Opioid Prescribing Provider Quality Analysis

Opioid Use and Enhancing Data When Reviewing Health and Safety Issues

Innovu's industry leading data analytics and Quantros' quality metrics work together to enhance the examination of plan data to identify participants who are exceeding the recommended dosage of opiates. These advanced analytics also identify the prescribing physicians, while noting their quality scores based on industry benchmarks.

Background

- In the midst of a nationwide opioid epidemic, employers recognize the health and safety risk prescription drugs could have on their employees and their families.

- Traditionally, to monitor over prescription/ overuse, 3rd Party Administrators (TPAs) analyze claims data to identify potential doctor shopping, pharmacy shopping and/or overuse of opioids for pain management.

Situation

- Claims data for a public entity, plan sponsor, triggered concern that a plan participant was overusing high doses of opiates.

- The data indicated that medication was prescribed by 4 different providers at a dosage of 3 tablets/day for 19 months.

- The client immediately had concerns that personal and public safety could be at risk.

The Innovu/Quantros Difference:

- The Innovu/Quantros partnership incorporated quality metrics into traditional data analysis. In this case, that quality data provided further insights into the treating physicians that were not available through the claims data alone.

- The supplemental quality data substantiated that the plan participant did not appear to be doctor shopping. Innovu confirmed that the providers, three of whom were in the same practice, were all high performers based on physician quality rankings.

- The Quantros quality metrics, coupled with Innovu analysis, resulted in the calming of a previously high level issue for the employer. As a result, the TPA was able to properly and thoroughly investigate the case for appropriate use of opioids for the pain management of this specific individual.

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Compare Quality of Multiple-Opioid Prescribers for the Same Member

Plan Member with back pain using opioids prescribed from 4 different providers (Medical Model)

Year number					2020		2021		2022		Row Totals	
	Provider NPI	Age Range	Drug Product Name	Dosage Strength	Drug quantity dispensed	Prescribed days supplied	Drug quantity dispensed	Prescribed days supplied	Drug quantity dispensed	Prescribed days supplied	Drug quantity dispensed	Prescribed days supplied
1	XXXXXX1778	46-55	Pain Medicine	30 MG	270	90	360	120	90	30	720	240
2	XXXXXX3456	46-55	Pain Medicine	30 MG	90	30	90	30	90	30	270	90
3	XXXXXX7327	46-55	Pain Medicine	30 MG			360	120			360	120
4	XXXXXX2944	46-55	Pain Medicine	30 MG			270	90			270	90

Quality scores for each opioid prescribing provider (Lookup Model)

	Provider NPI	Major Practice Category	Specialization	Display Name	Quality Score	Efficiency Score	Value Score
1	XXXXXX7327	ORTHOPEDICS & RHEUMATOLOGY	Pain Medicine	Pain Medicine Physician	85.86	0.82	19.76
2	XXXXXX1778	ORTHOPEDICS & RHEUMATOLOGY	Pain Medicine	Physical Medicine & Rehabilitation Physician	70.06	13.08	22.62
3	XXXXXX2944	ORTHOPEDICS & RHEUMATOLOGY	Pain Medicine	Pain Medicine Physician	84.92	1.86	20.08
4	XXXXXX3456	ORTHOPEDICS & RHEUMATOLOGY	Pain Medicine	Physical Medicine (Anesthesiology) Physician	43.92	13.47	13.37

Key Findings in the Quantros Analysis:

A plan member between the ages of 46-55, who was taking high dose opioids everyday for a period lasting more than 19 months. The member was prescribed opioids by 4 different prescribing providers for the treatment of chronic low back pain.

Innovu used the Quantros Provider Lookup model to determine:

1. **Were the prescribing providers part of the same medical practice?**
   3 of the 4 providers appear to be in the same medical practice.

2. **What are the providers medical specialty?**
   3 of the 4 providers specialize in pain medicine.

3. **Are the provider quality scores specific for orthopedic conditions above or below the 50th percentile in the benchmark dataset?**
   1 provider that specializes in pain medicine is below the 50th percentile compared to his peers. The other 3 providers are in the 80th percentile.