# Hospital Prices: Trends and Variation

CHAPIN WHITE SEPTEMBER 14, 2016

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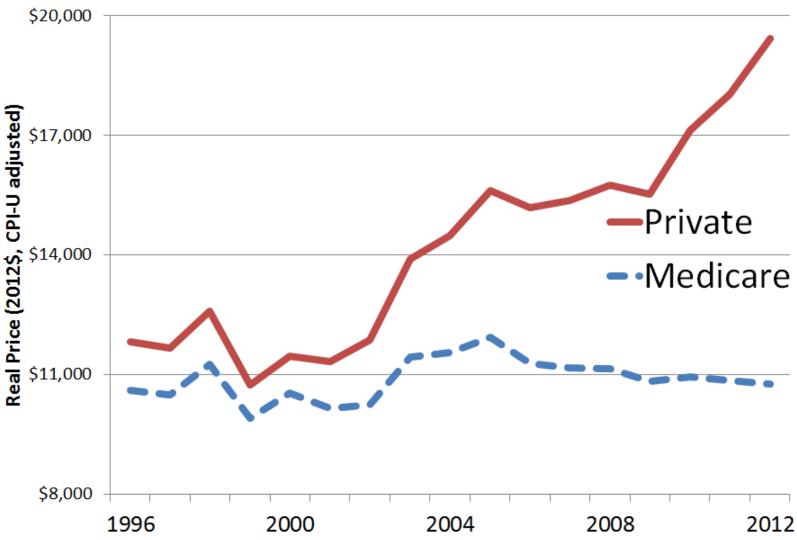


#### **Definitions**

- o "Price" equals payment per unit of service
  - o includes payments by the plan plus the patient
- Unit of service depends on the setting
  - hospital inpatient: stay
  - hospital outpatient: visit/service
- Casemix-adjusted

- Prices paid by private health plans
  - higher and growing faster than Medicare

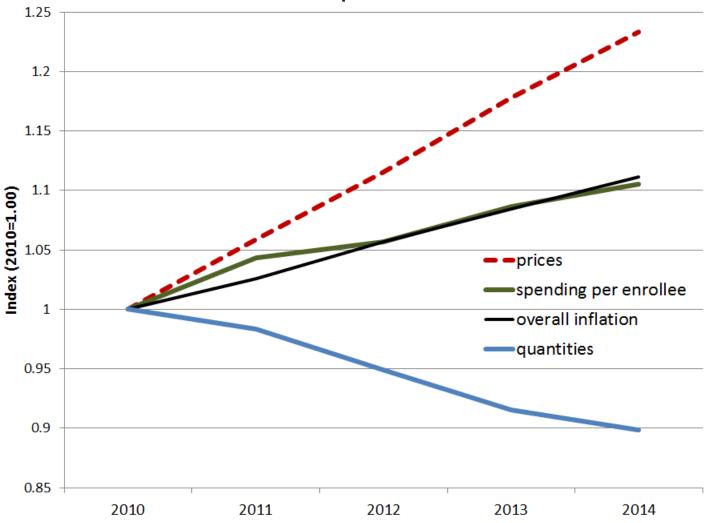




Source: Selden, et al., "The Growing Difference Between Public And Private Payment Rates ...," Health Affairs, 2015.

- Prices paid by private health plans
  - higher and growing faster than Medicare
  - o increased spending driven by prices, not utilization

# Since 2010, Prices Drive Spending Increases for Acute Inpatient Care

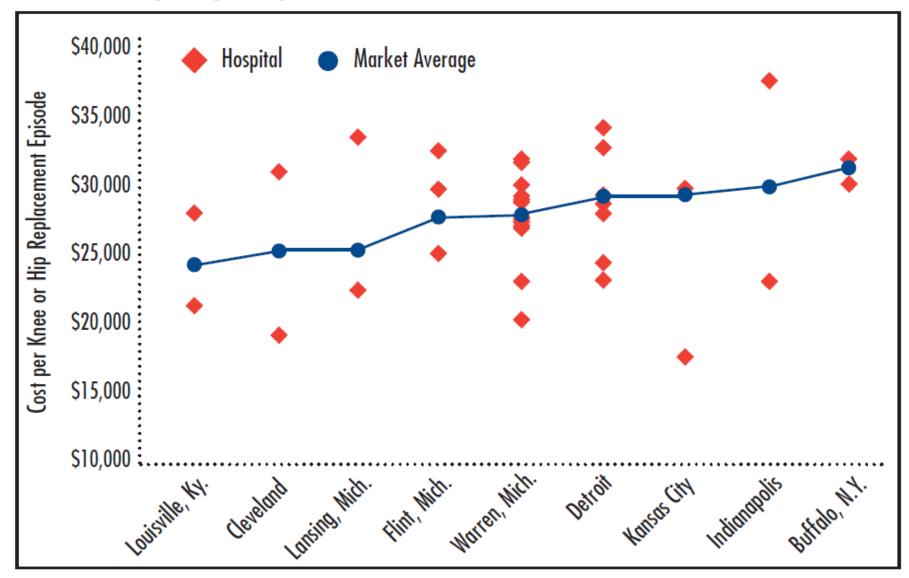


Source: Health Care Cost Institute, 2015, "2014 Health Care Cost and Utilization Report", <a href="http://www.healthcostinstitute.org/files/2014%20HCCUR%2010.29.15.pdf">http://www.healthcostinstitute.org/files/2014%20HCCUR%2010.29.15.pdf</a>. Note: "overall inflation" is the CMS market basket.

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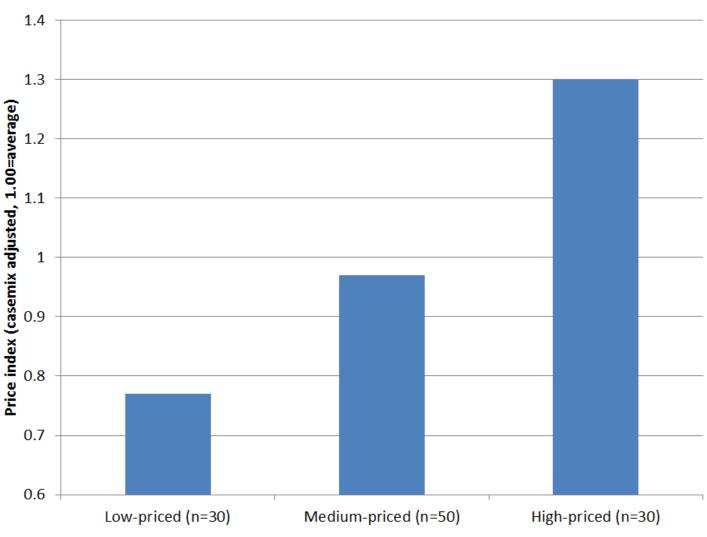
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  - oprice growth is driving increased spending, not utilization
  - vary widely from market to market, and within markets

# Variation in Spending for Knee and Hip Replacement Episodes for Privately Insured People by Hospital in Nine Markets



Source: White et al., 2014, "Inpatient Hospital Prices Drive Spending Variation ...," NIHCR.

## Prices Vary by +/- 30% Within a Market

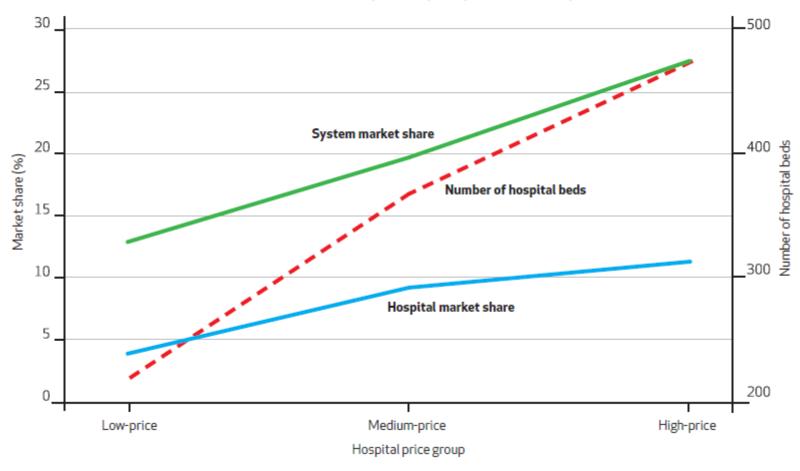


Source: White et al., 2014, "Understanding Differences ...," Health Affairs.

- Prices paid by private health plans
  - higher and growing faster than Medicare
  - oprice growth is driving increased spending, not utilization
  - vary widely from market to market, and within markets
  - tend to be higher at large hospitals offering specialized services

# High-priced Hospitals Tend to be Large, and Part of Even Larger Systems

Size And Market Share Of 110 Short-Term General Hospitals, By Hospital Price Group, 2011



Source: White et al., 2014, "Understanding Differences ...," Health Affairs.

What do we not yet know?

- Which hospitals are getting the highest prices?
  - are those prices in line with the value they're providing?

## Challenges in Measuring Hospital Prices

- Obtaining data can be difficult and expensive
- Payments are complex
- What is a reasonable benchmark?

#### How will we overcome these challenges?

- Participating employers will instruct their respective health plan to provide RAND with claims
- RAND will measure prices paid for hospital services relative to a Medicare benchmark
- RAND will create a hospital price report
  - posted online, freely downloadable
  - named facilities and systems
  - inpatient prices and outpatient prices
  - by service line, if data will support it

## The Inspiration

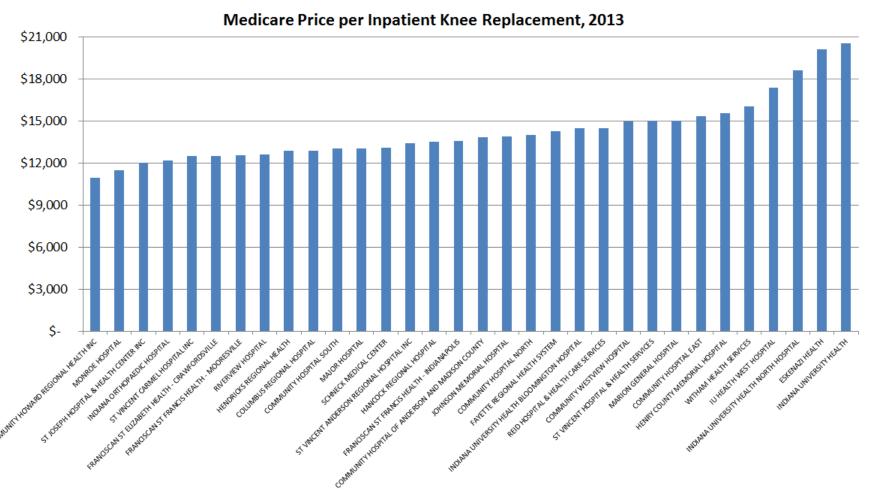
#### Medicare public use payment reports

								Average	Average		Ave	erage
	Provider		Provider Street		Provider	Provider	Total	Covered	Total		Medicare	
DRG Definition	Id	Provider Name	Address	Provider City	State	Zip Code	Discharges	Charges	Payments		Payments	
470 - MAJOR JOINT REPL	150001	JOHNSON MEMORIAL HOSPITAL	1125 W JEFFERSON ST	FRANKLIN	IN	46131	30	\$ 45,664	\$	13,922	\$	10,02
470 - MAJOR JOINT REPL	150005	HENDRICKS REGIONAL HEALTH	1000 E MAIN ST	DANVILLE	IN	46122	157	\$ 35,113	\$	12,907	\$	10,38
470 - MAJOR JOINT REPL	150007	COMMUNITY HOWARD REGIONAL HE	3500 S LAFOUNTAIN S	кокомо	IN	46902	35	\$ 44,109	\$	10,994	\$	9,91
470 - MAJOR JOINT REPL	150010	ST JOSEPH HOSPITAL & HEALTH CENT	1907 W SYCAMORE ST	кокомо	IN	46904	125	\$ 48,778	\$	12,066	\$	10,85
470 - MAJOR JOINT REPL	150011	MARION GENERAL HOSPITAL	441 N WABASH AVE	MARION	IN	46952	100	\$ 60,019	\$	15,063	\$	11,45
470 - MAJOR JOINT REPL	150022	FRANCISCAN ST ELIZABETH HEALTH -	1710 LAFAYETTE RD	CRAWFORDSV	IN	47933	37	\$ 62,577	\$	12,530	\$	11,38
470 - MAJOR JOINT REPL	150024	ESKENAZI HEALTH	720 ESKENAZI AVENU	INDIANAPOLIS	IN	46254	35	\$ 45,743	\$	20,115	\$	17,98
470 - MAJOR JOINT REPL	150030	HENRY COUNTY MEMORIAL HOSPITAL	1000 N 16TH ST	NEW CASTLE	IN	47362	122	\$ 43,349	\$	15,565	\$	12,11
470 - MAJOR JOINT REPL	150037	HANCOCK REGIONAL HOSPITAL	801 N STATE ST	GREENFIELD	IN	46140	70	\$ 39,444	\$	13,540	\$	10,66
470 - MAJOR JOINT REPL	150048	REID HOSPITAL & HEALTH CARE SERV	1100 REID PKWY	RICHMOND	IN	47374	257	\$ 34,605	\$	14,494	\$	12,27
470 - MAJOR JOINT REPL	150051	INDIANA UNIVERSITY HEALTH BLOOM	601 W SECOND ST	BLOOMINGTO	IN	47403	217	\$ 58,489	\$	14,489	\$	11,31
470 - MAJOR JOINT REPL	150056	INDIANA UNIVERSITY HEALTH	1701 N SENATE BLVD	INDIANAPOLIS	IN	46202	257	\$ 71,728	\$	20,538	\$	14,30
470 - MAJOR JOINT REPL	150057	FRANCISCAN ST FRANCIS HEALTH - M	1201 HADLEY RD	MOORESVILLE	IN	46158	717	\$ 43,376	\$	12,559	\$	10,03
470 - MAJOR JOINT REPL	150059	RIVERVIEW HOSPITAL	395 WESTFIELD RD	NOBLESVILLE	IN	46060	194	\$ 46,190	\$	12,654	\$	10,92
470 - MAJOR JOINT REPL	150064	FAYETTE REGIONAL HEALTH SYSTEM	1941 VIRGINIA AVE	CONNERSVILLE	IN	47331	11	\$ 36,628	\$	14,290	\$	13,32
470 - MAJOR JOINT REPL	150065	SCHNECK MEDICAL CENTER	411 W TIPTON ST	SEYMOUR	IN	47274	63	\$ 41,598	\$	13,094	\$	10,71
etc.												
etc.												

Source: https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Medicare-Provider-Charge-Data/Downloads/Inpatient\_Data\_2013\_XLSX.zip

### The Inspiration





### Why Use Medicare as a Benchmark?

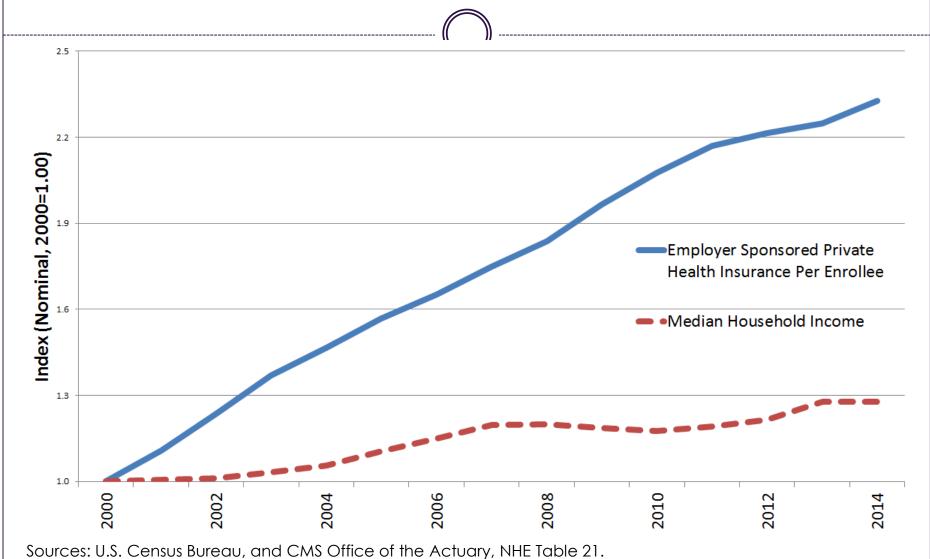
- Medicare prices intended to be fair
  - adjusted for local wages and casemix
  - adjusted for patient population
  - o intended to cover costs of an efficient provider
  - not subject to provider leverage
- Largest purchaser of health care in the world
- Sets industry standards
- Prices, and price-setting methods, are transparent

#### What Will We Not Do

#### We will not ...

- Reveal any patient's protected health information
  - RAND and participating health plans will have a BAA with stringent, HIPAA-compliant data safeguards
- Reveal terms of contracts between health plans and hospitals
- Measure prices for physicians, labs, Rx, ASCs, etc.
- Create new measures of quality or value

## Why Is This Project Important?



## Why Is This Project Important?

Unsustainable trends end, the question is how

- Big-picture options
  - better-functioning of health care markets
  - Medicare-like price setting

## Thank You!

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