

Pediatric Rheumatology Care & Outcomes Improvement Network (PR-COIN)

Participating Sites

- Boston Children's Hospital
- Children's of Alabama
- Children's Hospital of Philadelphia
- Children's Mercy Hospital
- Cincinnati Children's
- Cohen Children's Medical Center of New York
- Hackensack University Medical Center
- Hospital for Special Surgery
- Levine Children's Hospital
- Lucile S. Packard Children's Hospital
- McMaster Children's Hospital
- Medical College of Wisconsin
- Medical University of South Carolina
- Nationwide Children's Hospital
- Nemours—Orlando
- Penn State Hershey Children's Hospital
- The Hospital for Sick Children
- Phoenix Children's Hospital
- University of Minnesota
- University of Mississippi



About PR-COIN

The Pediatric Rheumatology Care and Outcomes Improvement Network (PR-COIN) was established in 2011 as a forum for the pediatric rheumatology community to collaborate with one another and with patients and families, to create clinic-focused initiatives that reliably deliver care per quality indicators and lead to improved outcomes of JIA treatment. Specifically, PR-COIN initiatives are designed to increase remission and clinical inactive disease rates among children with JIA, improve quality of life including optimal physical function and pain, and support families in managing their child's condition.

PR-COIN member centers are trained in Improvement Science methods and use of Quality Improvement tools. Members cooperatively share data, information, documents, and other resources, which are then adapted to each center's unique needs. Members evaluate team and network-wide performance data, learn details of best practices, exchange valuable information during monthly webinars and twice yearly conferences, then test and implement changes within their environment to get results. Adding to this pool of knowledge, parents and patients share important insights, contribute ideas, and assist in developing materials making PR-COIN initiatives as impactful as possible.

74%

of PR-COIN patients report a low pain score (≤ 3)

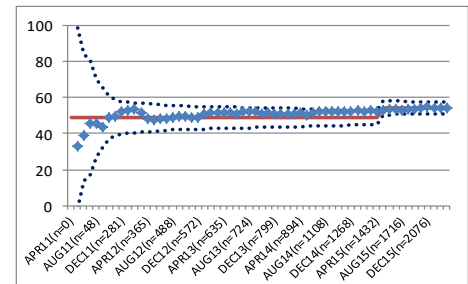
98%

of PR-COIN patients receive physician global assessment

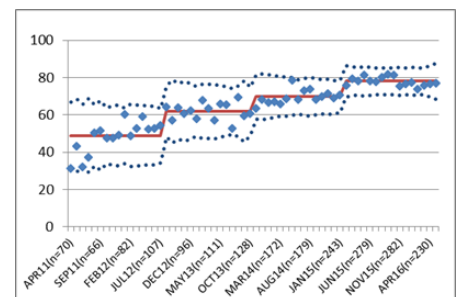
Real Improvement

PR-COIN member centers have improved performance in many measures including care delivery processes and health outcomes for children with JIA. Examples:

Percent of oligoarthritis or polyarthritis patients with either inactive or low disease activity by cJADAS10



Percent of patients on non-biologic DMARDs with toxicity labs performed



PR-COIN Contributors

Recent donors:

- Patient Centered Outcomes Research Institute
- American College of Rheumatology (Registry support)

Conference Sponsorship:

- Novartis
- AbbVie
- Amgen
- Bristol Myers and Squibb

Past donors:

The Arthritis Foundation, Pfizer, AHRQ, and Anonymous donor

The Learning Networks Movement

Collaboration among centers in pediatrics is essential because no single center has enough patients or data from which to learn about improving care and outcomes. This need has led to the creation of multi-site, practice based, clinical networks called Learning Networks.

Both the American Board of Pediatrics and the Patient-Centered Outcomes Research Institute have acknowledged and highlighted the importance of networks in engaging patients and clinicians to improve health outcomes.

Contact PR-COIN

*Email PR-COIN at pr-coin@cchmc.org to learn more

Visit us at <http://pr-coin.org>

Examples of Tools and Improvement Initiatives

- **Population Management (PM) Tool:** PR-COIN members have access to a PM tool through PR-COIN registry. The PM Tool enables centers to better stratify their patient population and immediately identify and care for patients at risk.
- **Pre-visit Planning (PVP) Reports:** Members also receive PVP reports — which summarize key patient information and ensure pre-requisites for patient visits (lab tests, screenings, and others) are met before the encounter so clinicians can provide optimum care by proactively planning for and addressing patients' clinical status.
- **Shared Decision Making:** PR-COIN supports family needs and preferences during treatment decisions through use of shared decision making tools that address concerns important to families such as mode of medication administration, side effects, how soon it takes effect, cost, etc. Materials were co-produced with parents, making them an effective and credible guide for providers, families, and patients.
- **Self-Management Support System:** PR-COIN's comprehensive Self-Management Support (SMS) System provides tools for assessing family SMS readiness and barriers to adherence, and supports behavior change counseling. Additional materials build family capability in managing JIA through patient education and barrier-specific Adherence Solution Tools. SMS System family-related materials are especially effective, as they were co-produced with substantial family contributions.
- **Treat to Target:** PR-COIN's improvement materials include a change package to reliably implement Treat to Target concepts including shared decision making, standardized assessment, target identification, care algorithms and best practices to spread to all PR-COIN centers.

Benefits of Joining PR-COIN

PR-COIN provides participating centers information, tools, and support for improving outcomes such as:

- Aggregate network, team, and provider level performance reports
- Access to longitudinal data for thousands of pediatric patients consented for research
- Ongoing training and personalized coaching in Improvement Science methodology and tools
- Details and application of best practices from clinical colleagues, QI experts, and family advocates
- Access to clinical tools, documents, processes, and successful practices during network wide webinar calls, via a secure member only website, and at face-to-face learning sessions with physicians, nurses, therapists, parents, patients, and other experts
- Credit for eligible physicians towards Maintenance of Certification (MOC) of the American Board of Pediatrics and Continuing Education Credits



Participation Requirements

PR-COIN requires participating organizations and teams to:

- Engage with organizational senior leadership and secure support
- Allocate internal resources including staff time for improvement activities
- Participate in network activities, conferences, meetings, tests for improvement
- Consistently contribute data into the network's registry
- Partner in quality improvement efforts and share results so that all benefit

PR-COIN is one of many Learning Networks coordinated by the James M. Anderson Center for Health Systems Excellence at Cincinnati Children's. www.cincinnatichildrens.org/andersoncenter

