



Data Driven Provider Engagement Strategies

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About Beth Israel Deaconess Care Organization

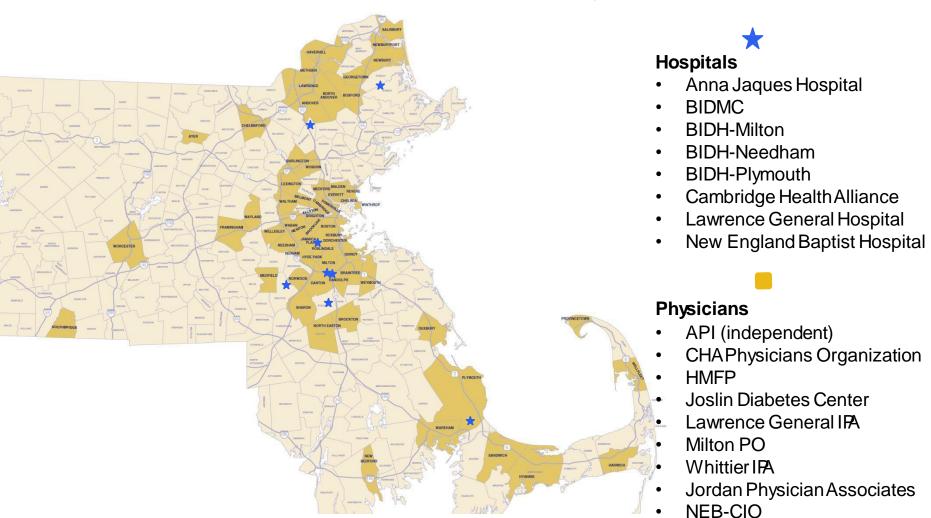
- BIDCO is a value-based, physician and hospital network and Accountable Care Organization (ACO) in Massachusetts
 - 649 bed AMC, major Affiliate of Harvard Medical School and 7 other hospitals
 - 2,500 physicians, including 900 full-time Harvard Medical School faculty exclusively affiliated with BIDMC
 - 600 PCPs
- Our ACO risk population includes Commercial, Medicare Advantage, Medicare and Medicaid.
- Our mission is to move health care forward by engaging providers in their communities to achieve success in a value-based delivery system
- We are committed to creating innovative, industry- leading best practices in the clinical, administrative, and financial aspects of health care







Beth Israel Deaconess Care Organization (BIDCO)



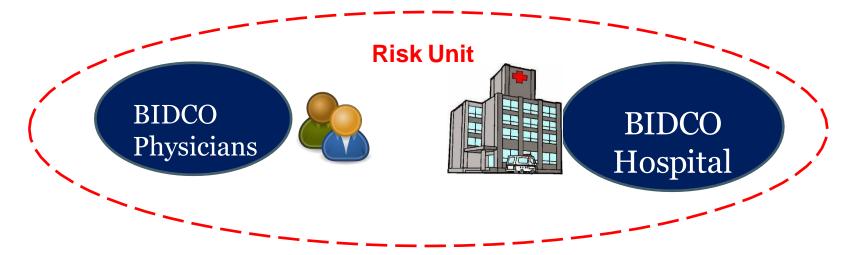






BIDCO Structure and Governance

For Financing Systems, Communication and Execution On Clinical Initiatives



BIDCO Clinical Champions

PCPs grouped into Pods

Pod Leader

MonthlyPod meeting

Monthly Pod Leader meeting











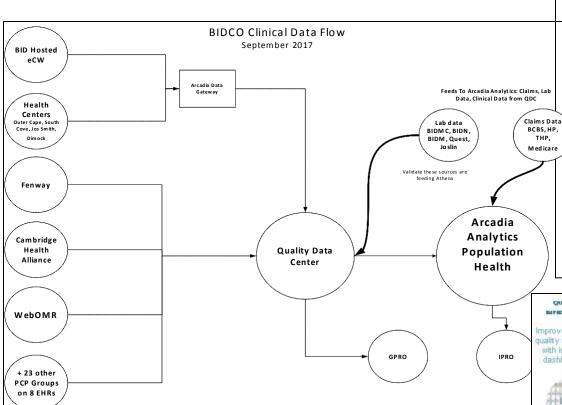




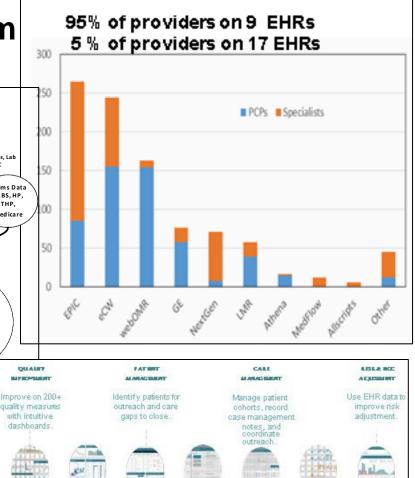




BIDCO Population Health Platform



Single sign on with 6 main EMRs for point of care analytics









Provider Engagement

- Find a Common Purpose
- Align value based goal with a common purpose
- Align performance metrics and financial systems
- Identify Clinical Champions
 - Endorse the concepts of the interventions with patients.
 - Participate in reporting and data exchange included in the program.
 - Identify interventions needed for patients.
 - Disseminate positive message
- Use Data/reporting based on Principles Economics
 - Immediacy
 - Relative social ranking
 - Goal gradients and Threshold effects
 - Overcoming status quo bias'



Emanuel EJ, et al. Ann Intern Med. 2016 Jan 19;164(2):114-9.



Find a Common Purpose: The need for a <u>network wide</u> care retention and outmigration system strategy

- Accountable Care Organizations (ACOs) across the US are struggling in managing beneficiary care seeking patterns across the care continuum
- Recent research has found that in-network care can generate proactive coordination in chronic and complex diseases that results in higher quality and fewer hospital admissions
- Often times critical systems are either absent or inadequate thereby resulting in higher costs or delayed care (e.g. unnecessary or misdirected referrals)

Increasing retention within our network in both <u>risk and non-risk</u> populations allows us Win / Win for <u>fee-for-value</u> and <u>fee-for-service</u> and keeps 'care in the community'





Align value based goal to common purpose:

Care retention: Improved quality and TME for patients by improving coordination and keep most care in the community.

	Leaked Total Medical Expense CY16 Related to Care Retention and Outmigration Goals (% of total TME)								
RiskUnit		Outpatient		Inpat	Grand Total				
	ED	OP	Specialist Visits	Med/Surg	OB	Grand Total			
	57%	32%	33%	38%	38%	38%			
	44%	41%	54%	39%	63%	42%			
	58%	35%	24%	39%	54%	40%			
	38%	40%	64%	30%	45%	34%			
BID System	52%	35%	41%	37%	44%	38%			

Source: Athena claims warehouse. Measurement period = 4/1/16 to 3/31/17. SQL based data pull on 7/22/17. Queries run off of f act tables. All risk payers. BID Risk Units .Outpatient Procedures include Ambulatory Procedures, Major Procedures, Endoscopy, and any related to Cardiovascular. Inpatient elective and emergent are included.







Refining the Data Driven Approach

Close partnership with primary care physicians, and specialists refining an analytical methodology

Multi service line BIDCO wide opportunity across care continuum

Multi service line BID System opportunity across care continuum

Data driven informed discussions with PCPs to understand patient & provider opportunities

Multipronged care retention Action
Plans

Continuously refine care retention and outmigration methodology, strategy and action plans at BIDCO •

- State analyses' assumptions and limitations upfront (e.g. data available, real time vs lag, etc)
- Address known concerns (e.g. patient risk, distance)
- Include key stakeholders in data discovery and vet data with physician leads
- Promote knowledge sharing across stakeholder groups (e.g. Pod Leaders; Medical Directors; Specialists; Regional Managers; Senior Leadership)
- Benchmark performance across Pods/Practices/PCPs and create targets
- Leverage best practices from literature and within our practices in system
- Provider reporting dashboards to follow performance







Immediacy

• Immediacy enhances response, whereas delayed gratification dampens it. Giving clinicians frequent interim feedback affords them an opportunity to modify their behavior and learn more quickly whether the modifications improve performance. The optimal frequency, however, is

unknown.

		Commercial					
	Inpatient Medical	Inpatient Surgical	Emergency Department				
Admits/1000							
Prior Year	11.9	7.5	276.7				
Current Year	13.0	7.2	261.8				
% Change	8.8%	-3.4%	-5.4%				
Care Retention Rate							
% Care Retention	52.4%	54.4%					
% Leakage	47.6%	45.6%					
Leakage Rate			S				
% Emergent	97.2%	36.7%					
% Elective	2.8%	63.3%					

Risk unit/practice/patient level drill down reports every other month

- Leakage reports with drill down by subservice line
- Practices by PCP whether elective or emergent.

elective or emergent.							
	Affiliated with Beth Israel Deaconess Medical Center		HAR				

Inpatient Med/Surg - Commercial								
	Leakage	Keepage						
(2.50/	Ć154 257	г 1	27.50/	2.4				
62.5%	\$154,257	5.1	37.5%	3.1				
35.5%	\$297,216	10.6	64.5%	19.2				
66.7%	\$25,109	7.3	33.3%	3.6				
0.0%	\$0	0.0	100.0%	0.0				
41.7%	\$70,077	8.3	58.3%	11.6				
0.0%	\$0	0.0	100.0%	0.0				
77.8%	\$215,015	17.0	22.2%	4.9				
	4							
0.0%	\$0	0.0	100.0%	0.0				
31.4%	\$150,800	7.8	68.6%	17.1				
100.0%	\$10,214	2.4	0.0%	0.0				
28.2%	\$364,445	9.3	71.8%	23.6				
75.00/	¢224 662	10.7	35.00/	6.6				
75.0%	\$321,663	19.7	25.0%	6.6				
0.0%	\$0	0.0	100.0%	0.0				
50.0%	\$184,770	10.6	50.0%	10.6				
50.0%	\$99,670	6.9	50.0%	6.9				
63.3%	\$478,453	15.9	36.7%	9.2				
0.0%	\$0	0.0	100.0%	144.3				
44.7%	\$2,371,689	9.8	55.3%	12.1				
36.6%	\$29,729,435	13.0	63.4%	22.6				

Innationt Mod/Surg - Commercial

Relative Social Ranking

[1

[1

[0

BIDCO

- People are heavily influenced by their perception of how their performance compares with those around them. Physicians' sense of competitiveness can be deployed by distributing identified rankings to physicians within one's group, or even to the general public.
- Social comparison
 approaches can recognize
 team-based outcomes and
 not only individual-level
 outcomes, potentially
 facilitating collaboration to
 improve patient care while
 preventing competition
 among team members.

[2	39	82.1%
U	5	80.0%
[0	10	80.0%
[1	9	77.8%
SE		
[4	19	73.7%
[0	14	71.4%
[1	7	71.4%
[3	16	68.8%
[0	6	66.7%
[0	6	66.7%
[4	17	64.7%
Α		
[1	8	62.5%
В		
[0	7	57.1%
[4	28	50.0%
[2	6	50.0%
[3	12	41.7%
[3	8	37.5%
[2	3	33.3%

Admits

2

%

Keepage*

100.0%

100.0%

100.0%

67.1%

228

Pod

Kolstad J Information and quality when motivation is intrinsic: evidence from surgeon report cards
Am Econ Rev 2013;103: 2875-2910





Goal Gradients and 'Threshold effects' Target Performance Metric

• As people approach a goal, they try harder to achieve it, but once they reach the threshold, effort may drop—a phenomenon known as the —threshold effect. Poorer performers, concluding that they cannot reach the targeted threshold, may stop trying to improve. Recognition of improvements in performance as well as overall performance is important to encourage participation by those who are further away from the desired thresholds.

Inpatient Medical and Surgical Admission

Elective

LOB: Commercials

CY2016

Excludes: Out of State/Transplants

Retention Goal: 56.3 %(<43.7% leakage)

Floor 53.1% (<46.9 % leakage)

Risk Units (1)	co	mpetitor				30th	40th	50th	60th	75th
			network	Grand Total	Leakage Rate	Percentile	Percentile	Percentile	Percentile	Percentile
Е		73	225	298	24.5%					
Е		39	227	266	14.7%					
P		83	96	179	46.4%					
Е		56	121	177	31.6%					
В		31	121	152	20.4%					
В		72	47	119	60.5%					
Е		24	66	90	26.7%					
C		32	55	87	36.8%					
В		22	31	53	41.5%					
E,		5	31	36	13.9%					
Grand Total	437	1,020		1,457	30.0%	36.8%	31.6%	30.0%	26.7%	22.4
					Achieved Target	7 of 10	6 of 10	5 of 10	5 of 10	3 of 1
anuel EJ, et al. Ann	Intern Med.	2016 Jan 19;16	4(2):114-9.			70.0%	60.0%	50.0%	50.0%	30.09





Align Goal with Performance Metric Reward PCPs

- Earnable PMPM on commercial membership
- Performance-based and measured at Pod level
 - Metric
 - Care Retention elective adult medical & surgical admissions
 - Funding
 - First cut aggregate surplus
 - Monies unearned by Pods flow back to aggregate surplus pool





Clinical Champions: Pod Leader creation of 'Best Practice Tool Kit:' (Orthopedics)- What Matters!

Access Ease of appointment **Patient** Location, geography Urgent appointment access Access, communication •Ease for referral and ease getting results/view image Provider Referral algorithms Clinical pathways Location/Geography Network ·Benefit design-no in network referral Specialist familiarity Tools Provider directory **Echnology** Apps



Overcoming 'Status Quo Bias'

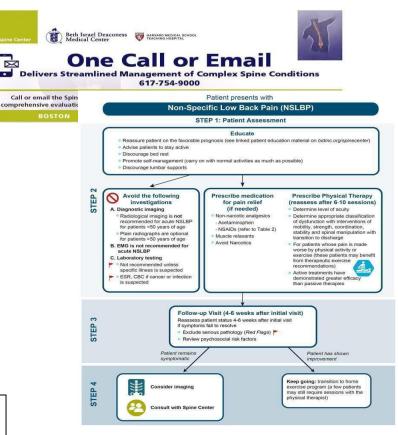
When making choices, people typically demonstrate a status quo bias

• Changing habits and settled practices usually requires explicit efforts and policies, such as implementing new defaults. Thus, it is important to structure a decision-making environment that makes it easy to provide

high-quality, cost-effective care

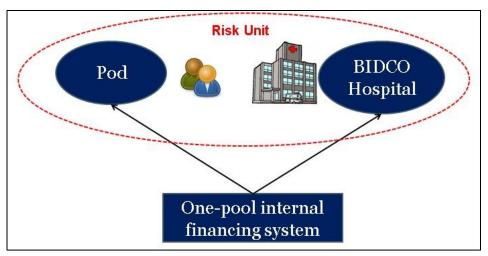
- Spine Center Care pathways to help support PCPs in the management of patients who present with back pain
- Development of Acute Back Pain Clinic with Psychiatrist and PT
- Open for urgent referrals 9/2016
- One call or e-mail
- Patient facing materials
 - Helps PCP set expectations
 - Developed in consultation with Outpatient PT and PCPs

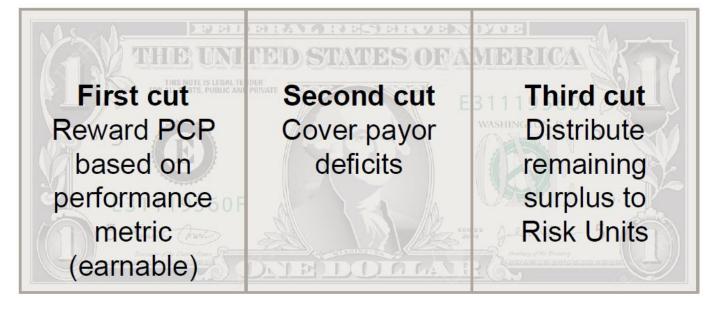
Johnson EJ Goldstein D Medicine. Do defaults save lives? Science2003; 302:1338-9





Aligning Metric with Internal Financing System



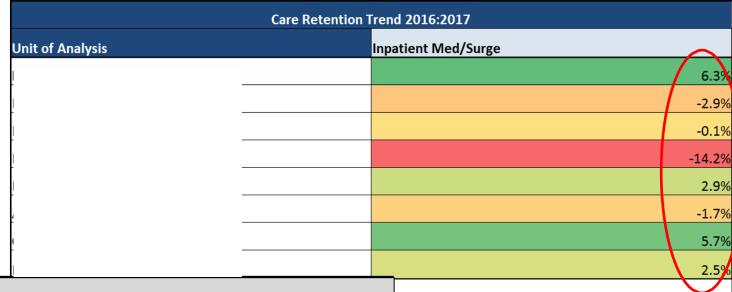




Q3 2017 Outcomes

Care Retention: Elective Adult Inpatient Medical/Surgical Admissions

Outcomes
Trend 2016:2017
Increased
Retention overall
and decreased
Leakage across 4 out
of 7 Risk units



		%		Cost /
Risk Unit	Admits	Keepage*	ALOS	Admit
<u>'</u>	37	78.4%	3.9	
_	115	76.5%	3.8	_
_	43	74.4%	3.5	
_	84	71.4%	4.1	
_	35	68.6%	3.7	
_	68	66.2%	3.5	
_	29	51.7%	4.3	
_	31	45.2%	3.8	_
_	68	39.7%	4.2	
_	41	29.3%	3.9	_
	551	62.8%	3.9	

Q 3 Outcome on Care retention Performance metric 6 out of 7 pods meet metric

2016 CY: 2017 Jan - Oct

At Risk Population





Summary: Data Driven Population Health Program Strategy From Concept to System Wide Intervention



- Value based Goal
- Analytics driven problem identification
- Root Cause Analysis
- Workgroup Inception
- Data sharing and refining definitions and reports
- Best practice review
- Customized detailed intervention toolkit with clinical and local knowledge

- Customized interventions based on local feedback
- People
- -Process
- technology
- Identify clinical champions and execute
- Measuring improvement

- Expand solution to include across care continuum and system
- Trigger new potential areas for analysis, review and intervention

Continuous Pod Workgroup Review and Support





Questions? Thanks!

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