

**Dr. Kate M. Johnson**  
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## **Education and Training**

INSTITUTION AND LOCATION	DEGREE	START DATE	COMPLETION DATE	FIELD OF STUDY
University of British Columbia, Vancouver, BC	Assistant Professor (tenure-track)	01/2022	present	Faculty of Pharmaceutical Sciences and Faculty of Medicine
University of Washington, Seattle, WA	Postdoctoral Fellow	01/2020	12/2021	The Comparative Health Outcomes, Policy, and Economics (CHOICE) Institute
University of British Columbia, Vancouver, BC	PhD	09/2016	03/2020	Pharmaceutical Sciences
University of British Columbia, Vancouver, BC	MSc	09/2013	08/2015	Biology
University of Alberta, Edmonton, AB	BSc	09/2008	04/2013	Biology

## **Awards**

2020 Mitchell-Dwivedi Graduate Award in Pharmaceutical Sciences, University of British Columbia, \$12,650  
2019 Institute of Health Services and Policy Research Travel Award, Canadian Institutes of Health Research, \$1,500  
2019 Symposium Travel Award, Canadian Agency for Drugs and Technologies in Health, \$1,650  
2019 John H. McNeill Award, University of British Columbia, \$2,300  
2019 Santosh M. Wasam Travel Award, University of British Columbia, \$1,000  
2019 Network of Alberta Health Economists Thesis Throwdown Competition, First place  
2019 Canadian Respiratory Research Network Annual General Meeting, Best trainee presentation  
2019, 2018 Outstanding Service Award, Faculty of Pharmaceutical Sciences  
2018, 2017 Institute of Circulatory and Respiratory Health Travel Award, Canadian Institutes of Health Research, \$2000  
2017 Four Year Doctoral Fellowship, University of British Columbia, \$72,800  
2017 Studentship Award, The Canadian Lung Association, \$42,000  
2016 Douglas and Jean Bailey Award, University of British Columbia, \$1,700  
2016 Graduate Student Award, Faculty of Pharmaceutical Sciences, \$2,000  
2014 Bert Hoffmeister Award, University of British Columbia, \$3,500  
2014 Canadian Graduate Scholarship, Natural Sciences and Engineering Research Council of Canada, \$17,500  
2014 Hesse Graduate Award, University of British Columbia, \$1,800  
2013 BRITE Research Award, University of British Columbia, \$10,000  
2012 Undergraduate Research Award, Natural Sciences and Engineering Research Council of Canada, \$4,500

## **Publication List**

*H-index: 9, 166 total citations \* undergraduate mentee author under my supervision*

1. **Johnson KM.** A longitudinal approach to assessing patterns of healthcare utilization. Canadian Journal of Respiratory, Critical Care, and Sleep Medicine. <https://doi.org/10.1080/24745332.2021.2008281>
2. **Johnson KM,** Sadatsafavi M, Adibi A, Lynd LD, Harrison M, Tavakoli H, Sin DD, Bryan S. Cost-Effectiveness of Case Detection Strategies for the Early Detection of COPD. Applied Health Economics and Health Policy. 2021;19: 203-215.
3. Adibi A, Sin DD, Safari A, **Johnson KM,** Aaron SD, FitzGerald JM, Sadatsafavi M. The Acute COPD Exacerbation Prediction Tool (ACCEPT): a modelling study. Lancet Respiratory Medicine. 2020; 8(10):1013-1021. **Impact Factor 25.1**
4. **Johnson KM,** Khakban A, Bryan S, Sin DD, Sadatsafavi M. Healthcare system encounters before COPD diagnosis: a registry-based longitudinal cohort study. Thorax. 2020;75(2):108-115. **Impact Factor 10.3**

5. Ng BC\*, Leslie WD, **Johnson KM**, FitzGerald JM, Sadatsafavi M, Chen W. Effects of long-term inhaled corticosteroid treatment on fragility fractures in older women: the Manitoba BMD registry study. *Osteoporosis International*. 2020;31(6):1155-1162.
6. Yaghoubi M, Adibi A, Zafari Z, FitzGerald JM, Aaron SD, **Johnson KM**, Sadatsafavi M. Cost-effectiveness of implementing objective diagnostic verification of asthma in the United States. *Journal of Allergy and Clinical Immunology*. 2020 May;145(5):1367-1377. **Impact Factor 14.1**
7. Al Efraij K, **Johnson KM**, Wiebe D, Sadatsafavi M, FitzGerald JM. A systematic review of the adverse events and economic impact associated with oral corticosteroids in asthma. *Journal of Asthma*. 2019;56(12):1334-1346.
8. Ng B\*, Sadatsafavi M, Safari A, FitzGerald JM, **Johnson KM**. Direct costs of overdiagnosed asthma: a longitudinal, population-based cohort study in British Columbia, Canada. *BMJ Open*. 2019;9(11):e031306.
9. Tavakoli H, **Johnson KM**, FitzGerald JM, Sin DD, Gershon AS, Kendzerska T, Sadatsafavi M. Trends in prescriptions and costs of inhaled medications in chronic obstructive pulmonary disease: a 19-year population-based study from Canada. *International Journal of Chronic Obstructive Pulmonary Disease*. 2019;14:2003-2013.
10. Sadatsafavi M, Ghanbarian S, Adibi A, **Johnson KM**, FitzGerald JM, Flanagan W, Bryan S, Sin D. Development and Validation of the Evaluation Platform in COPD (EPIC): A Population-Based Outcomes Model of COPD for Canada. *Medical Decision Making*. 2019 Feb;39(2):152-167.
11. **Johnson KM**, Safari A, Tan WC, Bourbeau J, FitzGerald JM, Sadatsafavi M. Heterogeneity in the respiratory symptoms of patients with mild-to-moderate COPD. *International Journal of Chronic Obstructive Pulmonary Disease*. 2018;13:3983-3995.
12. **Johnson KM**<sup>†</sup>, Chen W<sup>†</sup>, FitzGerald JM, Sadatsafavi M, Leslie WD. Long-term effects of inhaled corticosteroids on bone mineral density in older women with asthma or COPD: a registry-based cohort study. *Archives of Osteoporosis*. 2018 Oct 29;13(1):116. <sup>†</sup>co-first authors
13. **Johnson KM**, Tan WC, Bourbeau J, Sin DD, Sadatsafavi M. The diagnostic performance of patient symptoms in screening for COPD. *Respiratory Research*. 2018 Aug 3;19(1):147.
14. **Johnson KM**, Bryan S, Ghanbarian S, Sin DD, Sadatsafavi M. Characterizing undiagnosed chronic obstructive pulmonary disease: a systematic review and meta-analysis. *Respiratory Research*. 2018 Feb 7;19(1):26.
15. Sadatsafavi M, Xie H, Etminan M, **Johnson KM**, FitzGerald JM. The association between previous and future severe exacerbations of chronic obstructive pulmonary disease: Updating the literature using robust statistical methodology. *PLoS One*. 2018;13(1):e0191243.
16. **Johnson KM**, FitzGerald JM, Tavakoli H, Chen W, Sadatsafavi M. Stability of Asthma Symptom Control in a Longitudinal Study of Mild-Moderate Asthmatics. *Journal of Allergy and Clinical Immunology: In Practice*. 2017;5(6):1663-1670. **Impact Factor 7.6**

#### *Publications in Biology*

17. **Johnson KM**, Germain RR, Tarwater CE, Reid JM, Arcese P. Demographic consequences of invasion by a native, controphic competitor to an insular bird population. *Oecologia*. 2018 May;187(1):155-165.
18. Morrell N, **Johnson KM**, Tarwater CE, Arcese P. Nest defense and parental investment in Song Sparrows (*Melospiza melodia*). *Canadian Journal of Zoology*. 2016. 94 (7), 473-477
19. **Johnson KM**, Nielsen SE. Demographic effects on fruit set in the dioecious shrub Canada buffaloberry (*Shepherdia canadensis*). *PeerJ*. 2014;2:e526.

### **Committees and Service**

2018 – Present	Peer Reviewer, Canadian Medical Association Journal, Canadian Journal of Respiratory, Critical Care and Sleep Medicine, Lancet Respiratory Medicine, Lancet Regional Health, European Journal of Health Economics, Journal of Allergy and Clinical Immunology: In Practice, Scientific Reports, Respiratory Research, The Professional Society for Health Economics and Outcomes Research (ISPOR), International Journal of Chronic Obstructive Pulmonary Disease
2019 – 2020	Director of Education, ISPOR UBC Student Chapter
2018 – 2019	Mentor, Graduate Student Mentorship Program, Faculty of Pharmaceutical Sciences
2017 – 2019	Organizing Committee, Faculty of Pharmaceutical Sciences Research Symposium

### **Teaching Experience**

2020	Guest Lecturer, Health Economics, PHARM 568, University of Washington
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- 2019 Reoccurring Guest Lecturer, Introduction to Health Economics, HSCI 305- The Canadian Health System, Simon Fraser University
- 2019 Workshop Development and Teaching, Data Wrangling for Health Outcomes Research in R, ISPOR UBC Student Chapter
- 2019 Teaching Assistant, Epidemiology Interactive Activity Workshop, Faculty of Pharmaceutical Sciences, UBC
- 2019 Teaching Assistant, DSCI 554- Experimentation and Causal Inference, Master of Data Science Program, UBC
- 2018 Teaching Assistant, DSCI 552- Statistical Inference and Computation, Master of Data Science Program, UBC

### **Invited Presentations**

- 2021 **Johnson KM**, Sadatsafavi M, Adibi A, Lynd LD, Harrison M, Tavakoli H, Sin DD, Bryan S. Cost-Effectiveness of Case Detection Strategies for the Early Detection of COPD. Centre for Heart Lung Innovation Seminar Series, Vancouver BC
- 2019 **Johnson KM**, Sadatsafavi M. Understanding disease trajectory to guide precision policy: A case study in COPD detection. PHEnOM Seminar Series, Seattle WA