Performance Payment: Never Pay for Never Events: Including Readmissions in Medicare's (non-payment for) Hospital Acquired Conditions Policy

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Thank you



Agenda

Funding policy – incentives Hospital Acquired Conditions (HAC) policy background Review of the limited financial impact of the cur 0 Impact of non-p readmissions Policy implications.

Aims of funding policy

Allocative efficiency **Right resources, right place, right** time. **Activity based funding (casemix)** policies do this well **Technical efficiency** -More bang for your buck; -Use incentives to drive change

Getting more bang for your buck

Doingless unnecessary work E.g. reducing complications Improving quality may reduce care costs Change / transition is expensive **Cost reduction - rarely** demonstrated

Aligning MD's & administrators

MDs have incentives for good care

- They care for patients
- Self-esteem = good clinical outcomes
- Poor patient outcomes threaten credentials

Administrators tend to focus on cost
 Usually working to keep MDs onside
 Tenure hinged on financial outcomes



Ql engagement



HAC policy attempts to create incentives that engage administrators in quality improvement



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Mant A, Intelligent leadership. Allen & Unwin, 1997

Hospital Acquired Conditions Policy

Implemented in 2008
Cost cutting measure (DRA)
Initial proposal non-payment for 8 HAC
HAC - proven to be preventable
Implemented using 10 HAC
Huge media attention



HACs (never events?)

Foreign objects retained after surgery
 Air emboli (arising from a medical or surgical procedure)
 Incompatible blood transfusions



HACs (Nursing sensitive?)

Pressure (decubitus) ulcers stages III & IV (DU) Catheter-associated urinary tract infections (CAUTI) Vascular catheter-associated infections Fractures and other physical injuries sustained during inpatient care



HACs (MD sensitive?)

 Poor (inpatient) glycemic control
 DVT or PE following orthopedic surgery
 Surgical site infections

 mediastinitis following CABG surgery
 infections from specific orthopedic or bariatric surgery



IPPS pays by cost weight

Payment by relative resource use
 Logical calculation

 Coronary bypass (CW = 3.6151)
 Appendectomy (CW = 0.8929)



Medicare's IPPS payments

Two main steps:setting relative cost weightsallocating payments using:

cost weight x hospital-specific price



Cost weights

 Group admissions into diagnosis related groups (DRGs) based on Dx & Procs
 Hospital cost estimated for each admission

- Hospital cost estimated for each admission based on charges
- Cost weight:

average cost of DRG admissions average cost of all admissions

A cost weight is a measure of relative resource use by hospitals



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Cost weight examples

DRG 550 - Coronary bypass w/o cardiac cath w/o major CV (3.6151)
 DRG 167 - Appendectomy <u>w/o</u> cc (0.8929)
 DRG 166 - Appendectomy <u>with</u> cc (1.4521)



Medicare's (Non-)payment strategy

Delete HAC diagnosis codes
 Aim to reallocate admission from DRG+CC to DRG-CC
 Results in payment reduction?



Method – HAC impact model

Use 2006 California OSHPD data
Includes Dx, Proc & POA codes
Calculate the HAC policy payment change
Modeled 8 HAC (current panel)

Results

HAC in 0.11% of discharges (potential) impact) Only 0.003% of discharges actually impacted Nationwide impact - 0.001% - 0.003% of payments (\$1.1 - \$2.7m) Average per hospital - << 1 HAC discharge</p> - < \$500



Impact

■CMS: Yr 1 = \$20m; Yr 2 = \$50m Our calculated impact – much smaller Irrespective, small financial impact (~0.001% of \$106bn) Costs exceed payments in HAC discharges (>30%) Policy adds insult to injury



Further reading

MARKET WATCH

Market Watch

Medicare's Policy Not To Pay For Treating Hospital-Acquired Conditions: The Impact

The financial impact of the policy so far is small, but the public attention it has attracted may lead to improved quality.

by Peter D. McNair, Harold S. Luft, and Andrew B. Bindman

ABSTRACT: In 2008 Medicare stopped reimbursing hospitals for treating eight avoidable hospital-acquired conditions. Using 2006 California data, we modeled the financial impact of this policy on six such conditions. Hospital-acquired conditions were present in 0.11 percent of acute inpatient Medicare discharges; only 3 percent of these were affected by the



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Health Affairs, Sep/Oct 2009. 28(5):1485-94

And in addition ...

PERSPECTIVE

Perspective

The Policy On Paying For Treating Hospital-Acquired Conditions: CMS Officials Respond

Medicare payment reductions for these cases are only one way in which the agency is influencing the quality of care.

by Barry Straube and Jonathan D. Blum

ABSTRACT: Policies that decline payment in the event of hospital-acquired conditions have generated considerable public attention. Although the projected payment reductions



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Health Affairs, Sep/Oct 2009. 28(5):1494-7

The perfect paper tiger?

High outrage => high attention => high clinical awareness

- Small financial impact => limits risk for vulnerable (small rural) hospitals
- Cost predominantly political capital for CMS
- True savings HAC prevented rather than reduced payments
- Will the HAC policy provide the impetus for a long-term reduction in HAC?
 Are more robust incentives required?



HAC policy incentive

Mediastinitis finding

- Nine admissions with CABG and mediastinitis
- No HAC policy impact
- 28 (re)admissions for mediastinitis probably post CABG

How many HAC's are missed because they arise after discharge?



Incidence of readmissions

22% of Medicare hospitalizations readmitted within 60 days (1974 -7 data; Anderson et al)

- 19.4% admissions followed by a preventable readmission within 6 months (1999 data; Friedman et al)
- 19.6% of acute hospital discharges readmitted within 30 days (2003-4 data; Jencks et al)

1.5% of admissions treat direct complications of clinical care (2.5% of acute inpatient funding)
 Flagged as a priority by MedPAC



Readmissions Study

Define and quantify acute inpatient readmissions that directly arise from, or complete the definition of, a HAC.

That is, expand the period over which HAC are detected without expanding the clinical definitions of HAC



Method

2006 & 2007 OSHPD PDD Index admissions: 1Jul06- 30Jun07 (4.0m) No admission in previous 6 months SSN based RLN to identify read All 10 HACs (ou TROP cost Estimate payment using previous mode Exclude cases <\$100 from cost/payment analysis

HAC readmission definitions

Same day readmission or transfer Acute complications of diabetes management Seven day readmission or transfer Air Embolism (arising from a procedure) Incompatible blood transfusion, age > 1 yr CAUTI VasCath Infection (+Sepsis) 30 day readmission or transfer Orthopedic DVT/PE (no SNF transfers)



HAC readmission definitions

183 day readmission

- Mediastinitis following CABG
- Foreign object retained after surgery (sepsis with a retained foreign body code)
- In-hospital falls and trauma
- Orthopedic infection
- Bariatric infection
- Decubitus ulcer (stage I-IV) where DU arose during previous admission (not transferred from SNF)



Results

All HAC	Medicare	Total
Cases meeting current HAC policy	4,761	7,363
Additional readmission cases	647	1,411
Readmissions to another hospital	194	396
Additional Medicare payments (\$m)	\$11.4	\$25.8
Estimated total cost (\$m)	\$24.2	\$62.9

- 4,007,791 index admissions
- RLN for 76%
- Findings varied dramatically by HAC



Few readmissions detected

Incompatible blood transfusion (0)
 Bariatric infection (0)
 CAUTI (0)
 Air embolis (5)
 Orthopaedic DVT/PE (6)
 VasCath infection (6)



VasCath Infection

■ 344 records (182) where VasCath infection is reason for admission - no admission in previous seven days. Excludes sepsis+Vascath readmits Estimated payment is \$5.3m (\$2.9m). Estimated cost is \$6.1m (\$3.2m). Community care or ambulatory care acquired?



Results - Complication of diabetes management

Poor glycemic control	Medicare	Total
Cases meeting current HAC policy	80	221
Additional readmission cases	4	32
Readmissions to another hospital	4	29
Additional Medicare payments (\$m)	\$0.02	\$0.2
Estimated total cost (\$m)	\$0.03	\$0.2



Results - DU

Decubitus ulcer	Medicare	Total
Cases meeting current HAC policy	2,899	4,361
Additional readmission cases	30	37
Readmissions to another hospital	23	24
Additional Medicare payments (\$m)	\$0.5	\$0.6
Estimated total cost (\$m)	\$1.3	\$1.6



More DU results

- 1,296 readmissions to treat a DU that arose on the same body area in a previous admission
- DU rarely reason for readmission
- 391 cases DU not POA -> current policy. Of these:

- 65 are same day readmissions (transfers)

- 26 are readmissions within 7 days.



Results - Foreign object retained after surgery

Retained foreign object	Medicare	Total
Cases meeting current HAC policy	45	145
Additional readmission cases	21	87
Readmissions to another hospital	0	1
Additional Medicare payments (\$m)	\$0.3	\$1.4
Estimated total cost (\$m)	\$0.7	\$3.1

Reason for (re)admission:
Removal of foreign body (proc) – 9 (4)
Sepsis - 3 (1)
Post-operative infection – 8 (5)



Results – Mediastinitis

	Mediastinitis post CABG	Medicare	Total
	Cases meeting current HAC policy	8	15
	Additional readmission cases	29	46
	Readmissions to another hospital	7	14
	Additional Medicare payments (\$m)	\$1.2	\$1.7
	Estimated total cost (\$m)	\$3.0	\$4.4
	Two admissions for Mediastin readmissions post CABG	itis and CA	BG are
	41 patients; 3 admitted twice; 1 admitted 3 times within 183 days		
40/41 initial readmissions are within 60 days Palo Alto Medical Foundation A Sutter Health Affiliate			

Results - In-hospital falls and trauma

In-hospital falls and trauma	Medicare	Total
Cases meeting HAC policy definition	1,126	1,529
Cases that are likely readmissions	92	119
Readmissions to another acute hospital	44	60
Medicare equivalent payments (\$m)	\$1.5	\$1.9
Estimated total cost (\$m)	\$3.4	\$4.5

Note: cases detected where inpatient injury = principal readmission diagnosis
 Eighty-two percent (97/119) same day readmissions (i.e. transfers) to other acute care



Results - Orthopedic infection

Orthopedic infection	Medicare	Total
Cases meeting current HAC policy	57	157
Additional readmission cases	464*	1,073**
Readmissions to another hospital	117	262
Additional Medicare payments (\$m)	\$7.8	\$19.6
Estimated total cost (\$m)	\$15.5	\$48.8

 * Twenty cases - subsequent orthopedic procedure
 ** Sixty cases - subsequent orthopedic procedure
 175 cases (74) involve prosthesis infection (?osteomyelitis).



Results - Summary

Nationwide* impact:

- \$232m (\$103m; Medicare) reduced payments
- \$565m (\$203m) in costs for hospitals
- Larger Medicare impact (50-100 fold; \$103m/106bn)
- ~80% impact (\$21m/\$26m; \$9m/\$11m) is mediastinitis or <u>orthopedic infection</u>
- How often across all orthopedics?
- Role for orthopedic (not just joint) registry



Study limitations

Does not include readmissions arising from same day admissions

Hampered by coding accuracy and capacity

- DU & VasCath definitions
- POA
- Left versus right
- Emergency surgical closure?
- Subject to perverse incentives



Never pay for never events?

If never events should never happen then why should we pay for them? Hospital (non-community) acquired conditions should trigger payment modification (or exclusion) Initiating health care organisations take responsibility for never events.



HAC of ambiguous etiology

Poor glycemic control
 Decubitus ulcer
 Catheter associated UTI
 Falls & injuries

Current coding elements limit capacity to link readmission to care related event

No ambiguous etiology for transfers



Nosocomial events

Conditions that are rarely, if ever, community acquired include:

- foreign object retained after surgery;
- incompatible blood transfusion;
- air embolism arising from a medical or surgical procedure;
- vascular catheter infection;

 mediastinitis following CABG surgery; and
 infection following joint replacement or bariatric surgery.



Potential barriers

- Medicare has monopsony power; private insurers can't lead but could adopt Medicare policies
- Clawing back cost of (re)admissions to different hospital – difficult but not impossible
- Clinical coding standards are problematic; targeted auditing will be required



The policy challenge

It's about reducing unnecessary complications It's about improving outcomes for patients Financial disincentives for bad behavior may not be best strategy Look to engage professionalism



A way forward

 Non-payment for HAC related readmissions
 Claw-back DRG equivalent payments for readmissions & transfers for HAC treatment
 Reinforce with notification to CEO
 Move never event responsibility to initiating healthcare organisation, irrespective of setting



An alternative way forward

Image: Provencare Process (global fee)

Focus on joint replacement and mediastinitis

- Preventable
- Frequent
- High \$\$\$ and patient cost
- Limits fall-out to orthopedic & CT surgeons

No payment for 'never event' readmissions



And the PR war

Commit political capital to bringing about this reduction in HAC (if you're not upsetting anyone ...)

Focus publicly on

- Preventable complications are identified by clinical champions (MDs)
- Healthcare providers must take responsibility for their actions
- What is best for patients (complication reduction rather than cost reduction)



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HUIN