



Standards Surpassed.

10x Improvement in NCDR Key Variable Completion

The Challenge

A healthcare organization struggled with incomplete data capture for key NCDR (National Cardiovascular Data Registry) cath and PCI (Percutaneous Coronary Intervention) variables. Their completion rate for these critical fields was a low 10%, resulting in an incomplete picture of their cardiac procedures and hindering their ability to fully participate in quality improvement initiatives, benchmark performance, and accurately report outcomes to the NCDR. This incomplete data also limited their ability to gain valuable insights from their registry data.



The Solution

To address this significant data gap, the healthcare organization partnered with Carta Healthcare's expert data abstraction team. Carta Healthcare implemented a multi-faceted approach focused on:

Comprehensive Data Element Understanding: Carta Healthcare's team brought deep knowledge of the specific data requirements and definitions for all key NCDR cath and PCI variables.

Enhanced Documentation Review: Their abstractors conducted thorough and detailed reviews of patient charts and procedural documentation to identify and capture all relevant information.

Targeted Training and Education: Carta Healthcare likely provided education and guidance to the organization's staff (and their own abstraction team) on the importance of complete documentation for these critical variables and how to accurately record them.

AI-Powered Assistance (Implied): While not explicitly stated, Carta Healthcare's Atlas platform (mentioned in previous examples) likely played a role in identifying potential missing data points and guiding the abstraction process.

Focus on Frequently Missed Variables: A specific focus was placed on increasing the documentation of frequently missed variables, such as TIMI (Thrombolysis in Myocardial Infarction) flow, which saw a dramatic improvement.



The Impact:

Unified Data Enabled True Performance Insight

The strategic partnership with Carta Healthcare led to a remarkable transformation in the organization's NCDR cath and PCI data capture:

50% Increase in Vascular Case Capture: The organization saw a significant 50% increase in the overall capture of vascular cases for the registry, indicating a more comprehensive inclusion of relevant patient data.

10x Improvement in Key Variable Completion: Most notably, the completion rate for key NCDR cath and PCI variables surged from a mere 10% to an outstanding 100%. This complete data capture provided a comprehensive and accurate representation of their cardiac procedures.

Accurate Quality Reporting: With complete data, the organization could now generate accurate and reliable reports for the NCDR, enabling meaningful benchmarking and participation in quality improvement programs.

Enhanced Data Insights: The availability of complete data unlocked valuable insights into their cath and PCI procedures, allowing for a deeper understanding of outcomes and identification of best practices.

Improved Patient Care: Ultimately, more complete and accurate data supports better decision-making and contributes to the ongoing improvement of patient care within the cardiovascular service line.



The Conclusion

This case study demonstrates Carta Healthcare's expertise in identifying and resolving critical data capture challenges. By focusing on comprehensive understanding, thorough review, and targeted strategies, Carta Healthcare empowered this healthcare organization to achieve complete and accurate data for key NCDR cath and PCI variables, transforming their ability to participate in quality initiatives and ultimately improve patient outcomes. The dramatic increase in data completion highlights the significant value of expert data abstraction in maximizing the utility of clinical registry data.