



Employer Perspectives: Reference Pricing as Substitute and Complement to Episode Payment

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Overview

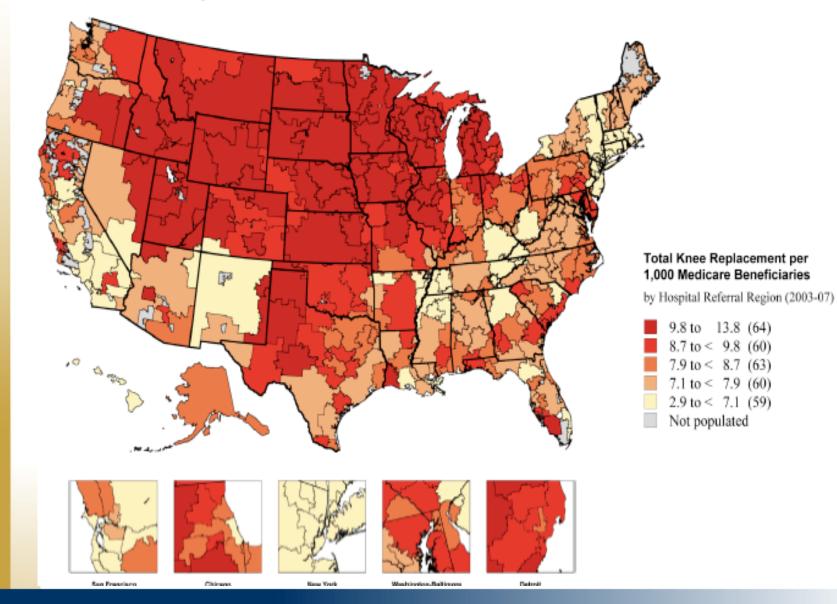


- The problem, as viewed by payers
- Episode of care payment and its limits
- Reference pricing as a partial solution
- Impact of reference pricing in orthopedics

The Problem, as Viewed by Employers

- Unjustified variation in rates of procedures
- Unjustified variation in procedure prices
- Unjustified variation in device prices
- Unjustified variation in patient outcomes

Inadequate Attention to Appropriateness: Rate of Total Knee Replacement in Medicare Beneficiaries



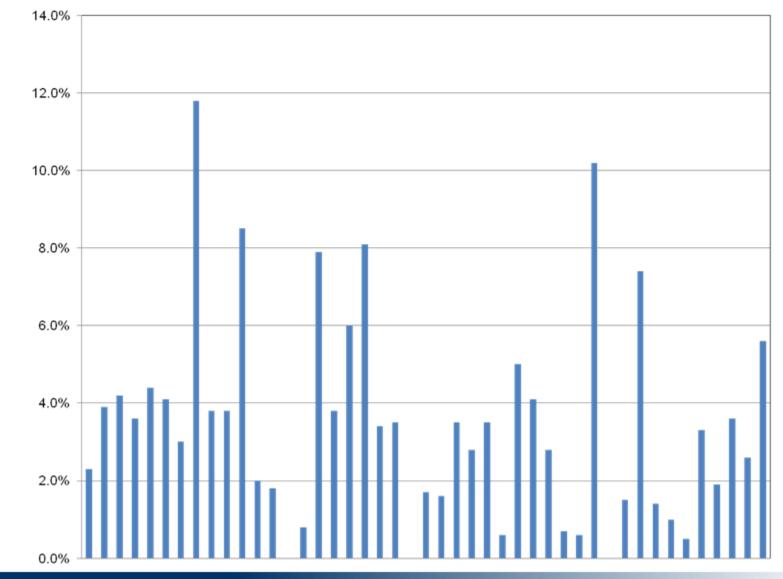
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Inadequate Attention to Costs: Knee Replacement Surgery in California Hospitals

	Device Cost	Total Surgical Cost	Device Cost as % of Medicare FFS Reimbursement	Device Cost as % of Commercial HMO/PPO Reimbursement	
1st percentile	\$1,797	\$7,668	13%	4%	
25th percentile	\$4,166	\$10,590	29%	18%	
median	\$5,071	\$12,619	36%	29%	
75th percentile	\$6,977	\$14,969	51%	40%	
99th percentile	\$12,093	\$24,476	126%	119%	

Number of Hospitals	45
Number of Patients	6,848

Inadequate Attention to Quality: In-Hospital Complication Rate for Knee Replacement Surgery, California



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Episode Payment: Goals of Payers

- 1. Appropriateness: EOC should be combined with MD and hospital commitment to appropriate choice of therapy: Center of Excellence
- 2. Choice of hospital: Hospital EOC payment should not only be bundled, it should be affordable relative to competing facilities
- **3.** Choice of implant: EOC payment gives physician incentives for gain-sharing,
- Service line efficiency: EOC gives incentive for physicians and hospital to cooperate on OR turnaround, post-op care, discharge planning

Limits to Episode Payment, as Viewed by Payers

- Why should providers charge a low, rather than a high, EOC price?
- Won't EOC payment encourage consolidation and price increases?
 - There needs to be price transparency so that consumers understand prices
 - There needs to be cost sharing so that consumer pays the difference between the high and low-priced provider
 - This will motivate providers to reduce cost & raise quality

Reference Pricing as Support for Episode Payment

- Employer/insurer sets a maximum payment limit (reference price) for procedures
 - Limit is set high enough to ensure that there are sufficient providers that charge a price below the limit
- Extensive communication to employees/enrollees on which providers charge above/below the limit
- If enrollee chooses provider above limit, he/she pays 100% of difference (no OOP maximum)



Case Study of Reference Pricing

- CalPERS PPO enrollees undergoing knee/hip replacement, 2008-12
 - Reference price implemented January 2011
- Control group: non-PERS Anthem enrollees

Outcome measures:

- Change in consumer choice of hospital
- Change in hospital pricing
- Change in consumer cost sharing
- Change in expenditures for PERS

Volume of Knee and Hip Replacement Surgery in High-Priced and Low-Priced Hospitals: 2008-2012

	2008	2009	2010	2011	2012*
PERS Members					
Total number of patients	402	428	485	447	278
Patients in VBPD facilities	214	214	231	280	178
Patients in non-VBPD facilities	188	214	254	167	100
Anthem PPO Members (non-PERS)					
Total number of patients	1824	1685	1786	1801	1108
Patients in VBPD facilities	1009	934	984	919	596
Patients in non-VBPD facilities	815	751	802	882	512

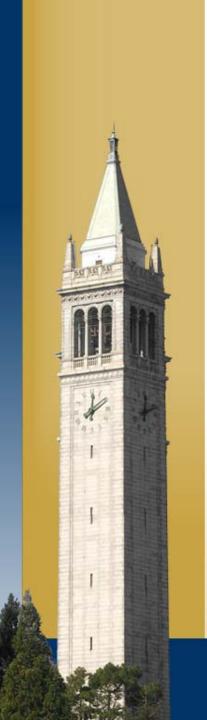
*Through September 2012 only.

VBPD: Value Based Purchasing Design facility

Prices Charged for Knee and Hip Replacement Surgery in Hospitals According to Designation by PERS as High-Value or Low-Value: 2008-2012

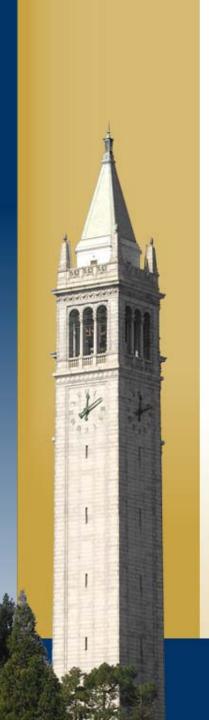
	2008	2009	2010	2011	2012*
PERS Members					
All facilities	28,636	34,260	34,742	25,611	25,471
VBPD facilities	22,640	26,449	25,324	23,910	24,528
Non-VBPD facilities	35,461	42,072	43,308	28,465	27,149
Anthem PPO (non-PERS)					
All facilities	25,295	29,280	31,072	30,739	30,783
VBPD facilities	20,102	21,984	23,858	24,897	26,192
Non-VBPD facilities	31,724	38,354	39,923	36,826	36,127

*Through September 2012 only. VBPD: Value Based Purchasing Design facility



PERS savings, compared to what would have been paid without Reference Pricing

- 2011 : -19,6% (\$2.8 million)
- 2012 : -18.6% (\$2.7 million)
- Cumulative savings: \$5.5 million



Decomposition of Savings

2011 : \$2.8 million

- 15.4% due to market share growth at VBPD hospitals
- 84.6% due to reduction in prices (both VBPD and non-VBPD hospitals)

2012 : \$2.7 million

12.9% due to market share growth at VBPD hospitals 87.1% due to reduction in prices (both VBPD and non-VBPD hospitals)

Conclusion

- Payers see unjustified variation in use, prices, and outcomes for orthopedic surgery
- Bundled payment: incentives for providers
- Reference pricing: incentives for patients
- Provider and consumer incentives need to be designed together to drive efficiency

