Challenges and Opportunities in Hospital Pricing Strategies

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Presenter: Seth Avery

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He is a frequent speaker at Healthcare Financial Management Association conferences and presents webinars providing education on various healthcare finance topics.





Factors Driving Pricing Transparency

- Independent Testing Facilities (ITF) putting great pressure on hospitals in service lines that had been very lucrative.
- ASC taking away premium outpatient surgeries
- Increased price sensitivity on "public relation" prices; emergency department, etc.
- Government and interest groups pressuring pricing decisions
- Pressure to maintain/improve bottom line





Developing a Pricing Strategy to meet all the demands

- How does your organization start?
- Overall % increase?
- Selective prices/decreases?
 - Hold room rates?
 - Increase Emergency Department levels?
- Net Revenue objective?





Developing a Pricing Strategy to meet all the demands

What do you need to project the financial impact of a strategy?

- · Quantities of services
 - Patient type
 - · Services codes
 - Plan codes (or what payment terms do they belong to)
- Managed care term that relate to price change
 - · What payers are price sensitive
 - Carve outs
 - · Devices, drugs
 - Terms such as stop loss, lessor of, caps, etc.





Goals of Pricing Solutions

- · Net revenue neutral at worst, maybe an improvement
- Minimum price increase
 - Can we have a price cut?
- Pay close attention to prices that are market sensitive.
 - · High consumer interest
 - Market competition with other hospitals or ITFs
- · Relational pricing
 - This is the one that gets forgotten sometimes.
 - Two view vs. one view
 - If you use ratios of APC, you will get a lot of compression.





How do you change your prices today? a) Annual across the board increases b) Selective price increases c) Price increases and decreases d) I do not know AppRev

Common Pricing Techniques • Fee schedule mark up • Which one do you choose? • Do you have lessor of language? • APC mark up • 10022 Fine needle aspiration w/image • \$487.34 APC payment • If you mark-up 2.5 X = \$1,218 • What else is on the claim? • Imaging • Drugs • Room AppRev

Common Pricing Techniques

APC mark up

- 23410 Repair rotator cuff acute
- \$3,763 APC payment
- If you mark-up 2.5 X = \$9,407
- What else is on the claim?

Do the charges on your claim end up being five to six times the APC payment?





Model Building

The first step is price sensitivity. We can raise or lower all of the prices equally, but wouldn't we rather know what the financial impact of those decisions will be?

Taking the elements of the services with the attributes of the payment terms, you can calculate:

- Relative price sensitivity of each charge code by the patient type
- Example: Emergency Department Level III (99283) price sensitivity score of 0.036.
 Each dollar of price increase for that service will yield \$0.036 per encounter.
- Using historical payer mix and usage data, we have found this approach to be very accurate.





Model Building II

Now that you have calculated the price sensitivity, what are you doing with that information?

If you lined up all of the prices in order of their price sensitivity, you could raise the first one to 1M and you are done!

Instead you probably want to be able to raise prices where it matters and lower them where it does not.

We are generally working within an overall gross charge limit or goal – a "constraint."





Model Building III

Within your constraint you can raise and lower prices.

If you have an overall constraint of Zero (0%) for gross charge increase, then to raise prices on sensitive items you need to lower other prices.

Item 1	Price	Qty	GR	Sensitvity	Price increase	GR Δ	ΔNR due to price Δ	
ED LVIII	\$600.00	1,000	\$600,000	0.036	5%	30,000	\$1,080.00	
LAB VII	\$12.00	10,000	\$120,000	0.012	-25%	-30,000	-\$360.00	
				_ \		0	\$720.00	

But wait there is more...





Model Building IV

Now that you are accounting for price sensitivity there is more to consider.

What is the market price?

Market data is available, but how is it used?

What about how a price relates to the price of another service?

- Do you have irrational prices today?
- A two view x-ray is priced less than one view.
- One with contrast is priced less than one without.





Technology Solutions

Providers cannot accurately calculate the price sensitivity of individual services.

Providers struggle to create pricing solutions that combine:

- · Net and gross and revenue goals
- Develop a market based strategy
- Keep in mind relational pricing
- Add more complex rules such as:
 - · Limiting increase/decrease in identified services, e.g. MRI
 - Payer specific limits
 - · Monitoring the results of the solution





Poll Question Two

Do you bundle services into a single price?

- a) Yes
- b) No
- c) I do not know





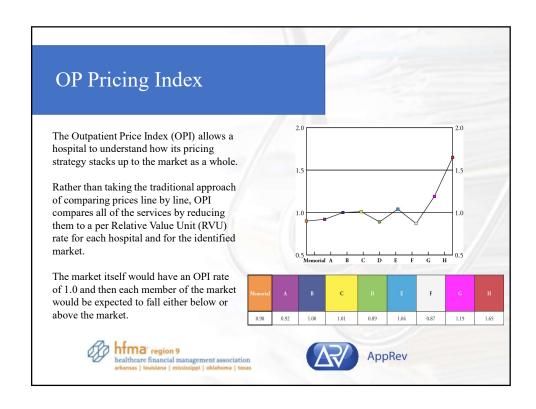
Hospital Pricing Study

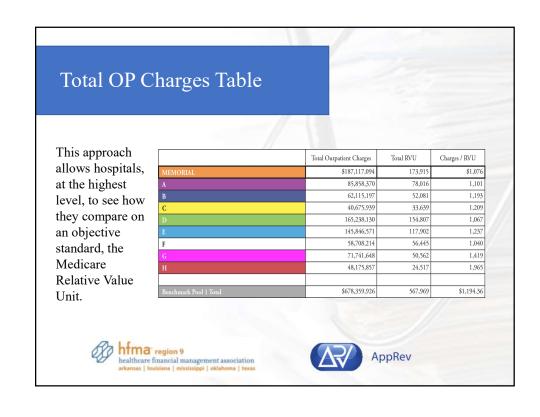
AppRev conducted a comprehensive analysis of a Florida health system's current pricing. The analysis, based on Medicare data, compares the hospital's prices to market for both inpatient and outpatient services.

AppRev has developed a market index for both inpatient and outpatient services. Along with the index are specific examples of outpatient services and inpatient discharges.









Rev Code Data Table

Hospitals can be ranked on this comprehensive approach and subcategories can also be ranked. As shown in the sample data, the price per RVU is 90% of the market's price.

The table is a sample of the distribution of outpatient charges by revenue codes. There are a total of nine hospitals in this analysis.

Although as a whole the system's outpatient charges are only 90% of market on an RVU basis, Cardiology Catheterization services are ranked second in the market and Respiratory Therapy ranks ninth.

Revenue Code Category	count	rank	min	max	avg
Cardiology Catheterization	9	2	\$355	1,047	656
Radiology	9	4	523	1,349	829
CT Scan	9	4	619	2,749	1,249
Operating and Recovery Room	9	5	326	1,519	701
Cardiology Non-Catheterization	9	5	674	1,539	1,173
Emergency Room	9	6	593	3,633	1,644
Occupational Therapy	9	6	140	817	424
Physical Therapy	9	6	176	1,225	530
MRI	9	7	486	1,336	814
Lab, EEG	9	8	525	5,333	2,174
Other	9	9	692	5,887	1,713
Respiratory Therapy	9	9	335	543	405
Speech Therapy	8	2	122	835	492
Blood Administration	8	5	1,366	3,259	2,438



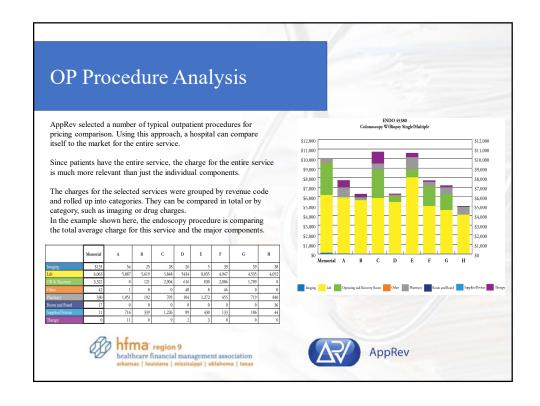


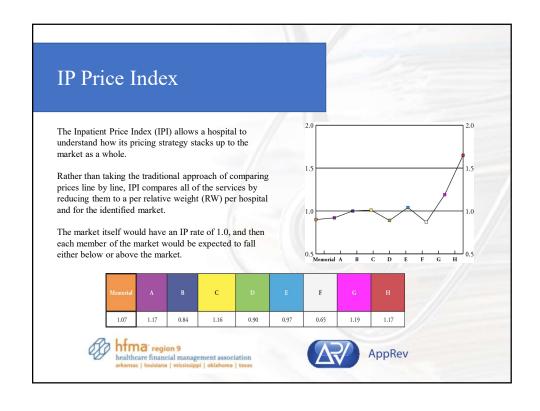
Charge per RVU Table

	Memorial	A		С	D	E	F	G	
Cardiology Catheterization	\$1,037	563	789	1,047	746	358	624	355	771
Radiology	895	765	560	1,066	732	703	523	935	1,349
CT Scan	1,091	1,186	762	619	940	999	789	1,951	2,749
Operating and Recovery Room	573	555	477	1,160	624	326	328	620	1,519
Cardiology Non-Catheterization	1,169	1,539	1,252	1,361	1,103	829	674	1,116	1,513
Emergency Room	1,282	1,272	1,549	1,592	1,791	593	1,130	1,592	3,633
Occupational Therapy	306	248	343	369	506	282	140	684	817
Physical Therapy	368	318	386	454	573	365	176	1,225	743
MRI	641	917	486	649	783	1,012	512	814	1,336
Lab, EEG	1,123	1,450	3,149	525	1,298	1,945	1,843	5,333	1,852
Other	574	776	5,887	1,023	692	2,413	1,042	974	894
Respiratory Therapy	304	466	343	356	543	353	335	497	350
Speech Therapy	691	537		478	675	173	122	835	624
Blood Administration	2,377	3,259	3,138	2,406	2,014		1,366	2,685	2,195

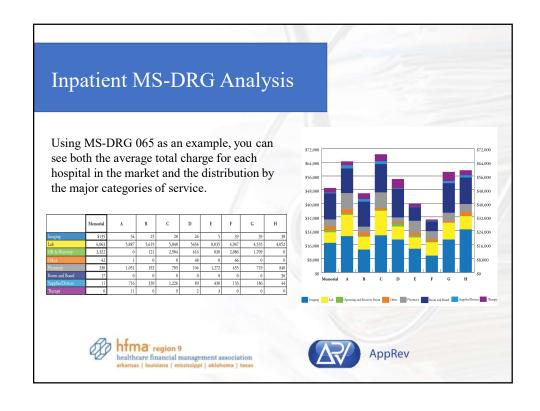








Selected MS-DRGs Intracranial Hemorrhage or Cerebral Infarction w/CC \$26,891 73,949 50,545 065 6 Simple Pneumonia & Pleuresy w/o CC/MCC 25,549 70,639 195 45,571 207 Respiratory System Diagnosis w/Ventilator Support 96+ Hours 34,985 61,608 46,064 52,873 37,547 243 Permanent Cardiac Pacemaker Implant w/CC 26,082 247 Perc Cardiovasc Proc w/Drug-Eluting Stent w/o MCC 36,047 70,903 48,514 Acute Myocardial Infarction, Discharged Alive w/o CC/MCC 282 33,435 61,982 51,322 310 Septicemia or Severe Sepsis w/o MV 96+ hours w/o MCC 34,613 66,833 49,036 470 Major Joint Replacement or Rattachment of Lower Extremity 19,332 46,794 33,885 Septicemia or Severe Sepsis w/o MV 96+ hours w/o MCC 34,875 872 75,696 51,677 healthcare financial management association arkansas | louisiana | mississippi | oklahoma | texas AppRev



Relational Pricing

50 hospitals had more than 70 irrational prices each.

Total Providers	202
Providers with Irrational Codes	177
Total CPTs	197,308
Unique CPTs	5,996
Instances of Irrational CPTs	8,886
FL Provider Misstep Avg	50





Case Study

- Medical Center is a four-hospital, three nursing-home health system with 540 patient beds.
- Facing competition from independent labs and imaging centers
- As the only major hospital in the area there is a tremendous scrutiny of their prices.





Pricing Objectives

Before working with AppRev, price changes were chosen by the CFO, generally by department.

- Some were across the board for the department
- Some departments had no change
- Usually no decreases

Ongoing measurement was very important.





New Approach: Strategic and Transparent

The actual volume and impact for each charge code was now accountable.

 You can change charges all you want, but if there's no volume, there won't be any change in revenue or reimbursement.

Taking into account market position:

 There are some things that need to be individually handled due to marketing priorities.

Using payer terms at the charge code, patient type level:

· Not all payers are created equal ...

CDM is just too big to perform this manually.

The outcome is a more purposeful change in pricing.





Year One Results

The projected gross revenue was actually under the projection.

The price sensitive net revenue was close, but under projection.

The Price Sensitive Net Revenue/Gross Revenue ratio was higher than expected:

- 11.35% increased to 11.61%
- 2,741 prices were increased
- 2,743 prices were decreased
- 838 were unchanged

Ongoing measurement was very important.







About AppRev

AppRev is a privately held Healthcare Business Intelligence company based in Temple, Texas, providing services and technology to more than 80 hospitals throughout the United States and Bermuda. AppRev delivers results through services and technology that allow hospitals and clinics to improve revenue cycle performance.

The company's solutions are provided via web delivered Service Supported SoftwareTM and include Charge Accuracy, Charge Review, Denials Intelligence, Pricing Analytics, CDM and DSH services. All AppRev solutions employ ongoing measurement of revenue cycle improvements and can be tailored to meet customer-specific requirements.



