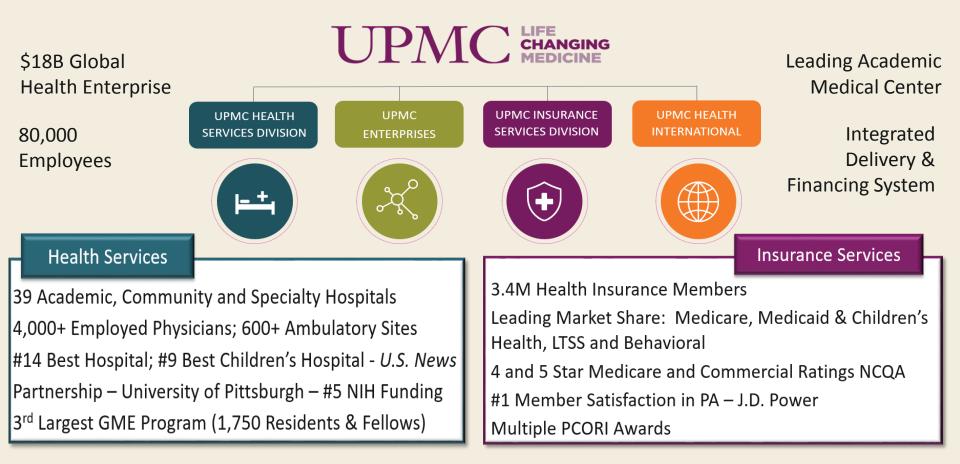
UPMC LIFE CHANGING MEDICINE

Improving Clinical Quality and Affordability Through Rapid Cycle Design

Presented to: National Academy of Medicine Clinical Effectiveness Research Innovation Collaborative January 25, 2018

Integrated Delivery and Finance System



Infrastructure to Support Implementing Care and Payment Transformation

Quality Review Committee				
UPM Quality Improvement P		8		
Quality Improvement Project Su				
	Quairty improvement or kesearch Checklist			

UPMC Provider-Payer Transformation Steering Committee





UPMC Center for High-Value Health Care

Value Based Pharmacy and Initiatives

Innovate

Population Health Meets Precision Medicine

Population Health

DECREASE variation in population care

Precision Medicine

INCREASE variation in individual care

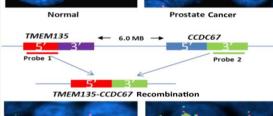


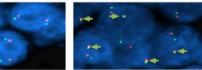
Analytics & Machine Learning

Targeted therapy (target severe disease and reduce unnecessary care)

Examples:

fusion genes identify aggressive prostate cancer

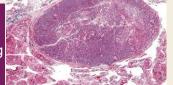




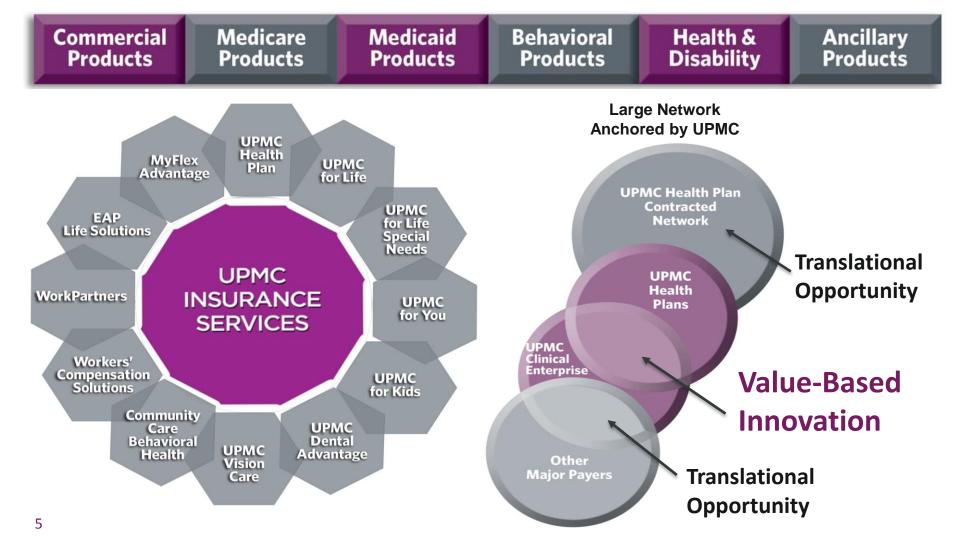


It's Not Cancer: Doctors Reclassify a Thyroid Tumor

An international panel led by UPMC and Pitt strips a type of tumor of its 'cancer' title, saving patients from unnecessary and painful life-long treatment.



ThyroSeq Nikiforov

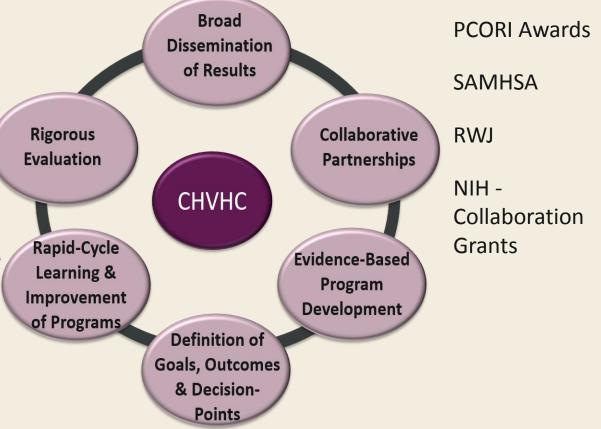


UPMC Center for High-Value Health Care

Promote and enhance visibility and innovation through **externally-funded research** that supports/ leverages ongoing work across the Insurance Services Division

Broadly **disseminate findings** through an active agenda of publication and presentations to spotlight UPMC's unique IDFS value proposition

6



Business Innovation, Learning, and Dissemination (BuILD) Framework – Rapid Learning Infrastructure



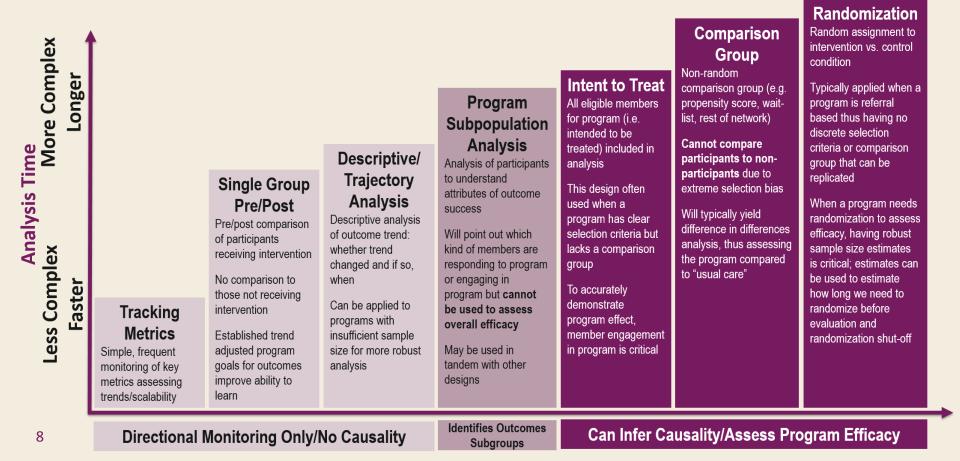
Support Business Innovation, Learning and Dissemination (BuILD) through a collaborative rapid cycle evaluation and learning process

Iterative rapid cycle evaluation and learning approach to reduce cycle time

Optimizing key outcome drivers enables programs to become more effective, more quickly and for learnings to be rapidly shared with other program teams as appropriate

Supports provider-payer transformation teams with design and evaluation and implementation strategies

Program Evaluation Design Options (Conducted Singularly or in Combination)



Provider-Payer Transformation Teams

Primary Care Transformation	Specialist Care Transformation	Post-Acute Care Transformation	Supportive/Palliative Transformation
 Create team based primary care Develop new primary payment models Align primary care with full ambulatory continuum 	 Refine protocol based care Reduce unnecessary practice variations Ensure appropriate utilization Enhance shared decision support Improve specialty-primary care coordination Create specialty medical homes 	 Develop innovative home and community based treatment capacity Optimize coordination of post- acute care services Enhance patient and family education, outreach and support 	 Improve quality of life for terminally ill Enhance in-home and other "hospice-type" services Enhance ambulatory-based education and support
Key MetricsPost-acute Follow-up Rates ↑Unplanned Care Rates ↓Surgery Rates ↓Readmission Rates ↓ASC RateER Presentation Post-AcuteCMS Stars (all cause)Enhance Patient Health BehaviorPatient/Family Satisfaction ↑	Key Metrics PCP : Specialist Ratio Post-acute Follow-up Rates ↑ Unplanned Care Rates ↓ Surgery Rates ↓ Readmission Rates ↓ ASC Rate ER Presentation Post-Acute CMS Stars (all cause) Patient/Family Satisfaction ↑	 Key Metrics Post-acute Follow-up Rates ↑ Readmission Rates ↓ ASC Rate ER Presentation Post-Acute CMS Stars (all cause) Nursing Home Rates Patient/Family Satisfaction ↑ 	 <u>Key Metrics</u> Palliative Care & Hospice Utilization ↑ Readmits 90 Days Pre-Death ↓ Chemo/Radiation 30 Days Pre-Death ↓ Patient/Family Satisfaction ↑

* Supported by people, business process and technology; predictive and prescription analytics; and aligned benefit designs and network configuration and management.

Transforming Care Through Value Based Payment Design

500 Medical Home Sites



Practices supported by robust analytics, care management technology support

Network and benefit designs engage members

Primary Care "Medical Home" Risk Sharing

Physicians incentivized to improve quality and reduce non-value add care

UPMC Health Plan Value Based Insurance Design

Five year Medicare Advantage Value Based CMS demonstration project

Our approach: Engage members with CHF, COPD and Diabetes in incentive program

Specialty Medical Home IBD

Team-based care to improve quality and cost outcomes

Post Acute In-Home Services

Transitions in care for high risk elderly

New Payment Model for Oncology Services

Five year CMS Oncology Care Model (OCM) in partnership with UPMC's Oncology-Hematology Associates

Bundled Payments

Orthopedics Spine Maternity Obstetrics AMI/CABG

Immediate