



Blue Cross Blue Shield of Michigan–Cardiovascular Consortium -Percutaneous Coronary Intervention

Year launched: 1997

Current Number of Participants:

- 32 Michigan hospitals
- 843 physicians

Summary Description:

The BMC2-PCI initiative is designed to improve care for patients with coronary disease who undergo angioplasty by reducing complications such as kidney damage, the need for blood transfusions and the need for open heart surgery. Furthermore, participating hospitals learn from one another by sharing best practices based on evidence-based medicine to improve quality and outcomes.

Select Objectives:

- Reduce vascular access complications.
- Reduce the post PCI transfusion rate.
- Reduce the rate of contrast induced nephropathy, acute kidney failure that can develop as a result of the dyes used in procedures.
- Reduce nephropathy requiring dialysis.

Top-line Results:

- 30% reduction in hospital deaths
- 38% reduction in contrast-induced nephropathy
- 31% reduction in blood transfusions after angioplasty
- 19% reduction in vascular complications
- 49% reduction in emergency revascularization (repeating the original procedure)
- 28% reduction in gastrointestinal bleeding

BMC2 also saves an estimated \$15.2 million annually in statewide health care costs.



The BMC2-PCI Coordinating Center

The University of Michigan Health System serves as the Coordinating Center and is responsible for collecting and analyzing comprehensive clinical data from the participating hospitals. It uses these analyses to examine practice patterns, generate new knowledge linking processes of patient care to outcomes, and identify best practices and opportunities for quality and efficiency improvement. The Center further participants in establishing quality improvement goals and assists them in implementing best practices.

Hitinder S. Gurm, M.D., director, Inpatient Services for the Division of Cardiovascular Medicine and assistant professor of Internal Medicine at the University of Michigan Cardiovascular Center, serves as BMC2-PCI project director. Andrea Jensen, M.A., M.S., serves as project manager.

Collaborative Quality Initiatives

Sponsored by Blue Cross Blue Shield of Michigan and Blue Care Network, Collaborative Quality Initiatives bring together Michigan physicians and hospital partners to address some of the most common and costly areas of surgical and medical care. As a result of the collection and analysis of procedural and outcomes data from each hospital, the participants are able to implement changes in practice based on the knowledge acquired from the initiative. These changes in practices lead to increased efficiencies, improved outcomes, including decreased complication and mortality rates, and enhanced value such as improved clinical outcomes and lower costs.

This model is the first of its kind, nationally, and is highly regarded as an innovative approach to improving health care quality and enhancing health care value. Findings from these programs have been published extensively in peer reviewed journals, adding measurably to knowledge about optimal approaches to patient care. In 2006, this unique approach received a *Best of Blue* award from the Blue Cross Blue Shield Association for collaborative efforts in "excellence and innovation." In 2007, the program was recognized by the National Business Coalition on Health with an *eValue8 Health Plan Innovation* award.

For more information, contact:

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