

Patient-Centered Outcomes Research Institute: Impact Models

Overview

Since its inception, the Patient-Centered Outcomes Research Institute (PCORI) has funded more than \$2 billion in research to develop actionable and relevant evidence through ongoing patient and stakeholder engagement on topics such as cancer, diabetes, obesity, rare diseases, and telehealth. The goal of this work was to develop a series of impact models that were developed and tested to analyze the effects of various healthcare interventions on healthcare use, costs, and burden. The impact models are Excel-based Markov models. The project team identified parameters from both PCORI-funded studies on the health interventions and the broader literature on each study topic.



The models estimate healthcare use, costs, and burden from the perspectives of PCORI stakeholder groups, including patients and their families, payers, employers, and society.

Specifically, Insight is conducting analyses of the effects of—

- Broad- and narrow-spectrum antibiotics for children with ear, sinus, and throat infections ([model 1](#))
- Patient-centered, risk-stratified surveillance after curative resection of colorectal cancer ([model 2](#))
- Anti-tumor necrosis factor (—known as TNF) drugs versus long-term steroid use for patients with inflammatory bowel disease ([model 3](#))
- Telehealth dermatology for patients with psoriasis ([model 4](#))

Products

Final report; publicly available impact models

See this work posted on PCORI's website at <http://www.pcori.org/impact>