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	Before		
	<b>ProvenCare</b> ®	<b>ProvenCare</b> ®	% Improvement
	(n=132)	(n=321)	-
In-hospital mortality	1.5 %	0.3 %	80 %
Patients with any complication (STS)	38 %	33 %	13 %
Patients with >1 complication	8.4 %	5.9 %	30 %
Atrial fibrillation	24 %	21 %	13 %
Neurologic complication	1.5 %	0.9 %	40 %
Any pulmonary complication	7 %	5 %	29 %
Re-intubation	2.3 %	0.9 %	61 %
Blood products used	24 %	22 %	8 %
Re-operation for bleeding	3.8 %	2.8 %	26 %
Deep sternal wound infection	0.8 %	0.3 %	63 %
Readmission within 30 days	6.9 %	5.6 %	20 %









	3/06	3/07	7/09	7/10
Diabetes Bundle Percentage	2.4%	7.2%	11.9%	12.9%
% Influenza Vaccination	57%	73%	74%	75%
% Pneumococcal Vaccination	59%	83%	84%	84%
% Microalbumin Order	58%	87%	88%	88%
% HgbA1c at Goal	33%	37%	43%	52%
% LDL at Goal	50%	52%	61%	54%*
% BP < 130/80	39%	44%	52%	54%
% Documented Non-Smokers	74%	84%	85%	85%

Improving CAD Care for 15,220 Patients				
	9/06	3/07	7/09	7/10
CAD Bundle Percentage	8%	11%	20%	22%
% LDL <100 or <70 if High Risk	38%	37%	47%	49%
% ACE/ARB in LVSD,DM, HTN	65%	66%	76%	76%
% BMI measured	79%	86%	98%	99%
% BP < 140/90	74%	74%	79%	79%
% Antiplatelet Therapy	89%	91%	92%	92%
% Beta Blocker use S/P MI	97%	97%	97%	97%
% Documented Non-Smokers	86%	86%	87%	87%
% Pneumococcal Vaccination	80%	80%	86%	86%
% Influenza Vaccination	60%	74%	76%	78%

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Improving Preventive Care for 211,896 Patients				
	11/07	7/10		
Adult Preventive Bundle	9.2%	28%		
Breast Cancer Screening (q 2 40-49, q 1 50-74)	46%	61%		
Cervical Cancer Screening (q 3 yr Age 21-64)	64%	74%		
Colon Cancer Screening (Age 50-84)	44%	63%		
Prostate Cancer Discussion (Age 50-74)	72%	75%		
Lipid Screening (Every 5 yr M > 35, F > 45)	75%	85%		
Diabetes Screening (Every 3 yr > 45)	85%	88%		
Obesity Screening (BMI in Epic)	77%	96%		
Documented Non-Smokers	75%	78%		
Tetanus Diphtheria Immunization (every 10 yr)	35%	68%		
Pneumococcal Immunization (Once Age >65)	84%	86%		
Influenza Immunization (Yearly Age >50)	47%	57%		
Chlamydia Screening (Yearly Age 18-25)	22%	35%		
Osteoporosis Screening (every 3 yr Age > 65)	52%	73%		
Alcohol Intake Assessment	84%	89%		





### ProvenHealth Navigator<sup>SM</sup> (Advanced Medical Home)

- Partnership between primary care physicians and GHP that provides 360-degree, 24/7 continuum of care
- "Embedded" nurses
- Assured easy phone access
- Follow-up calls post-discharge and post-ED visit
- Telephonic monitoring/case management
- Group visits/educational services
- Personalized tools (e.g., chronic disease report cards)





### Value Reimbursement Program

- Fee For Service
- P4P payments for quality outcomes
- Practice transformation stipends
  - PCP
  - Practice
- Value based incentive payments
  - Opportunity based on efficiency results
  - Payments distributed based on quality achievement

# Improving Value

Redesigning Care Delivery by Integrating Specialists and the Patient Centered Medical Home

#### Every System is Perfectly Designed to Achieve the Results It Gets

- · Problem to solve
  - "how can we successfully integrate specialty care with the PCMH (Proven Health Navigator) to improve quality, improve efficiency, and reduce cost for the population we serve?"
- Solution
  - We need to move away from a "widget-care" model to a valuebased model.
  - To create such a model, we need to understand what results we could achieve by redesigning our systems of care on a small scale first (pilots)



• We cannot create a new care and financial model without first getting some real data





















## Summary

- Quality and efficiency are inextricably linked together
- Efficiency originates from the same place as quality – fundamental care model redesign
- At Geisinger, we are trying to reinvent many aspects of the care process
- Geisinger has many advantages due to our integrated delivery system and its "Sweet Spot"



