

Provider Network Optimization Dataset

PNOD v1.0 — Product Overview

Executive Summary

The Provider Network Optimization Dataset (PNOD) is an enterprise-grade, Platinum-certified commercial intelligence dataset developed by IntelligentPlatforms.net. The dataset contains 1,000,000 provider records across 125 intelligence fields spanning 12 domains: Provider Core, Specialty, Geographic, Network, Network Adequacy, Quality, Referral, Financial, Utilization, Compliance & Credentialing, Network Performance, and Predictive Intelligence.

Sourced from CMS NPPES, PECOS, Medicare Utilization data, NUCC Taxonomy codes, HRSA HPSA designations, NCQA HEDIS measures, and CMS Star Ratings, the PNOD delivers 82.0% real-world sourced intelligence. Classified as Class A — Operational Transaction Dataset, it achieves Platinum certification with a score of 96.8/100.

Dataset Specifications

Dataset Name	Provider Network Optimization Dataset
Acronym	PNOD v1.0
Classification	Class A — Operational Transaction Dataset
Certification	Platinum — Score 96.8/100
Record Count	1,000,000 records
Field Count	125 fields
Intelligence Domains	12 domains
Source Intelligence	82.0% PUBLIC_SOURCE / real-world sourced
Coverage	All 50 U.S. states
Build Date	June 03, 2026
Publisher	IntelligentPlatforms.net

Intelligence Domains

Domain	Key Fields
1. Provider Core Intelligence	NPI, credentials, board certification, license, malpractice, sanctions
2. Specialty Intelligence	NUCC taxonomy codes, specialty category, practice setting, telehealth
3. Geographic Intelligence	State, city, ZIP, lat/long, urban/rural, HPSA designation, distance/drive time
4. Network Intelligence	Network tier, contract dates, panel size, accepting status, termination
5. Network Adequacy Intelligence	Adequacy standards, distance/ratio compliance, access scores, gap flags
6. Quality Intelligence	Quality score, HEDIS composite, Star rating, CAHPS, readmission rate

7. Referral Intelligence	Referral count, in/out-of-network rates, leakage rate, leakage category
8. Financial Intelligence	Contracted rate, Medicare ratio, cost per episode, annual spend, VBC flags
9. Utilization Intelligence	Visits per member, procedure volume, ER utilization, preventable admissions
10. Compliance & Credentialing	Credentialing status/score, license expiry, DEA, CAQH, exclusion flag
11. Network Performance Intelligence	Performance score, provider scorecard, strategic value, retention priority
12. Predictive Intelligence	Predicted leakage, quality, retention probability, termination probability

Commercial Applications

- Provider network adequacy analysis and gap identification
- Network leakage detection and referral pattern optimization
- Provider credentialing and recredentialing workflow automation
- Value-based contract performance monitoring
- Network tiering and preferred provider designation
- Provider recruitment and retention strategy
- CMS Star Ratings and HEDIS performance improvement
- Network adequacy regulatory compliance (CMS, NCQA, URAC)
- AI/ML training for provider risk scoring and network optimization
- Health plan network design and competitive benchmarking