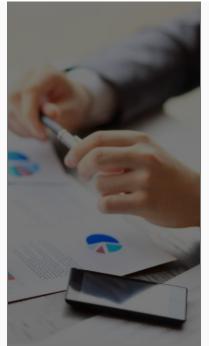
The Art of Benchmarking Risk

Without Needing a Statistics Degree





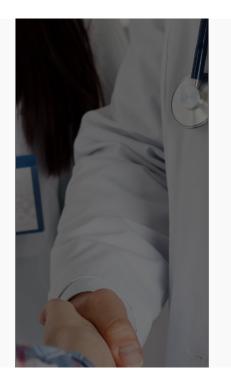


Why Benchmark to Begin With? Reactive Auditing Trend

- · The current reactive approach to auditing and monitoring
 - Just responding to audit requests
 - Conducting documentation reviews entirely in random
 - Benchmarking without a set action plan
- · Reasons why this reactive approach is still being used
 - Data issues
 - Understanding benchmarking
 - Restricted FTE and tech resources
 - Fear of knowing

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Becoming Proactive with Provider Benchmarking

- Develop benchmarking and data analytic capabilities that mirror methods being used by the OIG, DOJ, CMS etc.
 - Focus your limited auditing and monitoring resources towards providers based on risk
 - Reduce workload on the auditing team
 - Provide transparency throughout the organization and increase the effectiveness of strategic planning
 - Due diligence of new practices

Туре	Contractors	Comments	
Medicare Administrative Contractors (MACs)	 National Government Services 	 Process claims and provider payments Reduce payment error rates 	
Zone Program Integrity Contractors (ZPICs)	 Cahaba Safeguard Administrators 	 Focus on identifying fraud All providers Data mining and analysis 	
Supplemental Medical Review Contractor (SMRC)	 Strategic Health Solutions 	 Nationwide claim review All providers Data mining and analysis 	AUDITING Healthcare Providers
Comprehensive Error Rate Testing Contractors (CERT)	Multiple contractors	 Annual audits to determine FFS error rates All provider types 	An Example: Illinois
Recovery Audit Contractors (RACs)	 CGI Technologies (Medicare) HMS (Medicaid) 	 Identify over and under payment errors 	
DHHS – Office of Inspector General (OIG)	• N/A	 Audits and investigations Annual Work Plan published 	
Department of Justice [DOJ]	* N/A	Enforcement actions under the False Claims Act	
Medicaid Inspector General	 IL Dept. of Healthcare and Family Services 	 Aggressively using extrapolation for repayment liabilities 	

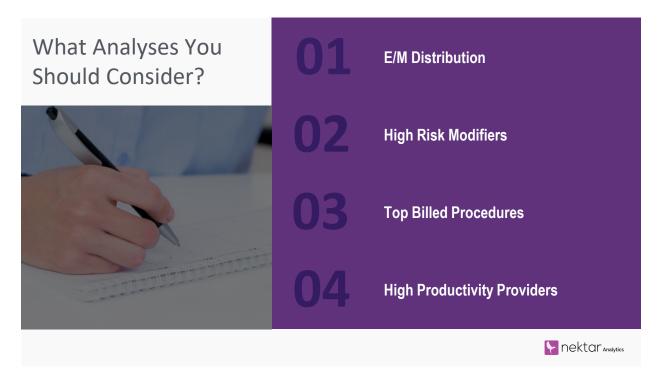




Availability of Provider Data Online

How easy it is to find out who your outliers are online...

Live Example



• CMS Utilization Raw Data

- Sub-Specialty Bias
- Payer Mix Bias
- MGMA Surveys and Benchmarking Data
 - Understand Volume of Data Included (Total / Specialty / Locality)
- CMS Utilization & Payments Data
 - Line Item Data Not Included on Services Performed on Small Number of Patients

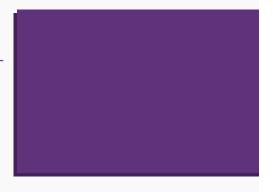
Understanding Peer Group Data



20	Physician/Orthopedic	207X00000X	Allopathic & Osteopathic Physicians/Orthopaedic Surgery
	Surgery	207XS0114X	Allopathic & Osteopathic Physicians/Orthopaedic Surgery, Adult Reconstructive Orthopaedic
	1.		Surgery
		207XX0004X	Allopathic & Osteopathic Physicians/Orthopaedic Surgery, Foot and Ankle Surgery
		207XS0106X	Allopathic & Osteopathic Physicians/Orthopaedic Surgery, Hand Surgery
		207XS0117X	Allopathic & Osteopathic Physicians/Orthopaedic Surgery, Orthopaedic Surgery of the Spine
		207XX0801X	Allopathic & Osteopathic Physicians/Orthopaedic Surgery, Orthopaedic Trauma
		207XP3100X	Allopathic & Osteopathic Physicians/Orthopaedic Surgery, Pediatric Orthopaedic Surgery
		207XX0005X	Allopathic & Osteopathic Physicians/Orthonaedic Surgery, Sports Medicine

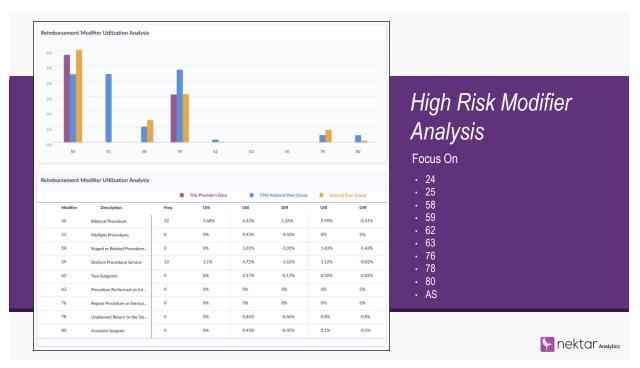
Example of CMS Sub-Specialty Bias

 Understanding the make-up of the peer group data is critical when attempting to make determinations on the results



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					•	This Provider's	Data	CI	MS National Peer	Group	
	Rank 🔻	СРТ	Description	Fee	Freq	Util	Gross Charges	Rank	Util	Diff	
3	1	99214	Office/outpatient visit est	\$109.44	245	30.39%	\$26,812.50	3	6.66%	23.73%	
3	2	99204	Office/outpatient visit new	\$167.40	147	18.23%	\$24,607.52	13	1.71%	16.52%	
	3	99024	Postop follow-up visit	\$0.00	122	15.13%	\$0.00	14	1.37%	13.76%	
	4	73564	X-ray exam knee 4 or more	\$40.32	104	12.9%	\$4,193.23	12	1.88%	11.02%	Top Bil
	5	73030	X-ray exam of shoulder	\$29.88	32	3.97%	\$956.14	8	2.74%	1.23%	Procedu
	6	29881	Knee arthroscopy/surgery	\$561.59	24	2.97%	\$13,478.25				All Service
	7	29827	Arthroscop rotator cuff repr	\$1,093.31	16	1.98%	\$17,492.92				Include
	8	99213	Office/outpatient visit est	\$74.16	15	1.86%	\$1,112.38	1	16.55%	-14.69%	
	9	29826	Shoulder arthroscopy/surgery	\$183.24	14	1.73%	\$2,565.33				
	10	29824	Shoulder arthroscopy/surgery	\$690.83	12	1.48%	\$8,289.98				
	11	29888	Knee arthroscopy/surgery	\$1,021.67	7	0.86%	\$7,151.68				
	12	99215	Office/outpatient visit est	\$147.60	7	0.86%	\$1,033.18				
	13	73560	X-ray exam of knee 1 or 2	\$31.68	7	0.86%	\$221.75	10	2.19%	-1.33%	

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	Only Surgi	cal Services	Billed with a Fee > \$0 (1004	10 - 69990)							
						This Provider's Data			CMS National Peer Group		
	Rank 💌	СРТ	Description	Fee	Freq	Util	Gross Charges	Rank	Util	Diff	
	1	29881	Knee arthroscopy/surgery	\$561.59	24	24.48%	\$13,478.25	16	0.76%	23.72%	
Top Billed	2	29827	Arthroscop rotator cuff repr	\$1,093.31	16	16.32%	\$17,492.92	14	0.88%	15.44%	
Top Billed Procedures	3	29826	Shoulder arthroscopy/surgery	\$183.24	14	14.28%	\$2,565.33	10	1.05%	13.23%	
Only Surgical	4	29824	Shoulder arthroscopy/surgery	\$690.83	12	12.24%	\$8,289.98	25	0.52%	11.72%	
Services Included	5	27447	Total knee arthroplasty	\$1,408.30	7	7.14%	\$9,858.13	3	4.12%	3.02%	
	6	29888	Knee arthroscopy/surgery	\$1,021.67	7	7.14%	\$7,151.68				
	7	20610	Drain/inj joint/bursa w/o us	\$61.92	6	6.12%	\$371.51	1	41.01%	-34.89%	
	8	20985	Cptr-asst dir ms px	\$153.36	3	3.06%	\$460.07				
	9	29828	Arthroscopy biceps tenodesis	\$943.19	2	2.04%	\$1,886.37				
	10	29877	Knee arthroscopy/surgery	\$644.39	2	2.04%	\$1,288.78				

		in 2015 -	6 ()	0
\$888 Total pa	9,476 Orthopedic Surgery 11900 E 12 MILE RD SUITE 110 yments	WARREN, MICH.		
Year	Total Payments	Number of Patients	Payments per Patient	
2015	\$888,476	1,227	\$724	
2014	\$1,070,623	1,276	\$839	
2013	\$1,136,984	1,156	\$984	
012	\$1,172,712	1,338	\$876	
rovid		TEWIDE s to 677 other providers in Michigan speci Number of Patients: 1,227	ializing in Orthopedic Surgery : Payments per Patient: \$724	
015	100th percentile statewide	100th percentile statewide	95th percentile statewide	-

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Analysis Construction Walk-Through

The Do It Yourself Version

View Excel Example





How to Build Thresholds into your Analysis Results

View Excel Example



- Understanding the Goal of the Audit
 - Yearly Compliance Coding Review
 - Due Diligence Project
 - Highly Compensated Providers
 - Outside Sources
- Build Prioritization Methodology
- 1. What is the goal of the audit?
- 2. What is your resource capacity?
- 3. How do we operationally conduct audits?
 - 1. By Facility?
 - 2. Are auditors are assigned specific groups of providers?

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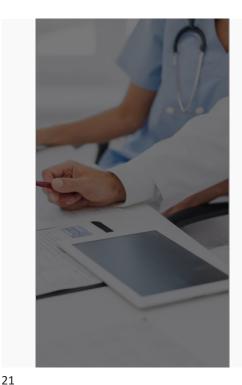


Actual Audit Plan Examples Utilized by Health Systems

View Excel Example

Using Benchmarking for Acquisitions – Due Diligence

- Benchmarking of data is key initial step in due diligence for physician employment or acquisitions
 - Identify potential risks prior to closing
 - 1. Go or No Go
 - Identify compliance issues
 - Identify opportunities for integration
 - 1. Education
 - 2. Coding and Billing Hold



Audit Odds & Ends

- Sampling process/consideration:
 - Retrospective claims (prior 3 months)
 - Non-statistical sampling e.g. judgment sampling
 - Population is stratified (stratums) based on benchmarking
 - Sample size small samples based on risk
 - Extrapolation NONE
 - 1. Since the sample size was controlled by the auditor it cannot be measured
- Analysis of Sample
 - Provider documentation in comparison to CPT codes
 - Accuracy of diagnoses
 - Accuracy of place of service codes
 - Functionality an use of the EMR system

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Questions & Contact Information Please reach out if you have questions or need help starting risk assessment benchmarking and building a proactive audit plans.

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