Capitation a bad word? Episode Management is not? Condition Based Payment is not?

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2019 AAHKS business meeting



Adult Reconstruction



Disclosure

- Personal
 - Royalties
 - Depuy
 - Consultant
 - Depuy
 - BOD and Committee
 - AAHKS, Hip Society

- Institution
 - Research and clinical support:
 - Depuy
 - Zimmer/Biomet
 - TJO
 - Stryker

Current Cost Growth is unsustainable

Projected Federal Spending on Medicare and Medicaid (% GDP)



It is the rate of spending per individual that will have the most impact, rather than the quantity / demographics of an aging population.

"Excess cost growth" refers to the extent to which the increase in health care spending for an average individual exceeds the growth in
per capita GDP.

 "Interaction..." refers to effects of excess cost growth and the aging of the population, which result in greater growth in spending than would result from either factor separately.

"Aging of population" refers to demographic shifts, such as an increasing average population age and life expectancy.

Source: Congressional Budget Office





Vision for Care Reform

Significant opportunity to improve comprehensive care for chronic musculoskeletal conditions

Development of Alternative Payment Models that align with comprehensive management



Aren't Bundles enough?

- They have produced cooperation between different providers
- They have reduced the cost of the episode
- Improved the quality of the product
- But they have not decreased utilization (in fact it may have increased)
- They have not contributed to comprehensive mgmt. of the disease



Expand upon procedural bundles and better engage specialists in populationbased payment reform





Longitudinal Care Continuum





Condition-Based Orthopaedic Payment Reform







Prepared for: October 21, 2019

Condition-based bundles address appropriateness of

surgical treatment



TKA = Total Knee Arthroplasty

¹PLosina, Elena et al. "The Dramatic Increase In Total Knee Replacement Utilization Rates In The United States Cannot Be Fully Explained...". JBJS 94(3), 2012. ²Riddle, Daniel L. et al. "Use Of A Validated Algorithm To Judge The Appropriateness Of Total Knee Arthroplasty In The United States: A Multicenter Longitudinal Cohort Study". Arthritis & Rheumatology 66(8), 2014.





There are also opportunities for resource reallocation from non-surgical utilization

Concrete opportunities to shift care from Surgical Procedures and Non-Evidence-Based Services toward Clinical Practice Guidelines

Decrease:

- Hyaluronic acid injection
- Arthroscopy
- Magnetic Resonance Imaging
- Inappropriate joint arthroplasty

Increase:

- Nutrition services
- Behavioral health services
- Physical and Occupational Therapy
- Care coordination, case management





Opportunity to incorporate Patient Reported Outcome Measures to inform appropriate clinical decision making

Knee injury & osteoarthritis outcome score (KOOS) threshold predicts the likelihood of benefit with knee replacement surgery→ score of 58+ lowers chance of benefit.



Drill down to personalized Shared Decision Making









Longitudinal Care Continuum Concept 1

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Longitudinal Care Continuum - Concept 2



Evidence-Based Guidelines = Reductions in Unwarranted Clinical Variation

Opportunity Not Addressed by Current Payment Models

- Reduce inappropriate surgical utilization
- Reduce Non-Evidence-Based Services
- Enhance OA and Spine care through PROs, shareddecision-making, care coordination, lifestyle and behavioral health support

Turn to butter?

- System has allowed us to compensate for decreased reimbursement by increasing volume
- Evidence of less indicated surgeries
- Evidence of patient dissatisfaction after surgery (TKA)
- Evidence of complication and readmission rates



Sam and the Tigers – 1996 Jerry Pinkney





Current State of OA Care Surgeons are Primary Providers Minority undergo joint replacement





All arthritis compared to other conditions

Table 4: Total Expenses and Percent Distribution for Selected Conditions by Source of Payment: United States, 2014

	Total	Percent distribution of total expenses by source of payment				
Conditions ^a	Expenses (in millions)	Out of pocket	Private insurance ^b	Medicare	Medicaid	Other ^c
Mental disorders	110,015.77	11.0	26.5	23.7	30.1	8.7
Heart conditions	105,411.90	5.7	27.1	54.1	7.2	5.8
Trauma-related disorders	100,169.81	6.7	39.6	29.1	8.4	16.2
Diabetes mellitus	91,262.16	7.8	24.6	30.9	15.8	20.8*
Cancer	87,818.46	4.4	44.1	32.5	4.4	14.6*
COPD, asthma	82,392.43	8.3	28.7	38.4	19.1	5. 6
Osteoarthritis and other non- traumatic joint disorders	80,250.21	0.6	30.4	37.5	12.7	8.8
Hypertension	50,351.12	12.8	24.4	45.0	9.9	7.9
Back problems	47,736.54	12.0	34.6	30.3	8.8	14.4
Infectious diseases	40,846.56	6.2	46.6	27.9	13.1*	6.3*





Payment Model Key Design Features

Target Patient Population

- 1. hip or knee osteoarthritis
 - 2. low back pain with radiculopathy

Payment Model Key Design Features



Trigger Criteria

- 1) **Diagnosis**: Target dx
- 2) Management: Eval & Mgmt Visit
- 3) **Patient-reported dysfunction**: Documented patientreported functional limitations (e.g. PROMIS, HOOS, KOOS, ODI)
- 4) **Objective evidence**: e.g. of joint degeneration through radiograph including severity
- 5) **Localized orthopaedic disability**: documented localized dysfunction by physical exam



Payment Model Key Design Features

Accountable Entity & Duration

Voluntary Participation

Surgeon (orthopaedic) included in Accountable Entity

<u>One-year</u> episode, renewed for subsequent years at appropriate (lower) rate

Conclusion

- CMS (through CMMI) and Private Insurers feel Alternative Payment Models are the way forward
- Expect to see pilots in the next 2 years
- Consider strongly building a network that can exist in the current FFS environment, but can help you manage larger cohorts of patients
 - Complete evaluation (psychologic and other comorbidities)
 - Diagnostic modalities
 - Musculoskeletal and Cognitive Behavioral Strategies



Duke Orthopaedic Surgery

Moving forward. Climbing higher.





Conceptual Payment Model Design

Episode Objective: Condition-based management of chronic orthopaedic conditions, including non-operative and operative services





What is an Alternative Payment Model?

An **Alternative Payment Model (APM)** is a payment approach that ties payments to the delivery of high-quality and cost-efficient care.

APMs can apply to a specific clinical condition, a care episode, or a population.



- Slides about Hip/Knee replacement is CMS's biggest line item
- Their goal is to decrease their number of TJA paid for
 - Bundles have not done that provider and hospital still incentivized to do more



Discussion – key payment model parameters

• Episode parameters

• Episode Payment

• Data and Quality Measurement



Discussion – Episode Payment (1/2)

Accountability and Attribution

• Q11. Who exactly should be accountable for the episode?

Structure

- Q12. Should the discrete components of longitudinal care be paid distinctly, or lumped together?
- Q13. What should be done for a patient who appropriately needs surgery at the start of an episode?
- Q14. What should happen in cases where relevant services are sought with other providers during episode?

Model Overlap

- Q15. How can condition-based episode payment nest or co-exist with ACOs / primary care risk model?
- Q16. How can condition-based episode payment nest or co-exist with procedural bundled payments?



Discussion – Episode Payment (2/2)

Episode Risk Adjustment

- Q17. How do we best stratify risk, perform risk adjustment using metrics collected in current systems?
- Q18. From what data can / will risk-adjustment be calculated?
- Q19. How should we stratify risk and perform risk adjustment ideally?

Episode Pricing and Incentives

- Q20. How can we incorporate site of services and facilities into the payment structure?
- Q21. Reaction to single, risk-adjusted pre-defined episode price irrespective of admission status?
- Q22. How should we reconcile current variations in contract rates in the benchmark?
- Q23. What are the optimal incentive structures for these payment models (e.g. nature, timing)?



Discussion – Data and Quality Measurement

Data and Operations

- Q24. What should the data / outcome measurement infrastructure look like?
- Q25. Extent PCPs / orthopaedic practices have inter-operable systems with each other & payers?

Quality Metrics

- Q26. What quality metrics are critical for clinical success? What is currently used for MSK payments?
- Q27. Which data should be standardized / available (in EMRs), and which acquired from other sources?
- Q28. What meaningful data could (and should) be shared between payer and provider?



Ongoing Private and Public Development of APM

- Duke/Dell Model Development
 - January 2018: Duke-Margolis initial payment model meeting in Washington, DC
 - Ongoing meetings with payers, providers, other stakeholders for input
 - September 2018
 - February 2019
 - April 2019
 - June 2019
- CMMI Listening Sessions
 - May 2019
 - June 2019







Discussion – Episode Parameters

Trigger

- Q1. What would be suitable episode trigger(s) in this model?
- Q2. Which provider types can trigger an episode of care?

Duration and Conclusion

- Q3. How long should the episode of care be?
- Q4. What happens to patients still needing care after episode ends?
- Q5. What happens when payment is cancelled / there are enrollment changes while still seeking care?

Relevant Services

- Q6. How should desired (i.e. appropriate, high-value) services be identified / included / increased?
- Q7. How should <u>un</u>desired (i.e. inappropriate, low-value) services be identified / excluded / decreased?
- Q8. Should the condition-based payment model enforce a minimum service requirement?
- Q9. How should patients meeting appropriateness criteria for surgery be managed in the model?
- Q10. How should patient engagement / risk factor modification be fostered within the care plan?





Current payment models do not effectively address needed specialized reform

		 6-9% of payments for non-evidence-based care² 			
Appropriateness	 Increase evidence-based, non-operative services Incentivize appropriate use of surgical services 	Bundled payment, FFS models do not address appropriateness			
Comprehensive Care	 Patient education and activation for weight loss, exercise, nutrition, pain management skills, tobacco cessation, and cognitive and behavioral th erapy 	Lack of incentives for building multi-disciplinary teams focused on outcomes that matter to patients			
Longitudinal Management of Chronic Condition	 Establishing provider accountability for coordinated care from diagnosis through definitive treatment, maintaining patient choice 	Fragmentation of MSK Care (PCP, Ortho, PT, other)			
Patient- Centered Approaches	 Use of clinical tools and aids to focus decision-making and treatment goals Supporting clinicians through selection, timing, sequence, duration, and intensity of services 	Lack of incentives for PROs, patient preferences, shared decision-making tools			

¹Riddle, et al. Arthritis Rheum. 2014. ²Internal analysis of Medicare claims data.

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