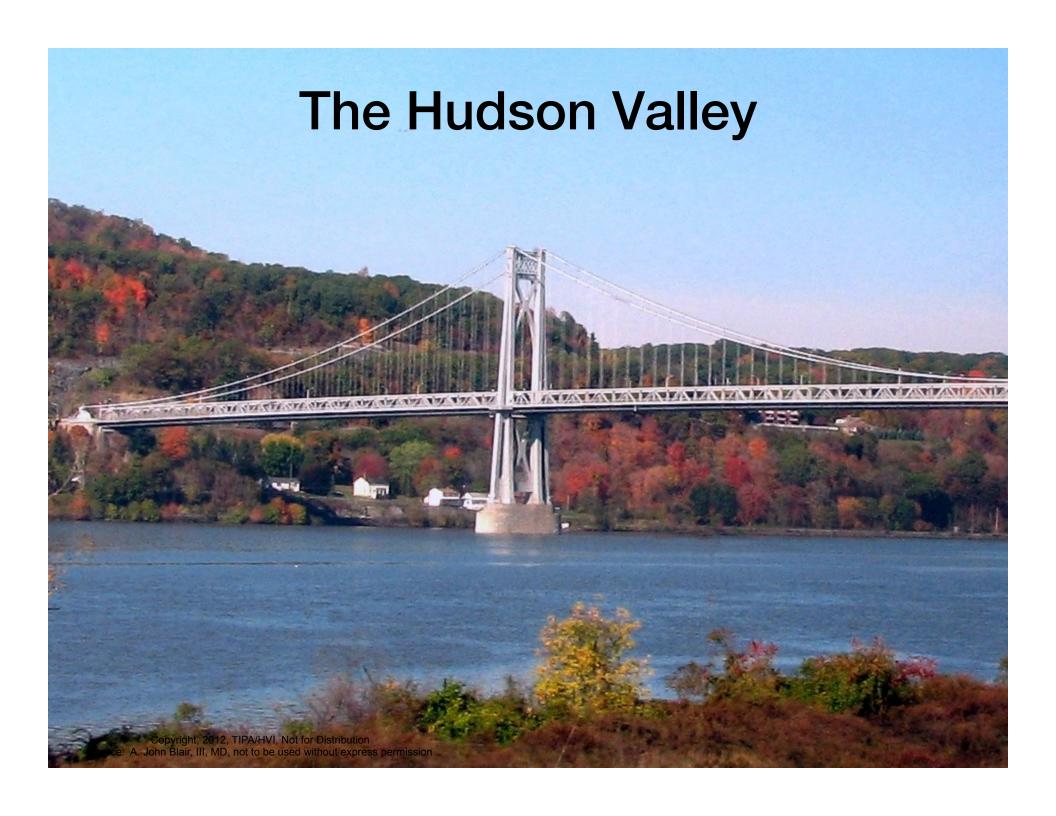


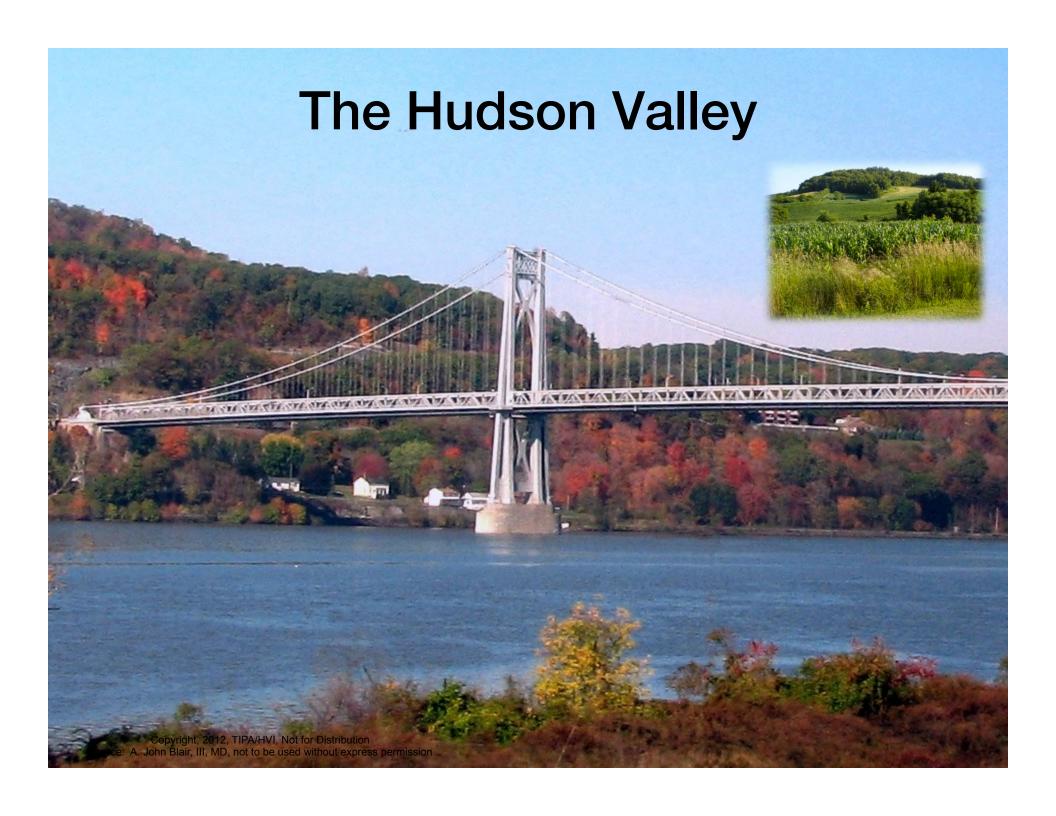


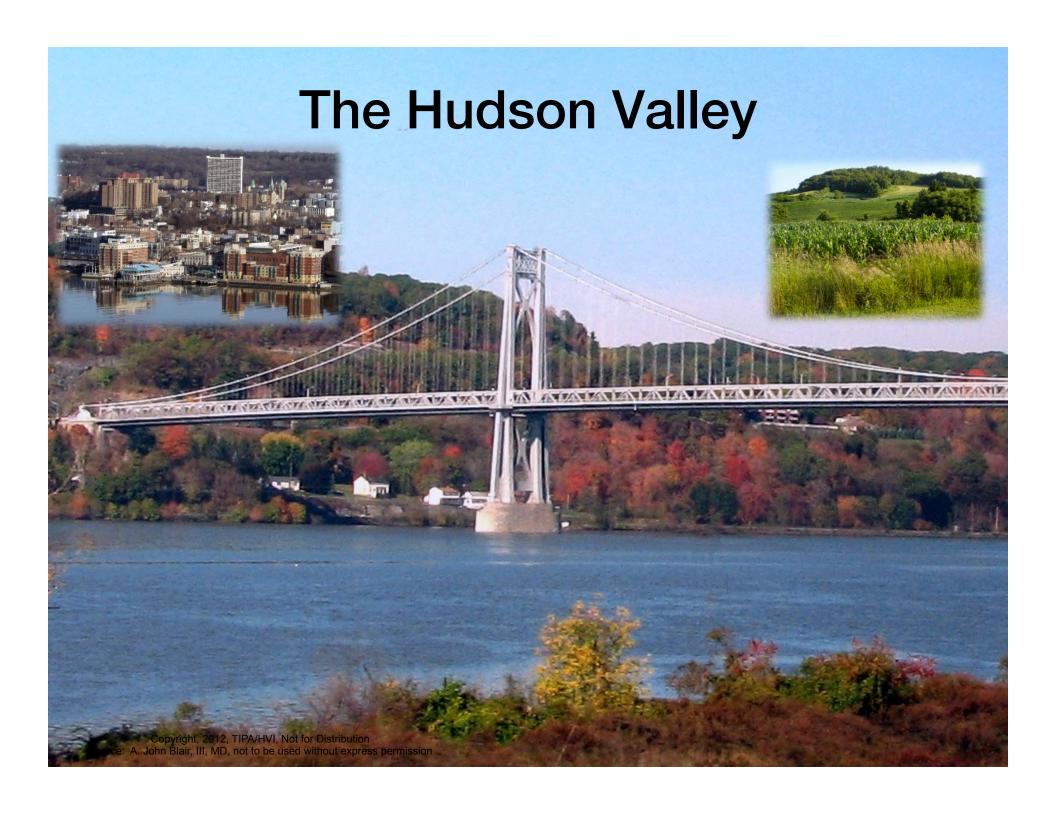
Leading by Example The Hudson Valley Initiative

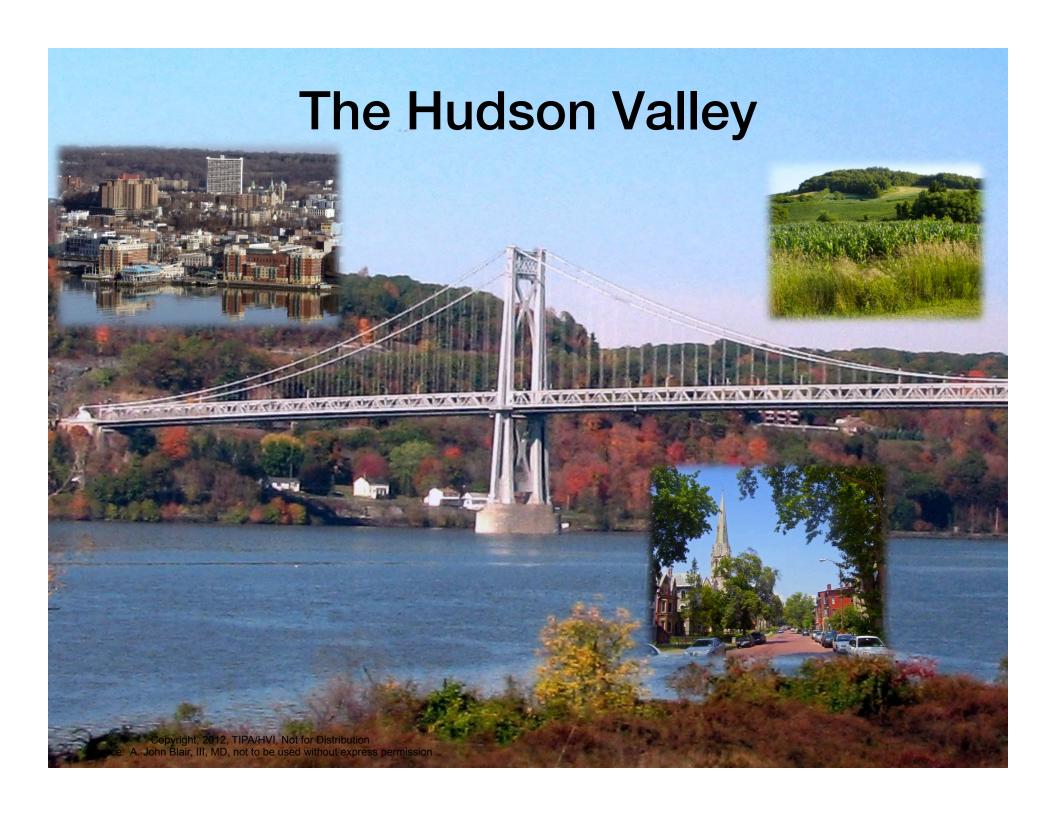
Redwood MedNet July 19, 2012

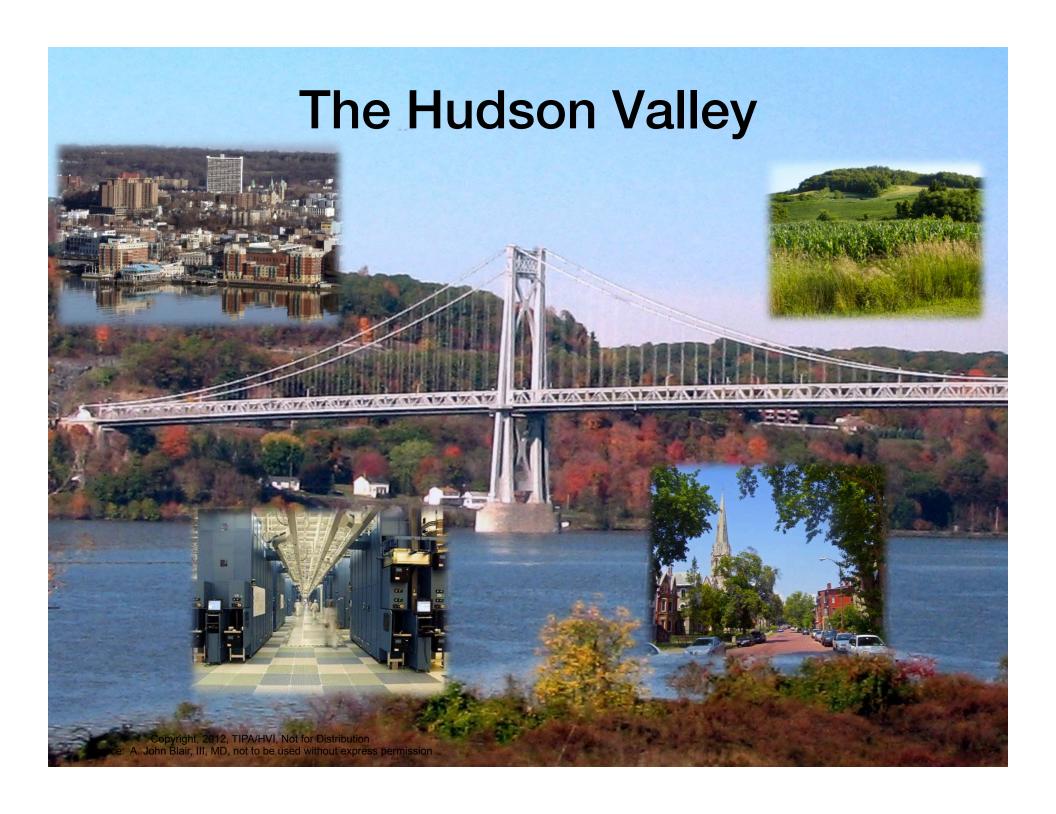
> A. John Blair, III, MD President, Taconic IPA & CEO, MedAllies Fishkill, NY





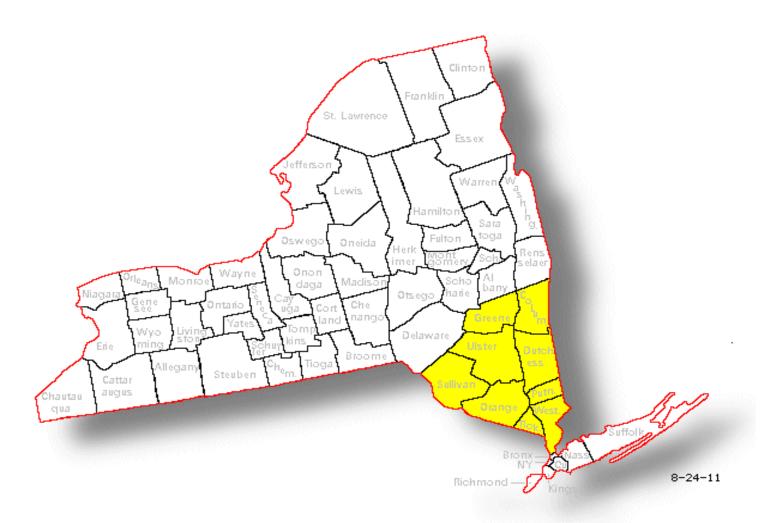
















What is the HVI?

- 9 counties along the Hudson River
- Population of 2.4 M
- Counties have per capita income ranging from lowest to highest in NYS and range from rural agricultural to urban core
- 4800 total physicians, roughly 1/3 primary care
- 25 hospitals
- PCP/100,000 ratios by county range from 22.31 to 104.20
- HVI efforts affect roughly half all physicians and patients in the region





HVI Organizations







Community Convener

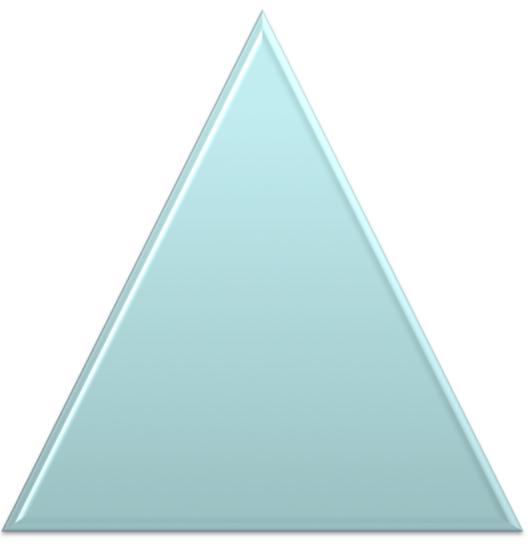
- Non-profit
- Vendor- and payer-neutral
- REC

Technology

- Technology implementation and support
- EHRs and HIE
- Sponsor of national ONC Direct Project

Practice Transformation

- Physician Leadership
- Advanced Primary Care Transformation



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Infrastructure

Transformation

Infrastructure

Transparency

Transformation

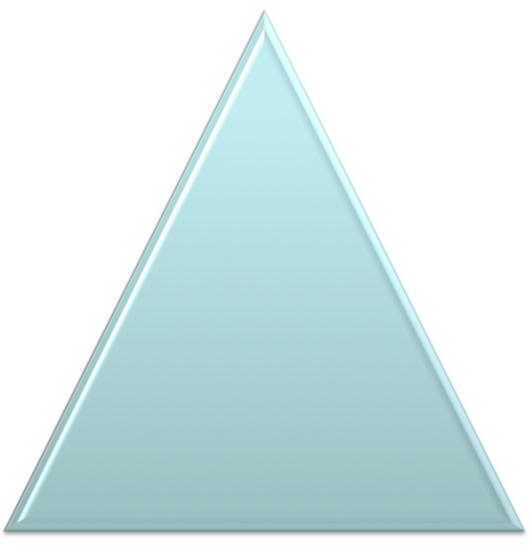
Infrastructure

Reimbursement Design

Transparency

Transformation

Infrastructure



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Creative Infrastructure Strategy

PCMH / PCMN

Creative Infrastructure Strategy

Provider Profiling Strategy

PCMH / PCMN

Creative Infrastructure Strategy

Employer/Multi-payer Reimbursement Design

Provider Profiling Strategy

PCMH / PCMN

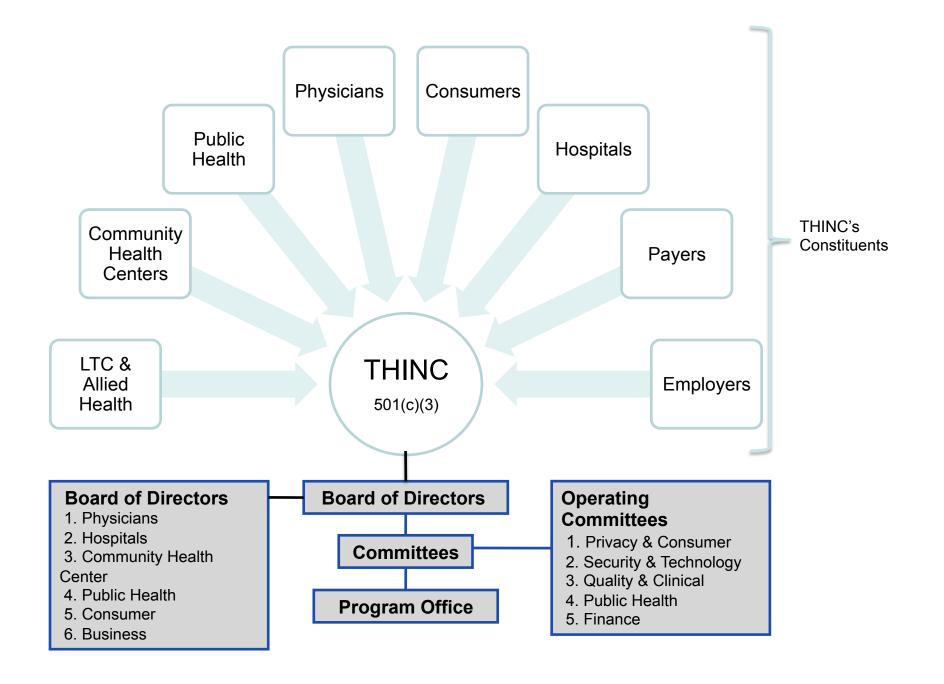
Creative Infrastructure Strategy





About THINC

- Founded 2005
- 501c3 non-profit
- Policy
- Convener
- Leadership
- Culture
- Reimbursement



Creative Infrastructure Strategy





About MedAllies

- Started in 2001
- For-profit
- EHRs
- HIE
- Direct





HVI Technology Infrastructure





HVI Technology Infrastructure







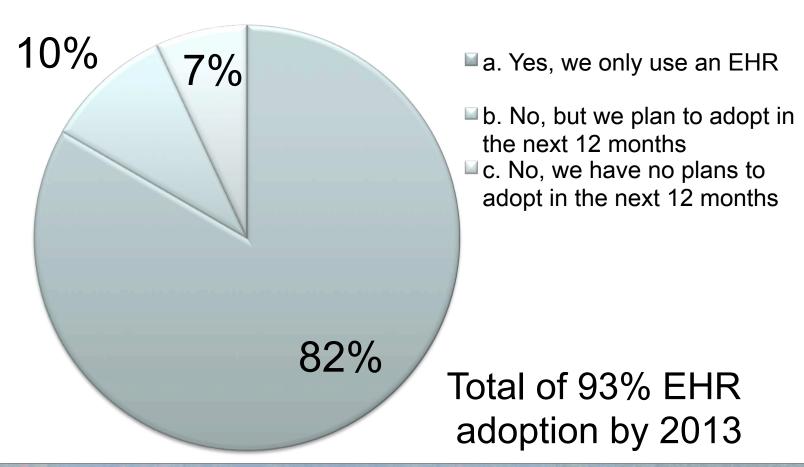
MedAllies/REC

Advances Works to Local practices to help experts to Supports highest community Connects multiple support level of third parties achieve clinical applications utilization of Meaningful practices HIT Use



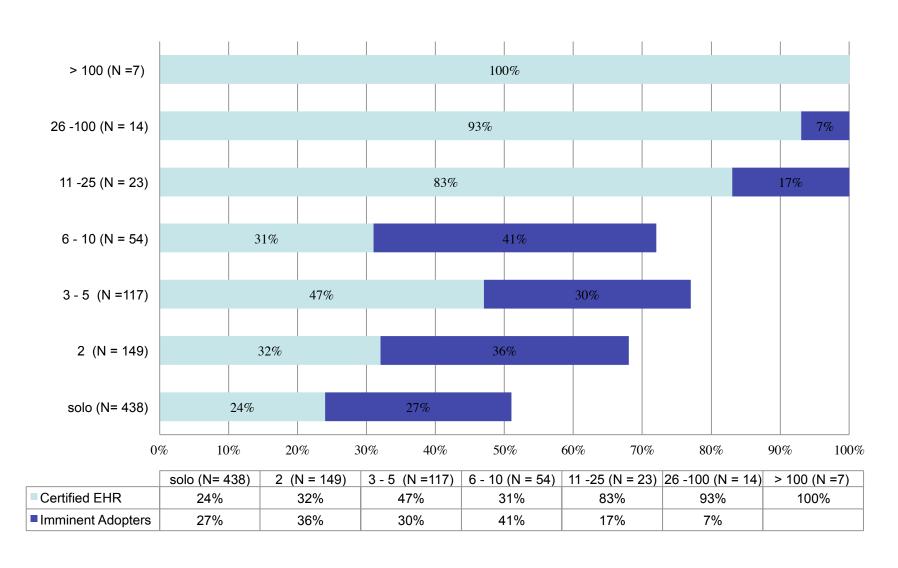


Certified EHR Adoption in the Hudson Valley



EHR Adoption in Hudson Valley

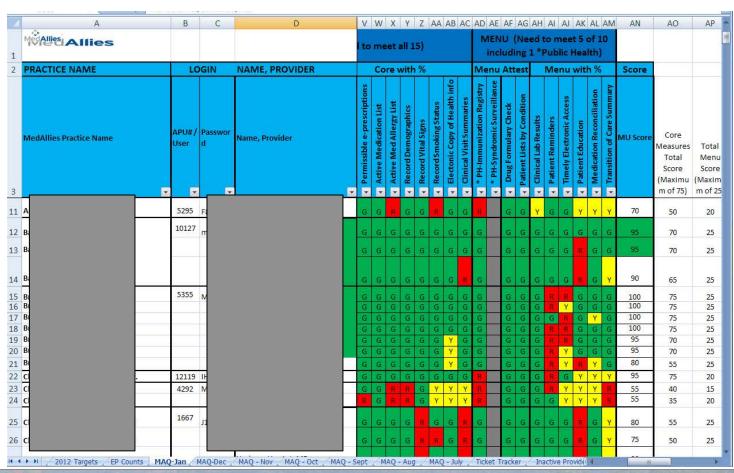
(total n surveyed=3216)







Meaningful Use





HVI Technology Infrastructure



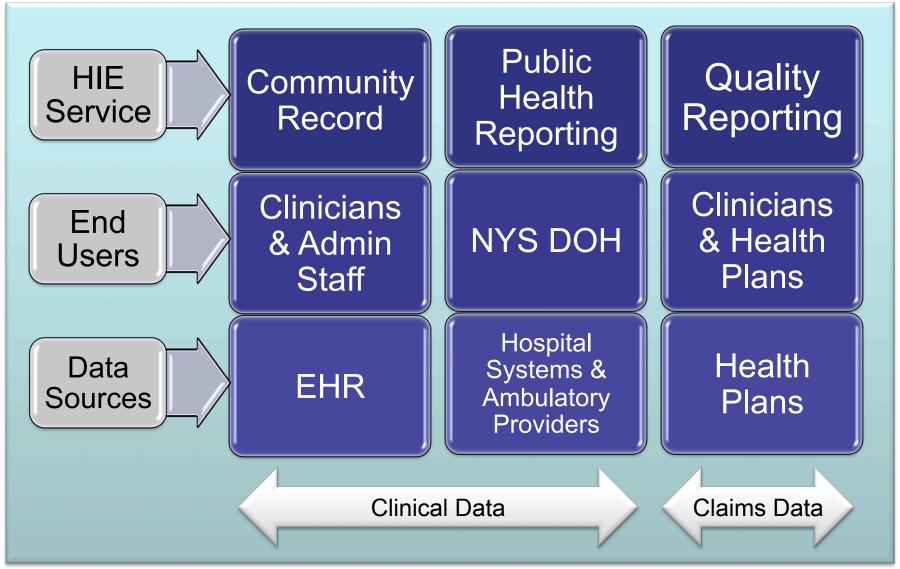




The Hudson Valley Health Information Exchange

- 10+ years experience
- Community Record
- Public Health Reporting
- Quality Reporting

HIE Services: Data Sources and End Users

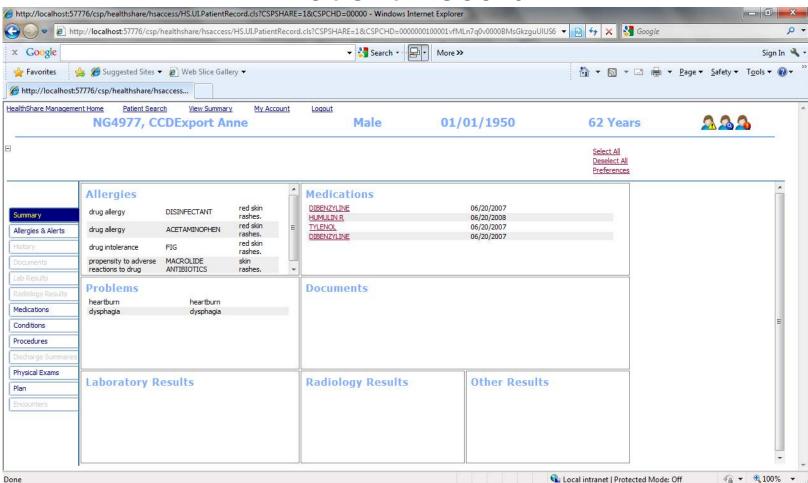


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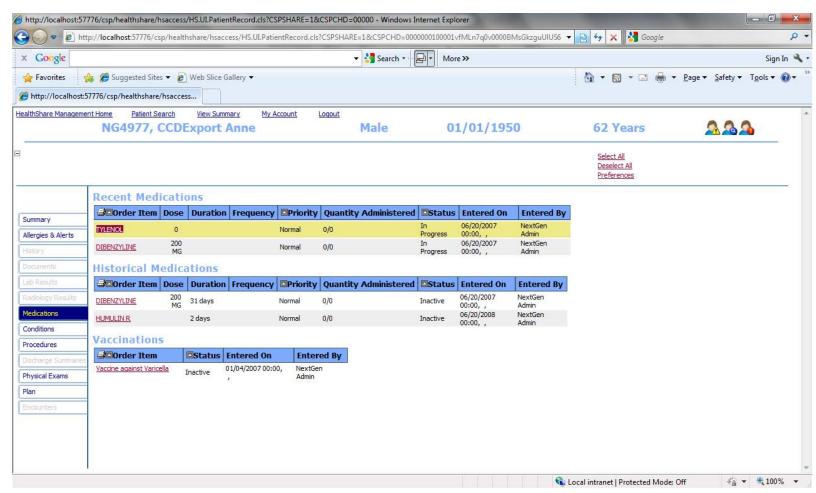
Patient Record





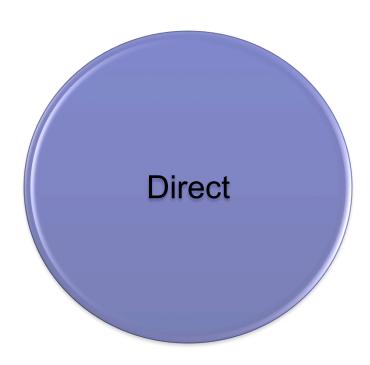


Drill Down: Medications





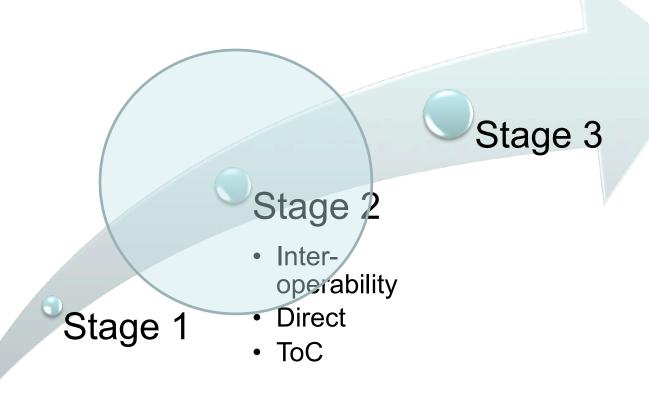
HVI Technology Infrastructure







Meaningful Use





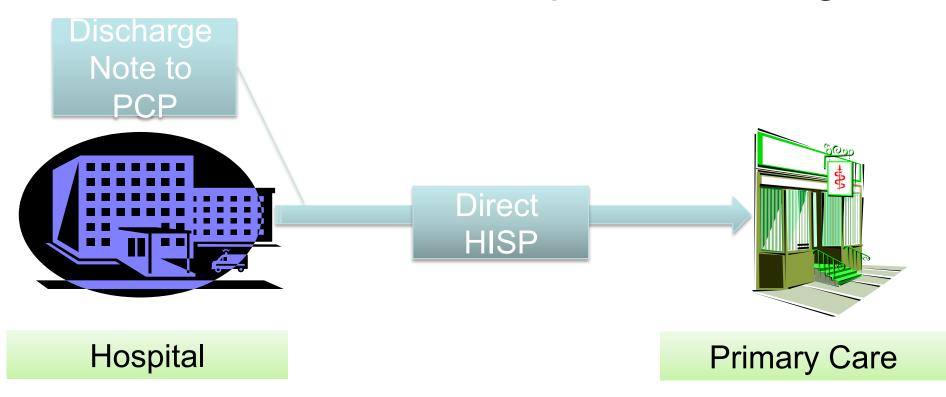
Connect Disparate EHR Systems







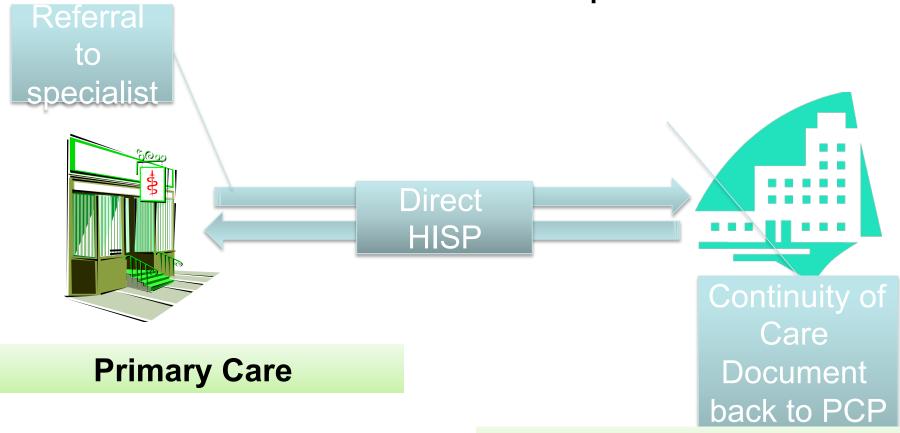
Direct Use Case: Hospital Discharge







Direct Use Case: Closed Loop Consultation



Specialist

Full Spectrum of Care

Acute Chronic

HIE	Direct	HIE
EDUrgent CareOn Call	 Office Daily Transition of Care Care Coordination 	 Complex High Risk High Cost 80/20 Embedded Care managers

Key Open Community Components

PCMH / PCMN

Creative Infrastructure Strategy

New & Changed Organizations





About Taconic IPA

- Not-for-profit
- Established in 1989 by physicians
- Quality improvement organization
- Business model: revenue from health plans and grants
- Network of 5,000 providers including ~90% of all physicians in Hudson Valley
- 2008: PCMH project launches
- 2011: Embedded care manager project launches





Advanced Primary Care Program and PCMH

350+ primary care providers participating

- 64 sites
- Solo providers to 200+ provider groups
- FQHCs
- All recognized at NCQA Level III in 2010/2011





TIPA Care Managers

- Highly experienced RNs in both acute and community care
- Certified in case management
- 8-10 week TIPA training program
- Immersion experience at Geisinger ProvenHealth Navigator sites
- Flexible
- Committed
- LOVE WHAT THEY DO!





Embedded Care Manager Program

- Complex/multiple co-morbidities
- Avoidable admissions & readmissions
- Seamless transitions of care
 - Inpatient to ambulatory
 - PCP-Specialist-PCP
- Patient Experience
- Reducing unnecessary costs





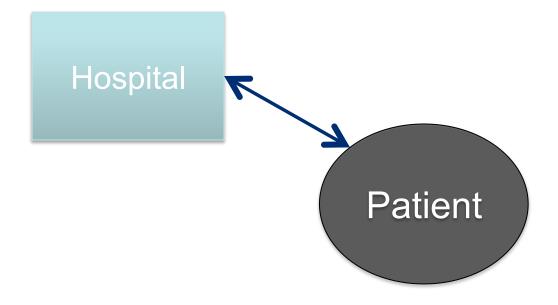
Characteristics of TIPA ECM Pilot

- 125 patients per RN
- 10 PCPs per RN
- On-site at practice
- Central infrastructure
- IPA employees
- Compliance

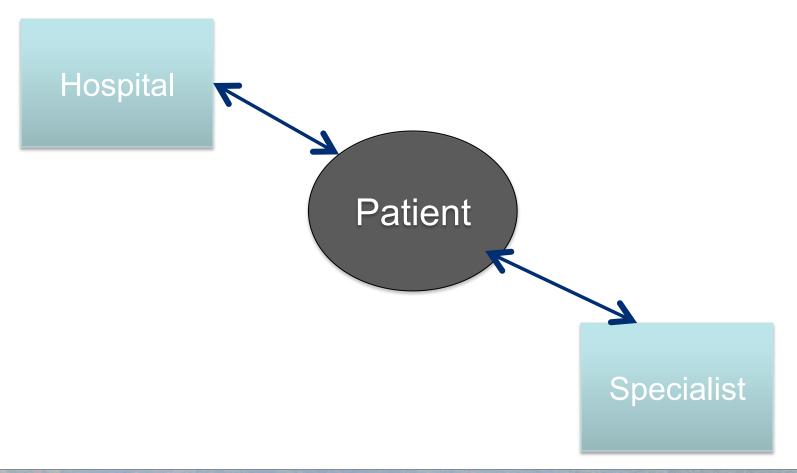




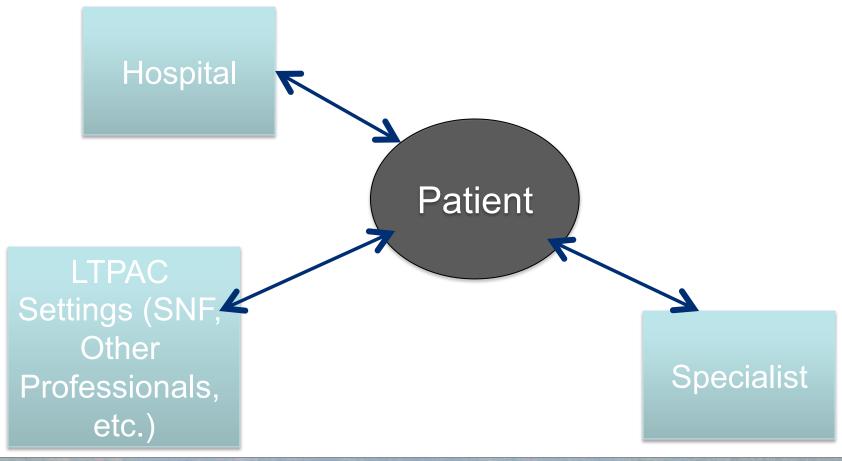






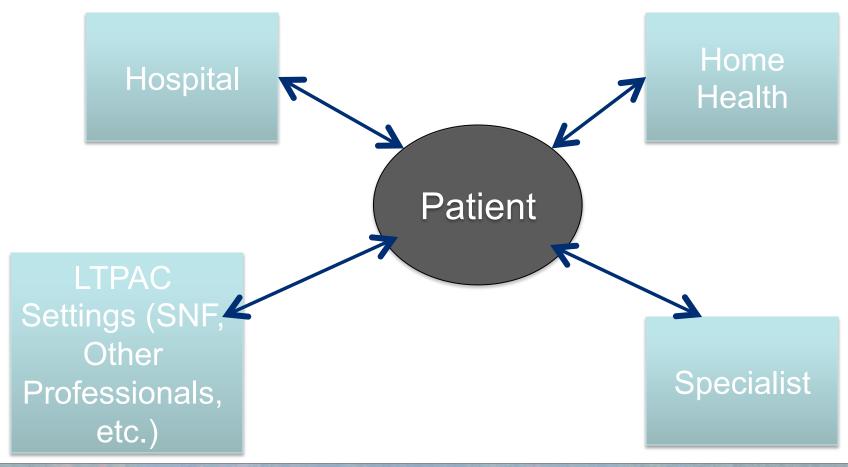






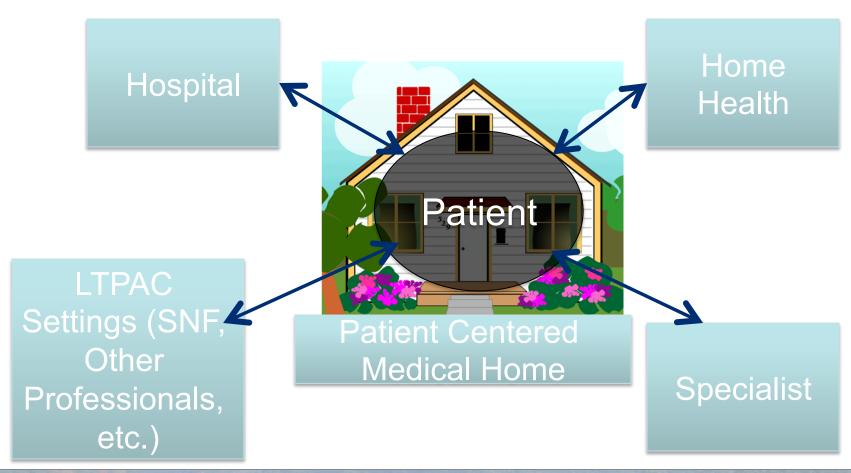












Key Open Community Components

Provider Profiling Strategy

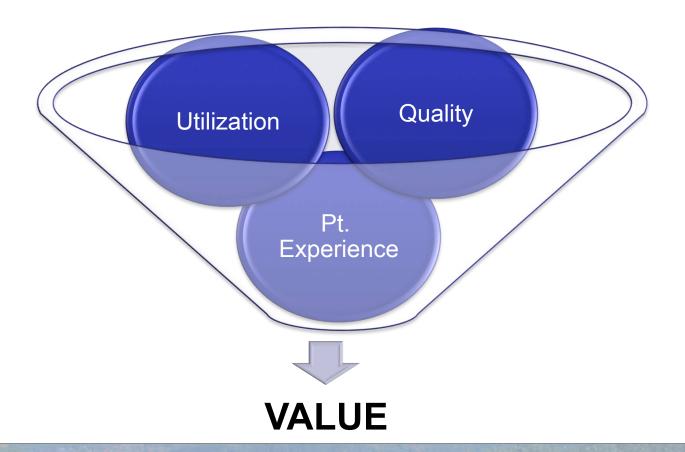
PCMH / PCMN

Creative Infrastructure Strategy

New & Changed Organizations



Provider Profile







Ongoing Data Collection

- Quality
 - Claims
 - EHR
- Cost and Utilization
 - Claims
- Patient Experience
 - CAHPS surveys





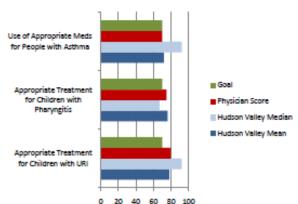
Quality Data

THINC

Taconic Health Information Network and Community

MEDICAL HOME PHYSICIAN QUALITY PROFILE

Respiratory Care



Physician: Gen Eric

ASM - Use of Appropriate Medications for People with Asthma: The percentage of members 5–56 years of age during the measurement year who were identified as having persistent asthma and who were appropriately prescribed medication during the measurement year.

CWP - Appropriate Treatment for Children with Pharyngitis: The percentage of children 2–18 years of age who were diagnosed with pharyngitis, dispensed an antibiotic and received a group A streptococcus (strep) test for the episode. A higher rate represents better performance (i.e., appropriate testing)

URI - Appropriate Treatment for Children with URI: The percentage of children 3 months-18 years of age who were given a diagnosis of upper respiratory infection (URI) and were not dispensed an antibiotic prescription.

2. NCQA Recognition



For more information on NCQA's PPC - Patient Centered Medical Home, please go to http://www.ncqa.org/tabid/631/Default.aspx.





Utilization Reports

Report Refresh Date 11/14/11 2:07 PM

Utilization Measures Report

Practice: Primary Care Physicians of Westchester

Utilization Description	Number	
Number of Patients	108	
Number of Physicians Contributing to Score	3	
DCG Mean	7.04	
Out Patient Utilization		
Number of Office Visits with* Primary Care Physician	507	
Number of Office Visits with Specialists	200	
Number of Laboratory Tests (blood and urine tests)	1,774	
Number of Radiology and Other Diagnostic Tests (not included in laboratory results above)	133	
Generic Prescribing Rates	0.64	
Emergency Department and Hospital Utilization		
Number of Hospital Admissions	2	
Number of Emergency Department Visits	11	
Number of Readmissions (within 30 days of discharge)	0	





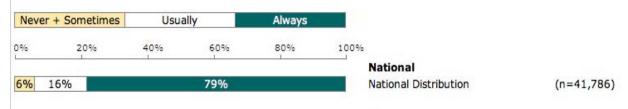
Patient Experience (Examples from 2010 CG-CAHPS)

Table 2. Top Box Composite and Doctor Rating Scores by Physician Specialty Category (Adult Primary Care Survey, 6-point Scale)

Composite/Item	All Physician Specialties (N = 128,030)	Family Practice (N = 15,972)	Internal Medicine (N = 99,603)	Other Primary Care* (N = 6,995)	Other Specialty* (N = 4,353)
Access to Care Composite	55.02%	54.97%	54.71%	57.81%	60.19%
Doctor Communication Composite	76.73%	76.98%	76.36%	80.65%	77.59%
Office Staff Composite	63.99%	67.34%	62.75%	67.95%	71.60%
Overall Rating of Doctor: % selected 9 or 10	75.49%	75.51%	74.98%	81.00%	77.01%

2010 Adult Primary & Specialty Care 4 Point

How Well Doctors Communicate With Patients Combines responses from six questions regarding how often doctors communicated well with consumers.



View additional characteristics





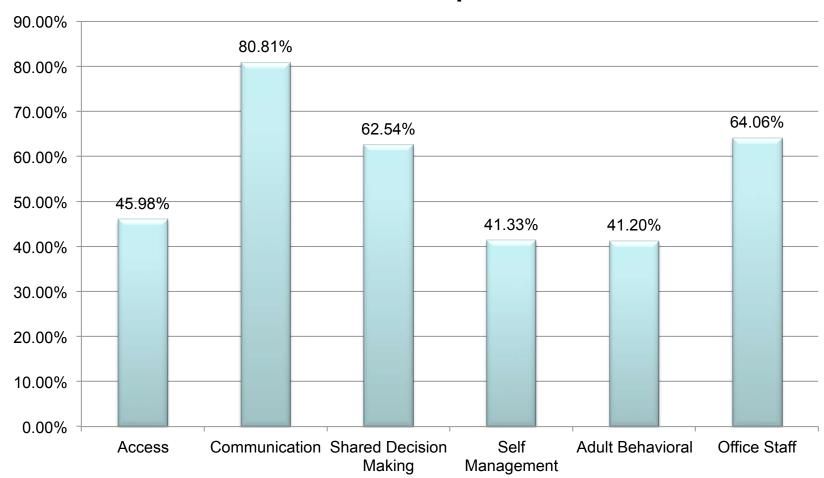
Patient Experience

- NCQA Medical Home CAHPS Adult and Pediatrics survey
- Minimum 45 completed annually per primary care provider
- Ongoing and annual administration
- Benchmarked to practice, project, and nationally





Overall Adult CAHPS Top Box Scores to date



Learning from Data

Only 46% of patients gave highest possible score on Access (Source: 2011-2012 TIPA PCMH-CAHPS surveys across 11 practices representing 290,000 patients.)

 A comment written on the survey in response to the question "Did this provider's office give you information about what to do if you needed care during evenings, weekends, or holidays?"

No. Other doctors will take care of me in the Emergency Room.





Considerations

- Attribution logic
- Validation of utilization measures
- Calculation of cost per episode
- Ongoing quality improvement and the importance of real-time data collection
 - EHR-based reporting from five different systems

Key Open Community Components

Employer/Multi-payer Reimbursement Design

Provider Profiling Strategy

PCMH / PCMN

Creative Infrastructure Strategy

New & Changed Organizations





Reimbursement Redesign

- 10 years experience
- Multi-payer
- Employers



Current Approach

- FFS
- PCMH
- Gainsharing

Hudson Valley Trajectory to Health System Restructuring:

Achieving Care Coordination and Outcome Measurement

Pts: Need Prospective Health Plan Support

Dedicated Care Coordination for High Risk

Patient Centered **Medical Home**

Primary Care

Capacity:

HIT Infrastructure:

EHRs and Connectivity

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Value/ Outcome Measurement: Quality, Utilization and Patient Satisfaction Measures to **Evaluate Success**

Value-Based Reimbursement: Transition to **Shared Saving** Model for Successful

Practices

Aligned with ACOs: Compliments ACO activity of larger

groups





Comprehensive Primary Care Initiative

- Under the CPCI, CMS will work with commercial and state health insurance plans to support primary care practices that deliver coordinated and seamless care based on the tenets of the patient-centered medical home.
- Monthly Care Management Fees and Shared Savings for Medicare FFS
- Project will select 75 practices in each target market





CPCI in the Hudson Valley

- THINC convened several planning meetings, provided application narrative text and technical assistance to these organizations to support their CPCI applications.
- Selection of Hudson Valley-Capital Region backed by six payers announced in June
- Practices applying currently process closing July 20
- 80 Hudson Valley practices known to have applied to date





Evaluation

- Currently underway
 - Impact of EHRs and Medical Home on Costs and Quality of Care
 - Impact of Case Management on Costs and Quality of Care
 - Evaluating Reliability of Key Utilization Measures to Predict Transformation Impact

Research-based Proof Points

- Healthcare Consumers' Attitudes Towards Physician and Personal Use of Health Information Exchange O'Donnell HC, Patel V, Kern LM, et al. Healthcare Consumers' Attitudes Towards Physician and Personal Use of Health Information Exchange. Journal of general internal medicine 2011.
- Electronic Prescribing Improves Medication Safety in Community-Based Office Practices Kaushal R, Kern LM, Barron Y, Quaresimo J, Abramson EL. Electronic prescribing improves medication safety in community-based office practices. Journal of general internal medicine 2010;25:530-6.
- Measuring the Effects of Health Information Technology on Quality of Care: A Novel Set of Proposed Metrics for Electronic Quality Reporting Kern, Lisa M.; Dhopeshwarkar, Rina; Barrón, Yolanda; Wilcox, Adam; Pincus, Harold; Kaushal, RainuJoint Commission Journal on Quality and Patient SafetyVolume 35, Number 7, July 2009, pp. 359-369(11)
- Achieving the Potential of Health Information Technology Burstin, Helen R. (editorial)
 Journal of General Internal MedicineJ Gen Intern Med 23(4):502–4DOI: 10.1007/
 s11606-008-0552-xSociety of General Internal Medicine 2008
- The Approaching Revolution in Quality Measurement Bates, David W. (editorial) Joint Commission Journal on Quality and Patient SafetyVolume 35, Number 7, July 2009, p. 358(1)
- Electronic Result Viewing and Quality of Care in Small Group Practices Barron, Yolanda;
 Blair, A. John; Salkowe, Jerry; Chambers, Deborah; Callahan, Mark A.; Kaushal, Rainu;
 Kern, Lisa M.JGIM: Journal of General Internal Medicine (0884-8734)4/1/2008. Vol. 23,lss.4;p.405-410





Lessons Learned



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Discussion

www.hudsonvalleyinitiative.com