

OVERVIEW OF HOSPITAL PAYMENT ISSUES AND OPTIONS

Harold D. Miller

President and CEO

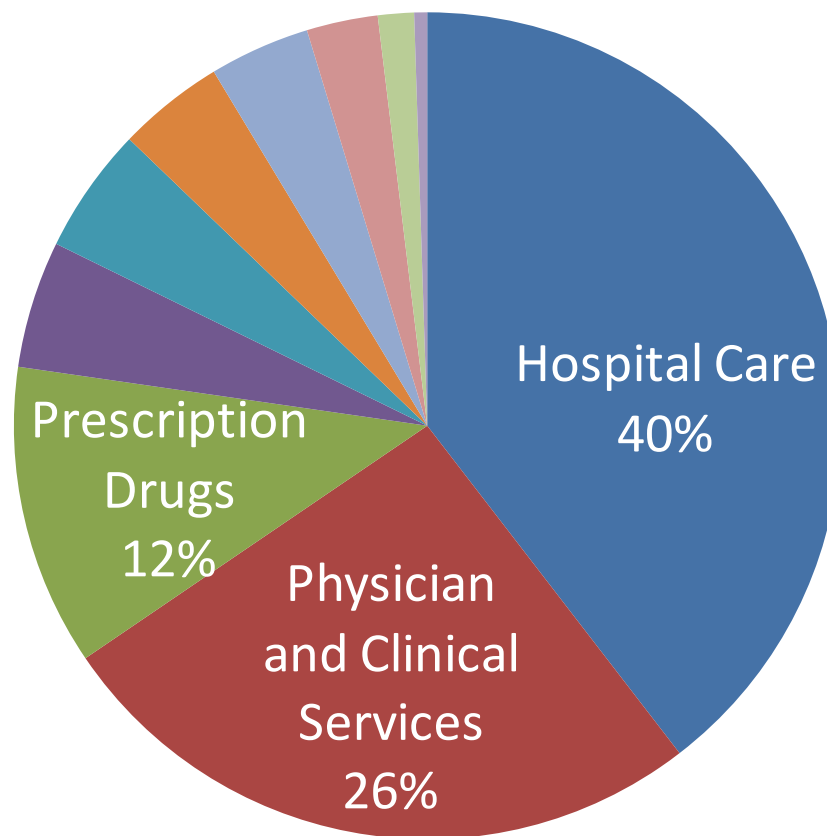
**Network for Regional Healthcare Improvement
and**

Executive Director

Center for Healthcare Quality and Payment Reform

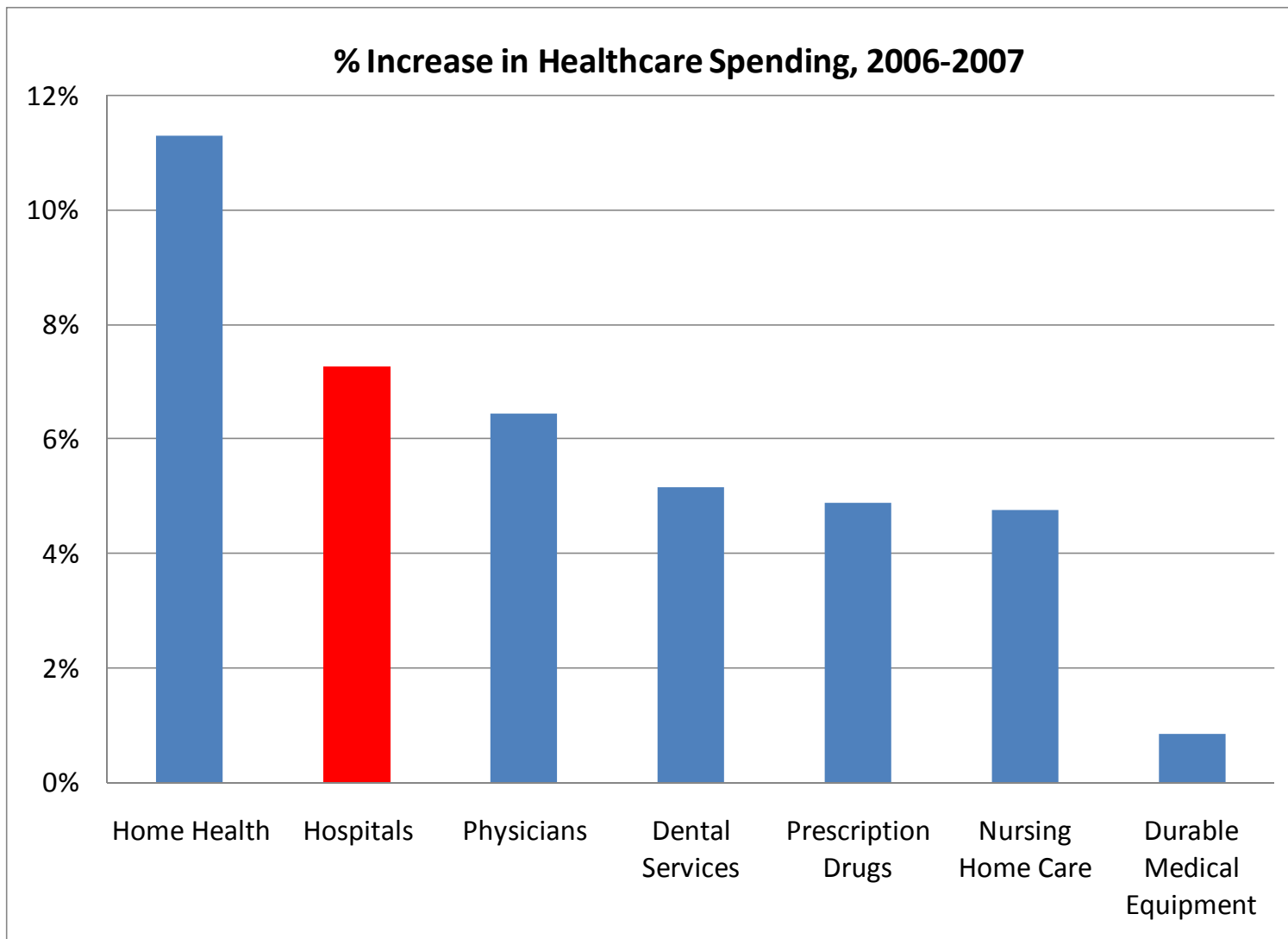
Hospitals Are the Biggest Source of Increased Health Spending

**Contributions to Increased Personal Health Spending,
2004-2007**



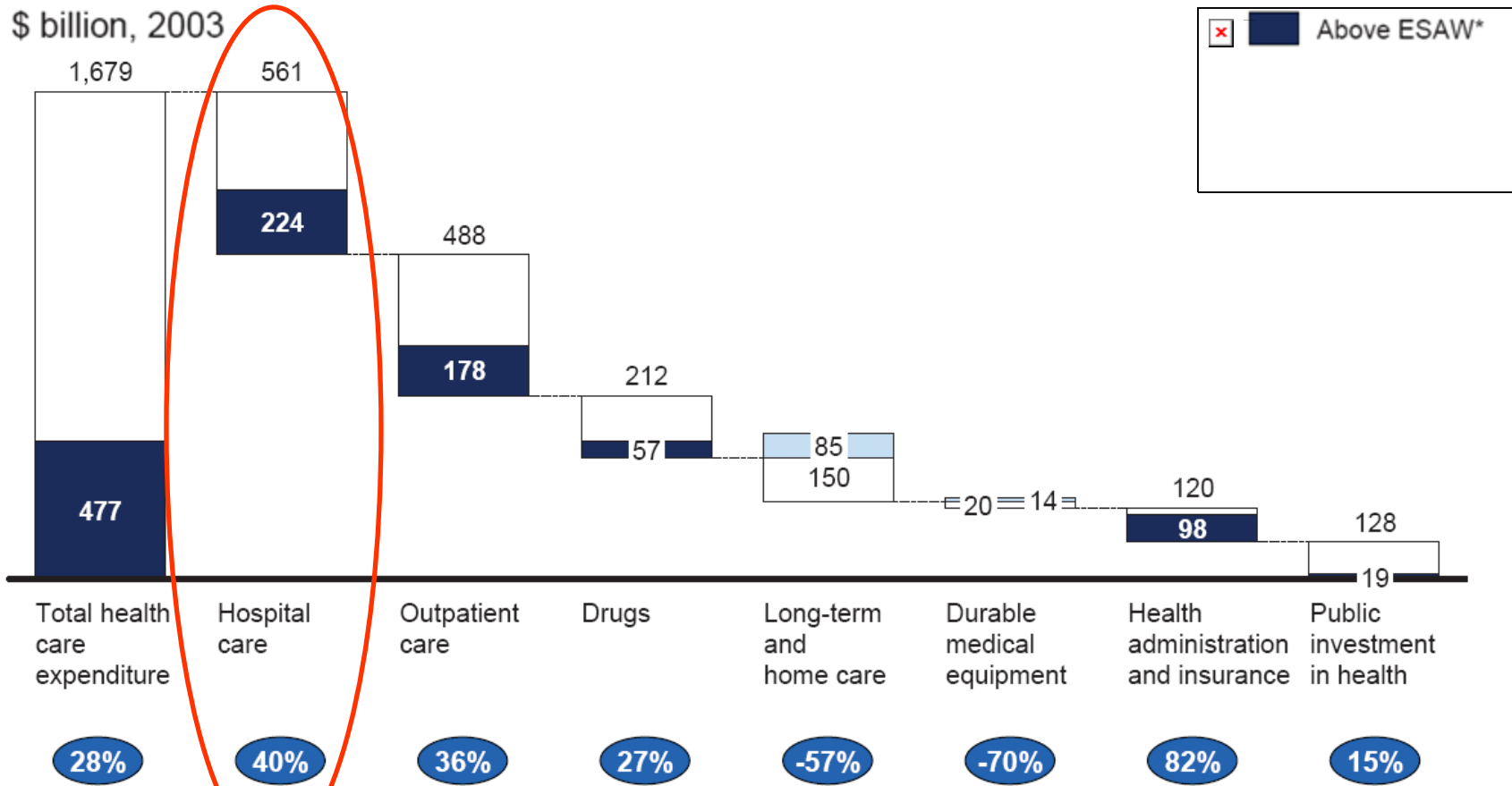
Hospital care contributed \$130 billion of the \$328 billion in increased personal health spending from 2004 to 2007

Hospital Spending Increasing Faster Than Most Other Services



Hospitals Are Biggest Difference in Spending from Other Countries

BREAKDOWN OF ADDITIONAL SPENDING IN US HEALTH CARE SYSTEM



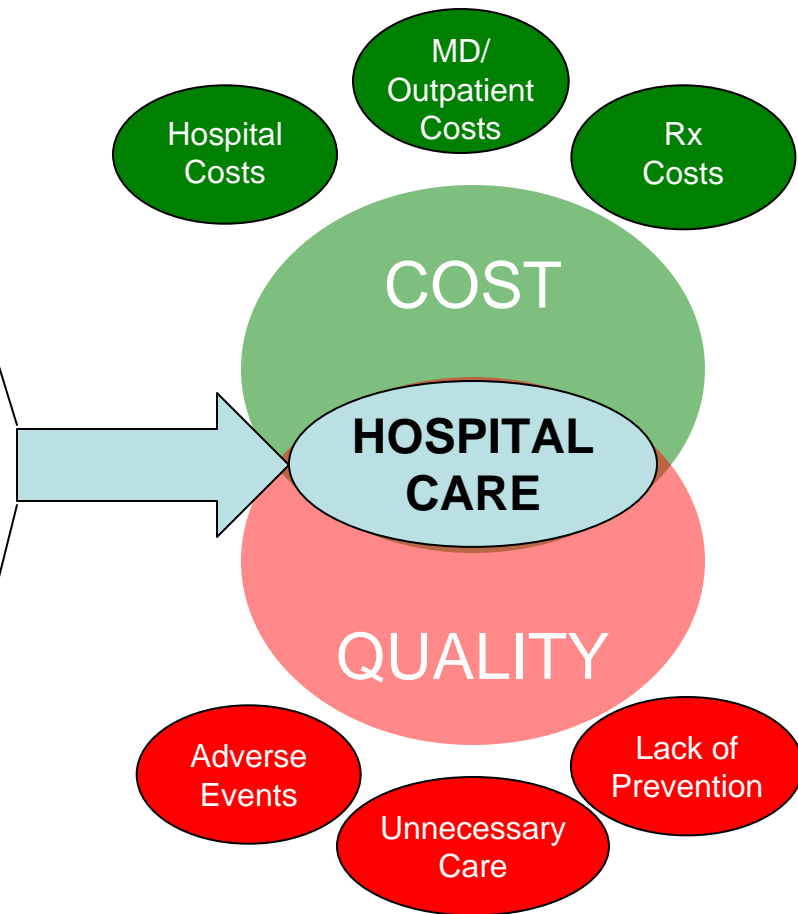
* Estimated spending according to wealth

Source: McKinsey Global Institute, "Accounting for the Cost of Health Care in the U.S."

nrhi Reducing Healthcare Costs Means Spending Less on Hospital Care



- Biggest share of spending (41% of private spending)
- High rate of increase in private spending (27% growth, 2004-2007)
- A significant share of MD costs are hospital-based
- Hospital costs are higher due to adverse events
- Many hospital admissions are unnecessary or preventable



Payment “Reforms” Being Discussed Today

- Cutting payment rates for hospitals
- Hospital price regulation
- Instituting pay-for-performance (P4P) for hospitals
- Penalizing hospitals for readmissions
- Refusing payment for infections and adverse events
- Bundled payment
- Episode payments
- Global payments
- Capitation

The Health Care Cost Equation

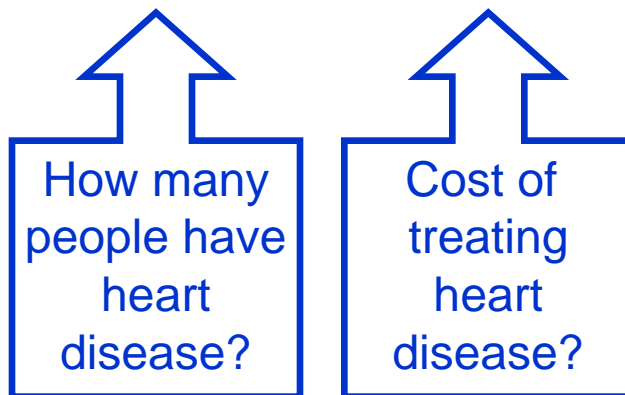
VARIABLES CONTRIBUTING TO THE COST OF CARE

$$\frac{\text{Cost}}{\text{Person}} =$$

The Health Care Cost Equation

VARIABLES CONTRIBUTING TO THE COST OF CARE

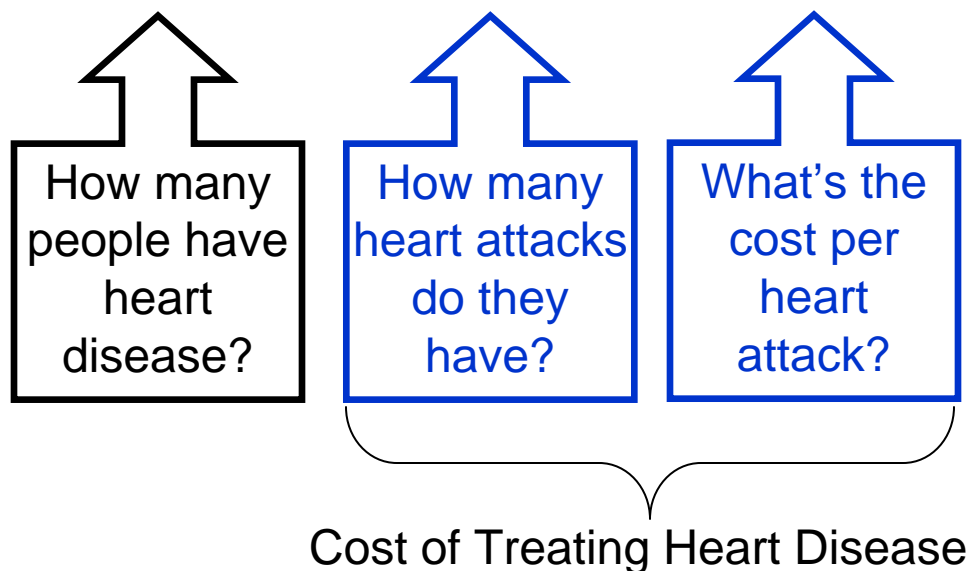
$$\frac{\text{Cost}}{\text{Person}} = \frac{\text{\# Conditions}}{\text{Person}} \times \frac{\text{Cost}}{\text{Condition}}$$



The Health Care Cost Equation

VARIABLES CONTRIBUTING TO THE COST OF CARE

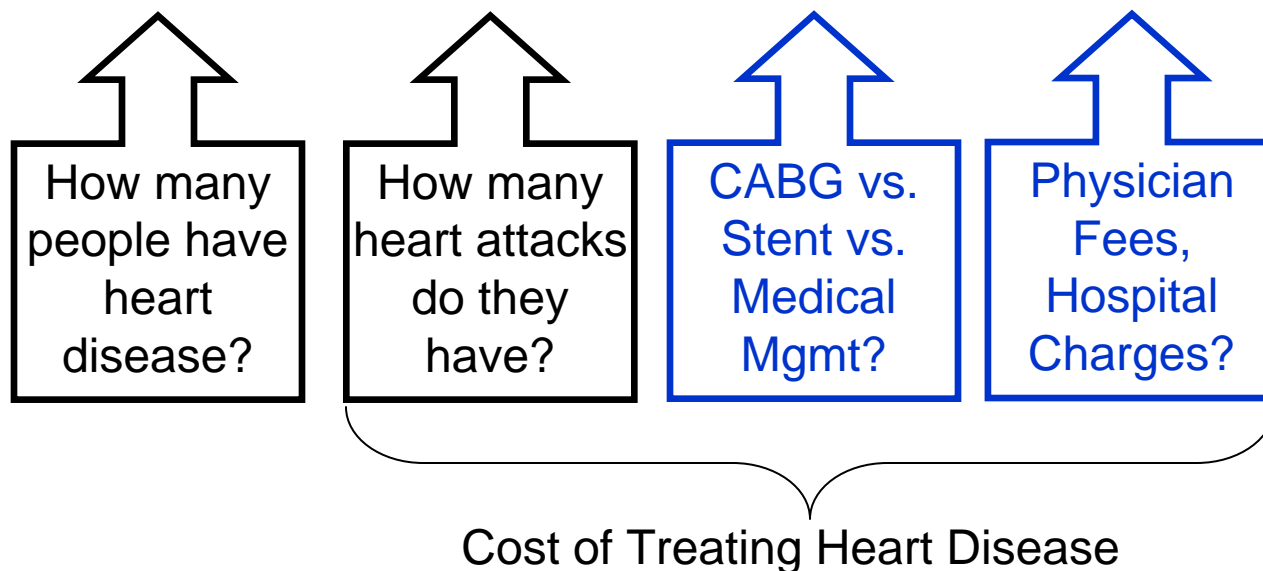
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The Health Care Cost Equation

VARIABLES CONTRIBUTING TO THE COST OF CARE

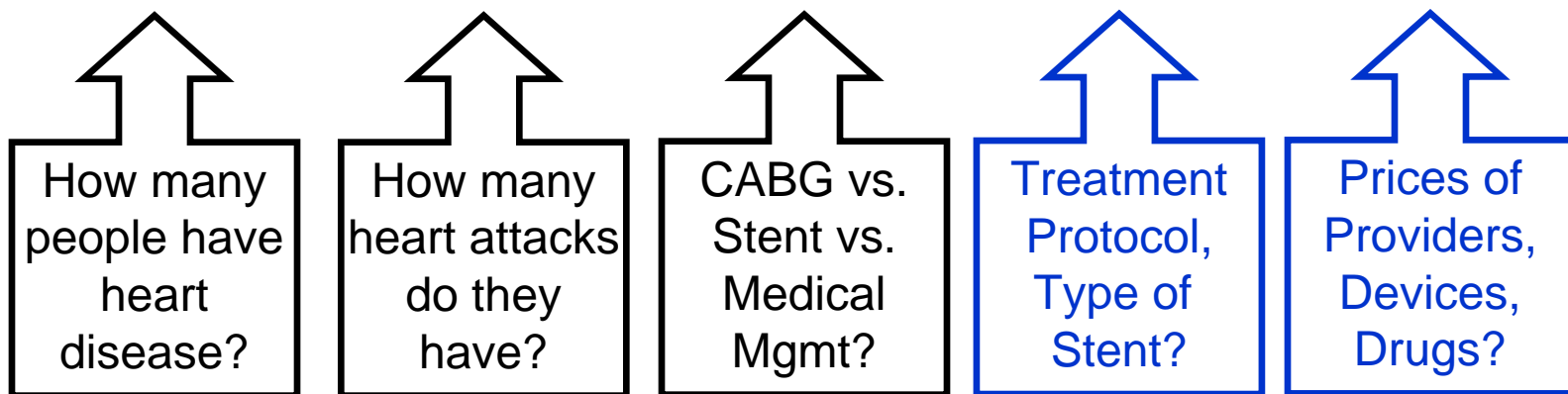
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The Health Care Cost Equation

VARIABLES CONTRIBUTING TO THE COST OF CARE

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Cost of Treating Heart Disease

Fee for Service System Only Controls A Small Part of Cost

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS

$$\frac{\text{Cost}}{\text{Person}} = \frac{\# \text{ Conditions}}{\text{Person}} \times \frac{\# \text{ Episodes of Care}}{\text{Condition}} \times \frac{\#/\text{Type Services}}{\text{Episode of Care}} \times \frac{\# \text{ Processes}}{\text{Service}} \times \frac{\text{Cost}}{\text{Process}}$$

- FEE FOR SERVICE -

i.e., a hospital or physician gets paid a specific, separate amount for each individual service provided (regardless of how many services are provided in total)

Health Care Costs Are Like a Balloon...

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS

$$\frac{\text{Cost}}{\text{Person}} = \frac{\# \text{ Conditions}}{\text{Person}} \times \frac{\# \text{ Episodes of Care}}{\text{Condition}} \times \frac{\#/\text{Type Services}}{\text{Episode of Care}} \left| \times \frac{\# \text{ Processes}}{\text{Service}} \times \frac{\text{Cost}}{\text{Process}} \right.$$

- FEE FOR SERVICE -

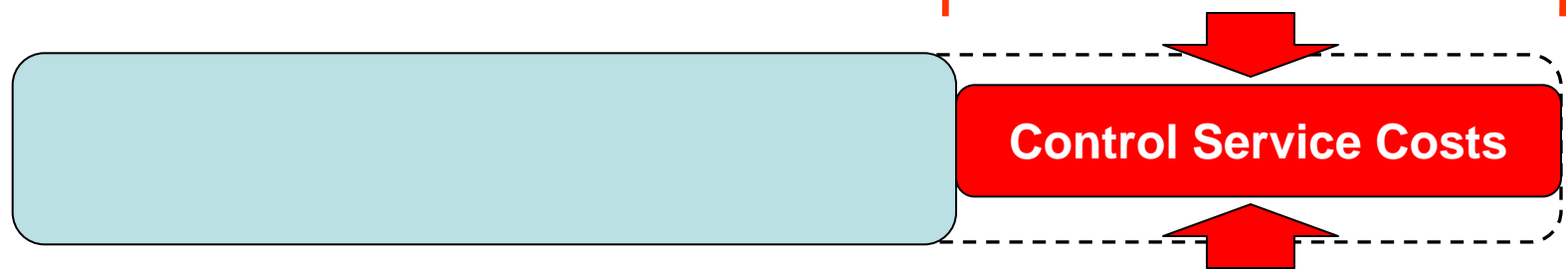
The Health Care Cost “Balloon”

...If You Try To Control a Part of the Costs...

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS

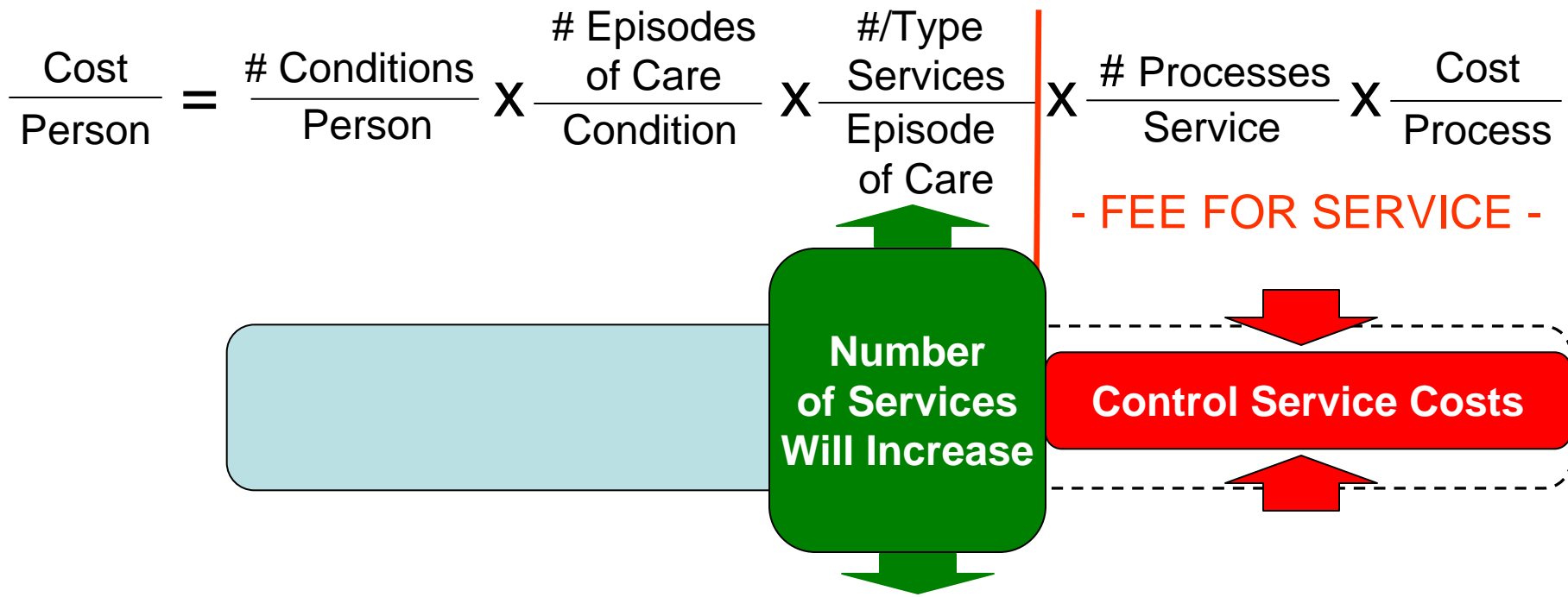
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- FEE FOR SERVICE -



...They'll Increase Somewhere Else

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS




Fee for Service System Result in Undesirable Effects...


VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS

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- FEE FOR SERVICE -



No Limit
on # of
Services



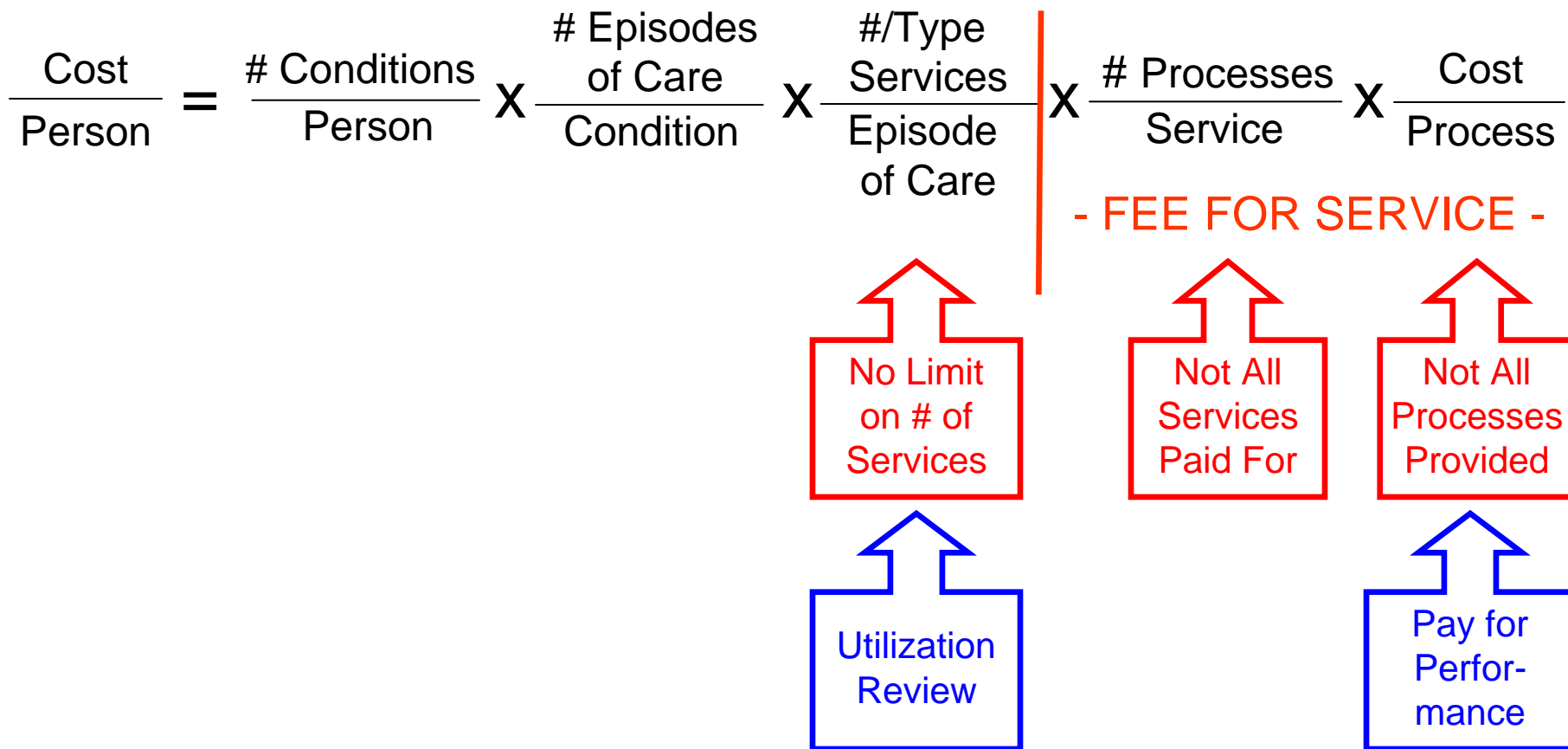
Not All
Services
Paid For



Not All
Processes
Provided

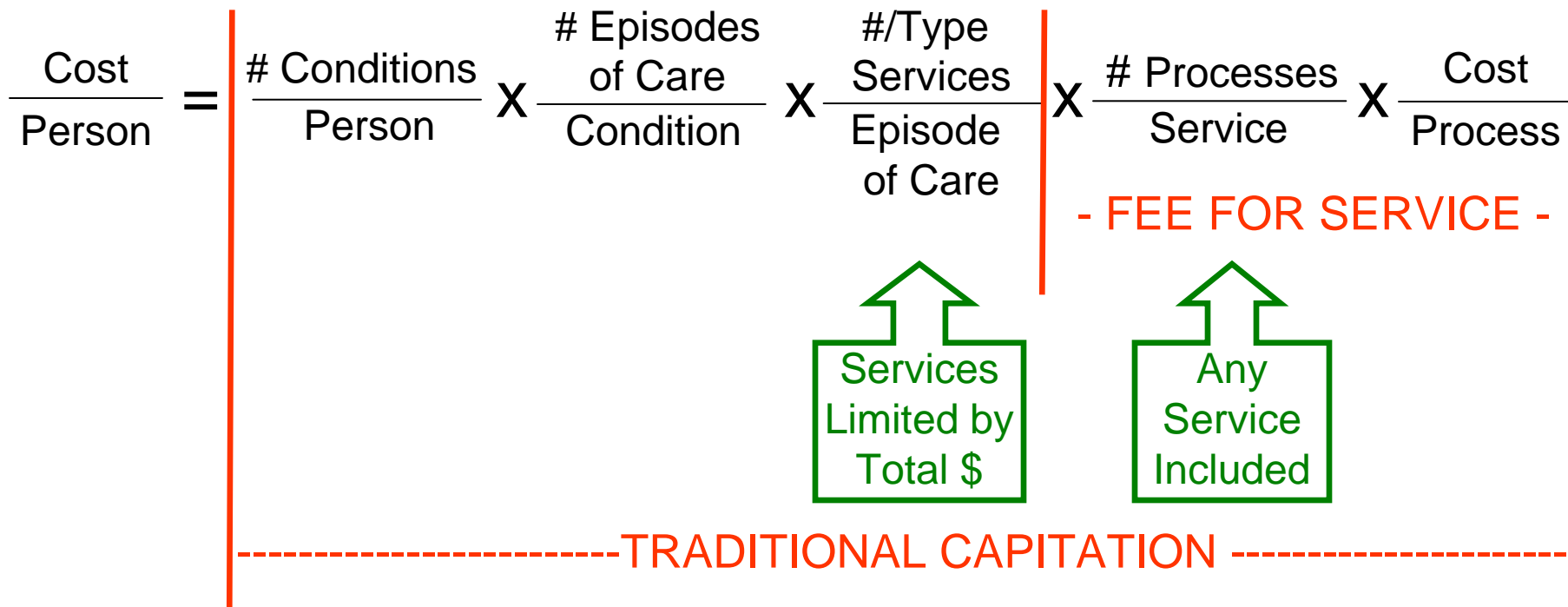
...Which Payers Try to Solve By Layering on Controls & Incentives

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS



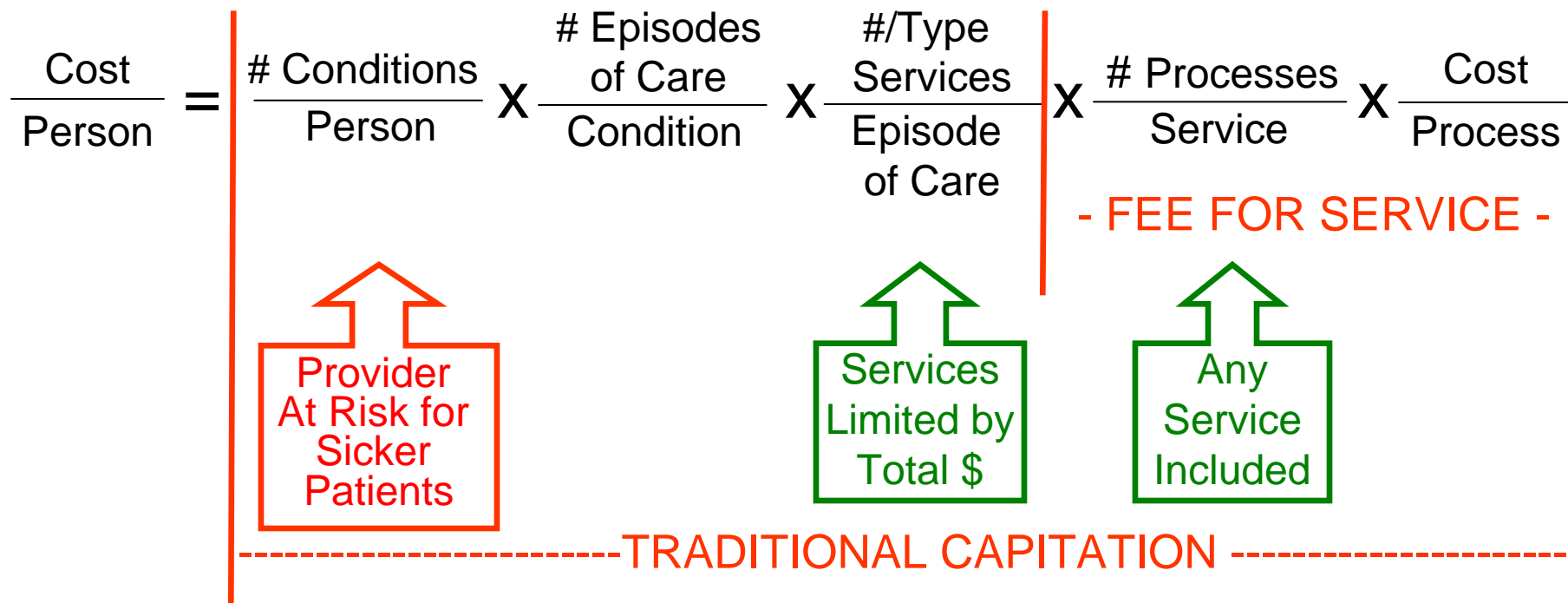
Traditional Capitation “Solved” the Problems of Fee for Service...

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS



...But Went too Far in the Opposite Direction

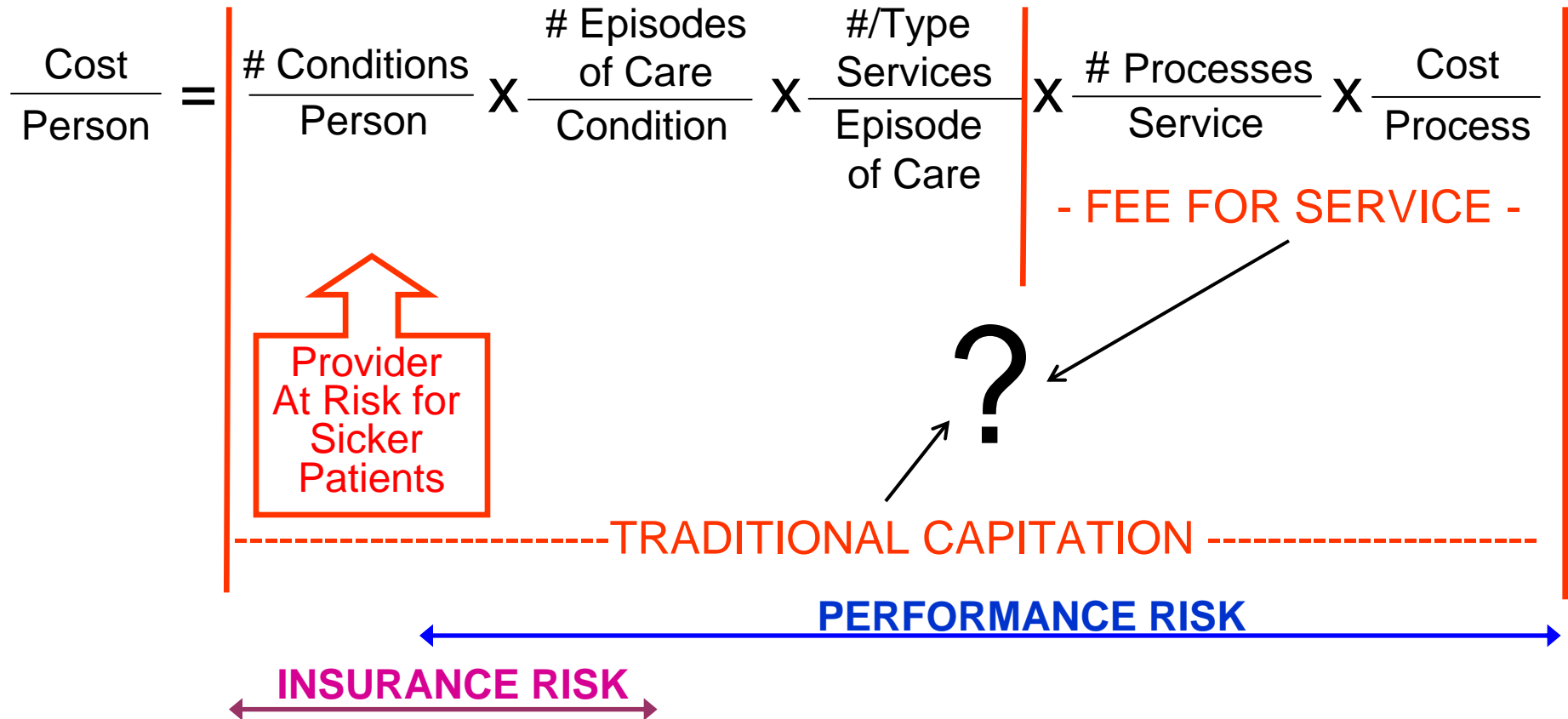
VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS



nrhi Can We Strike the Right Balance Between Insurer & Provider Roles?



VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS



Middle Ground #1: Episode of Care Payment

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS

$$\frac{\text{Cost}}{\text{Person}} = \frac{\# \text{ Conditions}}{\text{Person}} \times \frac{\# \text{ Episodes of Care}}{\text{Condition}} \times \frac{\#/\text{Type Services}}{\text{Episode of Care}} \times \frac{\# \text{ Processes}}{\text{Service}} \times \frac{\text{Cost}}{\text{Process}}$$

- FEE FOR SERVICE -
-- EPISODE OF CARE PAYMENT --



Middle Ground #1: Episode of Care Payment

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS

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- FEE FOR SERVICE -
-- EPISODE OF CARE PAYMENT --

How many people have heart disease?

How many heart attacks do they have?

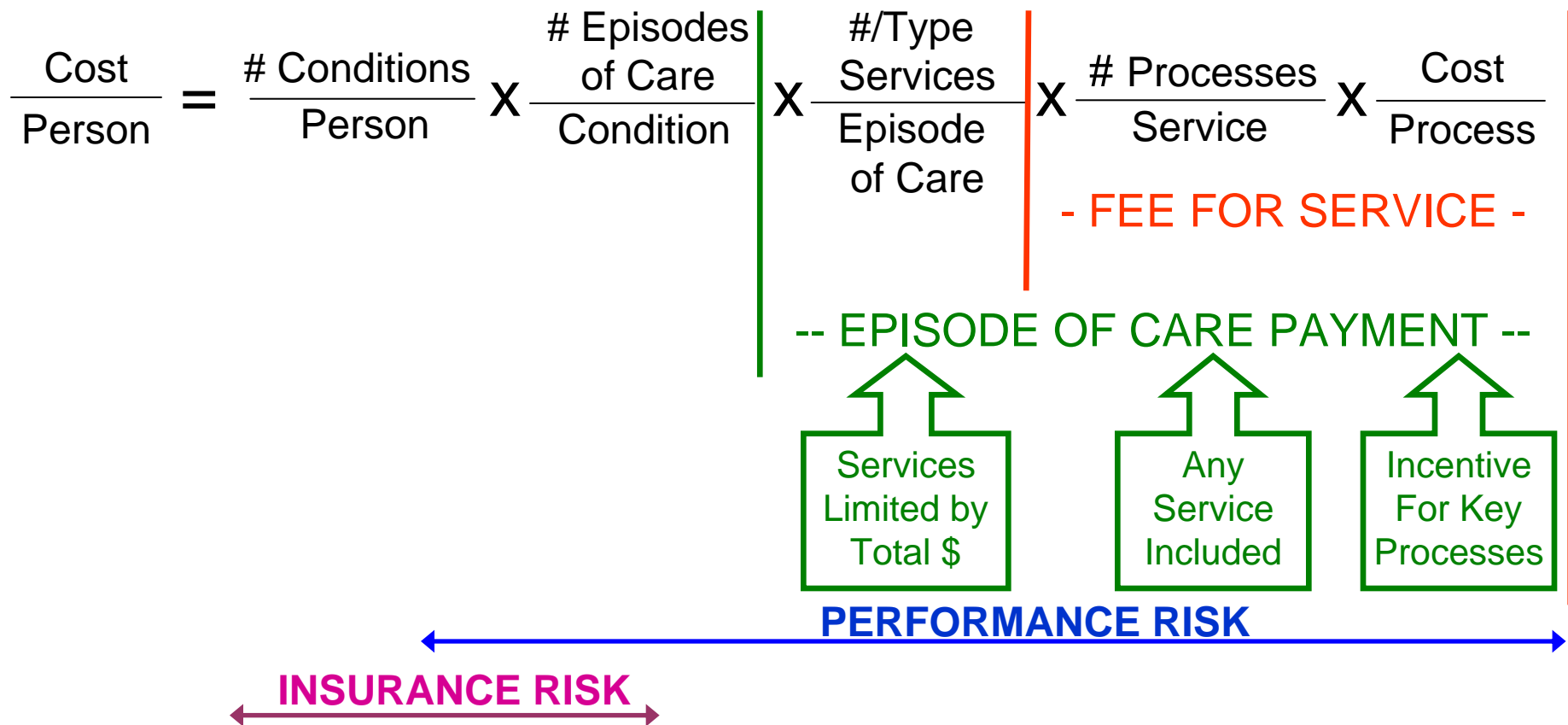
CABG vs. Stent vs. Medical Mgmt?

Treatment Protocol, Type of Stent?

Prices of Providers, Devices, Drugs?

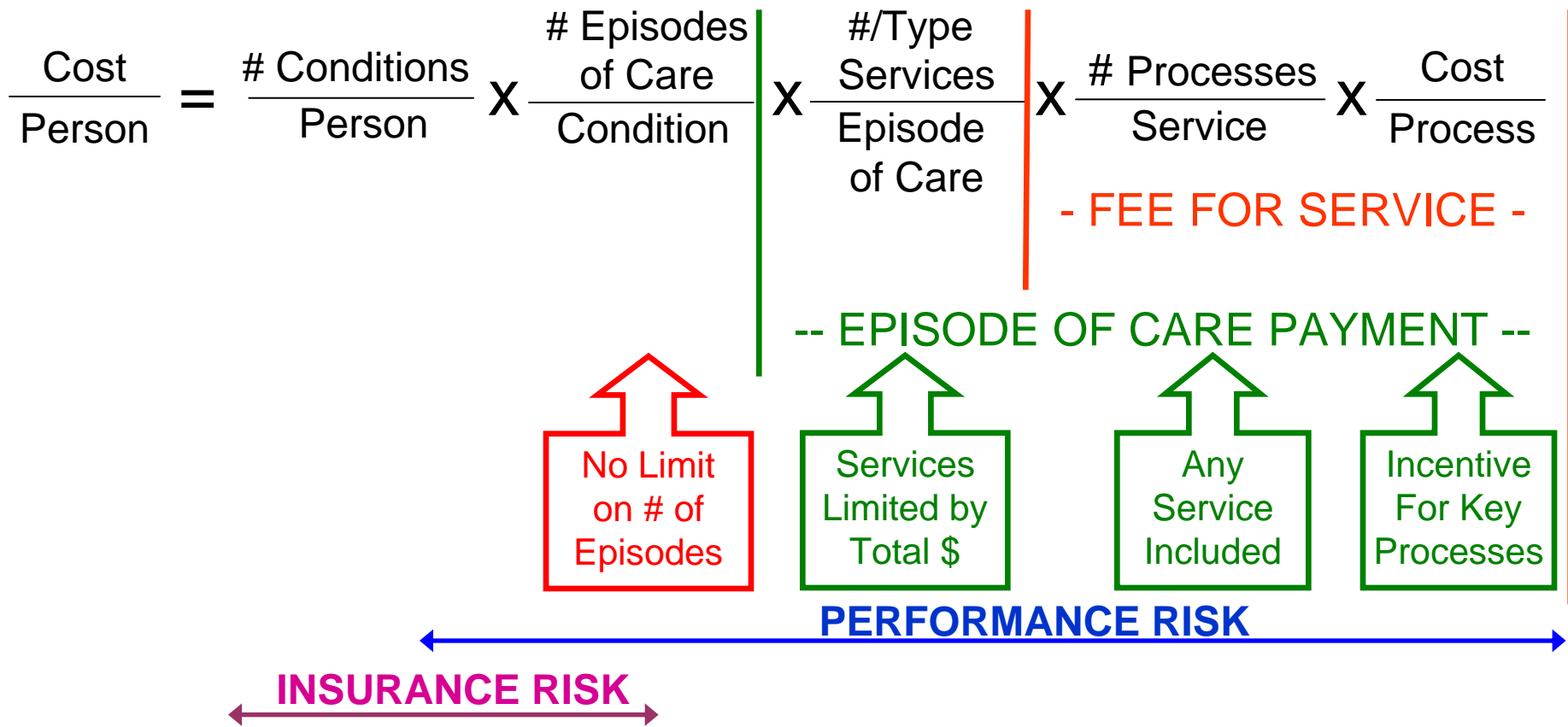
Middle Ground #1: Episode of Care Payment

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS



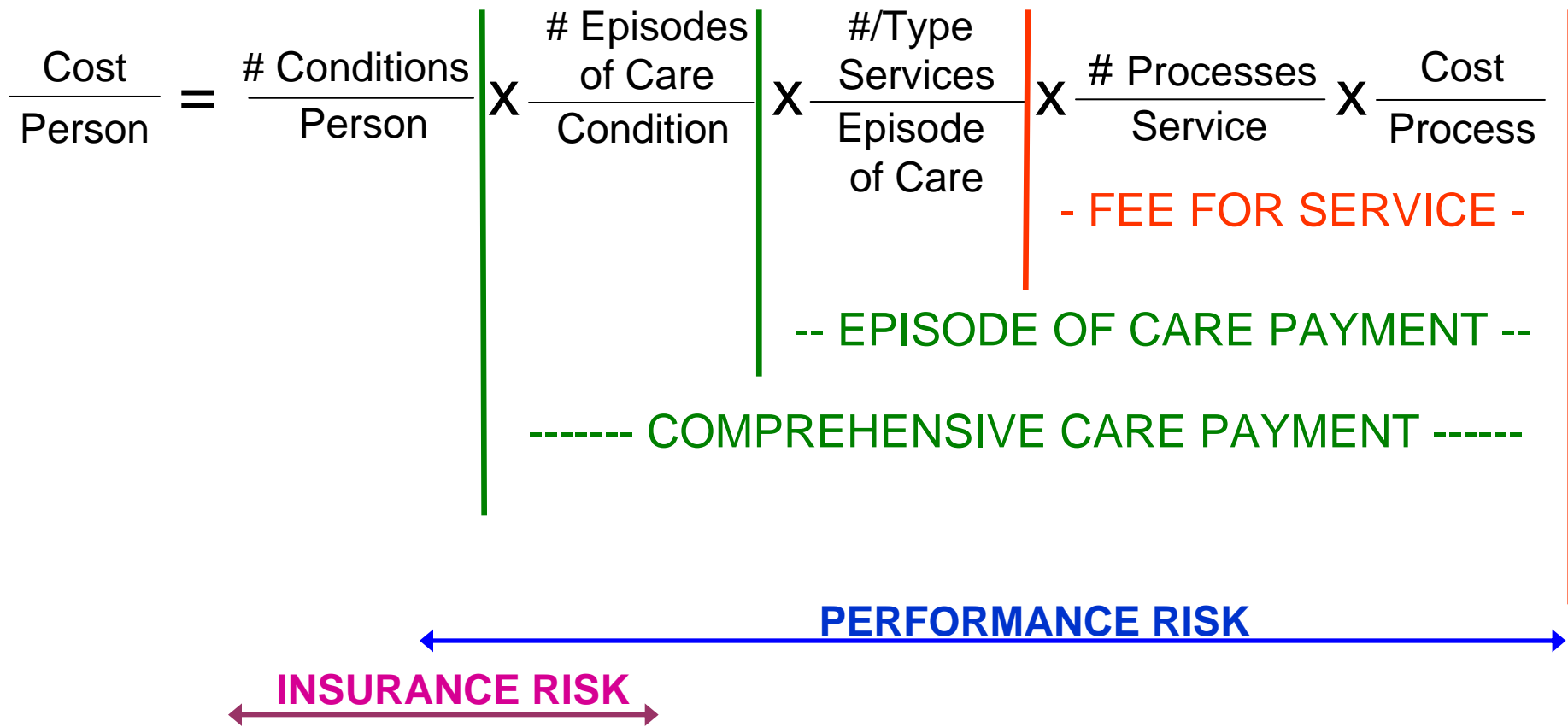
Episode Pmt Limits Cost *Within* Episodes, But Not # of Episodes

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS



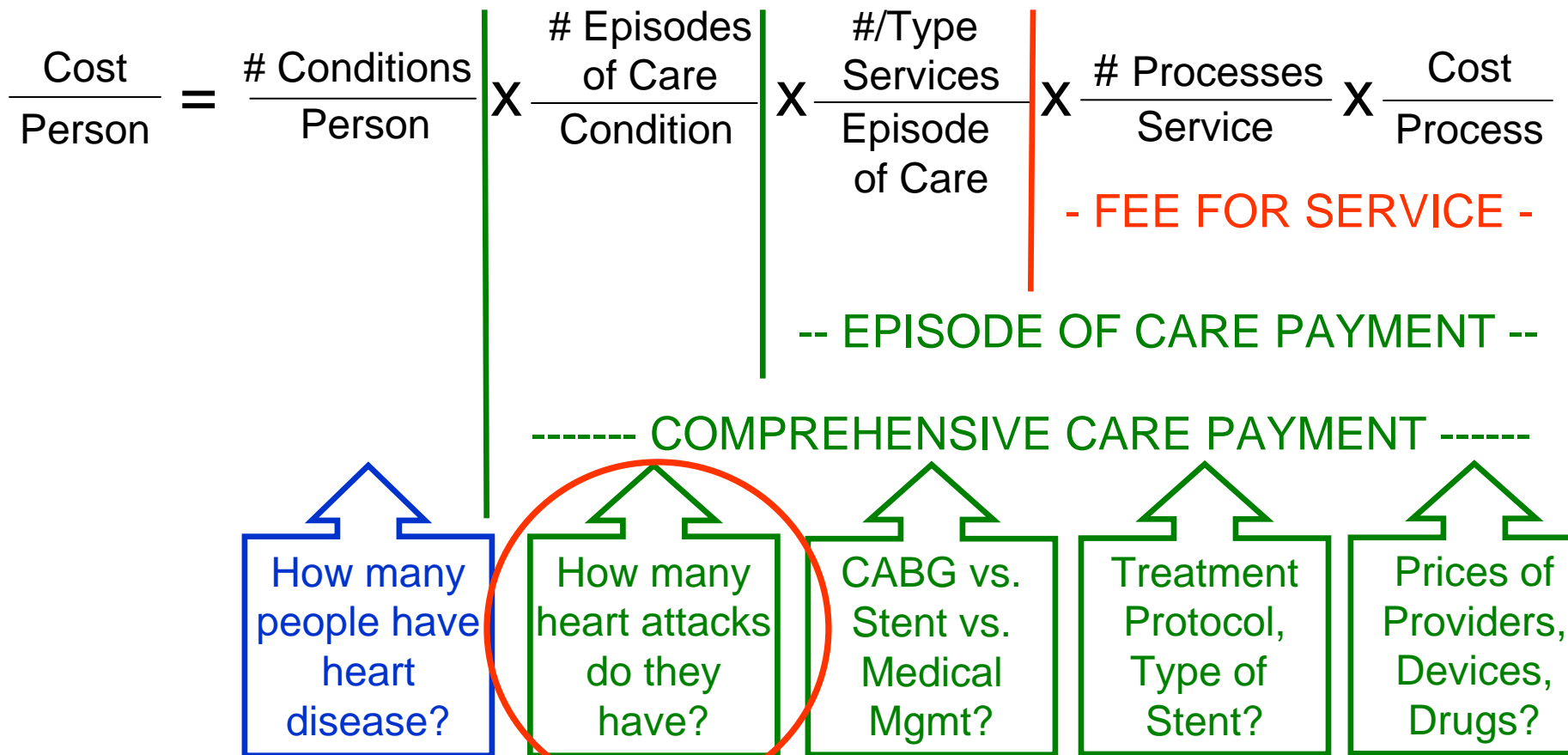
Middle Ground #2: Comprehensive Care Payment

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS



Controlling # of Episodes: Comprehensive Care Payment

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS



How Hospitals Are Paid Today: Option 1- Cost-Based Payment

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS

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Costs
e.g., Medicare Payments for Critical Access Hospitals

How Hospitals Are Paid Today: Option 2 – Fee for Service

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS

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Costs
%Charges
- FEE FOR SERVICE -

Examples of Charges

Cedars-Sinai Medical Center				
AB1045 Chargemaster Submission				
Prices Effective July 1, 2008				
Charge Code		Description	Price	CPT Code
1310504	1310504	02 CONNECTION TUBING MASK	\$ 183.50	
3830025	3830025	1 CHROMO ADD'L KARYO	\$ 162.81	88280
7927115	7927115	11-DEOXYCORTISOL	\$ 35.35	82634
7927128	7927128	17-HYDROXYPROGESTERONE	\$ 9.00	83498
880020	880020	2 CONTACT STRIP ELECTRODE	\$ 527.75	
1593053	1593053	23G BIPOLAR TAPERED FINE POINT	\$ 186.52	
1963053	1963053	23G BIPOLAR TAPERED FINE POINT	\$ 186.52	
860311	860311	24 HR ESOPHAGEAL PH STUDY	\$ 2,134.14	91034
860340	860340	24 HR PH PROBE	\$ 1,207.32	
6516019	6516019	3-0 SUTURE	\$ 122.96	
4090254	4090254	3D ULTRASOUND	\$ 1,219.23	76376
8378803	8378803	3MFCU - OBS, PER HR DIR-ADMIT	\$ 148.12	G0379
8378801	8378801	3MFCU - OBSERVATION, PER HOUR	\$ 148.12	G0378
8378802	8378802	3MFCU - SHORT STAY, PER HOUR	\$ 137.98	

How Hospitals Are Paid Today: Option 3 – Per Diems, DRGs

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS

$$\frac{\text{Cost}}{\text{Person}} = \frac{\# \text{ Conditions}}{\text{Person}} \times \frac{\# \text{ Episodes of Care}}{\text{Condition}} \times \frac{\#/\text{Type Services}}{\text{Episode of Care}} \times \frac{\# \text{ Processes}}{\text{Service}} \times \frac{\text{Cost}}{\text{Process}}$$

Costs

%Charges

- FEE FOR SERVICE -

Per Diem

DRGs

-- EPISODE OF CARE PAYMENT --

Examples of DRGs (Diagnosis-Related Groups)

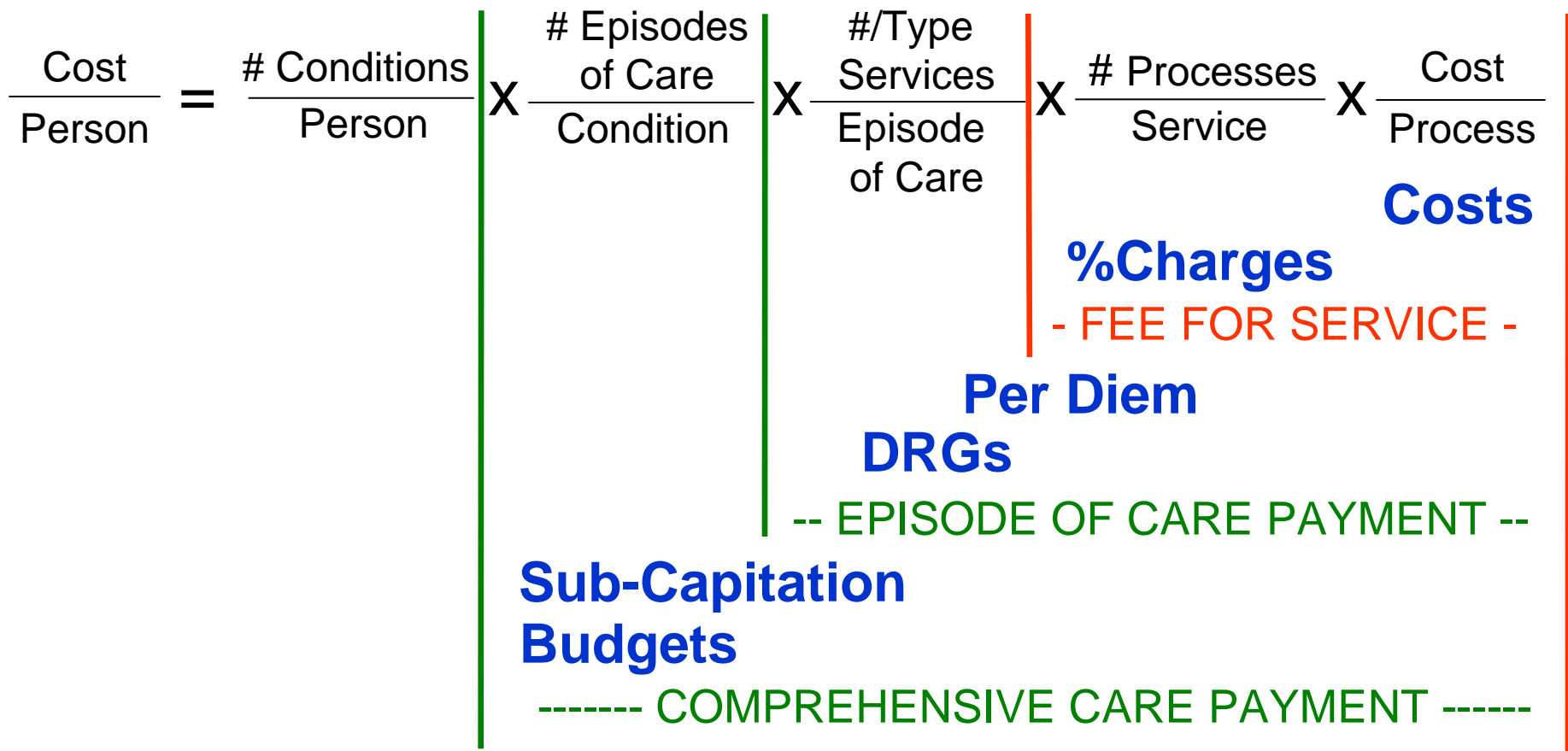
MS-DRG	Description
001	Heart transplant or implant of heart assist system w MCC
002	Heart transplant or implant of heart assist system w/o MCC
010	Pancreas transplant
088	Concussion w MCC
089	Concussion w CC
090	Concussion w/o CC/MCC
193	Simple pneumonia & pleurisy w MCC
194	Simple pneumonia & pleurisy w CC
195	Simple pneumonia & pleurisy w/o CC/MCC
488	Knee procedures w/o pdx of infection w CC/MCC
489	Knee procedures w/o pdx of infection w/o CC/MCC
597	Malignant breast disorders w MCC
598	Malignant breast disorders w CC
599	Malignant breast disorders w/o CC/MCC
974	HIV w major related condition w MCC
975	HIV w major related condition w CC
976	HIV w major related condition w/o CC/MCC

How DRGs Are Different From True Episode Payments

- Many “Diagnosis Related Groups” are really Treatment Related Groups, e.g., heart bypass surgery vs. treatment for moderate artery blockage
- Problems/diagnoses caused by the hospital are (in most cases) paid the same as those the patient was admitted with
- DRGs only include costs of the facility, drugs, devices, and non-physician staff; physicians are paid separately
- DRGs only include inpatient services, not post-acute care services, readmissions, etc.

How Hospitals Are Paid Today: Option 4 – Capitation/Budgets

VARIABLES FOR WHICH THE PROVIDER IS AT RISK UNDER ALTERNATIVE PAYMENT SYSTEMS

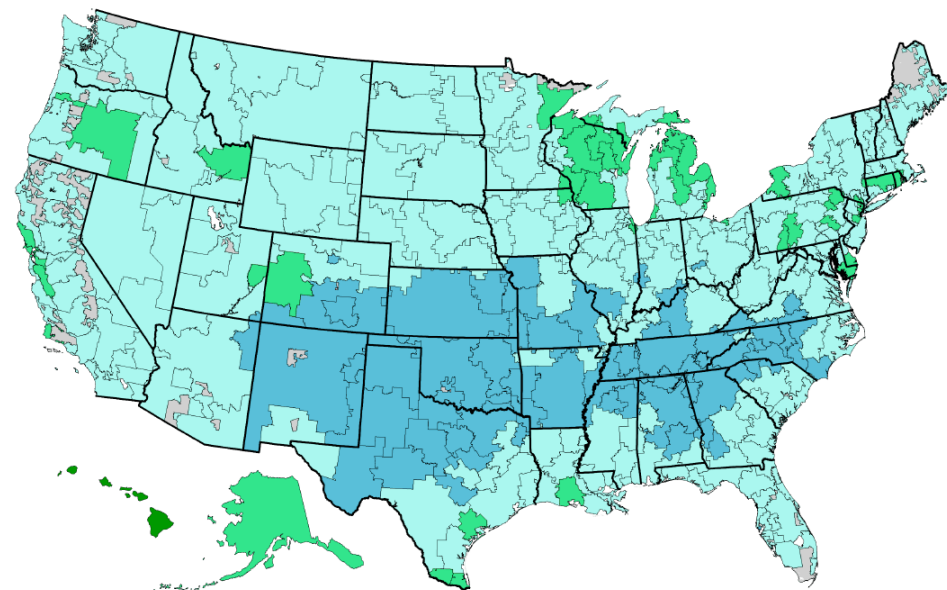


Episode or Comp. Care Pmt?

Depends on What is Driving Costs

For Some Conditions, # Episodes Is Independent of Healthcare...

Hip Fracture Surgery Rates



Ratio of Rates of Surgical Repair of Hip Fracture to the U.S. Average

by Hospital Referral Region (1995-96)

1.30 or More	(0)
1.10 to < 1.30	(56)
0.90 to < 1.10	(204)
0.75 to < 0.90	(45)
0.65 to < 0.75	(1)
Not Populated	

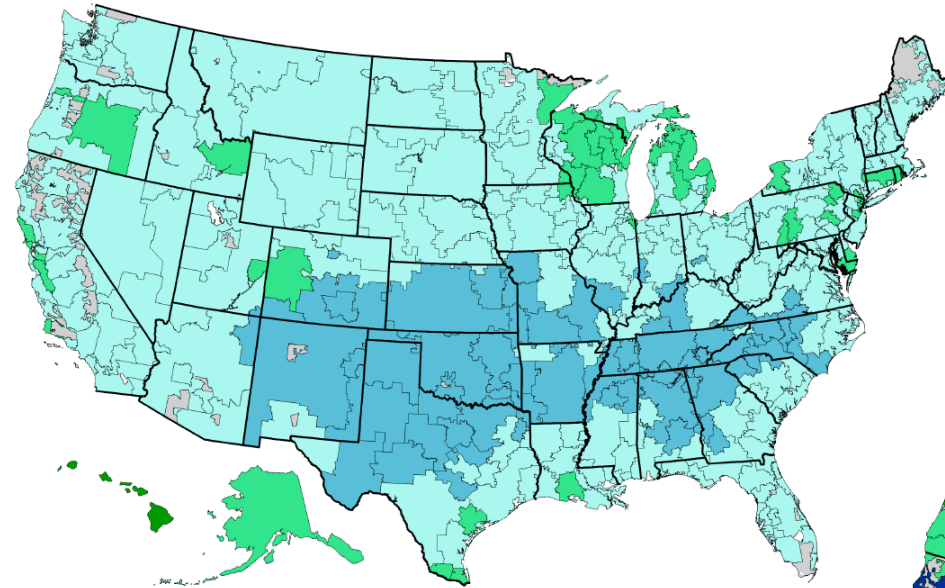
nrhi... For Other Conditions, Healthcare May Encourage More Episodes



Hip Fracture Surgery Rates

Ratio of Rates of Surgical Repair of Hip Fracture to the U.S. Average
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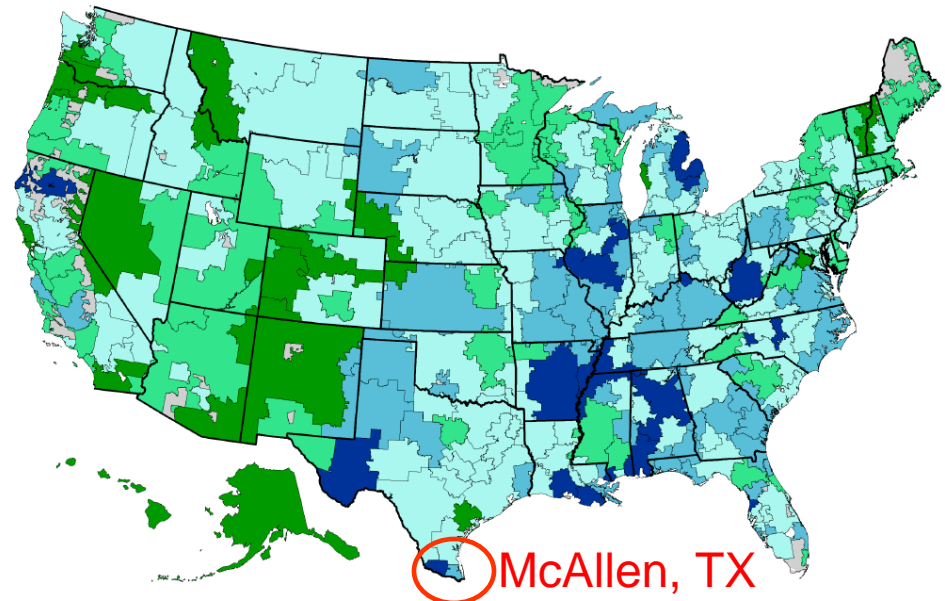
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- 1.10 to < 1.30 (56)
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- Not Populated



CABG Surgery Rates

Ratio of Rates of Coronary Artery Bypass Grafting Procedures to the U.S. Average
by Hospital Referral Region (1995-96)

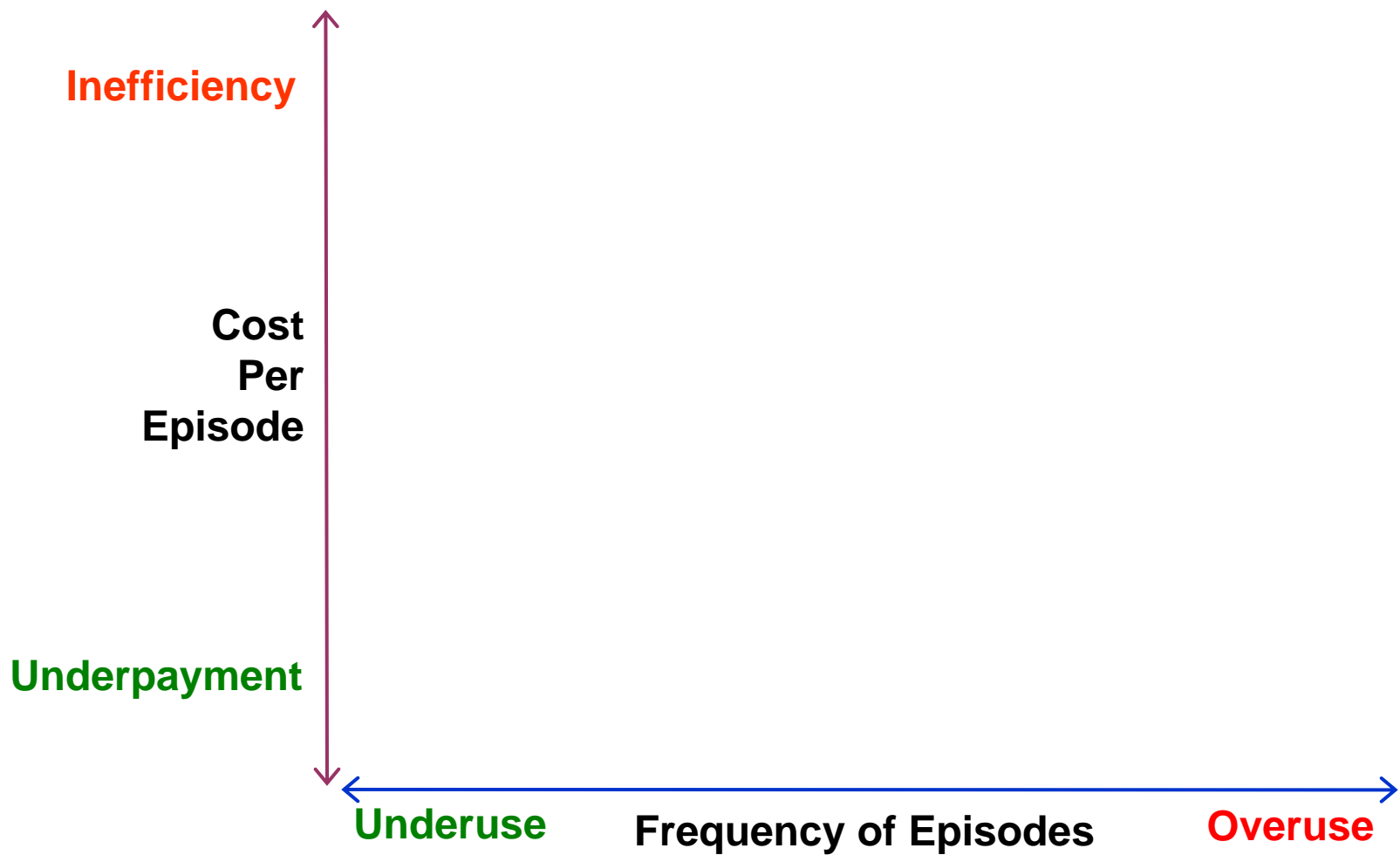
- 1.30 to 1.87 (21)
- 1.10 to < 1.30 (69)
- 0.90 to < 1.10 (126)
- 0.75 to < 0.90 (71)
- 0.50 to < 0.75 (19)
- Not Populated



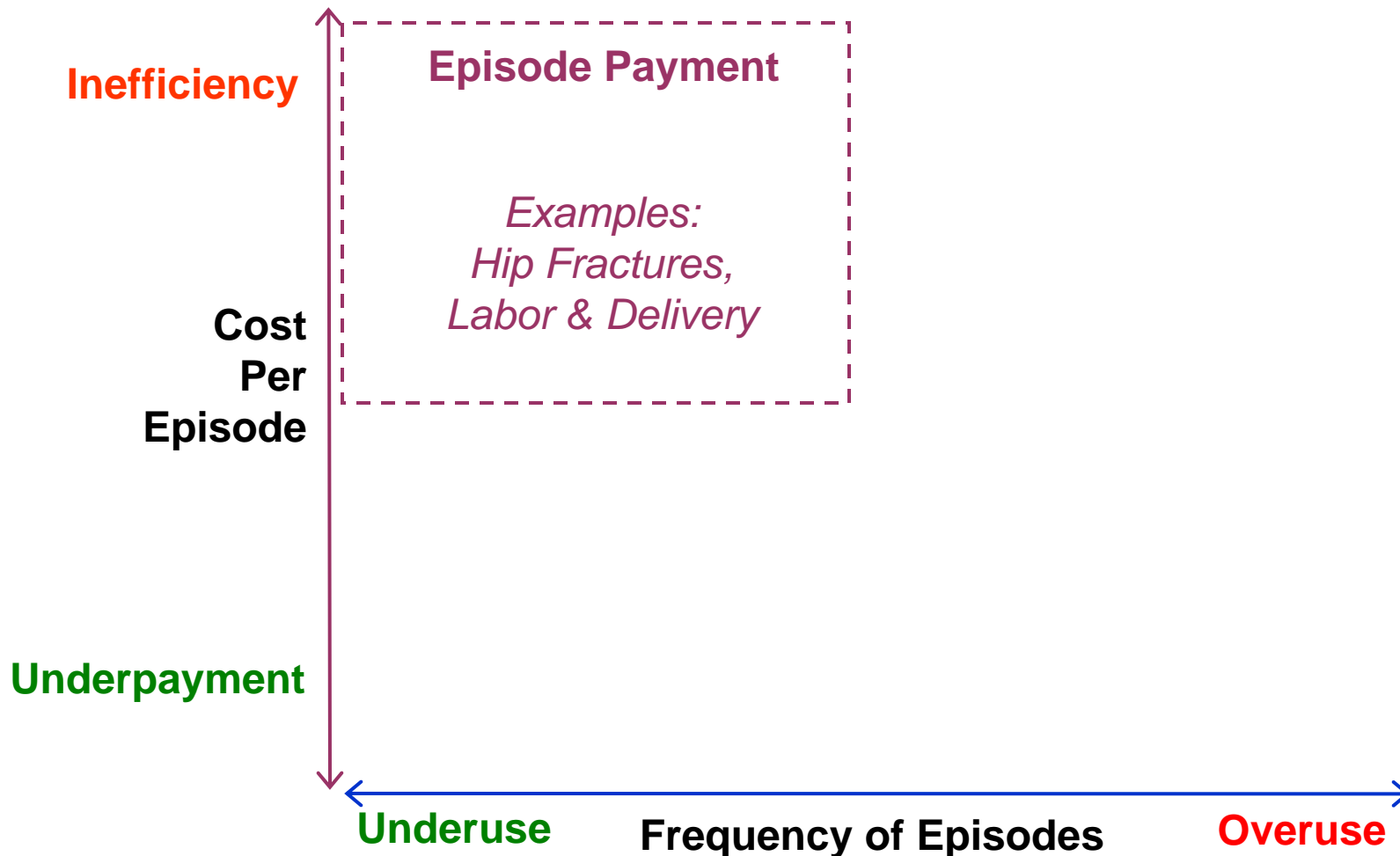
McAllen, TX

Source: Dartmouth Atlas

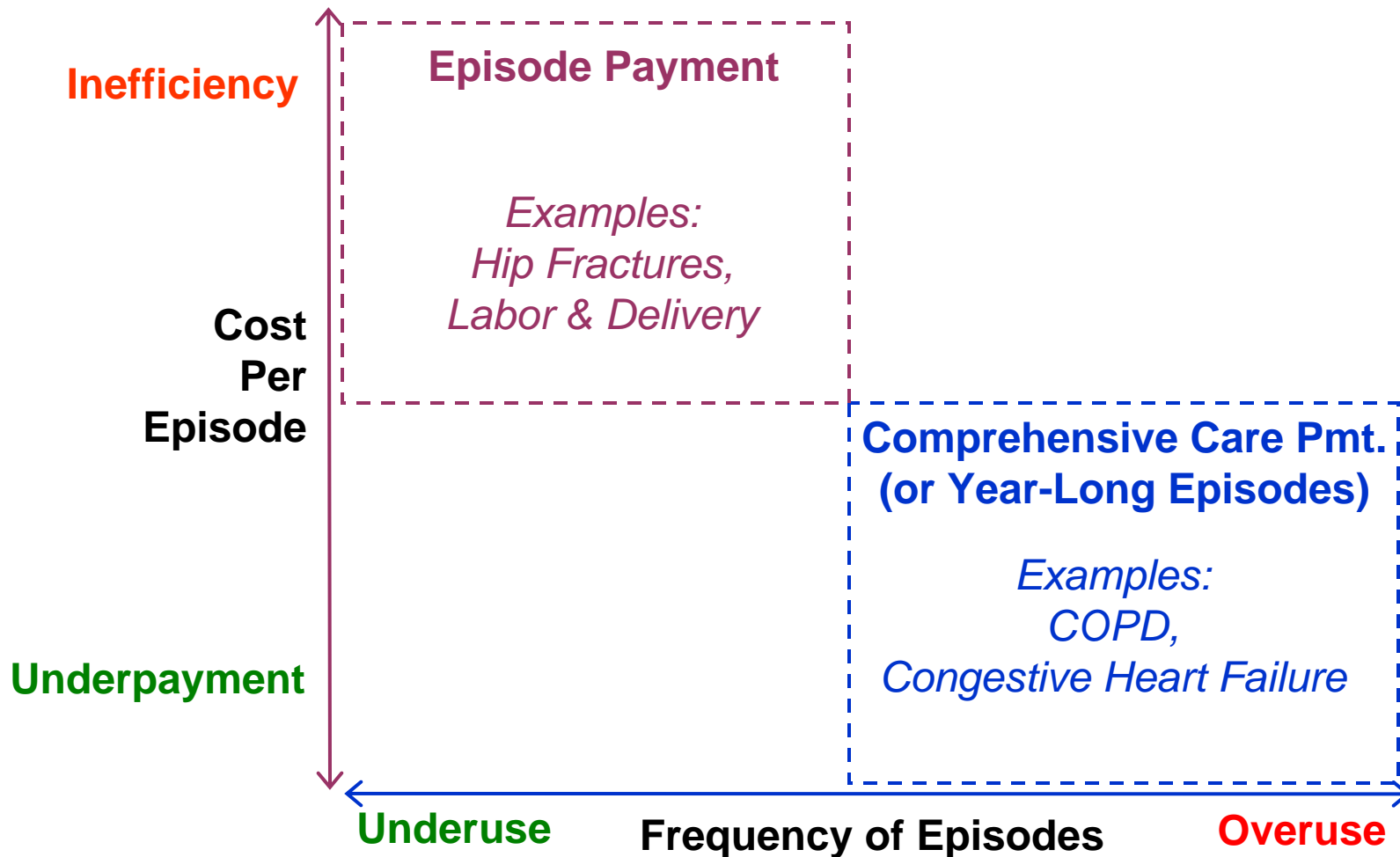
Different Payment Systems Solve Different Value Problems



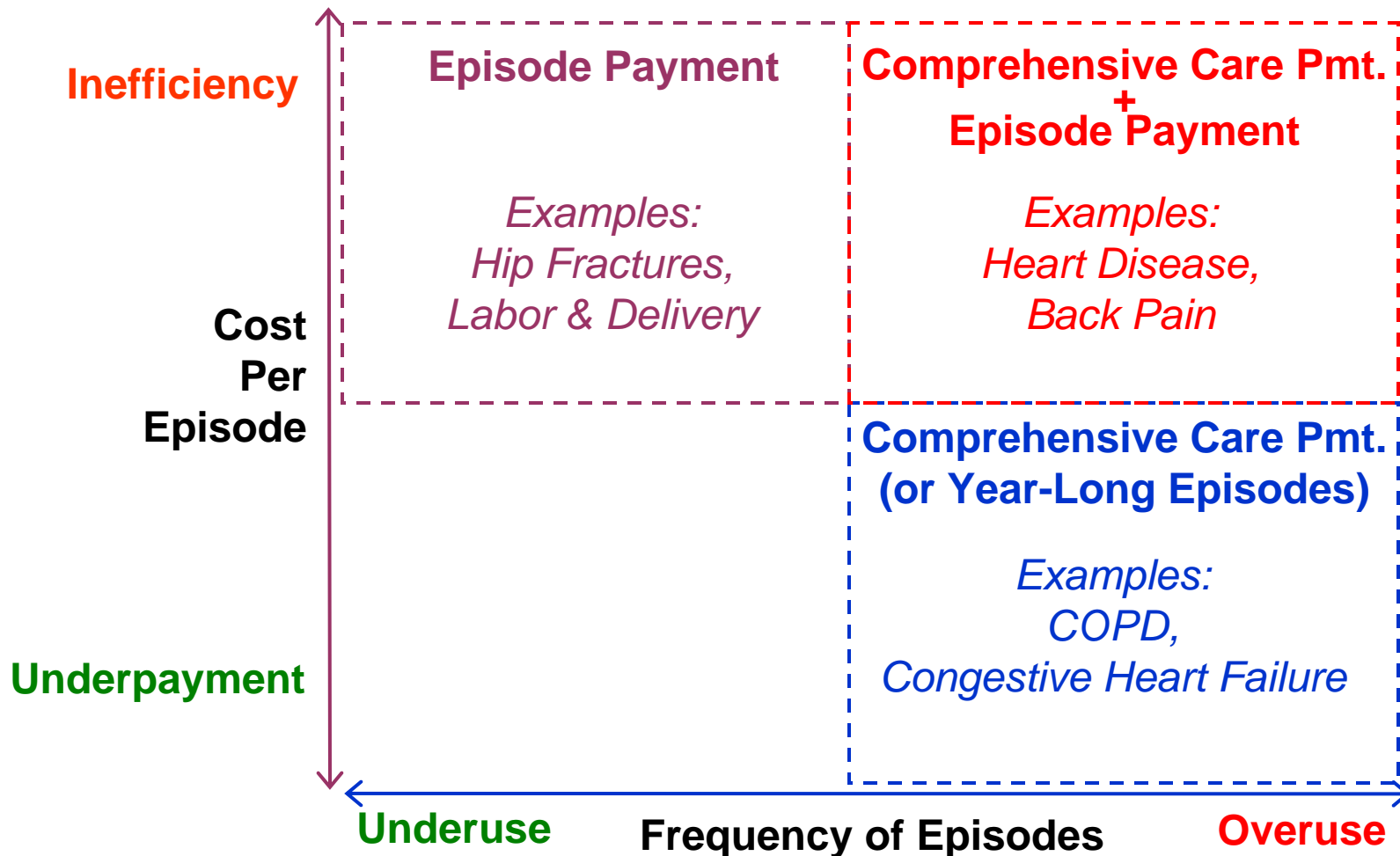
Episode Payment for Treatments Where Overuse Is Not a Concern



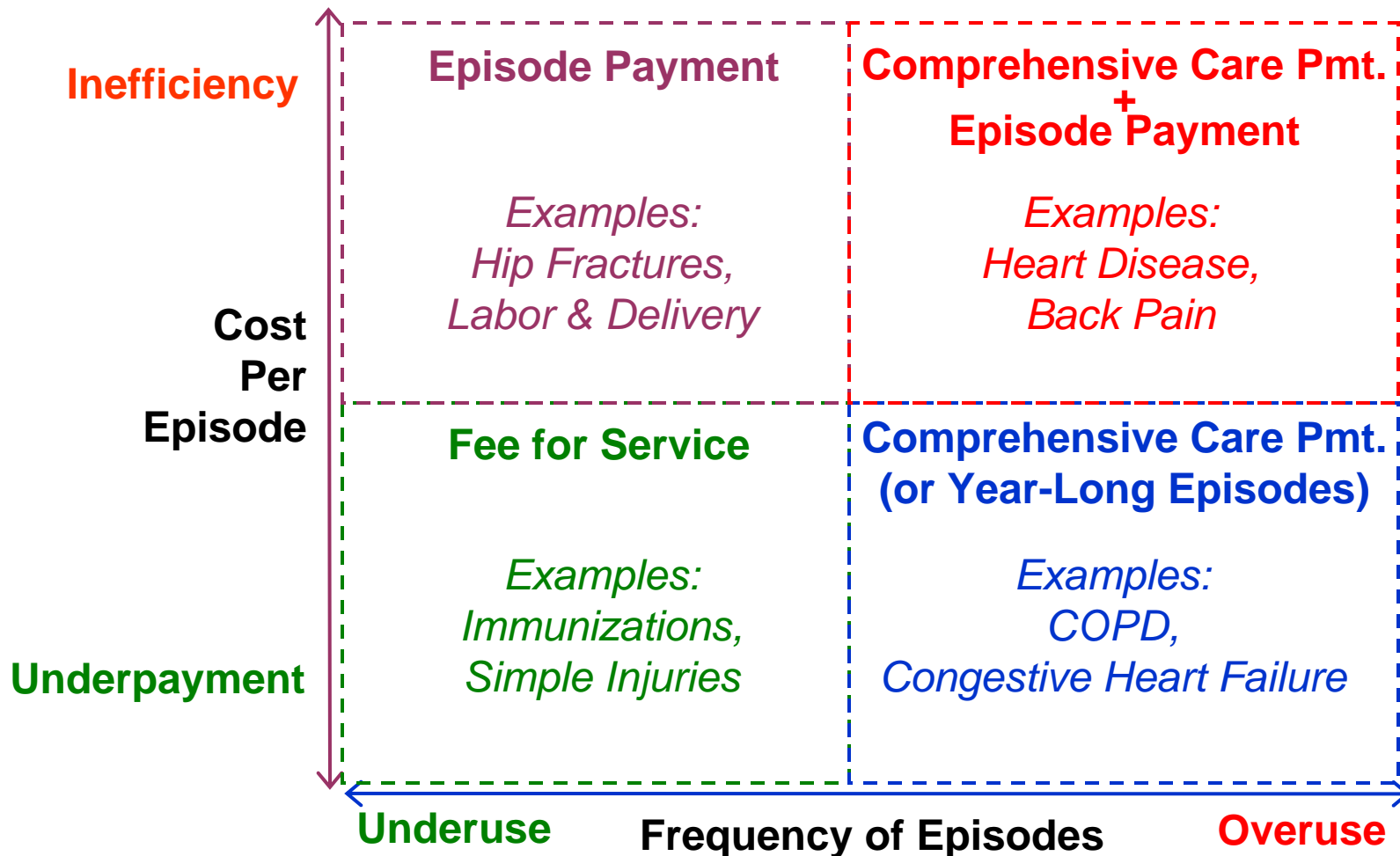
Comprehensive Care Payment Where Overuse Is a Concern



Combination of Both to Reduce Overuse & Improve Efficiency



Fee for Service is Actually Desirable for Underused Services



Payment *Level* (Price) is as Important as Payment *System*

- If price is too high, inefficiencies will exist, regardless of what incentives may exist in the payment method
- If price is too low, providers will be unable to deliver high-quality care
- So how does the “right” price get determined?

Payment *Level* (Price) is as Important as Payment *System*

APPROACHES TO SETTING PRICES

Regulation

Maryland sets all-payer rates for hospital services

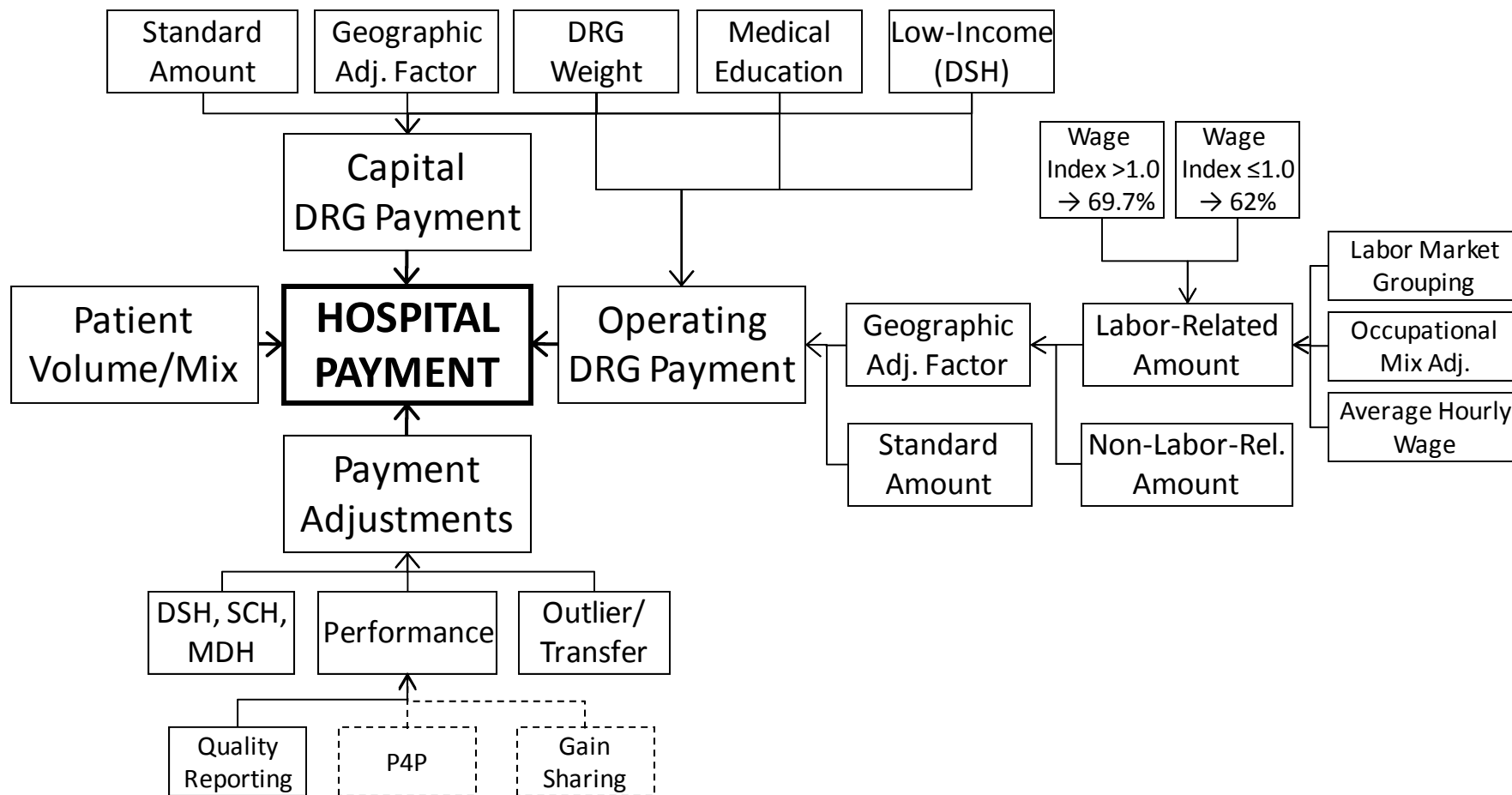
Payment *Level* (Price) is as Important as Payment *System*

APPROACHES TO SETTING PRICES

Regulation	Maryland sets all-payer rates for hospital services
Large Payer Dictation	Congress/CMS establish the rates Medicare will pay

The Complexities of Regulated Pricing Systems

HOW HOSPITAL PAYMENTS ARE DETERMINED BY MEDICARE

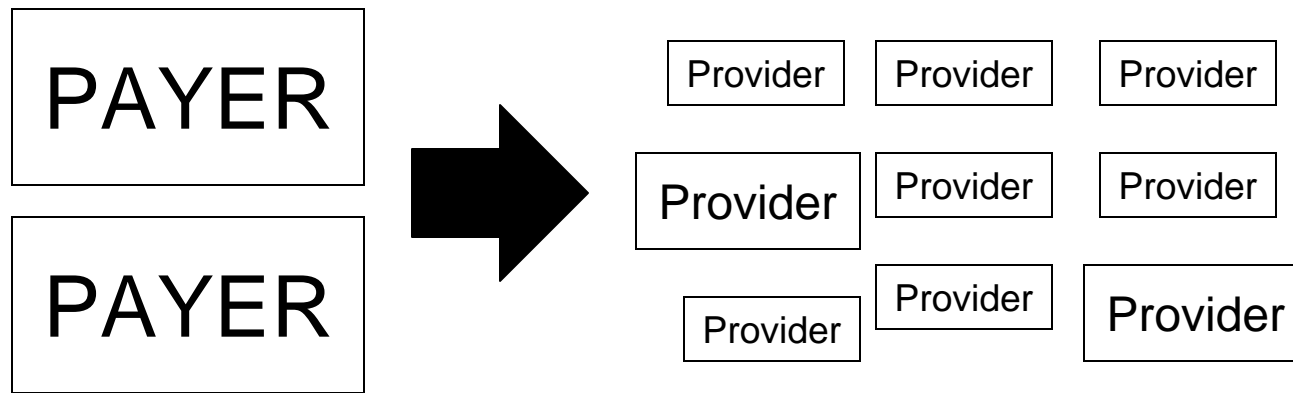


Payment *Level* (Price) is as Important as Payment *System*

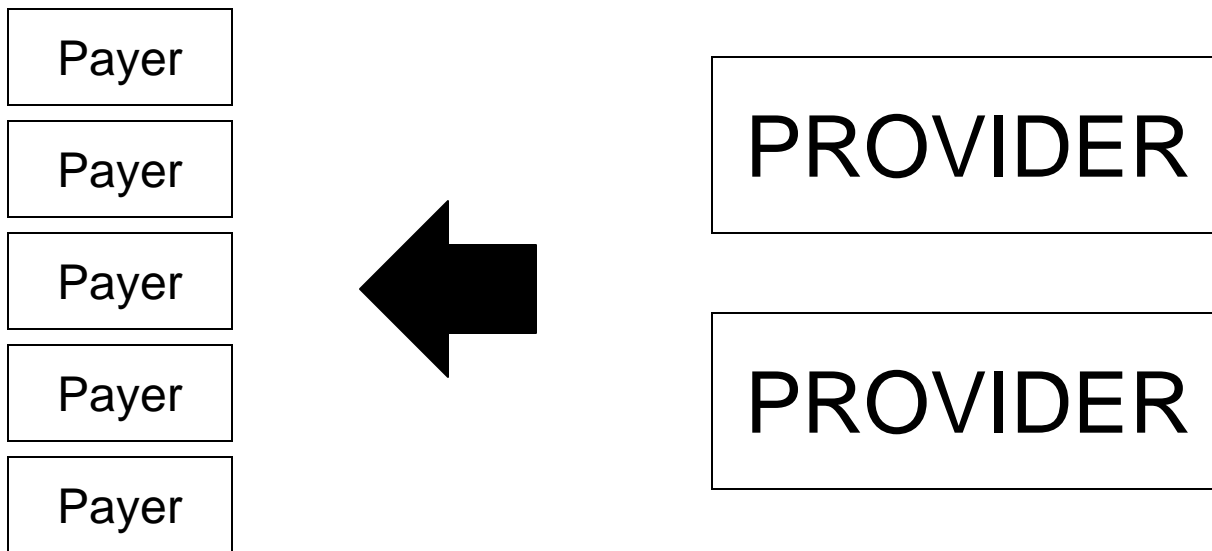
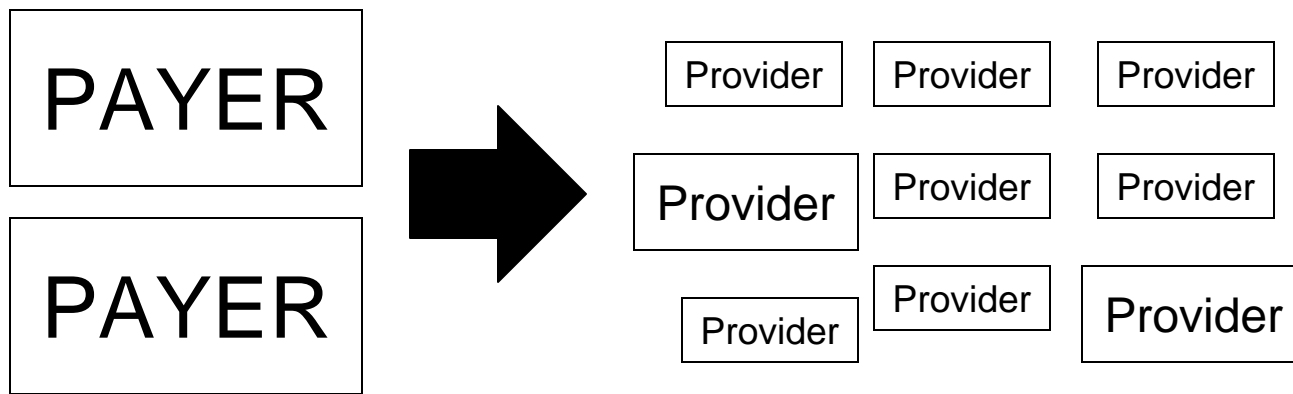
APPROACHES TO SETTING PRICES

Regulation	Maryland sets all-payer rates for hospital services
Large Payer Dictation	Congress/CMS establish the rates Medicare will pay
Small Payer Negotiation	Result varies depending on size of payer vs. provider

Ability to Negotiate Depends on Market Power



Ability to Negotiate Depends on Market Power



Cost-Shifting Possible/Likely With Different Payer Sizes

*If a large payer
reduces prices
for its patients...*

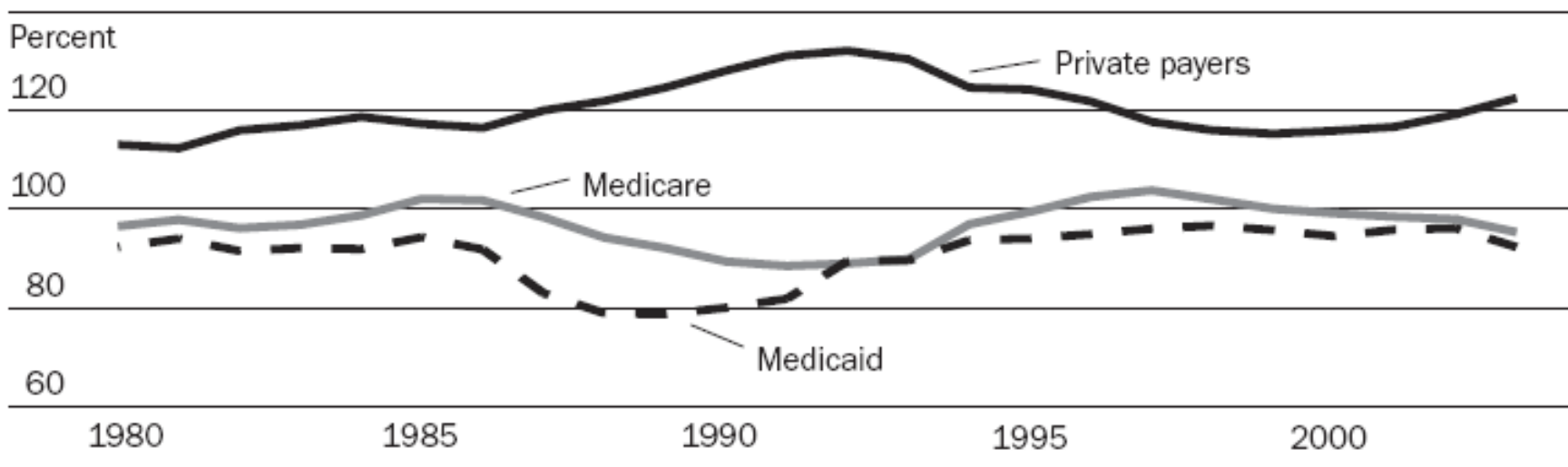


*...rather than cutting
costs, the provider
can increase its prices
to smaller payers
to offset the revenue loss*

Study by Milliman claimed that Medicare and Medicaid payment levels are shifting \$38 billion in physician costs and \$51 billion in hospital costs to commercial insurers nationally

Evidence of Cost-Shifting

Hospital Payment-To-Cost Ratio, By Type Of Payer, 1980-2003



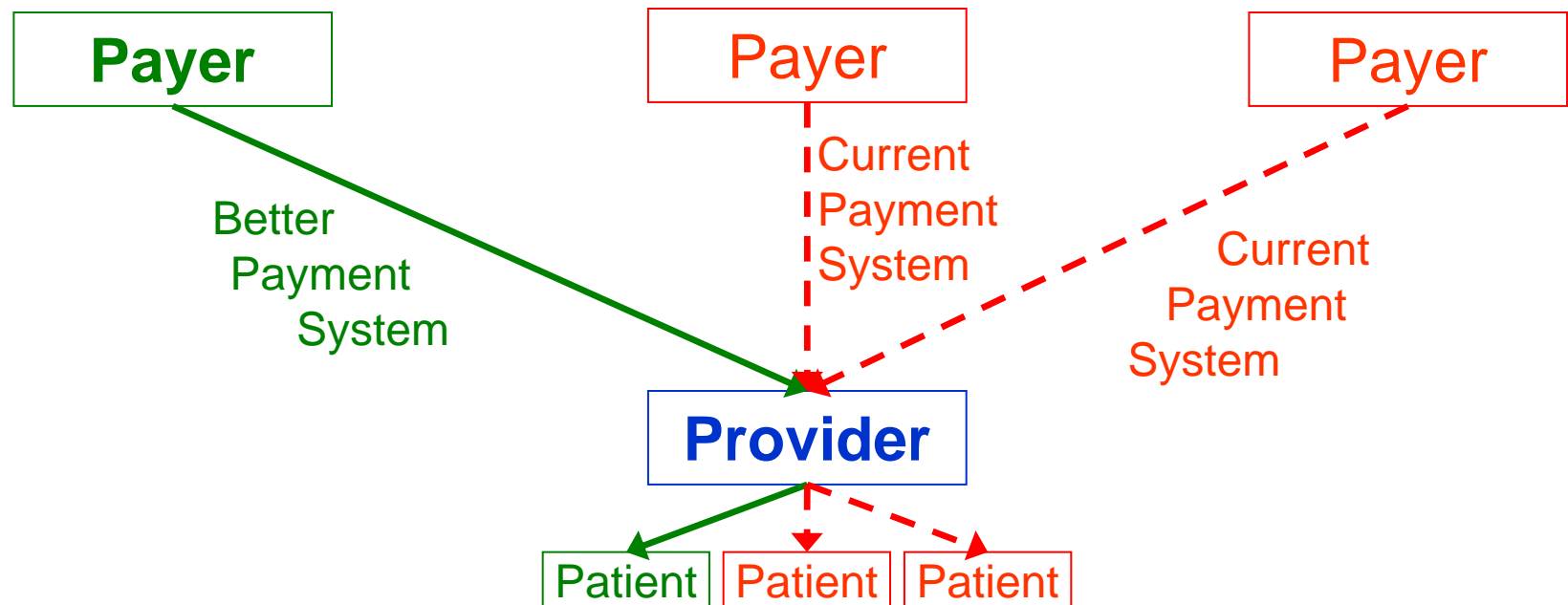
Source: Christopher Tompkins, Stuart Altman, and Efrat Eilat,
 “The Precarious Pricing System for Hospital Services,”
Health Affairs, Jan/Feb 2006, pp. 45-56

Payment *Level* (Price) is as Important as Payment *System*

APPROACHES TO SETTING PRICES

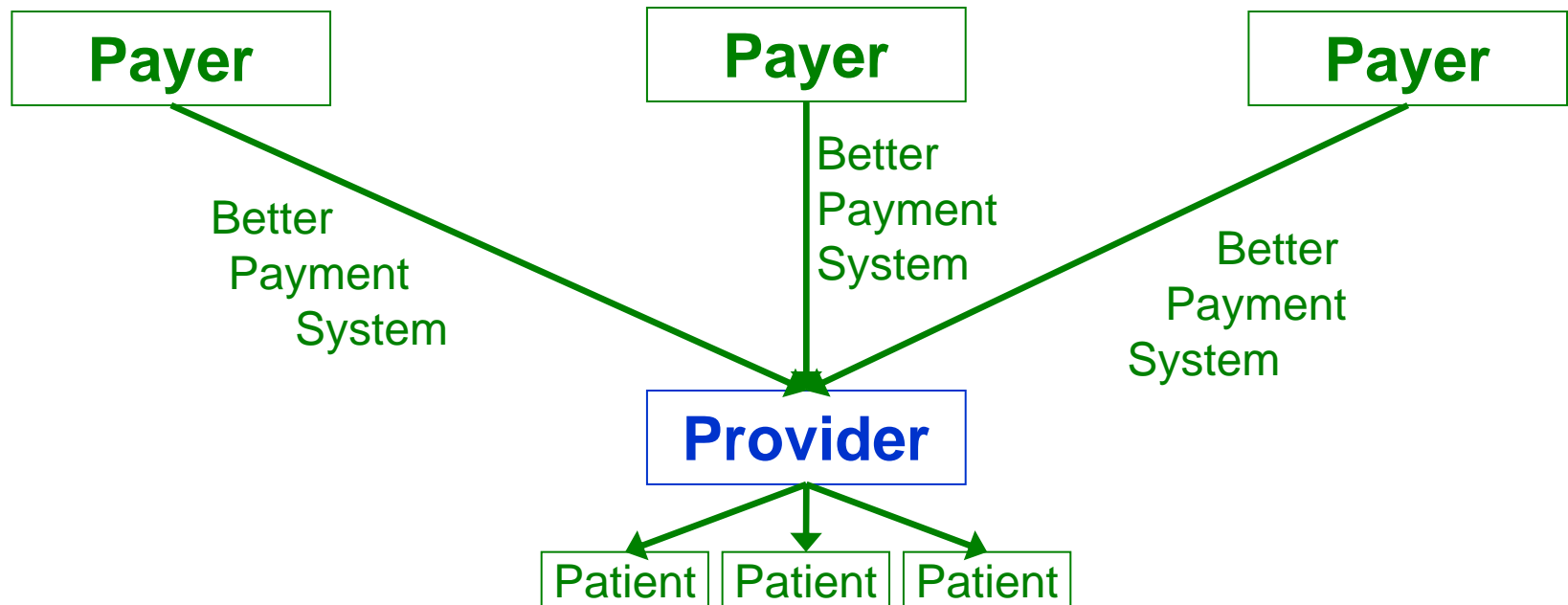
<p>Regulation</p>	<p>Maryland sets all-payer rates for hospital services</p>
<p>Large Payer Dictation</p>	<p>Congress/CMS establish the rates Medicare will pay</p>
<p>Small Payer Negotiation</p>	<p>Result varies depending on size of payer vs. provider</p>
<p>Competition</p>	<p>Providers set prices in order to attract more patients</p>

One Payer Changing is Not Enough for Providers to Change



Provider is only compensated for changed practices for the subset of patients covered by participating payers

Payers Need to Align to Enable Providers to Transform



Better Payment Systems Require Better Quality Measurement

- Concern: Giving healthcare providers more accountability for costs reduces the incentives for overuse, but raises concerns about whether patients will get too little care
- Solution: Measure healthcare quality and include incentives for providers to maintain/improve quality as well as reduce costs

The Continued Role for Some Form of “P4P”

- To counteract the undesirable incentives in the fee-for-service system
- As a way of transitioning from current payment systems to episode-of-care and comprehensive care payment
- As a means of quality assurance for patients in more global/bundled/comprehensive payment models

Agenda for This Morning

8:30 Pay-for-Performance Systems

Christopher Tompkins

9:15 Episode-of-Care Payments

Harold Miller

10:00 Break

10:30 Comprehensive Care Payment

Ann Robinow

11:15 Discussion/Q&A

12:00 Adjourn