

Case study

Monongahela Valley Hospital

Destination Center of Superior Performance

Background

Monongahela Valley Hospital is a 210 bed hospital, located in the metropolitan area of Pittsburgh. Located at the crossroads of Pennsylvania's interstates, patients have no shortage of options in where to receive their healthcare. In an effort to differentiate their joint replacement program and establish themselves as a leader in Orthopedics, they partnered with Stryker's Performance Solutions to implement a Destination Center of Superior Performance for Total Joint Replacement in 2012. Leveraging the model developed by Dr. Marshall Steele, Stryker helped Monongahela Valley implement The Orthopedic Institute at Monongahela Valley. The patient-centric program offers a unique experience to help guide patients and their family through the entire continuum.

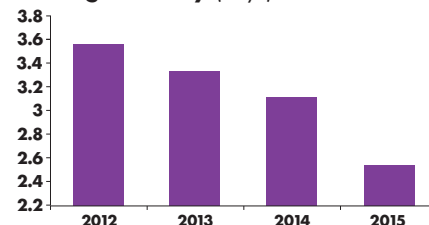
Results

The Orthopedic Institute at Monongahela Valley Hospital continues to experience continuous improvements across many key operational and clinical metrics.

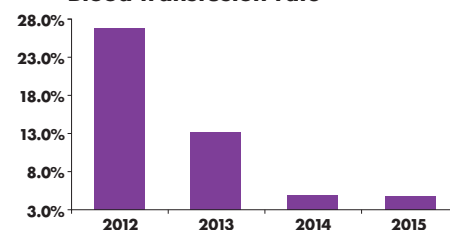
- Length of stay declined by one full day, resulting in a cost savings of \$178,715.
- Blood transfusions decreased by 81%, resulting in a cost savings of \$56,300.
- Patient ambulation has increased by 86% for the number of patients that walk over 300 feet prior to discharge.
- Discharge to home rate increased to 87%.

Together on a quarterly basis, Monongahela Valley and Stryker analyze the joint replacement data to identify areas for ongoing performance improvement and opportunity. Using outcomes data to create and implement strategic action plans, adhering to industry best practices and embracing a culture of continuous improvement, has allowed Monongahela Valley to differentiate themselves as a leader in orthopaedic care.

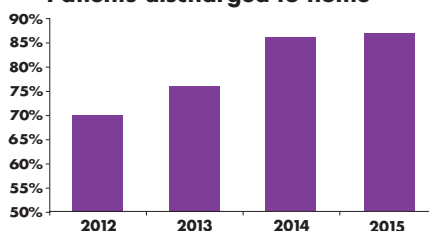
Length of stay (days)



Blood transfusion rate



Patients discharged to home



14%

increase in patient volume

Putting **your** health first.



"What I like best about the structure we have in place is that it empowers everyone (housekeeping, physicians, nursing, OR, PT, pharmacy, etc.) to make valuable contributions to the episode of care for our total joint patients."

– Dr. Thomas F. Brockmeyer
orthopedic surgeon



Monongahela Valley Hospital

Pittsburgh, PA

Region: Northeast

Methods

With the help of Stryker's program management team, key staff and physicians from Monongahela Valley utilized the proprietary 4 A's Methodology to build and implement a customized service line program that was based on the hospital's unique strengths and opportunities.

Assess

Assess | Together Stryker and Monongahela Valley assessed and benchmarked current service line programs, processes and outcomes to help understand their potential opportunities.

Architect

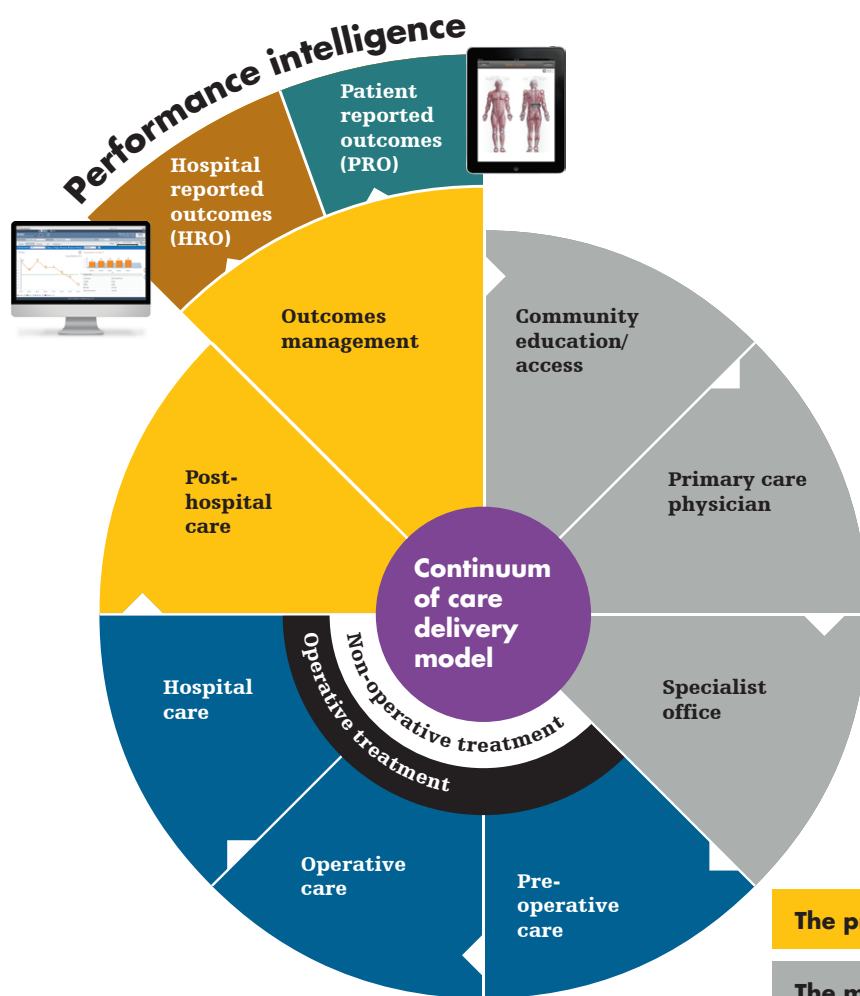
Architect | Based on the assessment findings, Stryker helped Monongahela Valley architect a project plan to achieve service line goals and objectives.

Assemble

Assemble | Stryker and Monongahela Valley assembled a dedicated performance improvement team to help implement the necessary processes and protocols for the service line program success.

Assure

Assure | Stryker benchmarked and reported the clinical, operational and patient performance data Monongahela Valley needed to assure their service line program was on the pathway to sustainable success.



Why Stryker?

Stryker's Performance Solutions partners with hospitals and physician practices to help improve quality outcomes, patient satisfaction and profitability. We work closely with you to strengthen your orthopedic and surgical service lines, turn performance data into effective plans and implement the most suitable alignment and risk strategies. Together, we help identify, measure and optimize your performance objectives. We make recommendations and implement the lasting changes you need. We're with you every step of the way.

To learn more about Stryker's Performance Solutions, contact us:
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