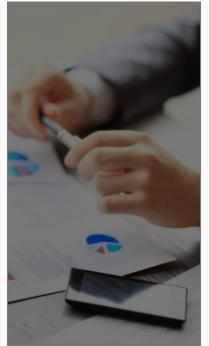
# The Art of Benchmarking Risk

Without Needing a Statistics Degree





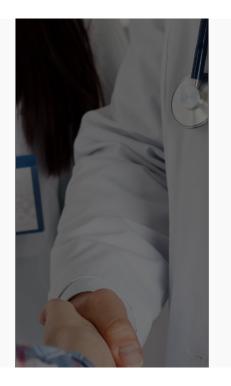


### Why Benchmark to Begin With? Reactive Auditing Trend

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

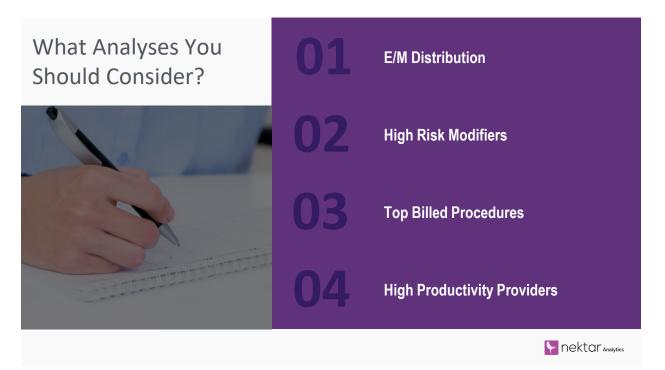




# Availability of Provider Data Online

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

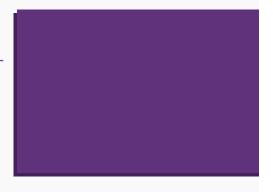
### Understanding Peer Group Data



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

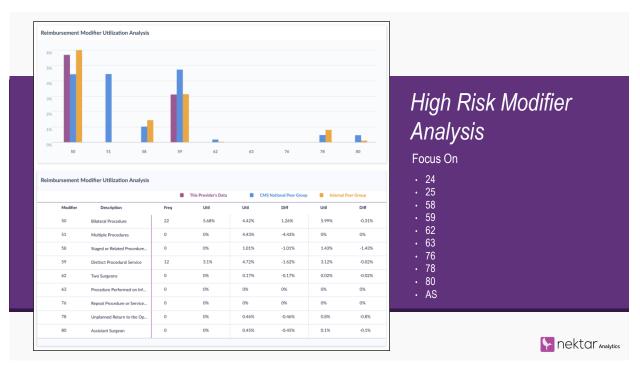
### Example of CMS Sub-Specialty Bias

 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 <b>2015</b> -	6 ()	0
<b>\$888</b> 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 <b>677</b> other providers in <b>Michigan</b> speci Number of Patients: <b>1,227</b>	ializing in <b>Orthopedic Surgery</b> : Payments per Patient: <b>\$724</b>	
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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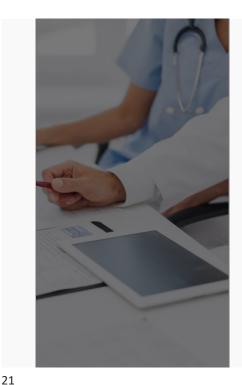


# Actual Audit Plan Examples Utilized by Health Systems

# 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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