

Project title	Low-value care and variation in practice for children hospitalized with bronchiolitis in Canada		
Study level(s)	<input type="checkbox"/> MSc	<input checked="" type="checkbox"/> PhD	<input type="checkbox"/> Postdoctorate
Principal investigator(s)	Dr. Olivier Drouin		
Project duration	3 to 4 years		
Start date	Flexible		

### Research laboratory presentation

Dr. Drouin's lab studies how children, families, and clinicians make health decisions and how we can improve the healthcare system to care for prevalent and costly pediatric health conditions.

At the intersection of public health, clinical medicine, and behavioural sciences, the lab uses techniques from health services research, behavioural economics, epidemiology, experimental psychology, and health economics to improve children health care.

### Research project description

Bronchiolitis is one of the most common and most costly pediatric acute conditions requiring hospitalization. Low-value care represents health services for which the costs and/or risks outweigh the benefits for the patient. Care for children hospitalized with bronchiolitis should be mostly supportive, yet there is large variation in how it is managed, and there is some evidence of low-value care in its management.

The objectives of this multicentric, prospective, observational cohort study are to :

- Estimate the incidence, practice patterns and predictors of 6 low-value health services, and their costs, in children hospitalized for bronchiolitis
- Determine the extent of variation in practice of 6 low-value health services between hospitals, and create a benchmark for use of those health services in Canada
- Determine whether variations in use of low-value health services are associated with patient and family characteristics (e.g., race and ethnicity, socioeconomic status, language), and whether these contribute to disparities in care.

The role of the chosen candidate would be to assist in the collect, analysis, interpretation and knowledge mobilisation (conferences, publication) of one of the objectives above.

### Required training and profile

- The candidate must have obtained at least a master's degree, ideally in a discipline related to the project, such as health sciences, epidemiology or biostatistics.
- Excellent academic record
- A strong understanding of statistics is required
- Proficiency in both French and English, (spoken and written) is required.
- A high level of autonomy is expected.



- Previous research experience is required.
- Previous clinical research experience is an asset.
- Previous experience with writing scientific manuscript is required
- Experience with a statistics program (SAS, Stata, R, etc.) is required.

Candidates who identify as visible minorities are strongly encouraged to apply.

### Conditions

The chosen candidate will be remunerated for his/her work at rates equivalent to what is offered by the Fonds de Recherche du Québec – Santé.

The candidate will be invited to apply for training awards in the various competitions and programs of the granting agencies (FRQS, CIHR) for this graduate degree.

### Submit your application

Candidates must send the required documents to **Dr. Olivier Drouin** at [o.drouin@UMontreal.ca](mailto:o.drouin@UMontreal.ca).

Please provide:

- ✓ *Curriculum vitae*
- ✓ Most recent transcripts
- ✓ Cover letter
- ✓ Two letters of references (one of which must be academic in nature)

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### Studies at the Centre de recherche Azrieli du CHU Sainte-Justine

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### About the Centre de recherche Azrieli du CHU Sainte-Justine

**Centre de recherche Azrieli du CHU Sainte-Justine** is a leading mother-child research institution affiliated with Université de Montréal. It brings together more than 200 research investigators, including over 90 clinician-scientists, as well as 500 graduate and postgraduate students focused on finding innovative prevention means, faster and less invasive treatments, as well as personalized approaches to medicine. The Center is part of CHU Sainte-Justine, which is the



largest mother-child center in Canada and the second most important pediatric center in North America. More on [research.chusj.org](https://research.chusj.org)

