

Predicting Costs in Childhood Inflammatory Bowel Disease (IBD)

OUR AIM was to develop a model to help predict the cost of caring for children with IBD, using linked clinical and health administrative data.

BACKGROUND - The incidence of pediatric-onset IBD and the costs of caring for individuals with IBD are both increasing. We calculated the direct healthcare costs of pediatric IBD in the first year after diagnosis and developed a model to predict children who would have high costs (top 25th percentile).

Primary Outcome

The cost of caring for children with IBD in the first year after diagnosis is immense and can be predicted based on characteristics at diagnosis. Efforts that mitigate rising costs without compromising quality of care are needed.



The cost of caring for children with IBD is high — CA\$15,168 between 31 and 365 days from diagnosis (as seen in 487 Canadian children from the province of Ontario in this study).

Predictors of high costs included:

- Initial treatment anti-tumor necrosis factor therapy
- Having a mental health care encounter
- Age

Lower costs were experienced by those with a primary care provider.