

Combat Denials with Machine Intelligence

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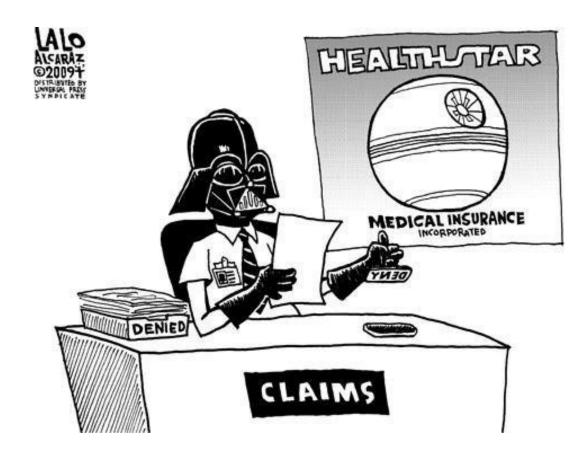
HINS CENTRAL & SOUTHERN OHIO Chapter

Agenda

- Align on Terminology
- Cost of Denials and Increasing Risks
- Managing Denials
- Rejection Prevention
- How Machine Learning and AI can help



The REAL Industry Overview and Market Trends



Denials Defined

- The refusal of an insurance company or carrier to honor a request by an individual (or his or her provider) to pay for health care services obtained from a health care professional <u>https://www.healthinsurance.org/</u>
- Any intentional reduction of payment resulting from the failure to provide medically necessary services in an appropriate setting, failure to follow the payers' technical guidelines, or failure to consistently document for the services provided. (HFMA)

Were you paid what was owed?



Vocabulary of Denials Management

Limiting Denials

Charge Capture Conservative Billing Practices Untimely Billing Incomplete Accounts

Technical

Administrative Errors Missing or Invalid Authorizations

Coordination of Benefit/Eligibility Issues

Under/Over Payment

Contractual Difference Pricing Errors

Clinical

Medical Necessity Level of Care











Vocabulary of Denials Management

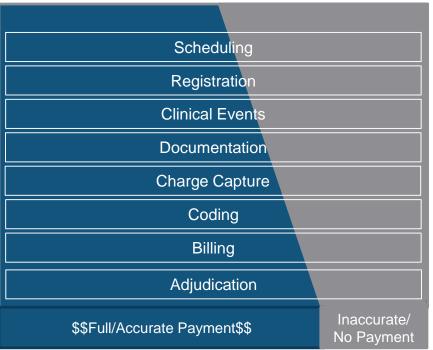


Both increase aged AR and typically require appeal or additional work



Cost of Denials: Revenue Cycle Funnel

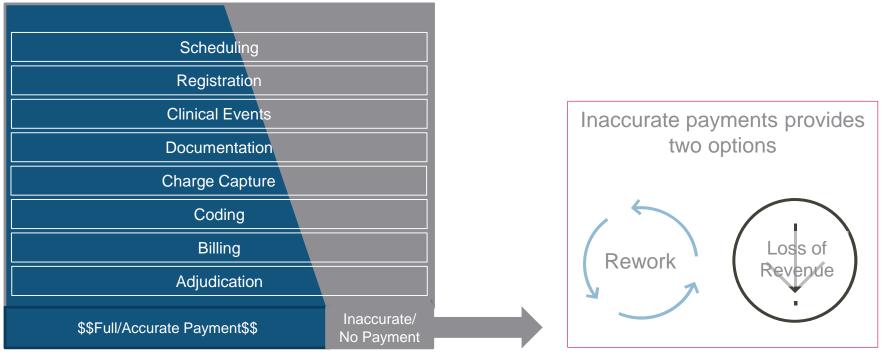
Patient Need for Services





Revenue Cycle Funnel

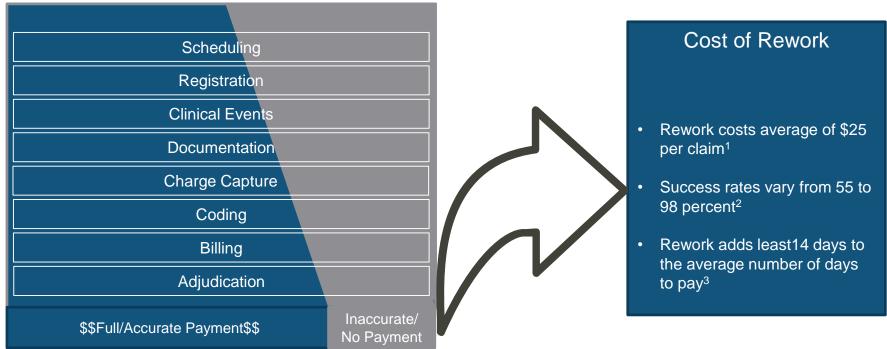
Patient Need for Services





Revenue Cycle Funnel

Patient Need for Services

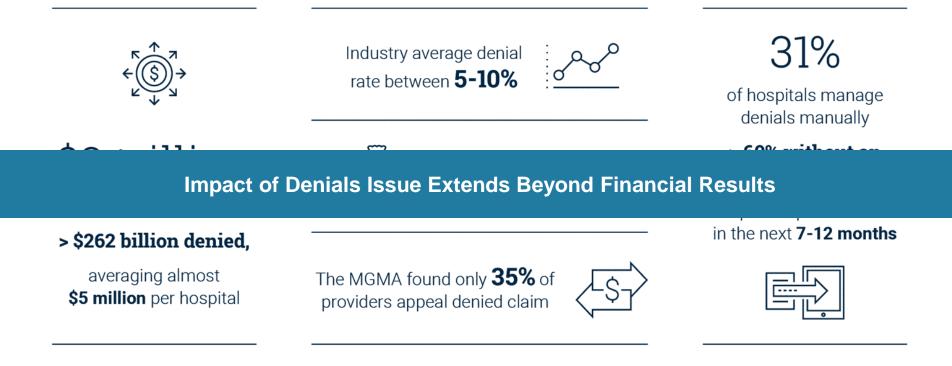


• 1 (Leveraging Data in Healthcare: Best Practices for Controlling, Analyzing, and Using Data, by Rebecca Mendoza Saltiel Busch, CRC Press, 2016, ISBN-13: 978-1-4987-5773-7)

2 (Leveraging Data in Healthcare: Best Practices for Controlling, Analyzing, and Using Data, by Rebecca Mendoza Saltiel Busch, CRC Press, 2016, ISBN-13: 978-1-4987-5773-7)

3 (https://revcycleintelligence.com/news/overcoming-the-top-challenges-of-claims-denial-management-audits)







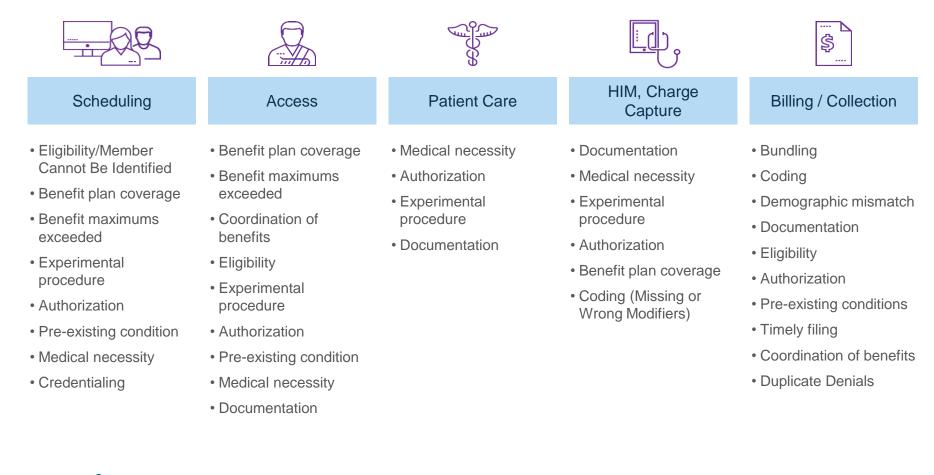
Denials Management



"I GAVE IT A HEALTHY DOSE OF DENIAL, BUT IT DIDN'T HELP."



Revenue Cycle Opportunities for Denial Management





Denials are Difficult to Manage



Resource and expertise intensive



Perceived inability to capture the denial data



Challenging appeals process



Denial information provided by payers not standardized



Constantly changing information



Requires coordination throughout the organization



Measure in Pairs and Overtime

HFMA MAP Keys

- Initial Denial Rate: Zero Pay
- Initial Denial Rate: Partial Pay
- Denials overturned by appeal
- Denial Write-offs as a percent of net revenue

Report and Trend

- Total
- By Payer
- By Service Line
- By Reason
- By Diagnosis or DRG

(Clinical)

Clean Claim Rate & Denials AR Aging & Denial Write-offs



What is the Initial Denial Rate?

Write-off review alone does not answer the important operational questions?

PAYER	TOTAL VOLUME				DE				
PATER	DAYS	1	AMOUNT	DAYS		AMOUNT	RATE(DAYS)	RATE(\$)	DAYS
	9,088	\$	16,805,114	161	\$	567,619	1.77%	3.38%	161
	2,024	\$	4,567,881	303	\$	467,518	14.97%	10.23%	
	1,483	\$	2,489,455	232	\$	313,364	15.64%	12.59%	232
	4,551	\$	10,277,406	55	\$	289,075	1.21%	2.81%	
	274	\$	550,411	37	\$	71,224	13.50%	12.94%	37
	2,153	\$	3,939,606	19	\$	71,044	0.88%	1.80%	19
	2715	\$	5,989,935	8	303 \$ 467,518 14.97% 10.23% 303 \$ 232 \$ 313,364 15.64% 12.59% 232 \$ 55 \$ 289,075 1.21% 2.81% 55 \$ 37 \$ 71,224 13.50% 12.94% 37 \$				
Payor names	18	\$	57,145	3	\$	51,334	16.67%	89.83%	3
r ayor names	13	\$	45,416	5	\$	28,248	38.46%	62.20%	5
	1,940	\$	3,687,039	16	\$	23,968	0.82%	0.65%	16
	1,544	\$	4,776,871	4	\$	14,052	0.26%	0.29%	4
	19	\$	19,294	2	\$	9,480	10.53%	49.13%	2
	367	\$	1,047,392	3	\$	8,246	0.82%	0.79%	3
	560	\$	1,791,163	2	\$	7,922	0.36%	0.44%	2
	3	\$	5,523	3	\$	5,523	100.00%	100.00%	3
	3,173	\$	5,768,908	4	\$	8,012	0.13%	0.14%	4
TAL	29,925	\$	61,818,559	857	\$	1,994,330	2.86%	3.23%	857
YS & AMOUNT									
SELINE : DISCHARGE DATE									
TIENT TYPE(S) INCLUDED : INPATIENT									

PAYER(S) EXCLUDED : SELF PAY, CHARITY CARE, MEDICARE, MEDICAID, OTHER - CHARITY CARE, OTHER - SELF PAY DISCHARGE DATES: 1/1/2016-2/29/2016

TOT DAY BAS

		DENIAL RATE(PRE-APPEAL)											
	DAYS	4	MOUNT	RATE(DAYS)	RATE(\$)								
	161	\$	567,619	1.77%	3.38%								
	303	\$	467,518	14.97%	10.23%								
	232	\$	313,364	15.64%	12.59%								
5	55	\$	289,075	1.21%	2.81%								
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	4	\$	8,012	0.13%	0.14%								
	857	\$	1,994,330	2.86%	3.23%								

Measure denials in **volumes** and **dollars**



What is the Rate of Appeal?

Dashboard Pa	ayer and Insurance	e Inventory Trends	Client Detail	Detail Compar	ison										
Client Name	Hospital Na	me Ipop Status	Servic	е Туре	Primary DMS	Payer P	ayer Pursued	Denia	Reason Type	Summary Reas	on	Year or M	onth Chart	Discharg	ge Year
(All)	▼ (All)	▼ (AII)	▼ (All)	•	(All)	•	All)	▼ (All)	•	(All)	•	Years		▼ (All)	
			201	3	201	14	20	15	1	016		2017		Grand	d Total
	-		#	\$	#		5 #		\$	≠ s		#	s	#	
Denials Referred			34,000	\$152,728,998	40,980	\$154,432,85	51,722	\$224,324,0	25 45,30	\$176,721,737		559	\$1,968,794	172,561	\$710
Denials In Review	Denials in Review	In Review Before Appeal	1	\$138	16	\$83,62	9 98	\$417,3	57 5,25	\$10,011,410		434	\$1,345,987	5,808	\$11
Denials Closed	Denials Closed	Closed Before Appeal	20,282	\$38,052,371	23,889	\$28,515,58	2 22,079	\$31,611,7	06 20,28	\$17,773,608		56	\$3,658	86,586	\$115
Demais Appealed	NOT Resolved	Outstanding	31	\$98,948	450	\$1,470,73	4,583	\$11,353,1	6,57	\$60,276,395		68	\$615,153	13,708	\$73
	Resolved	Upheld	9,221	\$75,542,404	11,051	\$69,975,34	2 15,626	\$94,532,2	95 7,38	7 \$48,579,250		1	\$3,997	43,286	\$288
		Won	4,465	\$39,035,137	5,574	\$54,387,57	4 9,336	\$86,409,5	3,79	\$40,081,073				23,173	\$219

Find the overturn **sweet spot**

Upheld	42,386	\$288,633,288
Won	23,173	\$219,799,726
Total	65,559	\$508,433,014
Overturn Rate	35%	43%



How Effective are the Appeals?

(All)	Hospital Na (All)	me Ipop Status (All)	Servic (All)	е Туре	Primary DMS (All)	Payer Pay	er Pursued	Venial R	eason Type	Summary Reaso (All)	on Yea • Yea	r or Month Chart ars	Discharg (All)	ge Yea
			201	3 \$	201	4	2015 #	;	20	16 S		2017 # S	Grand	d Tota
Denials Referred			34,000	\$152,728,998	40,980	\$154,432,859	51,722	\$224,324,025	45,300	\$176,721,737	55	9 \$1,968,794	172,561	\$
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	Resolved	Upheld	9,221	\$75,542,404	11,051	\$69,975,342	15,626	\$94,532,295	7,387	\$48,579,250		1 \$3,997	43,286	; ;
		Won	4,465	\$39.035.137	5,574	\$54,387,574	9,336	\$86,409,503	3.798	\$40.081.073			23,173	

Are you appealing the right cases?

Are there cases that are **unappealable**?

What is the **lag time** from referral to submission?

			Grand Total			
Denials Referred			172,561	\$710,543,657		
Denials Appealed	Not Resolved	Outstanding	13,708	\$73,814,392		
	Resolved	Upheld	43,286	\$288,633,288		
		Won	23,173	\$219,799,726		



What is the Cost to Recover?

Appeals are the most **expensive** and **lengthiest** way to collect what is rightfully owed

Prevention is a better way

Replace text box with chapter logo

Denial Prevention

Denials are not addressable without understanding root cause

Managers and analysts need timely and actionable data

Visibility and partnership is needed across the revenue cycle and organization

A Comprehensive denial prevention strategy is required for long term success

Normalize Data to Make it Meaningful

N64 – claim information is inconsistent with pre-certified/ authorized services

ANSI Codes are a result; they **do not** tell you **why** and **what** needs to be corrected

----- No authorization?

Review root cause and address scheduling and access?

Bundling?

Service is not separately reimbursable, review for possible billing edit?

Service outside of authorization?

Review with treatment team to identify whether additional services were performed and why?

I..... Not a denial?

Notification from payor about known reimbursement policy?



Comprehensive Payor Contracting strategy

Scorecards

- Denial trends
- Overturn rates

Payor Websites and Notifications

Access to updated policies and procedures

Professional Groups

- Local chapters are a great source of information

Work with Payor Contracting Team

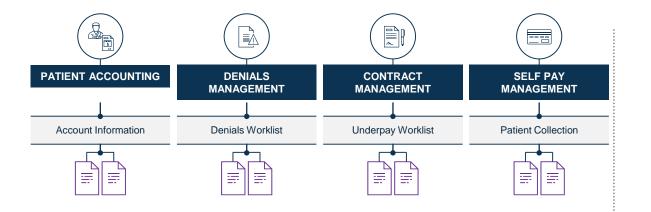
- Build protection into contracts
- Financial impact of policy changes

Payor Relations

Your representative needs to be part of your team



Connect Disparate Systems and Processes and Leverage Technology



Typical Disparate Denials Technology

Multiple disjointed IT Systems

Inability to accurately identify denial root cause

Inefficiencies routing accounts to the appropriate team



Create Governance, Ownership, and Accountability

Denials avoidance requires significant effort across the revenue cycle.

While two-thirds of denials are recoverable, **90% of denials are preventable.**

Without sustainable process improvement, technology and analytics alone will only provide a fraction of the possible results hospitals can achieve.

Committee/Task Force

Representation

- **Revenue Integrity**
- Managed Care/Contracting
- Care Coordination (UM/UR)
- Billing
- Coding
- Patient Access
- IT

Payor Feedback/Partnerships Organizational Support

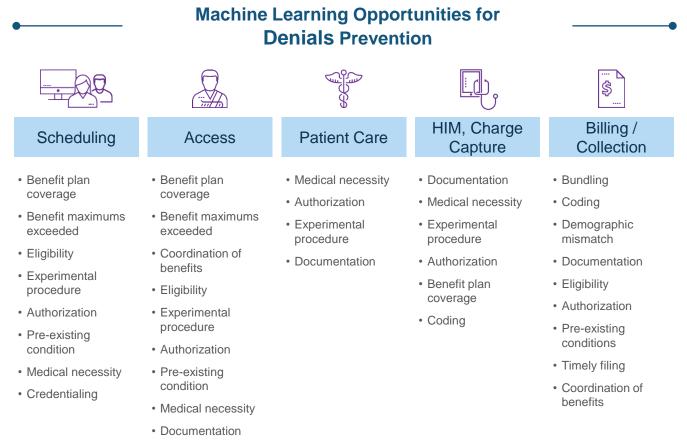


Management is Required; Denial Prevention is Key

- The goal is to move away from working denials to systemically preventing them
 - Beyond Bill Scrubbers and PAS Edits
- Recognize that eliminating 100 percent of denials is not possible
 - Continually improve and drive down top reasons
 - Small improvements can drive large financial results
 - Leverage technology to solve high volume low dollar issues
- Proactive vs. reactive
 - Denial Task Force
 - Payor Engagement
 - Root Cause

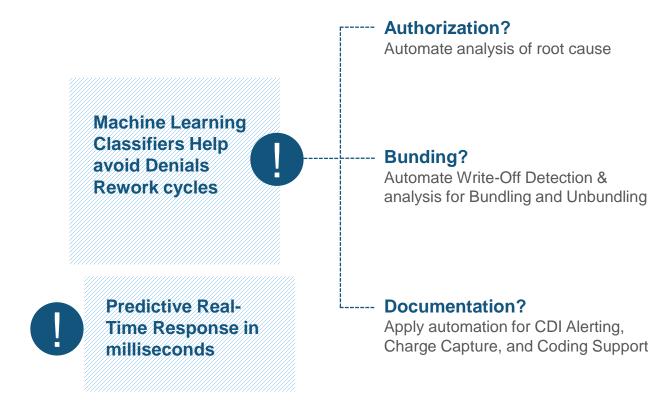


Denials Prevention Throughout Revenue Cycle



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Productivity & Efficiency are Challenges with Denials





Machine Learning Coupled to Charge Capture Audit and Denials Prevention Supports Revenue Integrity



Revenue Integrity

Program to recognize the full value of every patient encounter

AI & Machine Learning Impact the Revenue Integrity Process with Efficiency and Accuracy Improvements



Machine Learning + Full-service revenue integrity

- Processes
- Policies
- Practices
- Staffing
- Contract content







From Patient-to-Payment,[™] nThrive empowers health care for every one in every community.[®]

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