

Collaborative Connections Impacting Care – Day 2

Thursday, May 28, 2015



Introduction



Fred Cerise, MD, MPH
President and CEO
Parkland Health & Hospital
System



An ACA Progress Report

May 28, 2015

Fred Cerise
Parkland Health & Hospital System
RHP 9 Anchor





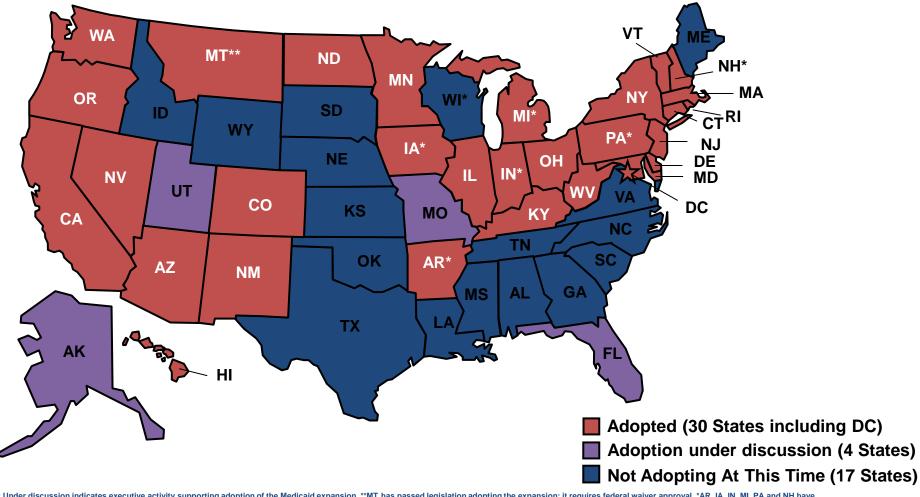


- Coverage/Access
- Cost
- Quality



Medicaid Expansion

Current Status of State Medicaid Expansion Decisions



NOTES: Under discussion indicates executive activity supporting adoption of the Medicaid expansion. **MT has passed legislation adopting the expansion; it requires federal waiver approval. *AR, IA, IN, MI, PA and NH have approved Section 1115 waivers. Coverage under the PA waiver went into effect 1/1/15, but it is transitioning coverage to a state plan amendment. Coverage under the IN waiver went into effect 2/1/15. WI covers adults up to 100% FPL in Medicaid, but did not adopt the ACA expansion.



Coverage in Expansion and Non-Expansion States

HEALTH INSURANCE COVERAGE AND THE AFFORDABLE CARE ACT May 5, 2015

	Baseline Uninsured Rate	Q1 2014	Q3 2014 entage Points from	Q1 2015
Non-expansion	23.4	-2.5	-4.5	-6.9
<138% of FPL	61.8	2.7	-0.9	-7
139-400% of FPL	22.2	-4.7	-7.3	-10.1
>400% of FPL	1.9	0.4	-0.6	-1.1
Expansion	18.2	-2.8	-6.2	-7.4
<138% of FPL	55.0	-2.7	-5.5	-13
139-400% of FPL	18.1	-4.1	-8.3	-9.5
>400% of FPL	1.8	-0.4	-1.3	-1.3

Source: Office of the Assistant Secretary for Planning and Evaluation (ASPE) analysis of Gallup-Healthways Well-Being Index survey data through 3/4/15.

All models update the analysis from Sommers et al, N Eng J Med 2014. All models use nationally-representative survey weights and adjust for age, sex, race, ethnicity, employment, household income, state of residence, +/- a linear time trend; *ASPE defines states that expanded their Medicaid programs as of February 1, 2015. States include AZ, AR, CA, CO, CT, DE, DC, HI, IL, IN, IA, KY, MD, MA, MI, MN, NV, NH, NJ, NM, NY, ND, OH, OR, PA, RI, VT, WA, and WV.



Health Insurance Coverage by Race/Ethnicity

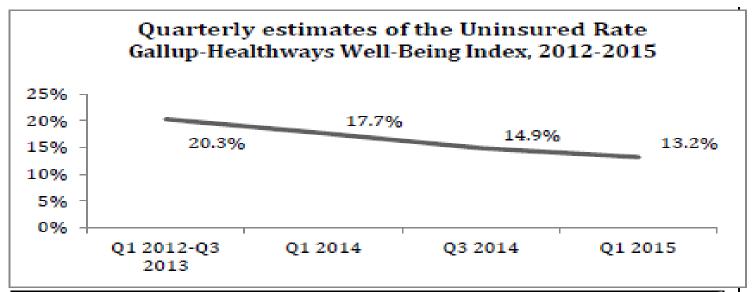
HEALTH INSURANCE COVERAGE AND THE AFFORDABLE CARE ACT May 5, 2015

	Baseline Uninsured Rate	Q1 2014	Q3 2014	Q1 2015	
		Change in Perce	Baseline Trend		
Whites	14.3	-1.7	-4.7	-5.3	
African Americans	22.4	-4.5	-7.2	-9.2	
Latinos	41.8	-4.1	-5.9	-12.3	

Source: Office of the Assistant Secretary for Planning and Evaluation (ASPE) analysis of Gallup-Healthways Well-Being Index survey data through 3/4/15. All models update the analysis from Sommers et al, N Eng J Med 2014. All models use nationally-representative survey weights and adjust for age, sex, race, ethnicity, employment, household income, state of residence, +/- a linear time trend.



More Getting Covered



	Q1 2014	Q3 2014	Q1 2015
Number gained			
coverage since baseline			
(Q1 2012-Q3 2013)	5,200,000	10,700,000	14,100,000

Source: Office of the Assistant Secretary for Planning and Evaluation (ASPE) analysis of Gallup-Healthways Well-Being Index survey data through 3/4/15. All models update the analysis from Sommers et al, N Eng J Med 2014. All models use nationally-representative survey weights and adjust for age, sex, race, ethnicity, employment, household income, state of residence, +/- a linear time trend.



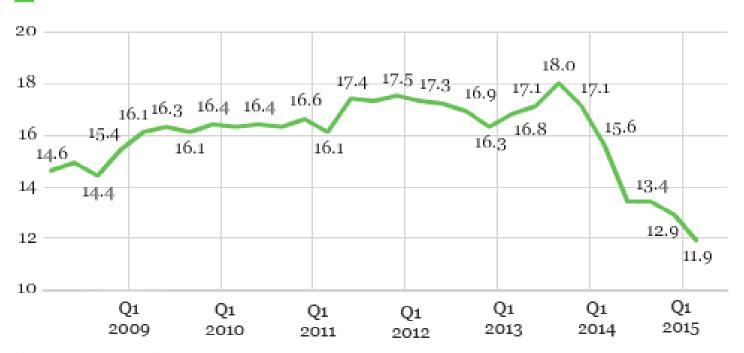
The Uninsured in the U.S.

Percentage Uninsured in the U.S., by Quarter

Do you have health insurance coverage? Among adults aged 18 and older





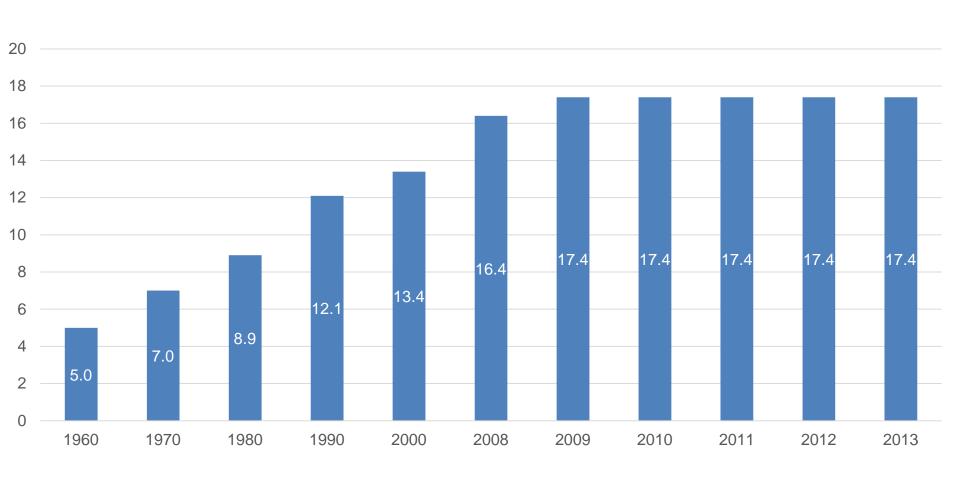


Quarter 1 2008-Quarter 1 2015 Gallup-Healthways Well-Being Index

GALLUP'



Health Spending as Share of GDP



Source: Health Affairs, January 2015

The Gross Domestic Product

National health spending and gross domestic product (GDP)*

	December 2012	December 2013	November 2014	December 2014
GDP	16.42	17.09	17.71	17.74
National Health Spending (HS)	2.86	2.99	3.14	3.15
HS Share of GDP	17.4%	17.5%	17.7%	17.8%
HS Share of PGDP	16.5%	16.7%	17.1%	17.2%
Growth from Prior 12 Months				
HS	3.3%	4.5%	5.2%	5.6%
GDP	4.3%	4.1%	3.4%	3.8%
HS Minus GDP	-1.0%	0.4%	1.8%	1.8%
HS Minus PGDP	-0.2%	1.2%	2.2%	2.9%

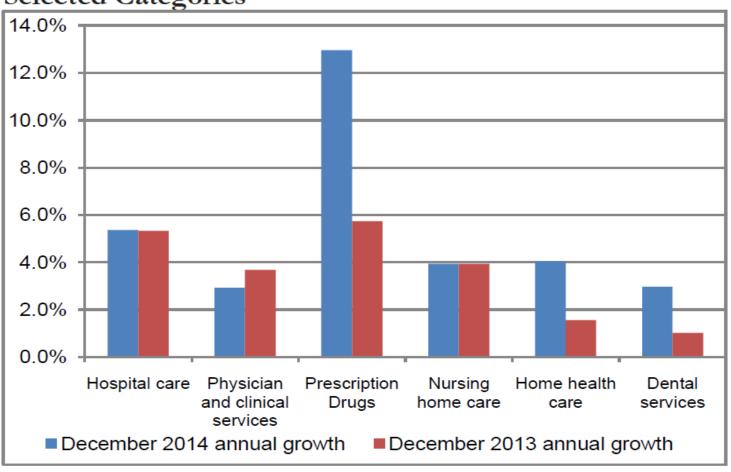
Source: Altarum monthly health spending estimates (see Methods on page 4); monthly GDP is from Macroeconomic Advisers and Altarum estimates; potential GDP (PGDP), defined as what GDP would be at full employment, is from the quarterly Congressional Budget Office estimates, converted to monthly by Altarum.

^{*}Spending is trillions of dollars, seasonally adjusted annual rate.



Spending on Medications

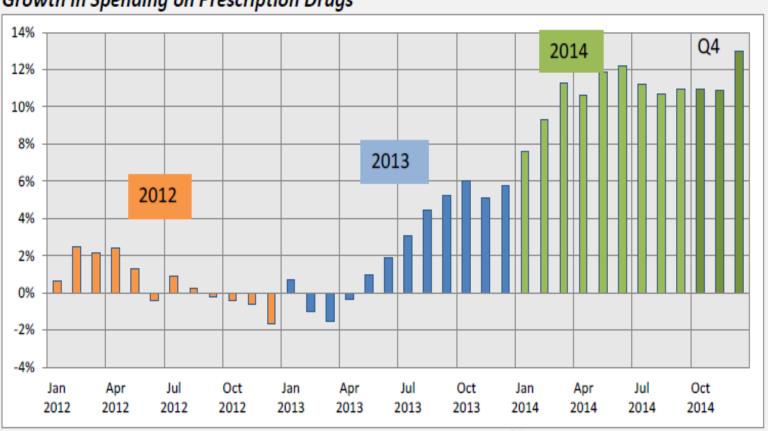
Exhibit 4. Health Spending Year-Over-Year Growth for Selected Categories



Source: Altarum monthly national health spending estimates

Specialty Drugs Spending

Growth in Spending on Prescription Drugs



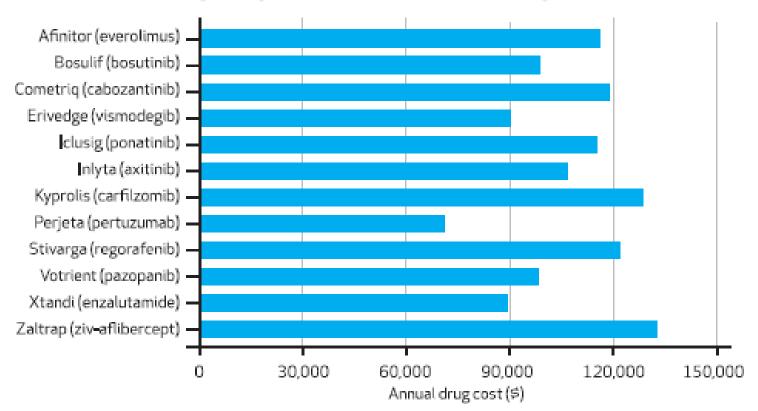
Source: Unpublished data from Altarum Health Sector Economic IndicatorsSM.



New Oncologic Agents

EXHIBIT 1

Annual Cost Of Oncologic Drugs Approved By The Food And Drug Administration In 2012



source Authors' analysis.

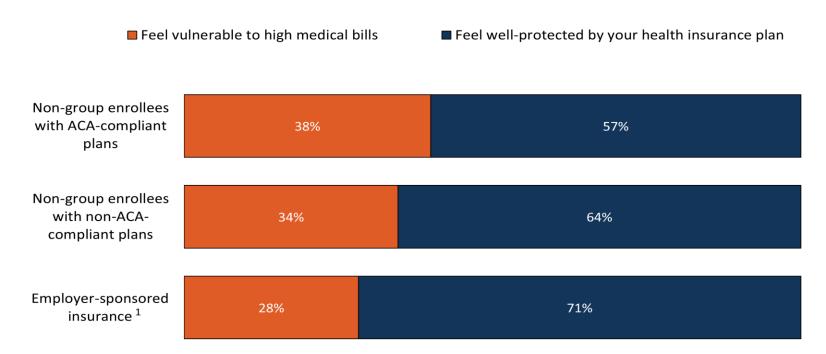
Hirsch, Balu, Schulman. Health Affairs, October 2014



People are Still Worried

Many Non-Group Enrollees Report Feeling Vulnerable To High Medical Bills

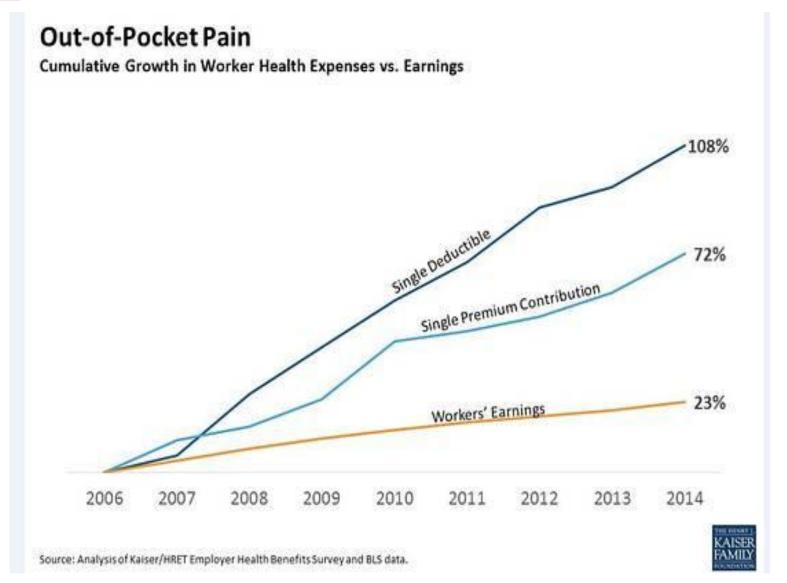
In general, do you feel well-protected by your health insurance plan, or do you feel vulnerable to high medical bills?







Earnings vs. Health Expenses



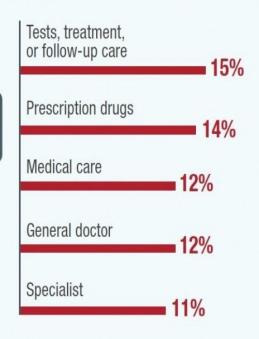


Parkland Coverage Doesn't Translate to Care

1 in 4 adults with non-group coverage went without some needed health care because they could not afford the cost.



Types of health care that adults with non-group coverage went without (by percent of adults)*



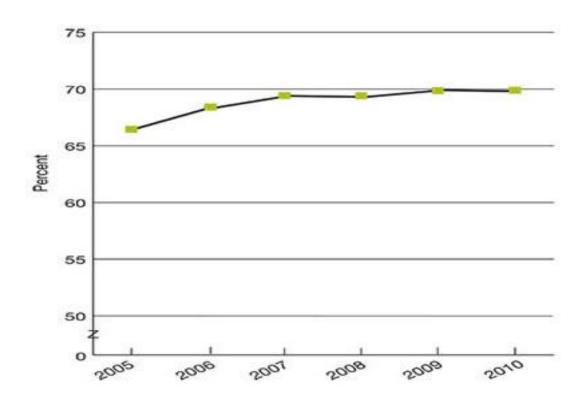
*Adults who bought non-group health insurance in 2014 and who were insured for the past 12 months.

Source: Urban Institute, 2014



Quality of Care is Improving... but not very fast

Average proportion of recommended care across a panel of quality care metrics 2006-2010



Source: AHRQ Quality Report, 2013

New Models of Care



CMS Innovations Portfolio: Testing New Models to Improve Quality

Accountable Care Organizations (ACOs)

- Medicare Shared Savings Program (Center for Medicare)
- Pioneer ACO Model
- Advance Payment ACO Model
- · Comprehensive ERSD Care Initiative

Primary Care Transformation

- Comprehensive Primary Care Initiative (CPC)
- Multi-Payer Advanced Primary Care Practice (MAPCP) Demonstration
- Federally Qualified Health Center (FQHC) Advanced Primary Care Practice Demonstration
- Independence at Home Demonstration
- Graduate Nurse Education Demonstration

Bundled Payment for Care Improvement

- Model 1: Retrospective Acute Care
- Model 2: Retrospective Acute Care Episode & Post Acute
- Model 3: Retrospective Post Acute Care
- Model 4: Prospective Acute Care

Capacity to Spread Innovation

- Partnership for Patients
- Community-Based Care Transitions
- Million Hearts

Health Care Innovation Awards

State Innovation Models Initiative

Initiatives Focused on the Medicaid Population

- Medicaid Emergency Psychiatric Demonstration
- Medicaid Incentives for Prevention of Chronic Diseases
- Strong Start Initiative

Medicare-Medicaid Enrollees

- Financial Alignment Initiative
- Initiative to Reduce Avoidable Hospitalizations of Nursing Facility Residents

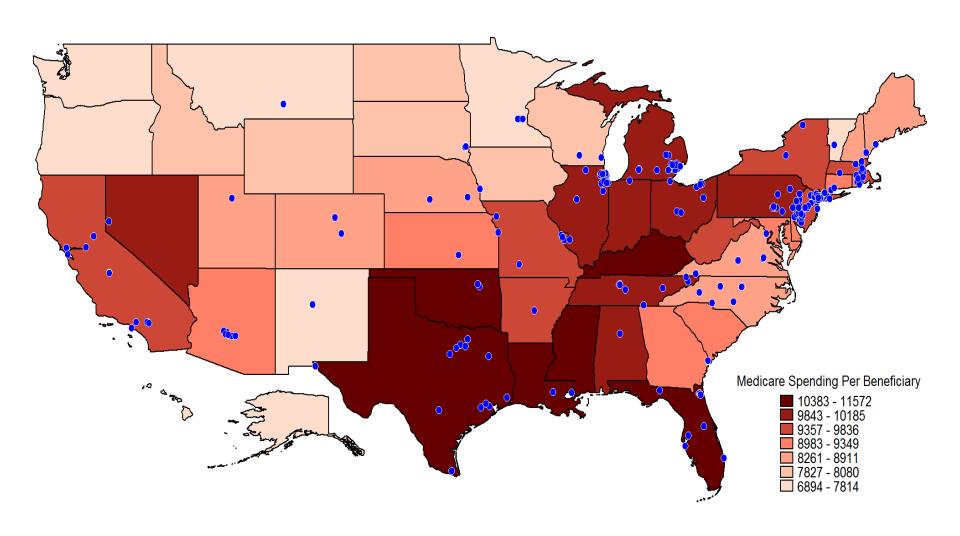


CMS Innovation Center

Four of the 26 Models Launched by the CMS Innovation Center.							
Model Name	Start Date	Description	Early Results				
Bundled Payments for Care Improvement	April 1, 2013	Composed of four broadly defined models of care, which link payments for multiple clinical services during an episode of care. Under the initiative, organizations enter into payment arrangements that include financial accountability for episodes of care.	Within orthopedic surgery episodes that include acute and post-acute care (Model 2), participating hospitals in the fourth quarter of 2013 had significantly lower episode payments for patients who used post-acute care services (\$3,724 savings on average for a 90-day episode).				
Comprehensive Primary Care Initiative	January 1, 2013	Multipayer model in seven U.S. regions to sup- port primary care practice transformation through enhanced, non-visit-based payments (care management fees and shared savings), data feedback, and learning systems.	In its first year, the model produced 2% gross savings (nearly enough to offset care management fees), including reductions in hospitalizations, emergency department visits, and 30-day readmissions.				
Pioneer Accountable Care Organization (ACO) Model	January 1, 2012	Designed to show how particular ACO payment arrangements can best improve care and generate savings for Medicare and to test alternative program designs to inform future policy for the Medicare Shared Savings Program.	In the model's first 2 years, actuarial sav- ings were \$184 million (according to the independent evaluation, \$385 million in risk-adjusted savings as compared with preceding and local market trends).				
Partnership for Patients	December 1, 2011	Engages leadership of more than 3700 acute care hospitals to align with the model goals of 40% reduction in all-cause preventable harm and 20% reduction in all-cause 30-day readmissions.	Through 2013, a total of 1.3 million harms were prevented and up to \$12 billion and an estimated 50,000 lives were saved, owing to model and other synergistic efforts.				



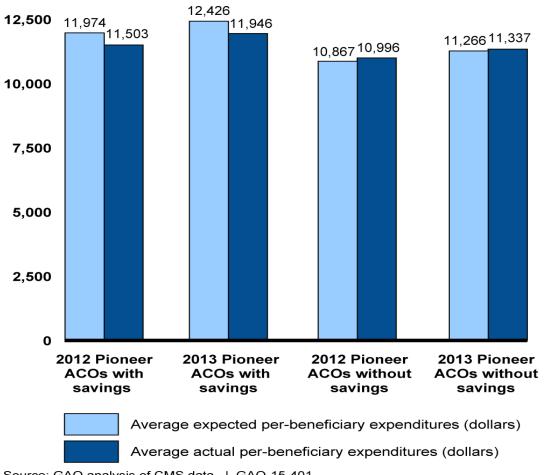
Medicare Spending per Beneficiary Overlaid with BPCI Phase II Participant Locations





ACO Expenditures

Expected and Actual Expenditures (per Beneficiary) for Pioneer Accountable Care Organizations (ACO) with and without Shared Savings, in First and **Second Years**



Source: GAO analysis of CMS data. | GAO-15-401



Pioneer ACOs: Spending Changes

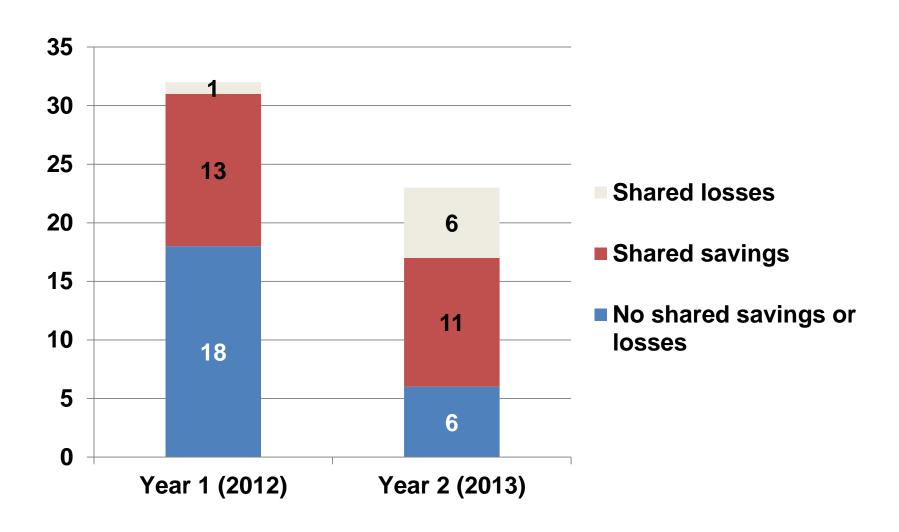
HHSM-500-2011-0009i/HHSM-500-T0002

Table 4: Count of Pioneer ACOs with Higher, Lower, and No Significant Spending Growth between 2011 and 2012 Relative to Local FFS Market, by Service Type (N = 32)

Service	Significantly Faster Growth	Significantly Slower Growth	No Significant Differences
Outpatient	4	15	13
SNF	9	3	20
Home Health	9	3	20
Inpatient	2	4	26
Physician	4	11	17
Hospice	7	7	18
Durable Medical Equipment	4	2	26

Source: Analysis of Medicare claims data from the Chronic Condition Warehouse Master Beneficiary Summary File

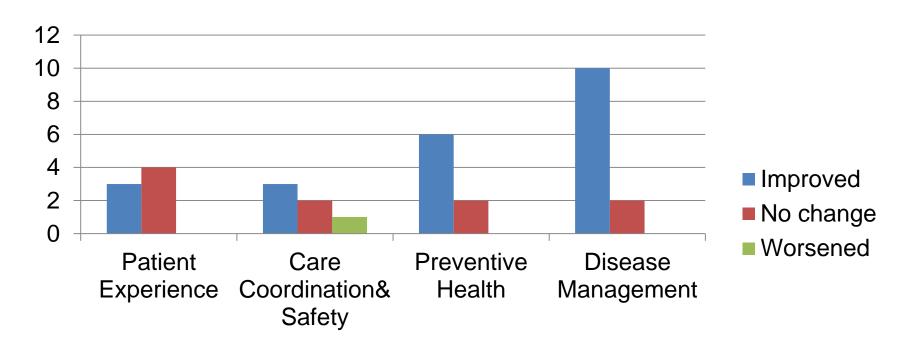
Pioneer ACO Savings and Losses: 2012 & 2013





Pioneer ACOs & Quality

Changes in Average Scores for Quality Measure Domains for 23 Pioneer ACOs that Participated in 2012 and 2013



Note: GAO-15-401-Pioneer ACO Model



CPC Outcomes

Table ES.2. Early CPC outcomes on Medicare FFS health care cost and service use show promise in first 12 months of CPC (October 2012–September 2013)

	All	AR	со	NJ	NY	OH/KY	ОК	OR
Medicare expenditures and service use								
Expenditures without fees	-2%**	0%	1%	-5%***	-2%	4%*	-7%***	-2%
Expenditures with fees	1%	3%*	4%	-3%	0%	6%***	-5%***	1%
Hospitalizations	-2%*	2%	3%	-5%*	-6%**	4%	-7%***	-5%
Outpatient ED visits	-3%***	-3%	-1%	-4%	2%	-1%	-7%***	-6%*

Note:

Negative, statistically significant estimates (in green) are favorable, implying reductions in service use and/or costs, while positive, statistically significant estimates (in red) are unfavorable, implying increases in service use and costs. Impact estimates are based on a difference-in-differences analysis that adjusts for baseline patient characteristics (including HCC scores) and baseline practice characteristics.

Table ES.3. Very few early changes in CPC outcomes on Medicare FFS claims-based quality of care in first 12 months of CPC (October 2012–September 2013)

All	AR	CO	NJ	NY	OH/KY	OK	OR
	•	•	•				
3%	12%	8%	4%	5%	4%	-21%***	11%*
40/	407	20/	20/	40/	40/	20/	20/
1%	4%	2%	2%	-1%	-1%	2%	-2%
0%	-4%	3%	0%	4%**	-2%	-2%	2%
40/	70/	40/	40/	60/	00/	E0/	20/
							3% 5%
		3% 12% 1% 4% 0% -4% 1% 7%	3% 12% 8% 1% 4% 2% 0% -4% 3% 1% 7% -4%	3% 12% 8% 4% 1% 4% 2% 2% 0% -4% 3% 0% 1% 7% -4% -1%	3% 12% 8% 4% 5% 1% 4% 2% 2% -1% 0% -4% 3% 0% 4%** 1% 7% -4% -1% -6%	3% 12% 8% 4% 5% 4% 1% 4% 2% 2% -1% -1% 0% -4% 3% 0% 4%*** -2% 1% 7% -4% -1% -6% 8%	3% 12% 8% 4% 5% 4% -21%*** 1% 4% 2% 2% -1% -1% 2% 0% -4% 3% 0% 4%** -2% -2% 1% 7% -4% -1% -6% 8% -5%

Note:

Positive, statistically significant, estimates (in green) are favorable, implying improvement in care quality, and negative, statistically significant estimates (in red) are unfavorable, implying a deterioration in care quality. Impact estimates are based on a difference-in-differences analysis that adjusts for baseline patient characteristics (including HCC scores) and baseline practice characteristics.

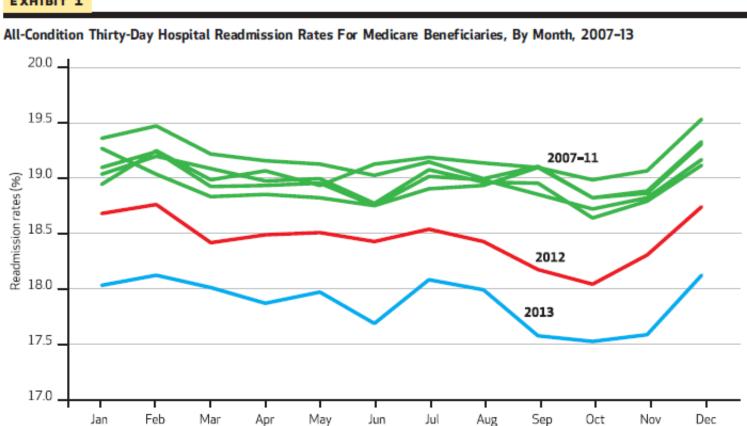
^{*/**/***}Statistically significant at the 10%/5%/1% level, two-tailed test.

^{*/**/}Statistically significant at the 10%/5%/1% level, two-tailed test.



Readmission Rates

EXHIBIT 1



SOURCE Authors' analysis of data from the Centers for Medicare and Medicaid Services.

Source: Brennan, Oelschlaeger, Cox, Tavenner. Health Affairs, July 2014.



Reaching Critical Mass?

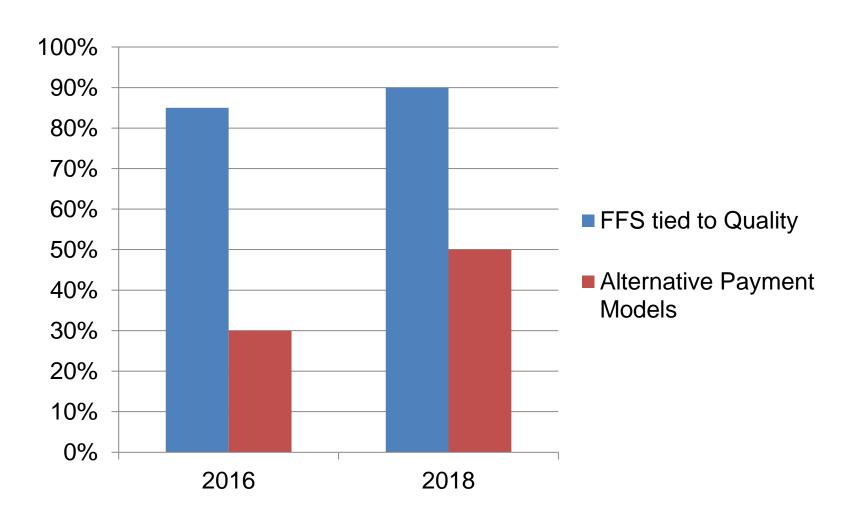
Scale not yet achieved

- Just over 300 Medicare Shared Savings Accountable Care Organizations, 23
 Pioneer ACOs; 287 Commercial and 34 Medicaid
- 7,000 NCQA recognized PCMHs (roughly 10%)
- Comprehensive Primary Care Initiative has 492 practices; 2,158 providers and 2.5 million patients
- Bundled Payments for Care Improvement focuses on 48 episodes of care
- 8 states in Multi-payer Advanced Primary Care Practice Demonstration

Payers are not yet ready to engage, enable, share data



Value-Based Payment Goals



Source: Burwell, NEJM, March 5, 2015



Value-Based Payment Strategies

Incentives

ACOs, advanced primary care medical homes, bundled payments, dual eligible demos, specialty care payment models, care coordination payments

Improve care delivery

Partnership for Patients, transitional care coordination to reduce readmissions, Transforming Clinical Practice Initiative, Medicaid Health Homes

Accelerate availability of information to guide decision making

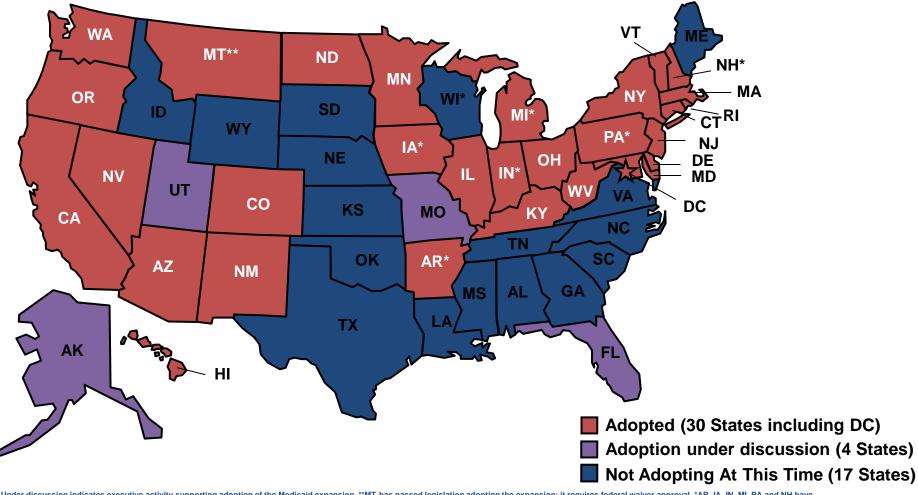
Meaningful use, Hospital Compare, PCORI

Source: Burwell, NEJM, March 5, 2015



Current State...

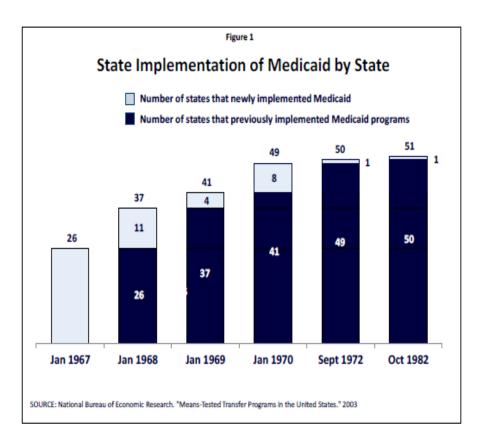
Current Status of State Medicaid Expansion Decisions

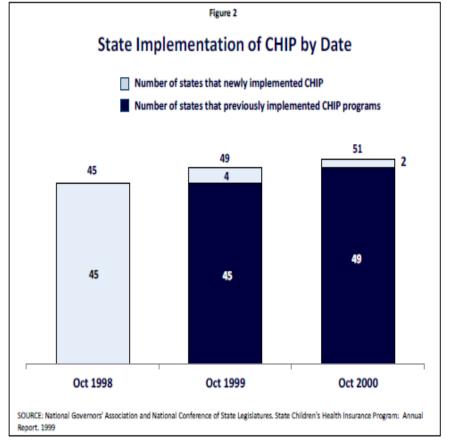


NOTES: Under discussion indicates executive activity supporting adoption of the Medicaid expansion. **MT has passed legislation adopting the expansion; it requires federal waiver approval. *AR, IA, IN, MI, PA and NH have approved Section 1115 waivers. Coverage under the PA waiver went into effect 1/1/15, but it is transitioning coverage to a state plan amendment. Coverage under the IN waiver went into effect 2/1/15. WI covers adults up to 100% FPL in Medicaid, but did not adopt the ACA expansion.



Past State Decisions on Implementation







Questions?

Telling Your Project's Story



Suzanne Smith, MBA Founder & Managing Director Social Impact Architects

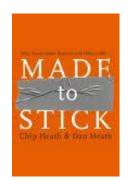


Telling Your Project's Story: Why it Matters

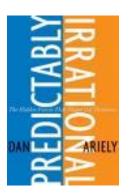
By: Suzanne Smith, Chief Storyteller Social Impact Architects suzanne@socialimpactarchitects.com

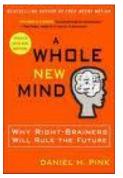


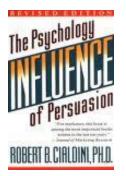


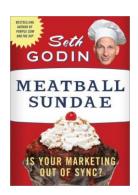








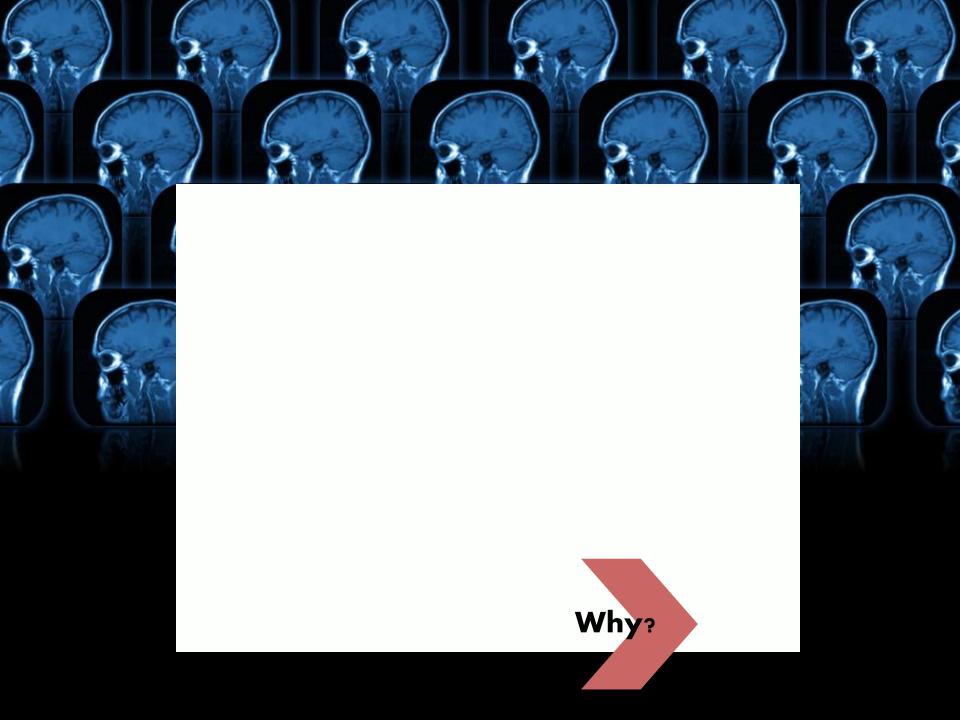


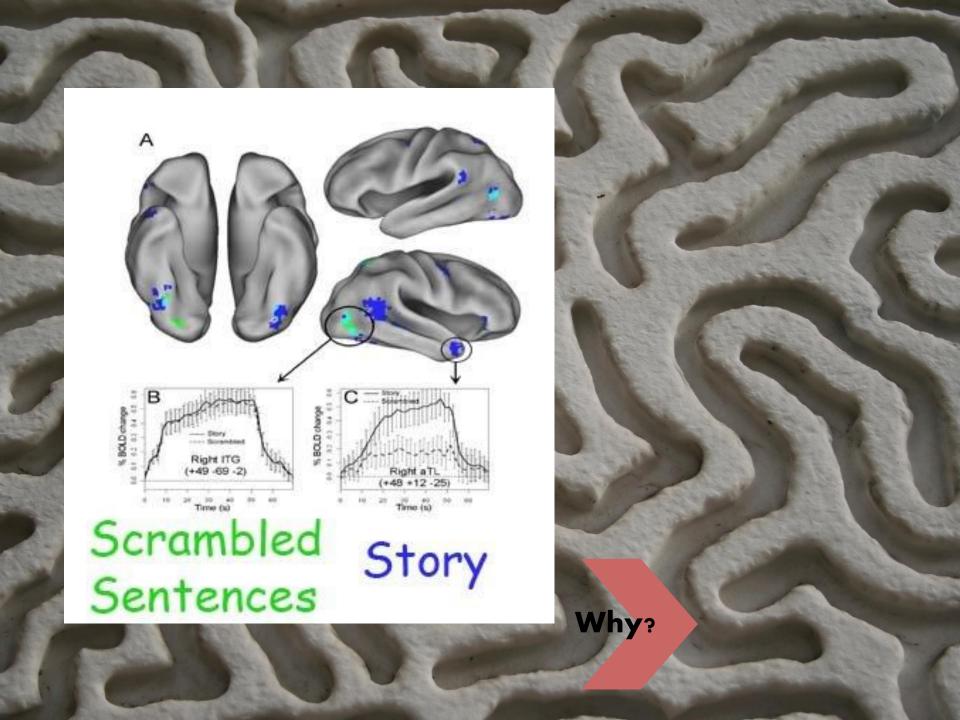






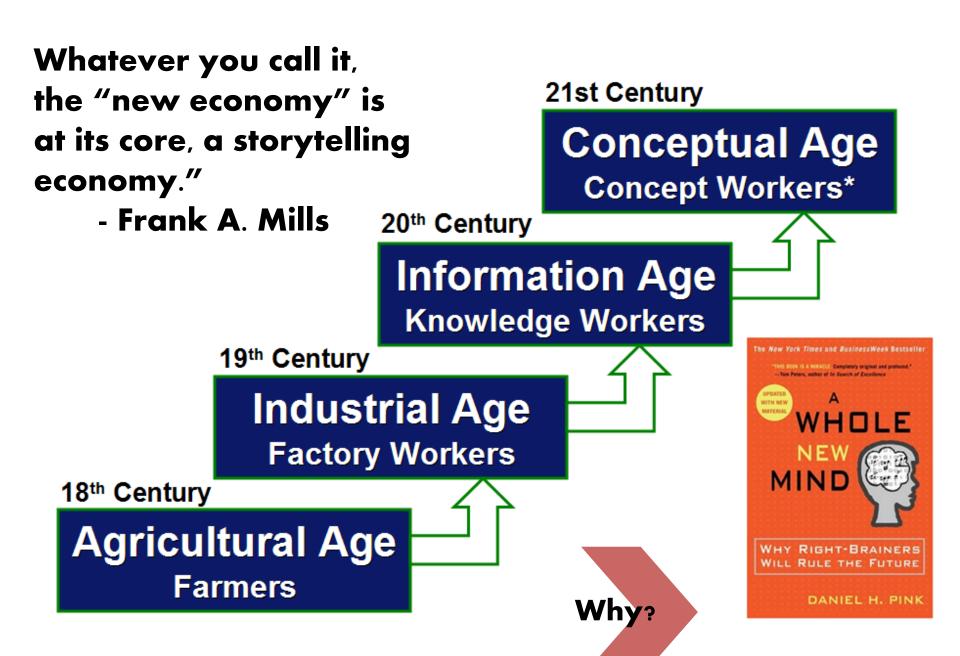








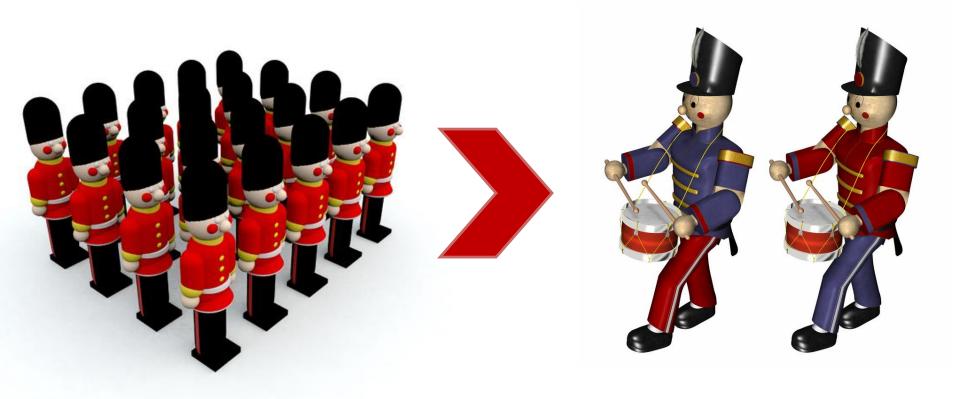








Those who tell the stories rule society. - Plato



You can't connect the dots looking forward; you can only connect them looking backwards.

-Steve Jobs

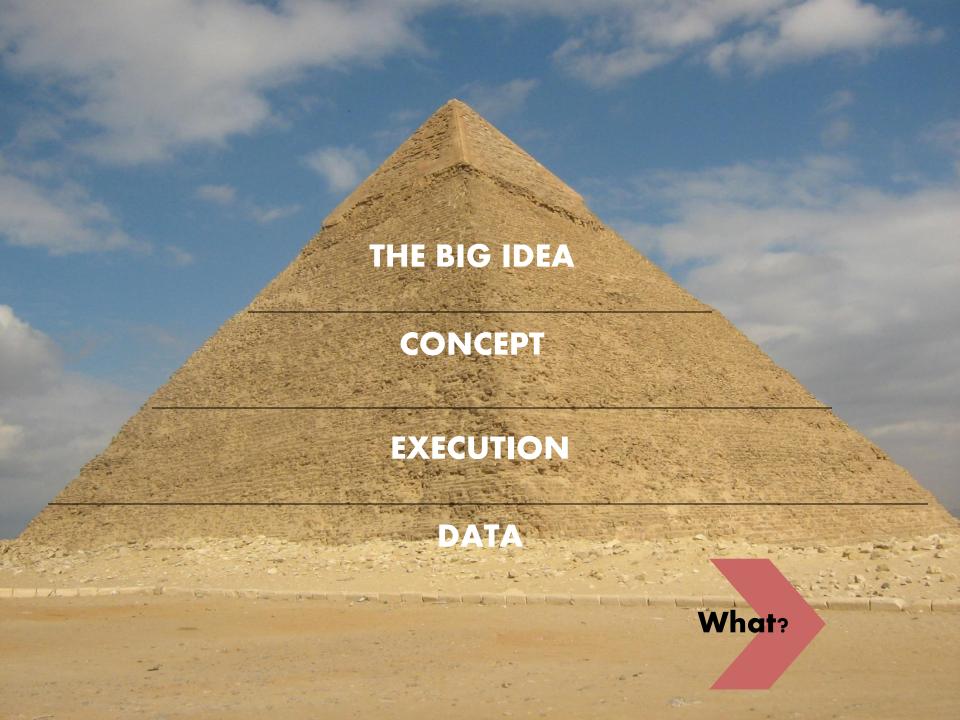
Why should I care?
Why should I care now?
What can I do?

How do you impact human life? To what end?

Who are you?



Texas Regional Health Partnership 7



THE BIG IDEA

CONCEPT

EXECUTION

DATA





Opening Scene

Antagonist Returns

All is Lost

Setting Up

Character Development

Ah Ha! Moment

Inciting Incident

Big Decision

Resolution

Childress Regional Medical Center

MADE to STICK SUCCESs Model

A sticky idea is understood, it's remembered, and it changes something. Sticky ideas of all kinds—ranging from the "kidney thieves" urban legend to JFK's "Man on the Moon" speech—have six traits in common. If you make use of these traits in your communication, you'll make your ideas stickier. (You don't need all 6 to have a sticky idea, but it's fair to say the more, the better!)

PRINCIPLE I



SIMPLE

Simplicity isn't about dumbing down, it's about prioritizing. (Southwest will be THE low-fare airline.) What's the core of your message? Can you communicate it with an analogy or high-concept pitch? PRINCIPLE 2



UNEXPECTED

To get attention, violate a schema. (The Nordie who ironed a shirt...) To hold attention, use curiosity gaps. (What are Saturn's rings made of?) Before your message can stick, your audience has to want it. PRINCIPLE 3



CONCRETE

To be concrete, use sensory language. (Think Aesop's fables.) Paint a mental picture. ("A man on the moon...") Remember the Velcro theory of memory—try to hook into multiple types of memory.

PRINCIPLE 4



CREDIBLE

Ideas can get credibility from outside (authorities or anti-authorities) or from within, using human-scale statistics or vivid details. Let people "try before they buy." (Where's the Beef?) PRINCIPLE 5



EMOTIONAL

People care about people, not numbers. (Remember Rokia.) Don't forget the WHFY (What's In It For You). But identity appeals can often trump self-interest. ("Don't Mess With Texas" spoke to Bubba's identity.) PRINCIPLE 6



STORIES

Stories drive action through simulation (what to do) and inspiration (the motivation to do it). Think Jared. Springboard stories (See Denning's World Bank tale) help people see how an existing problem might change.



S

www.MADE to STICK.com

Post-Test







@snstexas @socialtrendspot



SocialImpactArchitects



company/social-impact-architects in/suzannesmithtx





suzanne@socialimpactarchitects.com www.socialimpactarchitects.com

Suzanne Smith, MBA

Founder & Managing Director, Social Impact Architects

National Member

- Senior Policy Advisor, Social Enterprise Alliance
- Consultant Member, Society for Organizational Learning
- Research Fellow, Center for the Advancement of Social Entrepreneurship at Duke University (CASE)
- Alumni Council, Fuqua School of Business at Duke University

Local Leader

- Adjunct Professor University of North Texas
- **Dallas, Texas** South Dallas/Fair Park Trust, Mayor's Task Force on Poverty, Dallas Business Club, Entrepreneurs for North Texas, Leadership Dallas, Leadership North Texas & Junior League
- Cincinnati, Ohio Flywheel: Social Enterprise Hub

Awards & Honors

- Dallas Regional Chamber, Young ATHENA Award, 2014
- Huffington Post's Top 10 Social Sector Blog, 2014
- Dallas Business Journal's 40 Under 40 Award, 2012
- Next Generation Social Entrepreneurs Award, 2010



BREAK



VitalSigns⁶



Madhukar Trivedi, MD
Professor and Chief of the Division of Mood
Disorders, Department of Psychiatry
The University of Texas Southwestern Medical
Center



LUNCH

Return to Main Room



Integrated Behavioral Health from Concept to Reality



Alan L. Podawiltz, DO, MS, FAPA
Chair of Psychiatry University North Texas Health Science
Center Texas College of Osteopathic Medicine
Chair of Psychiatry JPS Health Network



Wayne Young
Senior Vice President, Operations & Administrator
JPS Health Network



Integrated Behavioral Health

JPS Health Network

Centered in Care Powered by Pride

Presenters

Alan Podawiltz, DO, MS, FAPA

- Chair of Psychiatry, University of North Texas Health Sciences Center
- Chair of Psychiatry, JPS Health Network

Wayne Young, M.Ed., MBA, LPC, FACHE

- Senior Vice President, Behavioral Health
- Administrator, Trinity Springs Pavilion



JPS Health Network

The \$950 million tax-supported healthcare system serving residents of Fort Worth and surrounding communities in Tarrant County, Texas.

John Peter Smith Hospital

- 537 acute-care beds
- Tarrant County's only Level I Trauma Center
- 110,000+ emergency room visits annually







30 primary care and specialty clinics



20 school-based health centers



1.1 million patient encounters annually



Nine residency programs, including the nation's largest hospital-based family medicine residency



JPS Behavioral Health

JPS Health Network has a robust Behavioral Health Service Line



19,000+ emergency visits 30,000+ outpatient visits 30,000+ inpatient days



Trinity Springs Pavilion



96 bed Psychiatric Hospital



Psychiatric Emergency Center



Integrated Medical Unit



6 behavioral health clinics



Walk-In BH Clinic



1 BH School-Based Health Center



4 Partial Hospitalization Programs



Day Rehab For Homeless



Virtual Psychiatric Guidance



6 PC Clinics with Embedded BH Specialists



8 Peer Support Specialists



Psychiatry residency



JPS Health Network Locations



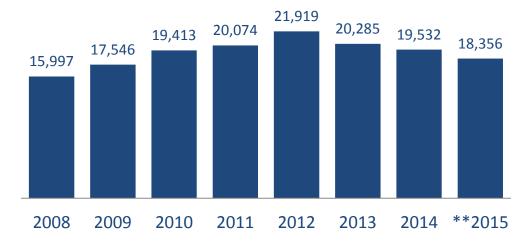
Psychiatric Emergency Center



Emergency Psychiatric Services:

- 24 hours a day, seven days a week
- Psychiatrist on-site at all times
- Voluntary and involuntary patients
- Psychiatric evaluation
- Short-term interventions including observation, stabilization, and monitoring
- Admission to JPS inpatient services
- Referral services

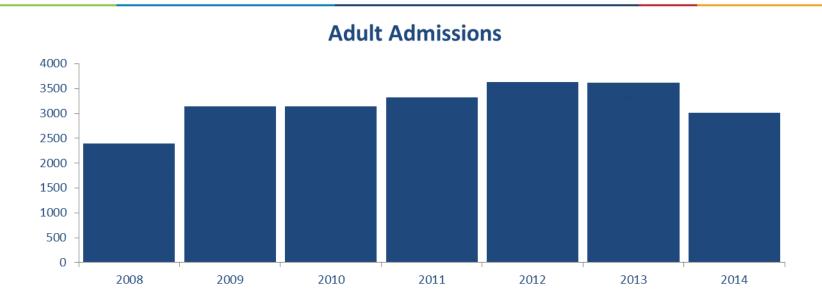
Psychiatric Emergency Center Triages





Adult Inpatient Services



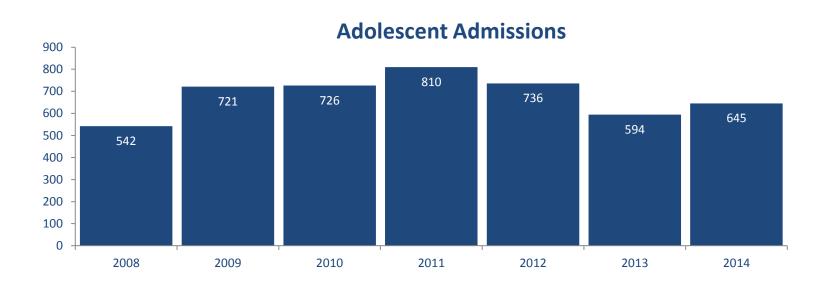


Crisis intervention and individualized, structured treatment are provided to patients in need of an intensive and safe setting.

Two units totaling 60 acute adult beds.

Adolescent Inpatient Services





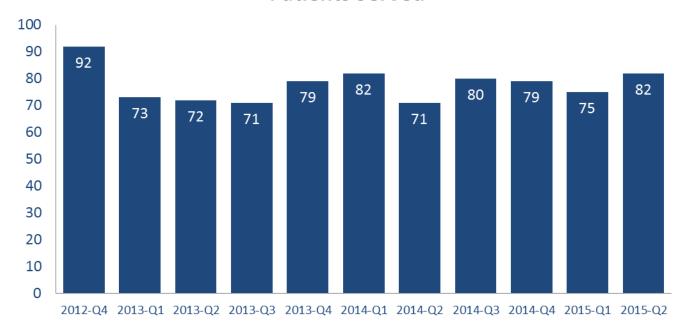
The Adolescent Inpatient Unit is a 16 bed acute care unit.

Local Commitment Alternative



JPS opened 20 beds under contract with MHMR/DSHS for to offset the reduction in NTSH beds available in Tarrant County.

Patients Served



Peer Support Specialists



Peer Support Specialists are increasingly involved in our system. We hired two as a pilot effort 18 months ago and today we have 8 with a 9th position posted for a "Family Partner"

- Psychiatric Emergency Center
- Trinity Springs Adult Inpatient
- Psychiatric Day Rehab
- Central BH Assessment Center

Patient and Family Advisory Council

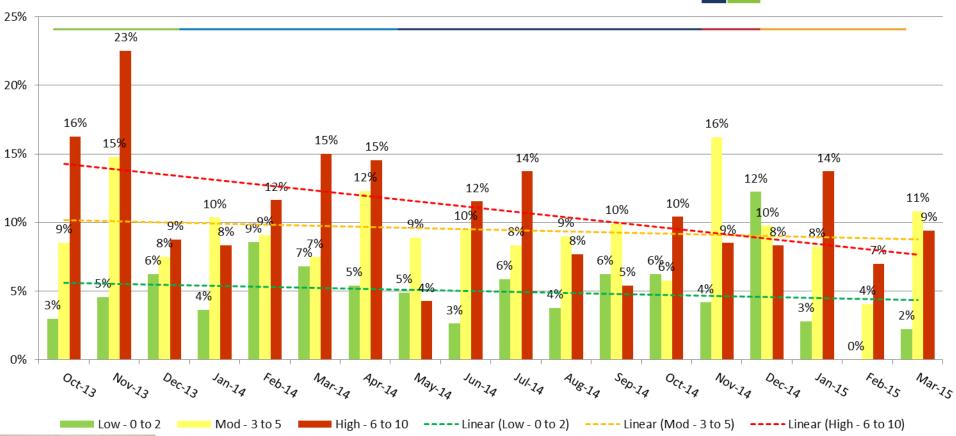


The JPS Patient and Family Advisory Council is a group of 12-14 people who express interest in helping JPS improve our services.

- Dedicated to Behavioral Health Services
- Includes patients and family members of those who received or have received behavioral health services at JPS
- Assist with identifying priority areas for us to address
- Partner in Performance Improvement Projects
- Assist in setting policy and giving input into the impact current policies have on patients and families.

Discharge Management Program









We started a risk stratified readmission assessment tool to inform our discharge management program which connects with people after they leave the hospital to promote continued recovery.

Mental Health Court





Mental Health Court is held in TSP twice weekly.

MHMR staff serve as court liaisons between TSP, MHMR, and North Texas State Hospital

98% of those who go to NTSH from Tarrant County depart from Trinity Springs Pavilion

Behavioral Health Outpatient Services



	Partial Hospitalization	Med Mgmt	Assessment	Psychological Testing	Psychology	Counseling	Vocational Rehab
Central Arlington	YES	YES	YES	-	-	YES	-
Northeast	-	YES	YES	-	1	YES	-
Stop Six	-	YES	YES	-	1	YES	-
Viola Pitts	YES	YES	YES	-	YES	-	-
Northeast SBC	-	YES	YES	-	1	YES	-
Central Center	YES	YES	YES	YES	YES	YES	-
HEB BH Clinic	YES	YES	-	-	-	-	-
Psych Day Rehab	"YES"	YES	YES	-	-	YES	YES
Healing Wings	-	1	YES	YES	YES	YES	-
SE Tarrant Co MH	-	YES	-	YES	1	YES	-

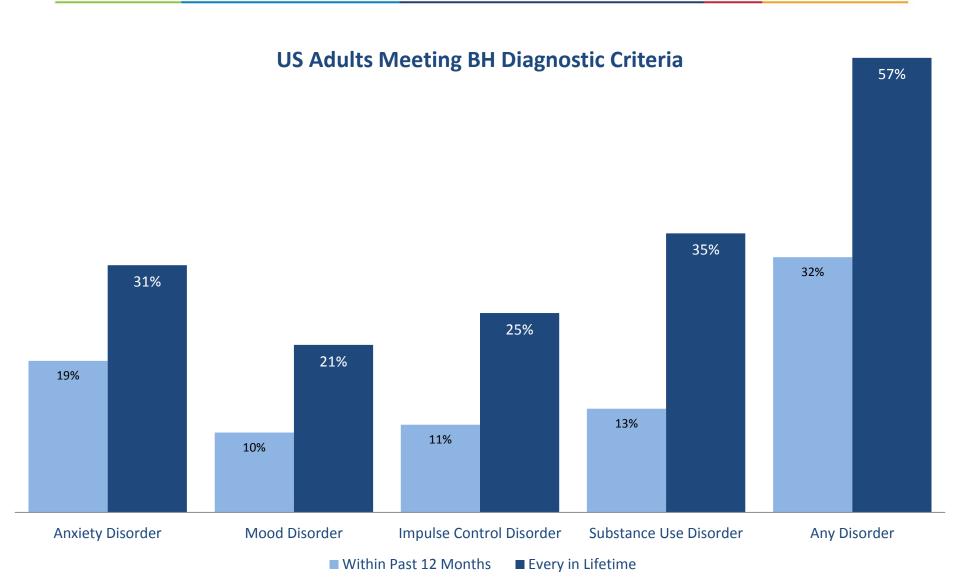
Most JPS outpatient behavioral health services are integrated into strategically located JPS Health Centers.

	Outpatient Visits
2013	17,875
2014	32,980
*2015	40,334

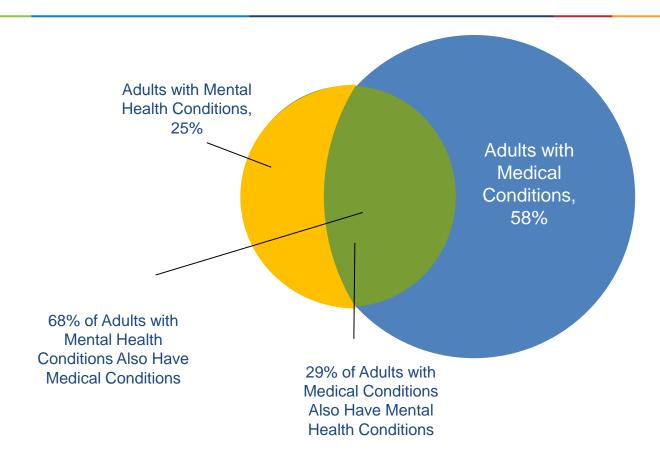
*Projected

- Does not include Virtual Guidance Patients



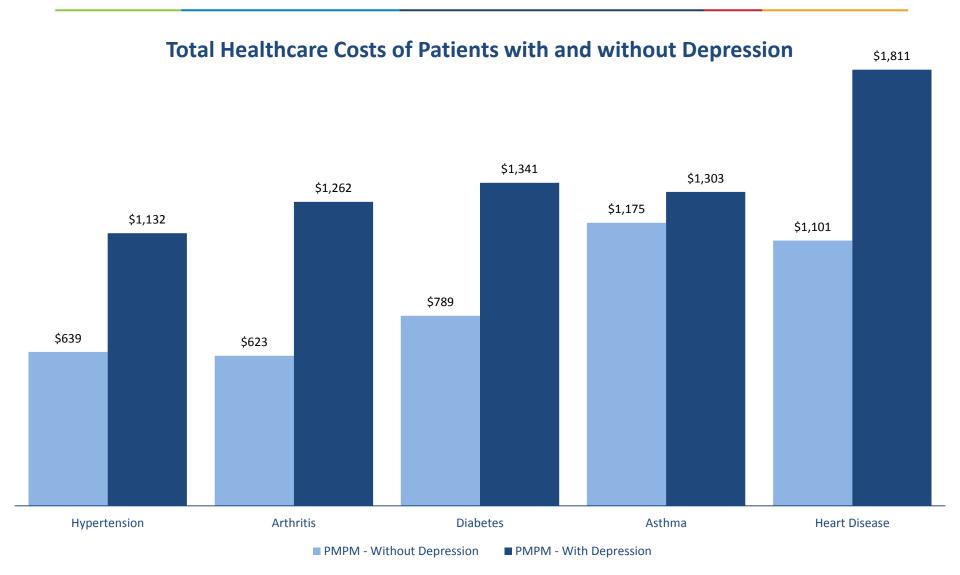






Source: Druss, B.G., and Walker, E.R. (February 2011). *Mental Disorders and Medical Comorbidity*. Research Synthesis Report No. 21. Princeton, NJ: The Robert Wood Johnson Foundation.





Melek, S. P. (2012). Bending the Medicaid healthcare cost curve through financially sustainable medical-behavioral integration. Milliman Research Report.



	Me			
Year	All Clients Who Died During Year	Male Clients Who Died During Year	Female Clients Who Died During Year	Mean Years of Life Lost Per Client
1997	55.0	52.4	58.1	28.5
1998	55.0	53.3	56.6	28.8
1999	54.0	50.8	57.3	29.3

This and next slide reference: Colton CW, Manderscheid RW. Congruencies in increased mortality rates, years of potential life lost, and causes of death among public mental health clients in eight states. Prev Chronic Dis [serial online] 2006 Apr [date cited]. Available from: URL: http://www.cdc.gov/pcd/issues/2006/apr/05_0180.htm.



care system."

Source: SAMHSA: A standard framework for levels of integrated healthcare

Source: SAMHSA: A standard framework for levels of integrated healthcare						
MINIMAL COLLABORATION FROM A DISTANCE		BASIC COLLABORATION ONSITE	CLOSE COLLABORATION/ PARTLY COLLABORATED	FULLY INTEGRATED		
 Separate systems Separate facilities Communication is rare Little appreciation of each other's culture 	 Separate systems Separate facilities Periodic focused communication; most written View each other as outside resources Little understanding of each other's culture of sharing of influence 	 Separate systems Same facilities Regular communication, occasionally face-to- face Some appreciation of each other's role and general sense of large picture Mental health usually has more influence 	 Some shared systems Same facilities Face-to-face consultation; coordinated treatment plans Basic appreciation of each other's role and cultures Collaborative routines difficult; time and operation barriers Influence sharing 	 Shared systems and facilities in seamless bio-psychosocial web Consumers and providers have same expectations of system In-depth appreciation of roles and culture Collaborative routines are regular and smooth Conscious influence sharing based on situation and expertise 		
"Nobody knows my name. "I help your consumers." Who are you?"		of consumers." how to be		"Together, we teach others how to be a team in care of consumers and design a		

Behavioral Health DSRIP at JPS





Discharge Management Program



Partial Hospitalization Program



Extended Clinic Hours



Integrated Care



Virtual Psychiatric and Clinical Guidance



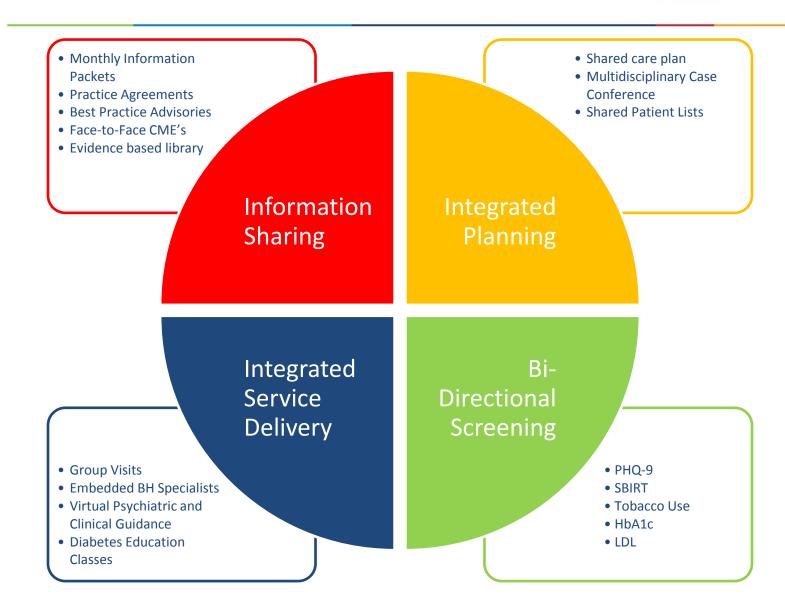
Central Assessment and Referral Center



Psych Day Rehab for Homeless

JPS Behavioral Health Integration Model



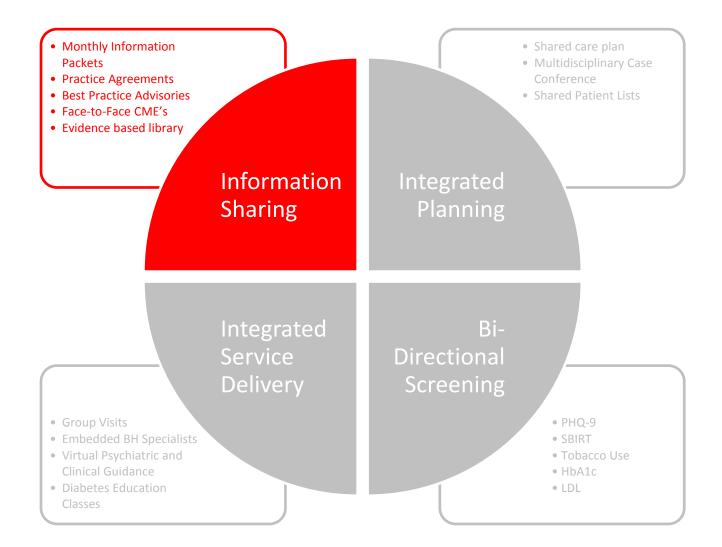


Physician Engagement and Barriers



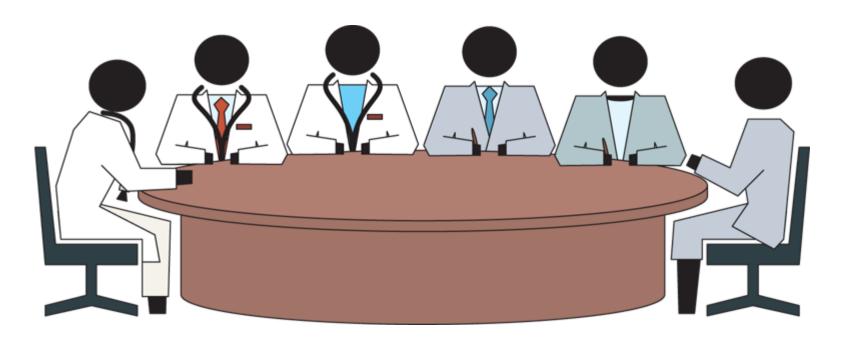
- Perception of Time
- Understanding the purpose of integration and its value
- Organizational culture and sensitivity
- Practice agreements and standardization of care





- Practice Agreements







- Documented in written agreement
- Approved by Med Executive Committee



- Practice Agreements



Core Elements of our Practice Agreements

- Statement of Purpose
- Roles and Responsibilities
- Screening Process
- Referral Protocols
- Communication Standards
- Patient Interventions and Transitions
- Strategies for Patients in Crisis



- Practice Agreements (1 of 3)



Clinical Practice Agreement

Coordination of Services between Behavioral Health and Primary Care in the Outpatient Setting

The goal of this agreement is to enhance the coordination of patient care services between Primary Care and Behavioral Health. This agreement will help ensure appropriate levels of care for the patient. The overall goal of specialty behavioral health services is to help the patient attain the highest level of independent function. To this end, these services and interventions will, for the most part, be targeted and time limited to maximize patient stability. The intent is to return the patient to on-going treatment in the medical home once appropriate.

Virtual Behavioral Health Consultation

If the Primary Care Provider desires a Behavioral Health consult, the Virtual Behavioral Health Clinical Guidance Service is available to outpatient Primary Care Providers on a 24/7 basis. The clinical guidance team will offer the first line of assistance to Primary Care Providers with patients that present signs and symptoms of mental illness. The team will have the ability to assist in directing referrals for Behavioral Health to appropriate areas and will provide support to Primary Care Providers with resources and guidance to adequately treat patients who present with behavioral health conditions. This support will include:

- Information and referral assistance
- General information about various mental illnesses and tools to assist with determining an appropriate diagnosis
- An evidence based resource with literature and evidence based practices from multiple sources on behavioral health disorders and topics to be available to medical
 professionals including guidelines for psychotropic medication indications, diagnosis and symptomology, psychotropic medication administration and monitoring, and
 appropriate screening, prevention, and interventions in community settings.
- Webinar types of education and training for primary care providers focused on improved identification, diagnosis, and treatment of common behavioral health conditions
- Virtual behavioral health guidance consisting of an interdisciplinary consultative team comprised by a psychiatrist, a master's level psychiatric social worker and a
 psychiatric nurse who will ensure virtual psychiatric guidance services are available within 30 minutes on a 24-hour basis to primary care providers.

Standardized Screening

Behavioral Health will provide Primary Care with standardized screening tools to assist with diagnosing individuals with behavioral health issues as well as early detection and intervention. A standardized treatment protocol will be provided to Primary Care providers to begin first line treatment to uncomplicated or mild psychiatric illnesses. The tools used can also help guide physicians to the next level in the referral process.



- Practice Agreements (2 of 3)



Clinical Practice Agreement (Cont.)

Embedded Behavioral Health Specialists

Behavioral health will provide primary care with a behavioral health specialist at each of the integrated sites where behavioral health services are currently located. The general behavioral health specialist is typically a social worker or a psychiatric nurse. They will be located within the primary care setting and function as part of the primary care team as well as the behavioral health team. The specialist's role is to provide support and assistance to both PCPs and their patients without engaging in any form of extended specialty behavioral health care. The role of the behavioral health specialist is to coordinate care and communication between behavioral health and primary care. Their responsibilities are as follows:

- · Integrate treatment plan to include behavioral health goals and education for patients with behavioral health issues.
- Follow up with providers and patients being referred to behavioral health and being referred back into primary care.
- · Provide immediate access to a behavioral health provider by delivering behavioral health services and interventions in the primary care setting on a stat basis
- Provide brief, solution focused counseling services in primary care settings as needed.
- Manage the referral process and case load balance between primary care referrals and stable BH patients transitioning back to primary care providers
- Initiate treatment planning related to behavioral health issues for patients psychiatric illness.

Referrals to Behavioral Health

The following unstable conditions of patients would be appropriate for primary care providers to request consultation and/or refer to behavioral health providers:

- Schizophrenia
- Bipolar spectrum disorders
- · Major Depressive disorder with psychosis
- Treatment resistant depression as defined by failure of at least one antidepressant trial at appropriate dosage for 6-8 weeks.
- Newly diagnosed or untreated/unremitting Post Traumatic Stress Disorder
- Borderline Personality Disorder with self-injurious behavior
- Suicidal or homicidal patients (w/o intent or plan)
- Psychiatric Evaluation for ADD/ADHD and medication recommendations
- Any patient insisting upon seeing a mental health professional
- Need for consultation to support on-going medical counseling and or behavior management in the primary care setting
- Patient experiencing significant acute physical and/or emotional distress as a result of life events (e.g. death, divorce, etc.) and the patient's usual coping skills and resources are overwhelmed
- Patients with primary medical conditions with evidence or diagnosis of comorbid psychiatric illness.
- Psychotherapy, requested by the physician and/or the patient, to address specific emotional/behavioral problems and needs

Other psychiatric conditions not listed above may be referred at the primary care provider's discretion. Uncomplicated depressive or anxiety disorders should initially be treated by the primary care provider with an adequate (6-8 weeks at an adequate dose) trial of a selective serotonin reuptake inhibitor or other appropriate medication of the vider's choice. Patients referred for depression should be seen by their primary care provider at the recommended intervals until their first behavioral health

- Practice Agreements (3 of 3)



Clinical Practice Agreement (Cont.)

In response to a physician referral or a patient initiated request for services the patient will be evaluated by licensed clinician member of Behavioral Health Team. This will include initial telephone screening, triage and referral as well as face-to-face evaluation as indicated. Recommendations for specialty mental health services will be made based upon established medical necessity criteria and then prioritized based on availability and need.

Emergent Situations

Emergency situations in which the patient presents in a crisis as a danger to self or others with a plan or intention to act should be taken seriously. The patient should not be left alone and staff should contact 911 to ensure the patient is evaluated for safety. NOTE: an emergency in the outpatient setting should never rely on consultative process.

Case Review/Conference Consults

Behavioral health outpatient consult services will be available for difficult case review and/or integrated service case conferencing on as needed basis. The intent of this service is to increase effective communication and hand off for cases shared between behavioral health and primary care as well as to provide case review for challenging patient issues related to behavioral health. Patients who may not be appropriate for outpatient behavioral health consultation include:

- Patient needing emergent care (e.g., suicidal or homicidal ideations)
- · Patients on pain medications without comorbid psychiatric illness
- Patients with a primary diagnosis of substance dependence for the purpose of detoxification, substance abuse rehabilitation, or withdrawal management.
- Patients stable on benzodiazepines for sedative or hypnotic benefits
- Patients stable on antidepressant medication for depression or anxiety disorders
- Patients with uncomplicated depression prior to at least one (1) antidepressant trial for a 6-8 week period at an appropriate dosage.
- · Patients with only a positive depression screen without further evaluation by the primary care provider establishing a diagnosis of depression
- · Vascular Cognitive Disorders

Informing Patients of Need for Consult

Patients referred to behavioral health services need to be informed of the need for specialty consultation by the Primary Care Provider. The patient's agreement with the consultation is essential for successful patient engagement in their health care plan.

Return of Patients to Primary Care

Once a patient is determined to be stable on commonly prescribed psychiatric medications without need for other behavioral health interventions, the patient will be referred back to a primary care provider for continued medication management. A stable psychiatric patient is defined as one of the following:

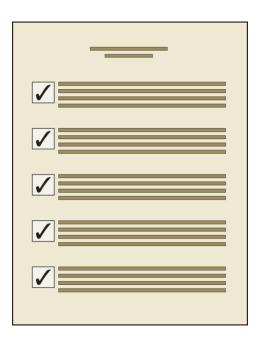
- · A patient on no more than two psychotropic medications
- A patient who has had no change in medication during the past six months
- Able to self- manage mental health treatment needs without requiring on-going multidisciplinary/team-based mental health services
- A Patient that meets criteria within Quadrant I and Quadrant III of the Four Quadrant Model.

Behavioral health providers, with concurrence from the patient, will contact the primary care provider to discuss the transfer of care and follow-up recommendation for a long and monitoring. Behavioral health will retain responsibility for care of patients with unstable psychiatric conditions.

agreement regarding the coordination of care between primary care and behavioral health was implemented on ______

- Monthly Information Packets





October 2013

November 2013

December 2013

January 2014

February 2014

March 2014

April 2014

May 2014

June 2014

July 2014

August 2014

September 2014

October 2014

November 2014

December 2014

January 2015

February 2015

March 2015

- Depression

- Anxiety

- Insomnia

- Bipolar

- Schizophrenia

- PTSD

- Integrated Healthcare

- Psych Meds and Pregnancy

- Metabolic Side Effects from Antipsychotics

- Domestic Violence

- Substance Abuse

- Antidepressant-Anticonvulsants for Chronic Pain

- Prescribing and Tapering Benzodiazepines

- Importance of Integrated Healthcare

- Insomnia & Sleep Hygiene

- Eating Disorders

- E-Consults

- Depression



- Best Practice Advisory





Staff trained on screening tool



Automated alert in EMR prompts providers to document follow-up plan for scores > 9

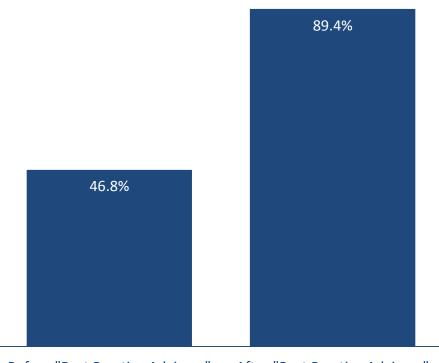


Results monitored



Physician Documentation of Follow-Up Plan

Among individuals with PHQ-9 score >9



Before "Best Practice Advisory"

© 2015 Epic

Corporation.

permission.

Systems

Used with

- Best Practice Advisory



Patient record in EMR prompts depression screening with PHQ-9. After all questions are answered, a total score will populate and assign a severity risk. would be better off
dead or hurting
yourself in some
way?

Total:

9

Wininai 1-4

Mininai 1-4

Moderate 10-14

Moderately Severe 15-18

Severe 20-27

Total Score

If the score is >9, the screening creates a "Best Practice Advisory."



If the provider chooses to take action and evaluate further, a smart order set automatically populates (e.g., referrals, medications, follow-up).

Orders

☐ Ambulatory referral to Behavioral Health
☐ SERTRALINE 25 MG TABLET
☐ CITALOPRAM 10 MG TABLET
☐ BUPROPION HCL 75 MG TABLET
☐ FLUOXETINE 10 MG CAPSULE

4 "Best Practice Advisory" additionally presents recommended intervention based on PHQ-9 Score.



Epic Tool: PHQ-2/PHQ-9



5 The system will remind staff/providers to screen for depression using the PHQ-9 if the patient has not been screened within the past 12 months.

✓ Depression Screening assessed at least once within the measurement period
*PHO-2 or PHO-9 has not been completed in the current calendar year
*PHO-2 or PHO-9 has been completed in the current calendar year

- Face-to-Face CME's





Two presentations each year focusing on common behavioral health issues found in Primary Care. Both are done in person and streamed on the internet

- Management of Anxiety in Primary Care
- Management of Depression in Primary Care
- Benzodiazepine Prescribing and Tapering Guidelines in Primary Care



These are also made available on our Virtual Guidance Provider Resource Page



- Evidenced Based Library







for Patients

for Medical Professionals

Health Care Services

about JPS

JPS Research Day 2015

Academic Affairs

Alumni Connection

Provider Opportunities

Residency Programs

Virtual Behavioral Health Clinical Guidance

Request Virtual Guidance

Community Resources

Monthly E-Resource

Our Team

Research Library

Webinars & Presentations







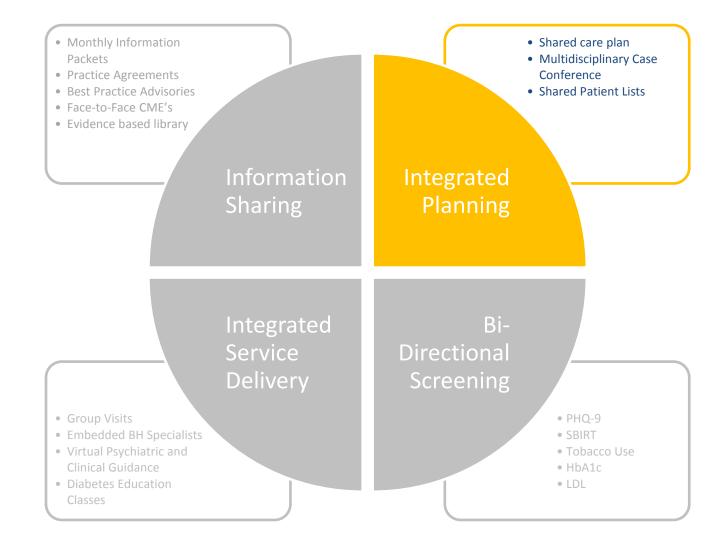
- Evidenced Based Library



for Patients	for Medical Profession	nals Health	Care Services	about JPS
PS Research Day 2015	Research Librar	ту		Related Info Links
Academic Affairs Alumni Connection Provider Opportunities Residency Programs Virtual Behavioral Health Clinical Guidance Request Virtual Guidance Community Resources Monthly E-Resource Our Team Research Library	 Anxiety Disorders Best Practice Guidelines for Behavioral Health Bipolar Disorder Depression Insomnia Personality Disorders Schizophrenia Substance Abuse Virtual Website Links 			Request Virtual Guidance Monthly E-Resource Research Library Community Resources Webinars & Presentations Our Team
Webinars & Presentations	Anxiety Disorders			
	Screening Tools	Treatment Guidelines	Patient Resources	
	Generalized Anxiety Disorder Screening Scale (.pdf)	Clinical Guidelines for the Management of Anxiety (.pdf)	Anxiety Patient Instructions (Adult)	
	GAD-7 Anxiety Scale (.pdf)	Management of Anxiety in Adults (NHS) (.pdf)	Anxiety Patient	
		Drug Treatment Guidelines for Anxiety Disorders (.pdf)	Instructions (Child) (.pdf) Relaxation (.pdf)	
			Unhelpful Thinking	
		Management of Generalized Anxiety Disorder (.pdf)	Styles (.pdf)	







- Shared Care Plans



Our system is transitioning to shared care plans as a way to improve coordination and integration of care

- Work in progress
- Broader than Behavioral Health and Primary Care
- Allows all specialties and primary care to see, edit and document problems, goals, interventions, and outcomes.
- Seen in the same format from the same screen for all disciplines involved.



- Shared Patient Lists



Our Shared Patient Lists were created to identify patients shared between a behavioral health provider and primary care provider at the same location

• Identifies key metrics:

```
BP
HbA1c
PHQ-9
Diagnoses
Medications
# of ED Visits in past 6 months
# of Hospitalizations in past 6 months
```

- Embedded Specialists summarize key points from previous visits and reports to providers.
- Drives recommendations for transitioning level of specialty involvement and care



- Multi-Disciplinary Case Conference



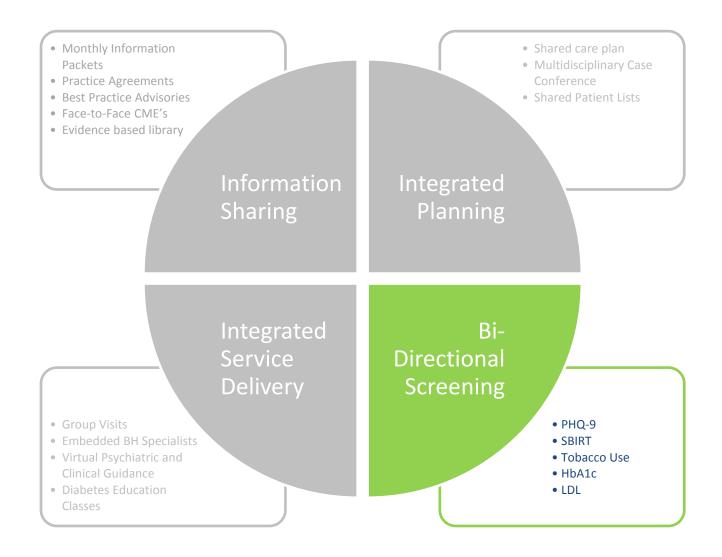


Multidisciplinary Case Conference occur at the request of the patient and/or the providers.

These typically involve the most complex patients.







- PHQ-9





Standardize screening administration and follow-up processes across primary care practices



Train staff on how to use screening and how to escalate



Work with IT to develop MER reporting specs and create reports



Automate alerts in EMR prompting providers to screen patients at routine intervals



Include recommended guidelines in EMR for provider action



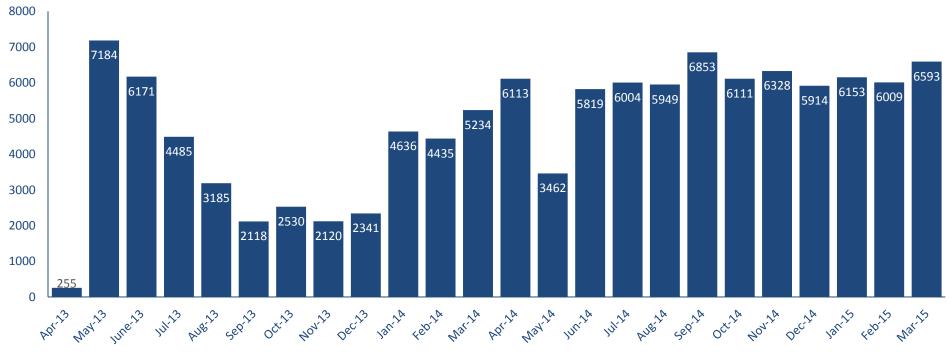
Monitory and share results to inform quality improvement



Bi-Directional Screening - PHQ-9



Patients Screened for Depression in Primary Care





- PHQ-9



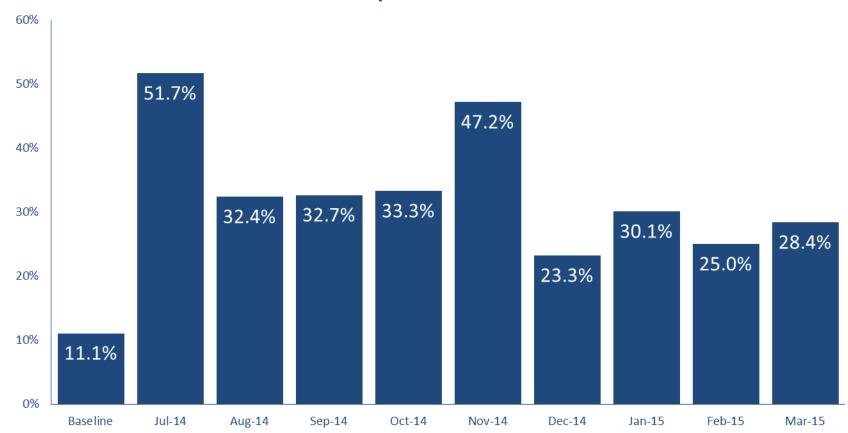
Score:	Interpretation:	Treatment Recommendation	
0-9	Mild to Minimal Risk	Support, educate to call if worsens, follow up as needed.	
10-14	Moderate Risk	 Antidepressant therapy and/or psychotherapy Behavioral health specialist provides resources, initiates treatment planning and motivational therapy as needed Conduct suicide risk assessment Virtual Psychiatric Guidance Follow up in 4-8 weeks 	
15-19	Moderately Severe Risk	 Antidepressant and/or psychotherapy Behavioral health specialist provides resources, initiates treatment planning and motivational therapy as needed Conduct suicide risk assessment Virtual Psychiatric Guidance Referral to Psychiatry if warranted Follow up in 2-4 weeks 	
20 or higher	Severe Risk	 Antidepressant, Possible augmentation BH specialist provides resources, initiates treatment planning and follows up with patient. Conduct Suicide risk assessment Follow up in 2-4 weeks Referral to Psychiatry 	



- 12 Month Remission Rates



12 Month Depression Remission Rate





- Trauma Patients - SBIRT

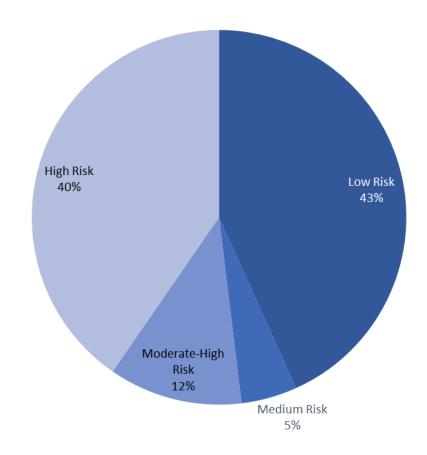


Approximately 500 trauma patients are year are positive for alcohol on arrival. Our Behavioral Health team

engages them

utilizing SBIRT

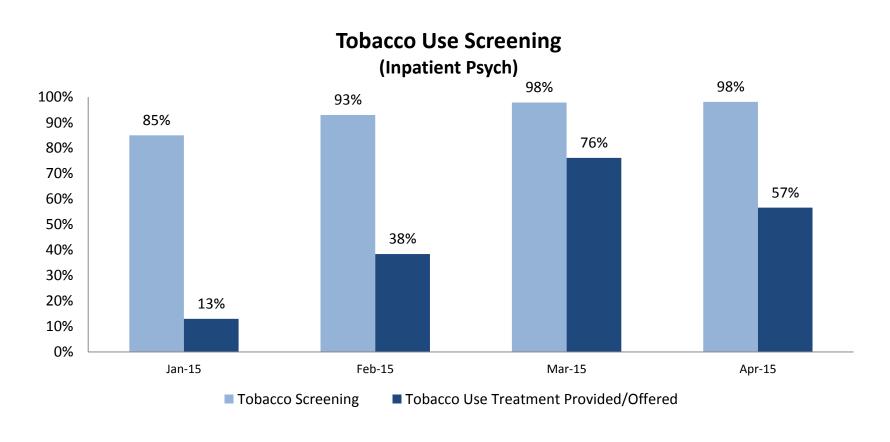
Trauma Patients - SBIRT Results





- Tobacco Use

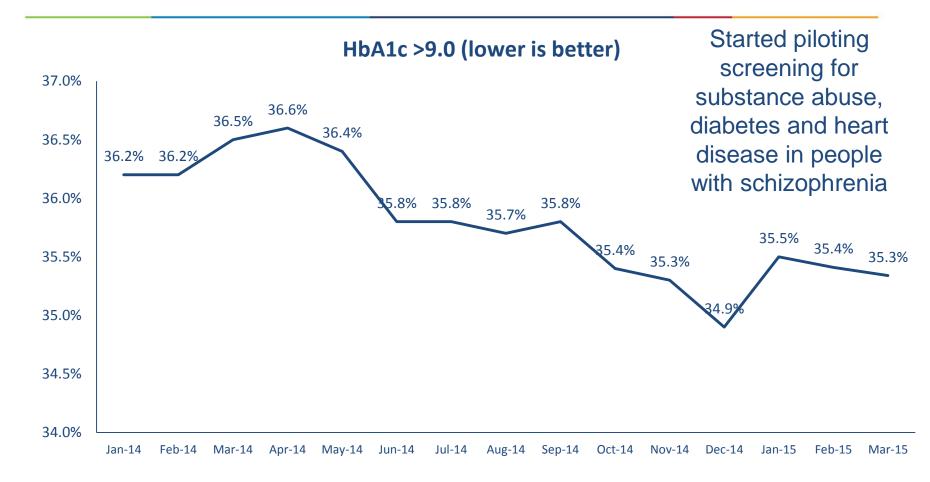






- HbA1c





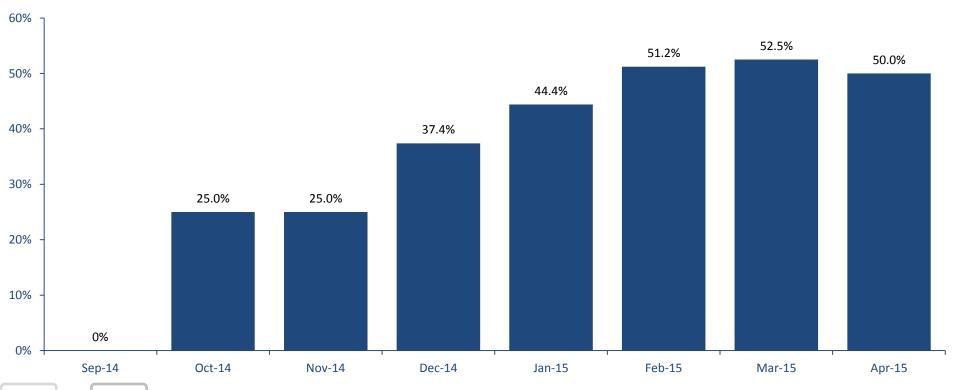


- LDL



Pilot Cardiovascular Screening (LDL) and Diabetes (HbA1c) in Day Rehab

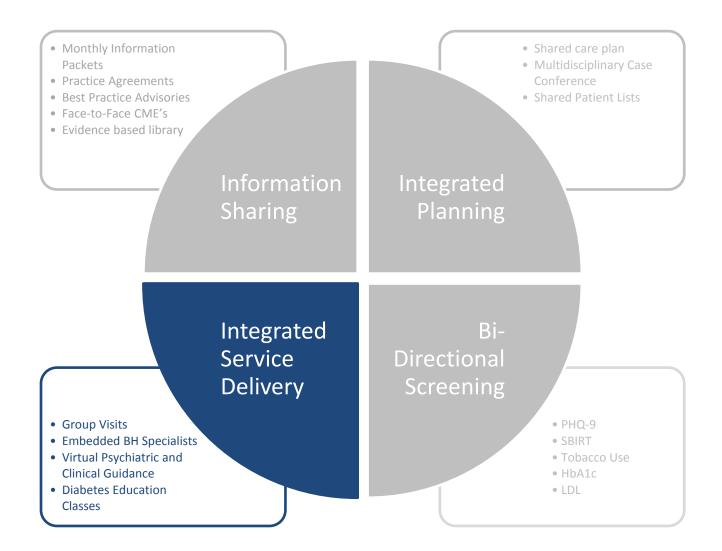
for patients prescribed an atypical with a diagnosis of schizophrenia or bipolar disorder





Integrated Service Delivery





Integrated Service Delivery - Group Visits



At several primary care clinics, we have quarterly Co-Facilitated Medical Groups with the Primary Care Physician and Embedded Specialists



Integrated Service Delivery

- MHMR of Tarrant County



Co-location of primary care within a MHMR behavioral health setting for the homeless population to provide convenience for target population of a "one stop shop".

- Improved access to primary care for individuals with behavioral health conditions and vice versa.
- Provide service coordination to assure seamless level of care between BH and PC
- Reduce cost of care by diverting individuals out of the ED.

Role collaboration plays

Collaboration, coordination, communication and consultation on the integrated care team have been crucial for the successful outcome for individuals.

- Coordination of information sharing
- Coordination of appointment scheduling
- Coordination of appropriate level of care
- Coordination of needed resources
- Direct face-to-face communication & consultation regarding critical cases



- Embedded BH Specialists



We currently have embedded behavioral health expertise into multiple settings:

- Primary Care Clinics
- Trauma Services
- AIDS/HIV Medical Home
- Diabetes Groups
- Co-Facilitating General Medical Condition Groups Throughout System







Education

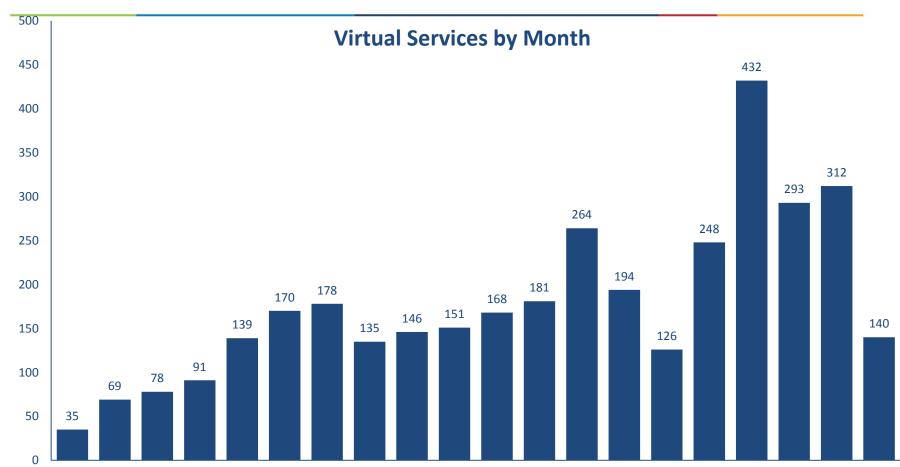
Evidence base practice

Case specific consultation





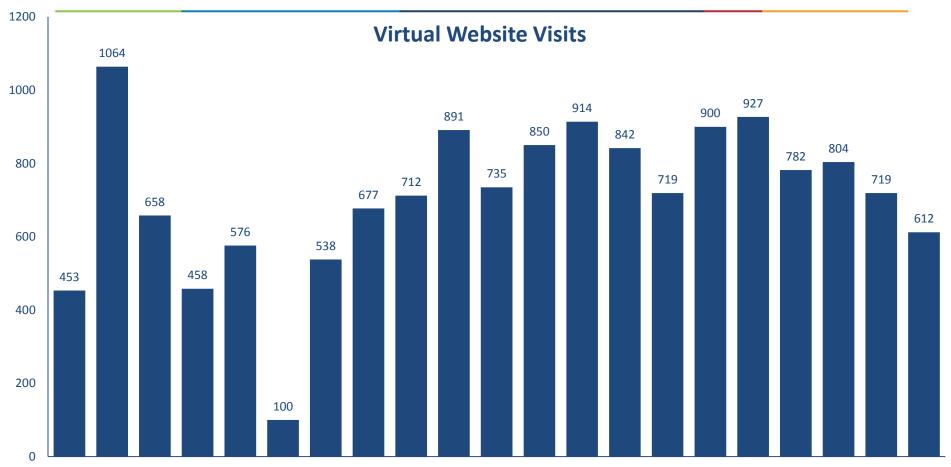




Aug-13 Sep-13 Oct-13 Nov-13 Dec-13 Jan-14 Feb-14 Mar-14 Apr-14 May-14 Jun-14 Jul-14 Aug-14 Sep-14 Oct-14 Nov-14 Dec-14 Jan-15 Feb-15 Mar-15



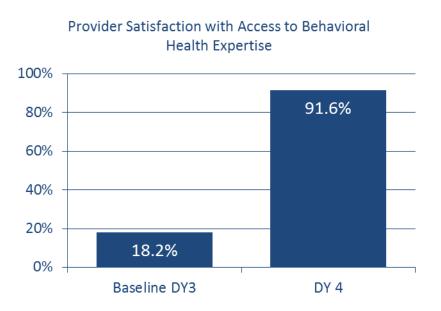


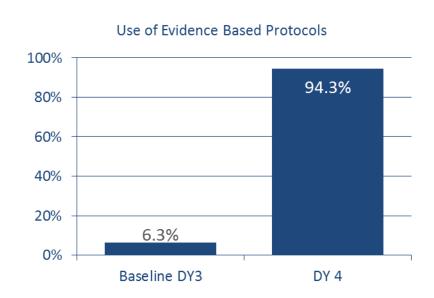


Jul-13 Aug-13 Sep-13 Oct-13 Nov-13 Dec-13 Jan-14 Feb-14 Mar-14 Apr-14 May-14 Jun-14 Jul-14 Aug-14 Sep-14 Oct-14 Nov-14 Dec-14 Jan-15 Feb-15 Mar-15

- Virtual Psychiatric & Clinical Guidance





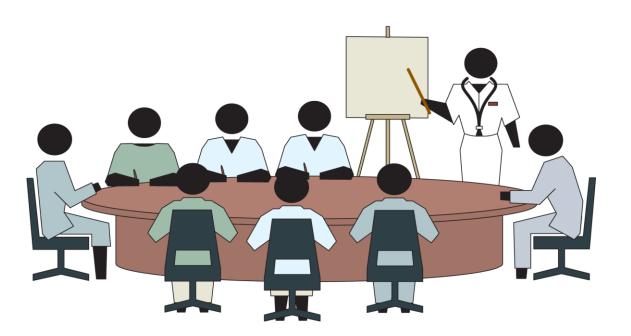


Primary care providers can speak with a psychiatrist about evidence based and best practice medication algorithms within 30 minutes.



- Diabetes Education Classes





We have eight Diabetic Education Groups at various locations in both English and Spanish. Each of the group cohorts meet for eight weeks.

Embedded specialists lead the 8th group to discuss depression, coping skills, and stress management related to their medical conditions and lifestyle changes.



- Clinical Pharmacist



- Review patients' medications and make recommendations for psychotropic and non-psychotropic medications
- Support for patients with medication related questions or problems
- Facilitate inpatient groups on medication-related topics (3 x/week)
- Soon to see patients receiving care in our HIV+/AIDS Clinic with complex medication regimens
- Teach psychopharmacology lectures for the Psychiatry, Emergency, & Family Medicine Residents





Learning Collaborative



We currently have seven organizations operating in the nine Texas counties of RHP 10 that are participating in the Integrated Care Learning Collaborative.

- Baylor Health Care System
- Helen Farabee Center
- JPS Health Network
- Lake Regional MHMR Center
- MHMR of Tarrant County
- Pecan Valley Centers
- Wise Regional Health System

Improve Screening Rates



Percentage of patients screened with team's selected cross-specialty screening

Numerator: Total number of patients in the population of focus who have received screening with the selected screening tool within the past 12 months

Denominator: Total patient population of focus for improved care integration at your site.

Behavioral health screenings for **primary care** settings

- PHQ2/PHQ9
- SBIRT (Screening, Brief Intervention and Referral to Treatment)
- Tobacco use screening
- Alcohol abuse screening (audit), MAST
- Drug abuse screening (DAST)
- Screening for risk of harm to self or others

Physical health screenings commonly done in **behavioral health** settings

- Diabetes screening
- Hypertension Screening
- BMI Calculation
- COPD Screening
- Cardiovascular disease screening
- HIV, STD, hepatitis

Improve Coordination



Percentage of patients who received the teams' selected integrated care intervention in past 12 months.

Numerator: Number of patients in the population of focus who have received the selected integrated care intervention in the past 12 months

Denominator: Total patient population of focus for improved care integration at your site.

- Patients with a shared care plan documented at both the PC Provider site and the BH Provider site
- Patients whose treatment plans include goals for both PC and BH
- Patients whose care was covered in Care Coordination Conferences with PC and BH Providers in the past 12 months (Note: Teams focusing on more complex patients may want to track patients covered in coordination conferences at more frequent interval. They could to use the different interval in addition to or instead of the 12-month interval.)
- Patients receive a visit with both their PC Provider and BH Provider within a set time period (e.g. past 60 days for more complex patients)

Improve Outcomes



Percentage of patients receiving integrated care whose condition improved.

Numerator: Number of patients in population of focus whose condition has been documented as improved in past 12 months, as measured by selected indicator.

Denominator: Total patient population of focus for improved care integration at your site.

Examples of improvement in **behavioral health** conditions in **primary care** settings

- -Screening results no longer positive
- -Adherence to medication for behavioral health condition (in DSRIP category 3)
- -Completion of counseling for behavioral health condition, based on documented achievement of 1+treatment plan goals
- -reduced PHQ-9 score for all patients with initial scores over 10, to less than 10
- -reduced PHQ-9 score for all patients with initial scores over 10, to less than 5
- -Behavioral health condition in remission
- -Abstinence from alcohol or other drug use
- -Reduced alcohol or other drug use

Examples of improvement in **primary care** conditions in **behavioral health** settings

- -Screening results no longer positive
- -Reduced tobacco use
- -Discontinued tobacco use
- -HbA1c less than 9%
- -BP to <140/90
- -LDL-C control
- -Patients engaged in or received treatment for STD, HIV, hepatitis

Integrated Care



Success

Success



25

what people think it looks like

what it really looks like



QUESTIONS?

Results, Outcomes and the Real Impact of the Transformation Waiver



Noelle Gaughen Medicaid/CHIP Transformation Waiver Texas Health and Human Services Commission



Christina Mintner
Vice President Waiver Operations
Parkland Health & Hospital System





Demonstrating the Impact of the Texas Transformation Waiver

Noelle Gaughen

Senior Policy Advisor
Health and Human Services Commission
Medicaid/CHIP Transformation Waiver



Waiver Renewal Ask

"HHSC proposes that the majority of the current 1458 active DSRIP projects be eligible to continue into the extension period in order to give projects <u>more time</u> to demonstrate outcomes."



How do we demonstrate outcomes?

- Project Level Outcomes
 - Mid Point Assessment
 - Operational data from QPI, Category 3, and qualitative reporting
 - Clinical Champions
 - Stretch Activity 3
 - MCO Alignment
- Statewide DSRIP Evaluation
- National DSRIP Evaluation





- Data availability, standardization, and timeliness
- Complex objectives
- Changing populations
- Changing measurement resources



DY3 Reported QPI

QPI Measurement Type	Sum of all DY3 QPI Goals	DY3 QPI Achieved (from 10/2013 - 09/2014)	% of total DY3 QPI Goals Achieved
Encounters	1,201,060	2,057,326	<mark>171%</mark>
Individuals	706,046	956,811	<mark>136%</mark>



Category 3 Performance

- 249 Category 3 outcomes reported DY4 achievement in April
 - XX% reported an improvement over their baseline.
 - XX% fully achieved or exceeded their DY4 goal.



Qualitative Reporting

Common Challenges & Lessons Learned identified in Semi-Annual Reporting:

- Patient Recruitment/Participation
- Administrative Capacity
- Provider recruitment & retention
- Changing organizational structure



Provider Led Evaluation

Stretch Activity 3: Alternative Approaches to Program and Outcome Linkages

- 96 Cat 1 or 2 projects are required to conduct a program evaluation as part of their Category 3 stretch Activity, making it the second most common Cat 3 outcome.
- HHSC plans to have training and support for providers conducting a program evaluation at the 2015 SLC



Clinical Champions

- A workgroup made up of clinical, quality and operational experts, who will help HHSC to:
 - Assess the transformational potential and impact of active DSRIP projects
 - Identify best practices by project area
 - Support HHSC in discussions of waiver renewal/extension and inform the clinical and quality aspects of future DSRIP protocol development.
- Clinical Champions nominations were solicited from Executive Waiver Committee member entities and other stakeholders, and began meeting monthly in January 2015 with support from HHSC staff.



Transformational Impact Summary

Sent to Anchors and Providers week of May 11th:

- Identify and share promising practices with like projects around the state
- Develop content for the 2015 Statewide Learning Collaborative
- Support Waiver extension/renewal efforts with CMS
- Inform ways to better evaluate projects in the next phase of the Waiver

1st Batch deadline: May 31st

2nd Batch review deadline: June 15th



Transformational Impact Summary

- Intent is to identify information that demonstrates the early success of projects.
- Not intended to be a formal peer-review or determine which projects are eligible for continuation beyond DY5.



Transformational Impact Summary

 The Impact Summary asks if providers are able to provide Medicaid IDs for patients served through DSRIP projects. This is intended to determine capacity for future analysis



Alignment with Medicaid Managed Care

- HHSC is encouraging coordination between DSRIP projects and MCO performance improvement projects (PIPs).
- Best practices and lessons learned from DSRIP will inform Medicaid benefits and program design.



DSRIP and Managed Care

- HHSC Quality Analytics team will be setting up quarterly one-on-one calls with MCOs to discuss, among other topics, progress on payment reform and moving successful DSRIP projects into Medicaid managed care.
- HHSC is working with some DSRIP providers that serve Medicaid patients to develop a model for creating value-based purchasing arrangements with MCOs. Specifically, HHSC is looking at:
 - Services provided by these DSRIP projects (those that are both covered and not covered by Medicaid)
 - Reimbursement and/or costs of those services,
 - Outcomes for the patients being served both the quality of care outcomes and the cost/savings metrics.



Formal Waiver Evaluation

Evaluation Goals:

- Measure changes to quality, health outcomes, and cost as a result of DSRIP
- Measure changes in collaboration among organizations as a result of DSRIP
- Assess stakeholder perceptions and recommendations



Formal Waiver Evaluation Questions

- What are stakeholders' perceptions of Program implementation and effectiveness?
 What are their recommendations for future improvement?
- Did the Program increase collaboration among RHP participants?
- Did DSRIP projects improve cost, quality, and health outcomes?
- Did participation in DSRIP projects change trends in Uncompensated Care claims?



Sample Used for Each Question

Question	Sample Used
 Stakeholders' perceptions 	 All participating organizations in all 20 RHPs
 Overall effects of Program on collaboration among RHP participants 	 All DSRIP participants in all 20 RHPs
 DSRIP project effects on cost, quality, and health outcomes 	 10 DSRIP ED care navigation project sites and 10 comparison sites
 Trends in Uncompensated Care claims 	 All hospitals submitting UC claims



Stakeholder Findings

DSRIP Strengths

- Resources to serve more patients/clients
- Opportunity to design innovative projects
- Collaboration with other organizations in area/community
- Access to health services program
- Opportunity for system reform



CMS Led Nationwide DSRIP Evaluation Questions

- What is the effect of the DSRIP demonstration funding paid to provider systems on the transformation of the delivery system, clinical quality, population health, use of value based payments, and per capita costs?
- Have DSRIP programs led to:
 - Transformation of the delivery system?
 - Improved clinical care at the individual level?
 - Improved health of low-income populations?
 - Value-based payment among safety-net providers?
 - Lower growth in Medicaid costs?
 - Sustained changes in any or all of the areas above?
- How are outcomes associated with program characteristics?

Waiver Renewal Updates



Pool Transition Plan

- STC 48 HHSC was required to submit by March 31, 2015, a pool transition plan that addressed the following:
 - Experience with the DSRIP pools,
 - Actual uncompensated care trends in the State, and
 - Investment in value based purchasing or other reform options.
- HHSC submitted the transition plan March 24, 2015.
- When Texas submits its renewal/extension request in September 2015, HHSC plans to request:
 - to continue at least the demonstration year (DY) 5 funding level for DSRIP (\$3.1 billion annually) and
 - a UC pool equal to the unmet UC need in Texas.

Pool Transition Plan

State goals for the pools for the extension period:

- Continue to support the healthcare safety net for MLIU Texans.
- Further incentivize transformation and strengthen healthcare systems across the state by building on the RHP structure.
- Maintain program flexibility to reflect the diversity of Texas' 254 counties, 20 RHPs, and over 300 DSRIP providers.
- Improve project-level evaluation to identify the best practices in DSRIP to be sustained and replicated.
- Further integrate DSRIP efforts with Texas' Medicaid managed care quality strategy and other value based payment efforts.
- Work to streamline the DSRIP program to lessen the administrative burden on providers while focusing on collecting the most important types of information.

<u>Timeline to Develop Renewal Request</u>

- HHSC staff is working to develop the draft renewal packet for public stakeholder meetings in July.
 - The renewal packet will include continuation of the managed care programs in the 1115 waiver, as well as the UC and DSRIP pools.
- RHP 9 / 10 Public Stakeholder Meeting:
 - Tuesday, July 21
 - Old Red Museum of Dallas County Culture and History
 - 10am to 12pm
- HHSC will review comments and finalize the renewal packet in August and then get State Leadership signoff to submit by September 30, 2015.

<u>Timeline to Develop Renewal Request</u>

- The renewal packet does <u>not</u> need to have the protocol revisions, although CMS would like to get them as soon as possible. HHSC plans to make changes to the two DSRIP protocols the RHP Planning Protocol and Program Funding and Mechanics (PFM) Protocol for submission to CMS in late 2015 early 2016.
- Many of the specific programmatic details around project continuation, requirements and funding will be included in the protocols rather than in the renewal packet.
- HHSC tentatively plans to hold a webinar on the proposed changes to the DSRIP protocols in early August and also will discuss these changes at the Statewide Learning Collaborative Summit in Austin on August 27-28, 2015.

Renewal Request

- CMS has indicated that changes will be required to the waiver Special Terms and Conditions in order to extend the pools.
- HHSC is certain CMS will want additional changes to the waiver.
- While HHSC understands from CMS is that extensions typically are for 3 years (and sometimes 1 year), HHSC is going to request a 5 year extension to see if that might be possible.

DSRIP Renewal Request

- •HHSC plans to propose the following for DSRIP:
- Continue with the existing DSRIP program administrative structure, including the 20 RHPs and role of the anchoring entities to provide regional coordination and technical assistance.
- The majority of the current 1400+ active DSRIP projects will be eligible to continue into the extension period in order to give projects more time to demonstrate outcomes.
 - These projects may be required or encouraged to take a logical next step toward further transformation.
 - Some projects will not be eligible to continue based on review of the independent assessor and HHSC.

DSRIP Renewal Request

- •What to do with funds from the DSRIP pool not allocated to continuing projects?
- Propose alternate transformative projects from narrower menu based on lessons learned,
- Bring smallest projects up to a minimum valuation level, and/or
- Establish a shared performance bonus pool for regions that make improvements on key measures.

DSRIP Renewal Request

- •Work to streamline the DSRIP program to lessen the administrative burden on providers while focusing on collecting the most important types of information.
- Allow certain projects to be combined into a single project to reduce reporting burden (ex providers who are in multiple regions with same project)
- Reduce and standardize the number of metrics reported
 - Cat 1-2: QPI milestones required each year overall QPI and one specific to Medicaid/low income uninsured
 - Cat 1-2: Optional milestones such as related to increased data exchange and projectlevel evaluation/sustainability planning
 - Cat 3 TBD HHSC continues to review the Category 3 methodologies and how outcomes align with projects.
- Eliminate achievement carry forward, or possibly extend to just one reporting period beyond the DY (vs. 2), but allow for partial achievement for QPI similar to what's allowed for Cat 3 now

DSRIP Results & Alignment with Managed Care

- •Further integrate DSRIP efforts with Texas' Medicaid managed care quality strategy and other value based payment efforts.
- Develop a value based purchasing roadmap by late 2016/early 2017 for the extension period.
- Further align DSRIP and managed care quality measures where possible (e.g. consider some managed care P4Q measures for DSRIP shared performance bonus pool).
- HHSC will provide CMS Medicaid and inpatient all-payer global trend data such as PPEs from 2012 through the extension period (by managed care plans/areas and RHP) to help show whether combined efforts are having an effect on key measures.

DSRIP Results & Alignment with Managed Care

- •Other ideas to help evaluate the Medicaid impact of DSRIP projects and to further data exchange to support care coordination and systems of care
- Along with QPI information, require DSRIP projects to report Medicaid IDs of patients served by the project.
- Require all DSRIP and UC hospitals to provide admission, discharge, and transfer (ADT) information either to their regional HIE or a State-level HIE. HHSC could provide Medicaid ADT information to Medicaid MCOs for them to share with providers to improve care coordination.

RHP 9 / 10 Public Meeting

Old Red Museum of Dallas County
Culture & History
Tuesday, July 21
10am to 12pm

QUESTIONS????

BREAK & BREAKOUT SESSIONS

Fan Fare

Day 2 – Category 3

- Go to Breakout Session Rooms after Break 2:15 P.M.
- After Breakout Sessions Return to Main Room



Breakout by Category 3



- Table Discussion
 - How are you identifying your metrics?
 - How often are you measuring?
 - What are key success factors to capturing and meeting your metrics?
 - What have been your greatest challenges in capturing your data, how are you overcoming these challenges?

Report Out

 Some tables will share their discussion outcomes with the rest of the group in the room

Mobile Health to Engage Medicaid Participants



Jay Bernhardt, PhD, MPH
Founding Director Center for Health Communications
University of Texas at Austin















Mobile Health to Engage Medicaid Participants

Jay M. Bernhardt, PhD, MPH

Professor and Director, Center for Health Communication Everett D. Collier Centennial Chair in Communication





UT Center for Health Communication



Mission:

To improve health in Texas, the United States, and globally through leadership and excellence in health communication research, education, programs, and partnerships.

http://moody.utexas.edu/healthcomm



Health IT and Health Disparities

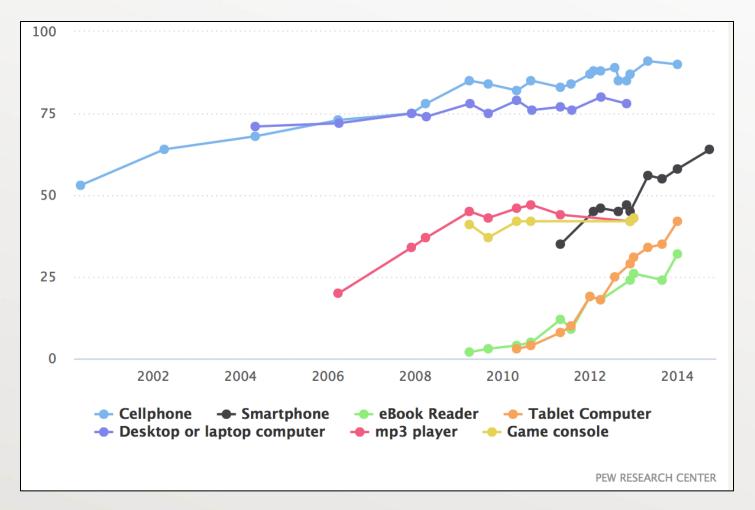
Health Information Technology (HIT) "...provides an opportunity for engaging populations not historically well served by the traditional health community... The impact of facilitating patient and population contribution to, and control of, their health information has the potential to provide further insights into, and opportunities to address, disparities in underserved populations"



 Institute of Medicine (2010). Digital Infrastructure for the Learning Health System. Washington, DC: National Academies Press, p. 31.



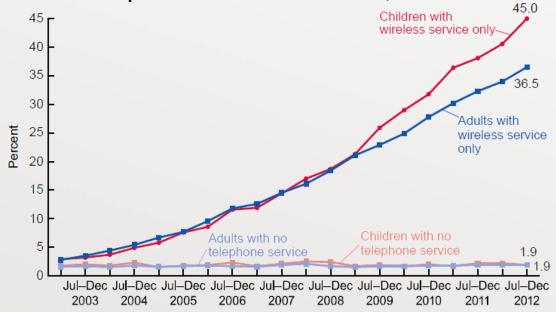
Adult Gadget Ownership (2002-2014)





Mobile Only Households

Percentages of adults and children living in households with only wireless telephone service or no telephone service: United States, 2003–2012



NOTE: Adults are aged 18 and over; children are under age 18. SOURCE: CDC/NCHS, National Health Interview Survey.

- Hispanic adults (51%)
 more likely than nonHispanic white adults
 (33%) or non-Hispanic
 black adults (39%) to
 be mobile only
- Renters (54%) more mobile only than home owners (25%)
- People in mobile-only households exhibit more risk behaviors
- Source: CDC NCHS Wireless
 Substitution Early Release of Estimates
 from the National Health Interview
 Survey, July December 2012



Smartphone Ownership Patterns

% of U.S. adults in each group who own a smartphone

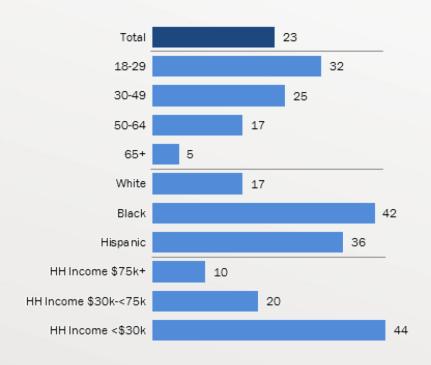
All adults	64%
Male	66
Female	63
18-29	85
30-49	79
50-64	54
65+	27
White, non-Hispanic	61
Black, non-Hispanic	70
Hispanic	71
HS grad or less	52
Some college	69
College+	78
Less than \$30,000/yr	50
\$30,000-\$49,999	71
\$50,000-\$74,999	72
\$75,000 or more	84
Urban	68
Suburban	66
Rural	52

Combined analysis of Pew Research Center surveys conducted December 4-7 and 18-21, 2014.

PEW RESEARCH CENTER

Lower-income and Minority Smartphone Owners are Especially Likely to Have Canceled or Cut Off Service

% of smartphone owners who have canceled or cut off service for a period of time because maintaining their service was a financial burden



Pew Research Center American Trends Panel survey, October 3-27 2014.

PEW RESEARCH CENTER



Daily SMS Use (2011)

	Mean	Median
All text messaging users	41.5	10
Gender		
Men	40.9	10
Women	42.0	15
Age		
18-29	87.7	40
30-49	27.0	10
50-64	11.4	3
65+	4.7	2
Race/Ethnicity		
White, non-Hispanic	31.2	10
Black, non-Hispanic	70.1	20
Hispanic	48.9	20
Household Income		
Less than \$30,000	58.7	20
\$30,000-\$49,999	40.2	15
\$50,000-\$74,999	25.9	10
\$75,000+	31.9	10
Education level		
Less than high school	69.4	20
High School diploma	45.4	15
Some College	53.0	15
College+	23.8	10

Source: The Pew Research Center's Internet & American Life Project, April 26 – May 22, 2011 Spring Tracking Survey. n=2,277 adult internet users ages 18 and older, including 755 cell phone interviews. Interviews were conducted in English and Spanish.

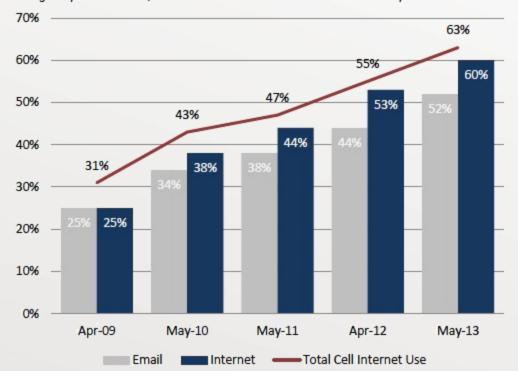
- Almost 10 trillion SMS messages sent in 2012
 - 80% of all US cell phone owners text
 - 92% of US smart phone owners text
 - US SMS users average 35 texts per day
- 99% of received SMS are opened and 90% read within 3 minutes of being received
- Messaging Apps growing while SMS very slightly declining (but still very high)
 - Kik, WhatsApp, SnapChat

http://www.factbrowser.com/tags/sms http://www.tatango.com/blog/sms-open-rates-exceed-99/



Almost two-thirds of cell owners go online using their phones

Among cell phone owners, the % who use the internet or email on their phone



Source: Pew Internet & American Life Project Spring Tracking Survey, April 17-May 19, 2013. N=2,076 cell phone owners ages 18+. Interviews were conducted in English and Spanish and on landline and cell phones. The margin of error for results based on cell phone owners is +/- 2.4 percentage points.

Demographics of cell-mostly internet users

Among cell internet users, the % who mostly use their phone to go online

		% who mostly online using th cell phone			
All	cell internet users (n=1,185)		34%		
а	Men (n=598)		34		
b	Women (n=587)	34			
Rac	e/ethnicity				
а	White, Non-Hispanic (n=762)		27		
b	Black, Non-Hispanic (n=158)		43 ^a		
С	Hispanic (n=157)		60 ^{ab}	Г	
Age					
а	18-29 (n=336)		50 ^{bcd}		
b	30-49 (n=405)		35 ^{cd}		
С	50-64 (n=304)		14		
d	65+ (n=109)		10		
Edu	cation attainment				
а	Less than high school/High school grad (n=333)		45 ^{bc}		
b	Some College (n=306)		34 ^c		
С	College + (n=541)		21		
Hou	sehold income				
а	Less than \$30,000/yr (n=238)		45 ^{cd}		
b	\$30,000-\$49,999 (n=175)		39 ^a		
С	\$50,000-\$74,999 (n=171)	30			
d	\$75,000+ (n=429)		27		
Urb	anity				
а	Urban (n=436)		33		
b	Suburban (n=571)		35		
С	Rural (n=176)		30		

Source: Pew Internet & American Life Project Spring Tracking Survey, April 17-May 19, 2013. N=1,185 cell internet users ages 18+. Interviews were conducted in English and Spanish and on landline and cell phones. The margin of error for results based on cell internet users is +/- 3.3 percentage points.

Note: Percentages marked with a superscript letter (e.g., ^a) indicate a statistically significant difference between that row and the row designated by that superscript letter, among categories of each demographic characteristic (e.g. age).



Mobile Use Summary

- Mobile phone access is ubiquitous, even among lower income and minority populations
- Texting and mobile web access is highest among minority and lower income populations
- Smartphones are rapidly replacing feature phones among all population groups

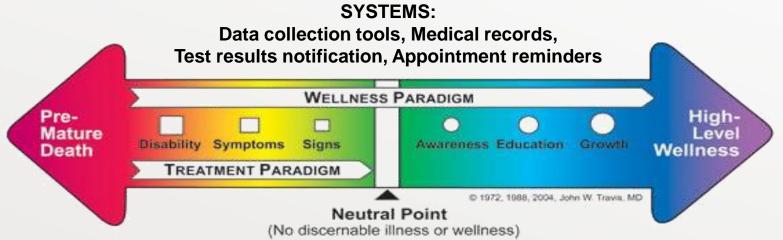


mHealth vs. eHealth

- mHealth (aka m-health or mobile health)
 - Application of mobile devices including phones,
 tablets, and integrated monitoring devices to support
 all aspects of healthcare and public health
- <u>eHealth</u> (aka health information technology [HIT], health or medical informatics)
 - Application of information technology to health systems including electronic health records, information management systems, surveillance



Taxonomy of mHealth Applications



MEDICAL CARE:

Clinical decision support systems, Medical education, Disease monitoring, Acute disease management

PREVENTION/HEALTH PROMOTION:

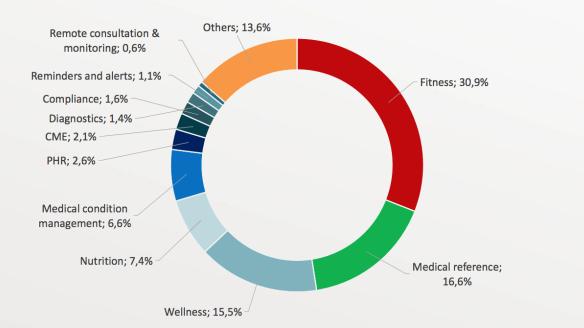
Treatment programs, Chronic disease management, Medication adherence, Health behavior change programs, Untargeted mass health promotion



mHealth and Apps

- > 100,000
 health-related
 apps available
- Spending at \$4B/year
- \$25B+ by2017?

mHealth app category share

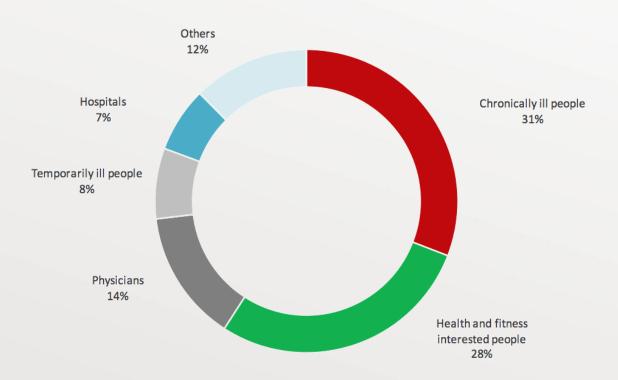


Source: research2guidance, 808 apps form Apple App Store, Goolge Play, BlackBerry App World and Windows Phone Store (March 2014)



Who Uses mHealth apps?

mHealth app category share



Source: reserch2guidance mHealth App Developer Economics survey 2014, n=2032



Why Don't Health Apps Work?

 The fatal flaw of health apps is <u>not</u> the design, accessibility, functionality, interoperability, etc.

The fatal flaw of health apps is the user!



mHealth via Mobile Web (mWeb)





- Almost two-thirds of mobile phone owners go online
- Few health sites have a mobile optimized websites
- Requires "responsive design" or create a mobile layer of critical content



Why is healthcare behind on mWeb?

- Lack of expertise and cost for CMS, SEO, and responsive design has not exceeded benefits
- More search and access from mobile than PC
- Major opportunities for impact using mWeb
- Every organization needs a mWeb strategy!



mHealth via SMS













mHealth for Patient Reminders

- Reviewed 29 studies with 33 interventions
 - Study sizes: n=325-2864
 - Study durations: 2-7 months
- 32 of 33 interventions showed benefits of sending reminders prior to appointments
 - Manual calls more effective than automated reminders (39% vs. 29%) but at higher cost
 - No differences on reminder timing

Hasvold & Wooton (2011) Use of telephone and SMS reminders to improve attendance at hospital appointments: A systematic review. *Journal of Telemedicine and Telecare.*





mHealth for Type 2 Diabetes

- Reviewed 13 telehealth interventions for T2
 - 4 studies showed improved glycemic control
 - 5 of 8 showed improved dietary adherence
 - 5 of 8 showed improved physical activity
 - 3 of 8 showed improved blood glucose monitoring
 - 3 of 8 showed improved medication adherence
- Conclusion: Behavioral telehealth has promise

Cassimatis, M. & Kavanagh, D.J. (2012). Effects of type 2 diabetes behavioural telehealth interventions on glycaemic control and adherence: a systematic review. Telemedicine and Telecare, 18, 8, 447-450.





SMS-Based mHealth Findings

- Reviewed 12 studies (17 articles) using SMS
 - Intervention length ranged from 3-12 months
 - Sample sizes (n=16-126, + 1,705)
 - Disease management: Diabetes, Asthma
 - Disease prevention: Medication adherence, Weight loss, Physical activity, Smoking cessation
 - 8 of 9 powered studies found
 evidence of significant behavior change

Cole-Lewis & Kershaw (2010) Text messaging as a tool for behavior change in disease prevention and management. *Epidemiologic Review.*





SMS Systematic Review of Reviews

- Reviewed 15 systematic reviews and meta-analyses
 - Explored 89 individual studies using SMS for public health
 - SMS-based interventions were effective for diabetes selfmanagement, weight loss and physical activity, smoking cessation, medication adherence for antiretroviral therapy
 - Limited consistent evidence across the studies and reviews to inform recommended intervention characteristics.
 - Additional research needed to establish longer-term intervention effects, identify recommended intervention characteristics, and explore issues of cost-effectiveness.

Hall, A.K., Cole-Lewis, H. & Bernhardt, J.M. (2015). Mobile Text Messaging for Health: A Systematic Review of Reviews. *Annual Review of Public Health*.





SMS Example: text4baby

- Goal: To reach women at high risk of having poor birth outcomes
- Free program from National Healthy Mothers, Healthy Babies Coalition with J&J and 900+ partners
- Over 475,000 mothers since 2010
- Three free text messages per week
- Health tips timed to due/birth date
- Available in both English and Spanish



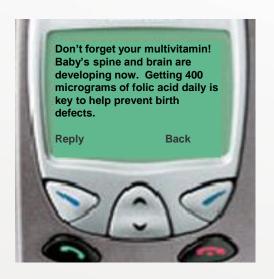


Adapted from Bushar & Kendrick (2013). Text4baby Just
Turned Three! What Have We Learned? DHCX 2013
Presentation. @jaybernhardt



SMS Example: text4baby

- Process Evaluations
 - Users: 53% pregnant, 46% delivered
 - Referrals 23% MD/RN, 23% media, 16% HD
 - Good at reaching moderately low income
- Outcome Evaluations
 - Increases self efficacy among moms
 - Helps remind about vaccines
- Program Improvements
 - More 2-part (longer) messages
 - Links to mWeb sites







SMS Pilots Focused on Health Disparities

- Formative research on SMS for health (Kharbanda et al, 2009)
 - SMS immunization reminders were OK among urban parents
- SMS Pilot on Diabetes Self Management (Dick et al, 2011)
 - Older adult urban African American population (n=18)
 - Although ½ of respondents were initially uncomfortable with SMS messages, treatment adherence and self-care confidence improved
- SMS on influenza vaccine (Stockwell etl al, 2012)
 - SMS increased vaccine uptake urban, low income pediatric patients
- Despite the potential, limited mHealth research focused on underserved patients and populations has been published



Wearables for Medicaid Participants?







- Rapid sales growth
- Frequent innovation
- Crowdfunding success
 - Kickstarter/Indiegogo
- CES 2014 & 2015



Use Cases for Health Wearables

- Fitness and Wellness
 - Steps, speed, and distance traveled (calories burned)
 - Heart rate and recovery
 - Skin and body temperature
 - Posture and body position
 - Sleep patterns and quality
 - Sun/UV ray exposure

- Chronic Disease
 Self-Management
 - Obesity and Overweight (Fitness and calories)
 - Arthritis (Gate and steps)
 - Diabetes (Blood glucose)
 - Epilepsy (Seizure sensor)
 - Dimentia (Memory aids)



Research on Self Monitoring

Weight Loss

 Consistent significant association between selfmonitoring (diet, weight, exercise) and weight loss (Burke et al., JADA, 2011)

Diabetes

 Self-monitoring of blood glucose may lead to improvements in diabetes self management (McAndrew et al., The Diabetes Educator, 2007)

Physical Activity

 12 of 14 studies showed increased activity among youth wearing pedometers (Lubans et al., Prev Med, 2009)



Wearable Game Changer?



"...the most personal device we've ever created." – Tim Cook



Microsoft Band









mHealth for Medicaid Participants

- High access among hard-to-reach patients
- Facilitates accessible, sustainable, sharable, social, multimedia, multi-directional, personalized, and engaging messages
- Relatively low cost for high reach and impact
- Potential for EHR interoperability/integration
- SMS has strongest evidence of efficacy



mHealth for Medicaid Participants

- Few studies of mHealth use mobile web or apps
- Mostly pilot studies using SMS or mHealth with underserved (except for Text4Baby)
- Programs should be targeted and customized for patient and community needs
- Privacy and HIPAA rules must be considered
- Research on cost and sustainability needed



"We will soon be saying mHealth is dead'

because <u>all</u> healthcare and public health functions will use

mobile technologies!"

- @jaybernhardt







THANK YOU





Jay M. Bernhardt, PhD, MPH



jay.bernhardt@austin.utexas.edu

moody.utexas.edu/healthcomm



Collaborative Connections Improving Care

Day 2 - Final Thoughts

