

# Curriculum Vitae

## Klajdi Puka

### CONTACT INFORMATION:

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Email: [klajdi.puka@gmail.com](mailto:klajdi.puka@gmail.com)

Google Scholar: <http://scholar.google.ca/citations?user=uIN-H0UAAAAJ&hl=en>

OrcID: <https://orcid.org/0000-0001-7763-988X>

Personal: <https://kpuka.ca>

### EDUCATION:

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<u>Year</u>	<u>Degree</u>	<u>Discipline</u>	<u>Institution</u>
2021	PhD	Epidemiology and Biostatistics	Western University
2013	HBSc	Psychology and Biology	University of Toronto

### EMPLOYMENT AND ACADEMIC APPOINTMENTS:

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2022/11–Present	<b><i>Behavioural Science Fellow</i></b> Impact and Innovation Unit, Privy Council Office Behavioural Science Office, Public Health Agency of Canada Government of Canada	Toronto, ON
2022/05–Present 2016/09–2022/04	<b><i>Adjunct Research Professor</i></b> <i>PhD Candidate Researcher</i> Epidemiology and Biostatistics, Western University	London, ON
2021/03–2022/11	<b><i>Project Scientist</i></b> Institute for Mental Health Policy Research, Centre for Addiction and Mental Health	Toronto, ON
2018/07–2021/08	<b><i>Statistician</i></b> Department of Medicine, Western University	London, ON
2017/01 – 2017/12	<b><i>Methodology and Statistical Consultant</i></b> Epidemiology and Biostatistics, Western University	London, ON
2010/12–2016/08	<b><i>Clinical Research Coordinator</i></b> Department of Psychology Hospital for Sick Children and University of Toronto	Toronto, ON

**ACADEMIC AWARDS, SCHOLARSHIPS, AND DISTINCTIONS:**

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- 2019 Canadian Mental Health Association, Ontario Doctoral Fellowship in Mental Health and Addictions Services Award
- 2018 - 2021 Canadian Institutes of Health Research (CIHR) - Frederick Banting and Charles Best Canada Graduate Scholarships
- 2018 Queen Elizabeth II Graduate Scholarship in Science and Technology; Declined
- 2018 First Place, Basic Science Oral Presentation, 31<sup>st</sup> Annual Paediatric Research Day, Victoria Hospital, London Health Sciences Center, London, ON, Canada
- 2018 Poster Award, London Health Research Day, Western University, London, ON, Canada
- 2017 - 2018 Ontario Graduate Scholarship
- 2017 Department of Paediatrics Travel Award, Victoria Hospital, London Health Sciences Center, London, ON, Canada
- 2017 Canadian Society for Epidemiology and Biostatistics Travel Award
- 2017 Rising Star, Canadian League Against Epilepsy
- 2016 - 2017 Canadian Institutes of Health Research (CIHR) - Canada Graduate Scholarship-Master's
- 2016 - 2021 Western Graduate Fellowship
- 2016 - 2021 Western Graduate Research Scholarship
- 2016 Queen Elizabeth II Graduate Scholarship in Science and Technology; Declined
- 2012 University of Toronto I.M. Spigel Memorial Scholarship in Psychology
- 2011 Budding Scholar in Psychology, University of Toronto

**RESEARCH FUNDING:**

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Funding (total): \$890,000

Funding as Principal Investigator: \$600,000

- 2022 - 2024 *Supplement to a microsimulation of alcohol control interventions to advance health equity and reverse the current decrease in life expectancy in the US.*  
 Co-Investigator  
 ~\$290,000 R01 Supplement (R01AA028009), National Institutes of Health (NIH)  
 (USD \$216,248) Principal Investigators: Probst C  
 Co-Investigator: Buckley C, Rehm J, **Puka K**, Mulia N, Purshouse R, Kerr WC
- 2019 - 2024 *Clinic to Community© Program for Adults with Epilepsy Admitted to Emergency Departments: A Randomized Controlled Trial.*  
 Co-Principal Investigator Project Grant, Ontario Brain Institute (OBI)  
 \$125,000 Co-Principal Investigators: Secco M, Speechley KN, **Puka K**  
 Co-Investigator: Shah A  
 Collaborator: Burneo J

2019 - 2023      *A Community-Based Family Treatment Program for Children with Epilepsy: A Randomized Controlled Trial.*  
 Co-Principal Investigator      Project Grant (PJT-159504), Canadian Institutes of Health Research (CIHR)  
 \$475,000      Co-Principal Investigators: Speechley KN, Bax K, **Puka K**  
    Co-Investigators: Levin SD, Prasad AN, Secco M, Zou G  
    Collaborator: Gangam H

## **PUBLICATIONS, PEER-REVIEWED:**

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\* indicates co-first authors

1. Smith ML, **Puka K**, Speechley KN, Ferro MA, Connolly MB, Major P, Gallagher A, Almubarak S, Hasal S, Ramachandrannair R, Andrade A, Xu Q, Leung E, Snead OC, Widjaja E (2023). Trajectories of parent well-being in children with drug-resistant epilepsy. *Epilepsia*. <https://doi.org/10.1111/epi.17797>
2. **Puka K**, Kilian C, Zhu Y, Mulia N, Buckley C, Lasserre AM, Rehm J, Probst C (2023). Can lifestyle factors explain racial and ethnic inequalities in all-cause mortality among US adults? *BMC Public Health*, 23, 1591. <https://doi.org/10.1186/s12889-023-16178-6>
3. Llamosas-Falcón L, Probst C, Buckley C, Jiang H, Lasserre AM, **Puka K**, Tran A, Zhu Y, Rehm J. (2023). How does alcohol use impact morbidity and mortality of liver cirrhosis? A systematic review and dose-response meta-analysis. *Hepatology international*. <https://doi.org/10.1007/s12072-023-10584-z>
4. Rojulpote KV, Smith ML, **Puka K**, Speechley KN, Ferro MA, Connolly MB, Major P, Gallagher A, Almubarak S, Hasal S, Ramachandrannair R (2023). Pre-operative predictors of health-related quality of life two years after pediatric epilepsy surgery: A prospective cohort study. *Seizure: European Journal of Epilepsy* 111, 196-202. <https://doi.org/10.1016/j.seizure.2023.08.016>
5. Smith ML, **Puka K**, Speechley KN, Ferro MA, Connolly MB, Major P, Gallagher A, Almubarak S, Hasal S, Ramachandrannair R, Andrade A, Xu Q, Leung E, Snead OC, Widjaja E (2023). A longitudinal cohort study of mediators of health-related quality of life after pediatric epilepsy surgery or medical treatment. *Epilepsia* 64, 2162-2171. <https://doi.org/10.1111/epi.17660>
6. Widjaja E, **Puka K**, Speechley KN, Ferro MA, Connolly MB, Philippe Major, Gallagher A, Almubarak S, Hasal S, Ramachandrannair R, Andrade A, Xu Q, Leung E, Snead OC, Smith ML (2023). Trajectory of health-related quality of life after pediatric epilepsy surgery: prospective multi-center cohort study. *JAMA Network Open*, 6, e234858. <https://doi.org/10.1001/jamanetworkopen.2023.4858>
7. Kilian C, Lemp JM, Llamosas-Falcón L, Carr T, Ye Y, Kerr WC, Mulia N, **Puka K**, Lasserre AM, Bright S, Rehm J, Probst C (2023). Reducing alcohol use through alcohol control policies in the general population and population subgroups: a systematic review and meta-analysis. *EClinicalMedicine*, 59, 101996. <https://doi.org/10.1016/j.eclinm.2023.101996>

8. Probst C, Buckley C, Lasserre AM, Kerr WC, Mulia N, **Puka K**, Purshouse RC, Ye Y, Rehm J (2023). Simulation of Alcohol Control Policies for Health Equity (SIMAH): Study Design and First Results. *American Journal of Epidemiology*, kwad018, <https://doi.org/10.1093/aje/kwad018>
9. Madrazo L, Cruz JD, Correa N, **Puka K**, Kane SL (2023). Evaluating the quality of written feedback within entrustable professional activities in an internal medicine cohort. *Journal of Graduate Medical Education* 15, 74-80. <https://doi.org/10.4300/JGME-D-22-00222.1>
10. Yossofzai O, Stone S, Madsen J, Moineddin R, Wang S, Ragheb J, Mohamed I, Bollo R, Clarke D, Perry MS, Weil AG, Raskin J, Pindrik J, Ahmed R, Lam S, Fallah A, Maniquis C, Andrade A, Ibrahim GM, Drake J, Rutka J, Taylor J, Mitsakakis N, **Puka K**, Widjaja E (2023). Seizure Outcome of Pediatric MR-guided Laser Interstitial Thermal Therapy versus Open Surgery: A Matched Non-Inferiority Cohort Study. *Epilepsia*, 64: 114-126. <https://doi.org/10.1111/epi.17451>
11. Buckley C, Brennan A, Kerr WC, Probst C, **Puka K**, Purshouse RC, Rehm J (2022). Improved estimates for individual and population-level alcohol use in the United States, 1984-2020. *International Journal of Alcohol and Drug Research*, 10, 24-33. <https://doi.org/10.7895/ijadr.383>
12. Buckley C, Ye Y, Kerr WC, Mulia N, **Puka K**, Rehm J, Probst C (2022). Trends in mortality from alcohol, opioid, and combined alcohol and opioid poisonings by sex, educational attainment, and race and ethnicity for the United States 2000–2019. *BMC Medicine*, 20: 405. <https://doi.org/10.1186/s12916-022-02590-z>
13. Llamosas-Falcón L, Probst C, Buckley C, Jiang H, Lasserre AM, **Puka K**, Tran A, Rehm J (2022). Sex-specific association between alcohol consumption and liver cirrhosis: An updated systematic review and meta-analysis. *Frontiers in Gastroenterology* 1, 1005729. <https://doi.org/10.3389/fgstr.2022.1005729>
14. **Puka K**, Buckley C, Mulia N, Purshouse RC, Lasserre AM, Kerr W, Rehm J, Probst C (2022). Behavioral stability of alcohol consumption and sociodemographic correlates of change among a nationally representative cohort of US adults. *Addiction* 118, 61-70. <https://doi.org/10.1111/add.16024>
15. Specht J, Delorey J, **Puka K** (2022). The Trajectory of Inclusive Beliefs in Beginning Teachers. *Frontiers in Education*, 7, 928505. <https://doi.org/10.3389/educ.2022.928505>
16. Nouri MN, **Puka K**, Palmar K, Speechley KN (2022). Impact of number of anti-seizure medications on long-term health-related quality of life in children with epilepsy: a prospective cohort study. *Seizure: European Journal of Epilepsy*, 99, 120–126. <https://doi.org/10.1016/j.seizure.2022.05.012>
17. Johnstone R, Khalil N, Shojaei E, **Puka K**, Bondy L, Koivu S, Silverman M (2022). Different Drugs, Different Sides: Injection Use of Opioids Alone, and Not Stimulants Alone, Predisposes to Right-Sided Endocarditis. *Open Heart*, 9, e001930. <https://doi.org/10.1136/openhrt-2021-001930>

18. **Puka K**, Buckley C, Mulia N, Lasserre AM, Rehm J, Probst C (2022). Educational Attainment and Lifestyle Risk Factors Associated with All-Cause Mortality in the United States. *JAMA Health Forum*, 3, e220401. <https://doi.org/10.1001/jamahealthforum.2022.0401>
19. Jones M, Harris WB, Perry MS, Behrmann M, Christodolou J, Fallah A, Kolb B, Musiek F, Paul LK, **Puka K**, Salorio C, Sankar R, Smith ML, Moosa A, Walshaw P, Weiner H, Woo R, Zeitler P, Abel T (2022). Knowledge gaps for functional outcomes after multilobar resective and disconnective pediatric epilepsy surgery: Conference proceedings of the patient-centered stakeholder meeting 2019. *Epileptic Disorders*, 24, 50-66. <https://doi.org/10.1684/epd.2021.1373>
20. **Puka K**, Jones M, Mathern GW. (2021). Functional Cognitive and Language Outcomes After Cerebral Hemispherectomy for Hemimegalencephaly. *Epilepsia*, 62, 2932–2940. <https://doi.org/10.1111/epi.17088>
21. **Puka K**, Smith ML (2021). Long-term outcomes across multiple cognitive domains among youth with medically resistant epilepsy. *Developmental Medicine & Child Neurology* 63, 690-696. <https://doi.org/10.1111/dmcn.14815>
22. Alotaibi A, Almaghrabi M, Ahmed O, Rodrigues D, Iansavichene A, **Puka K**, Gandhi R, Sey M, Patel K, Brahmania M. (2021). Incidence of spontaneous bacterial peritonitis among asymptomatic cirrhosis patients undergoing outpatient paracentesis: a systematic review and meta-analysis. *Eur J Gastroenterol Hepatol*, 33, e851-e857. <https://doi.org/10.1097/meg.0000000000002279>
23. Sey M, Yan B, McDonald C, Segal D, Friedland J, **Puka K**, Jairath V. (2021). A randomized controlled trial of high volume simethicone to improve visualization during capsule endoscopy. *PLOS ONE* 16, e0249490. <https://doi.org/10.1371/journal.pone.0249490>
24. Alsager M, Neong SF, Gandhi R, Teriaky A, Tang E, Skaro A, Qumosani K, Lilly L, Galvin Z, Selzner N, Bhat MP, **Puka K**, Brahmania M (2021). Liver transplantation in adult polycystic liver disease: the Ontario experience. *BMC Gastroenterology* 21, 115. <https://doi.org/10.1186/s12876-021-01703-x>
25. Lavi S, Mehta SR, Bajwa R, Taleb H, Bakar SN, Sachedina A, Wagner C, Solomonica A, Awan K, **Puka K**, Garg P, Diamantouros P, Bagur R (2021). Short durations of radial hemostatic device post transradial cardiac catheterization - The PRACTICAL-2 randomized trial. *Canadian Journal of Cardiology* 37, 276-283. <https://doi.org/10.1016/j.cjca.2020.04.017>
26. **Puka K**, Bax K, Andrade A, Campbell C, Devries-Rizzo M, Gangam H, Levin S, Nouri MN, Prasad AN, Secco M, Zou G, Speechley KN (2020). A Live-Online Mindfulness-based Intervention for Children Living with Epilepsy and their Families: Protocol for a Randomized Controlled Trial of Making Mindfulness Matter©. *Trials* 21, 922. <https://doi.org/10.1186/s13063-020-04792-3>
27. **Puka K**, Ferro MA, Camfield CS, Levin SD, Smith ML, Wiebe S, Zou G, Speechley KN (2020). Self-reported quality of life and degree of youth-parent agreement: A long-term follow-up of childhood-onset epilepsy. *Epilepsia* 61, 2254-2264. <https://doi.org/10.1111/epi.16665>

28. **Puka K**, Ferro MA, Camfield CS, Levin SD, Smith ML, Wiebe S, Zou G, Anderson KK, Speechley KN (2020). Long-term quality of life trajectories among individuals diagnosed with epilepsy in childhood. *Epilepsia* 61, 1453-1463. <https://doi.org/10.1111/epi.16579>
29. **Puka K**, Speechley KN, Ferro MA (2020). Convulsive status epilepticus in children recently diagnosed with epilepsy and long-term health-related quality of life. *Seizure: European Journal of Epilepsy* 80, 49-52. <https://doi.org/10.1016/j.seizure.2020.05.025>
30. Shah M, Wong R, Ball L, **Puka K**, Tan C, Shojaei E, Koivu S, Silverman M (2020). Risk factors of infective endocarditis in persons who inject drugs. *Harm Reduction Journal* 17, 35. <https://doi.org/10.1186/s12954-020-00378-z>
31. **Puka K**, Goodwin SW, Ferro MA, Smith ML, Widjaja E, Anderson KK, Speechley KN (2020). Validation of the Quality of Life in Childhood Epilepsy Questionnaire (QOLCE-55 and QOLCE-16) for use by parents of young adults with childhood-onset epilepsy. *Epilepsy & Behavior* 104, 106904. <https://doi.org/10.1016/j.yebeh.2020.106904>
32. **Puka K**, Tavares PT, Speechley KN (2019). Social outcomes of adults with childhood-onset epilepsy: a systematic review and meta-analysis. *Epilepsy & Behavior* 92, 297-305. <http://doi.org/10.1016/j.yebeh.2019.01.012>
33. **Puka K**, Ferro MA, Anderson KK, Speechley KN (2019). Prevalence and trajectories of depressive symptoms among mothers of children with newly diagnosed epilepsy: a longitudinal 10-year study. *Epilepsia* 60, 358-366. <http://doi.org/10.1111/epi.14638>
34. Ball L, **Puka K**, Speechley M, Wong R, Hallam B, Wiener J, Koivu S, Silverman M (2019). Sharing of Injection Drug Preparation Equipment is Associated with HIV Infection: A Case Control Study. *Journal of Acquired Immune Deficiency Syndrome* 81, e99-e103. <https://doi.org/10.1097/QAI.0000000000002062>
35. **Puka K**, Tavares PT, Anderson KK, Ferro MA, Speechley KN (2018). A systematic review of quality of life in parents of children with epilepsy. *Epilepsy & Behavior* 82, 35-45. <https://doi.org/10.1016/j.yebeh.2018.03.008>
36. **Puka K**, Ferro MA, Anderson KK, Speechley KN (2018). Health related quality of life in mothers of children with epilepsy: 10 years after diagnosis. *Quality of Life Research*, 27, 969-977. <https://doi.org/10.1007/s11136-017-1778-z>
37. Awai H, Shanbhag A, Rej S, Thomas AJ, **Puka K**, Vasudev A (2018). Orthostatic hypotension in patients with late life depression: prevalence and validation of a new screening tool. *International Journal of Geriatric Psychiatry*, 33, 1397-1402. <https://doi.org/10.1002/gps.4951>
38. Avivi-Reich M, **Puka K**, Schneider BA (2018). Does age and linguistic background alter the audiovisual advantage when listening to speech in the presence of energetic and informational masking? *Attention, Perception & Psychophysics*, 80, 242-261. <https://doi.org/10.3758/s13414-017-1423-5>

39. Lavi S, Alemayehu M, **Puka K**, Wall S, Lavi R. (2017). Acute effect of ticagrelor on microvascular endothelial function. *JAMA Cardiology*, 2, 1042-1044. <https://doi.org/10.1001/jamacardio.2017.2378>
40. Hewson S, **Puka K**, Merimek-Mahmutoglu S (2017). Variable expressivity of a likely pathogenic variant in KCNQ2 in a three-generation pedigree presenting with intellectual disability with childhood onset seizures. *American Journal of Medical Genetics Part A*, 173, 2226-2230. <https://doi.org/10.1002/ajmg.a.38281>
41. Muthaffar O\*, **Puka K\***, Rubinger L, Go C, Snead OC, Rutka J, Widjaja E (2017). Reoperation after failed resective epilepsy surgery in children. *Journal of Neurosurgery: Pediatrics*, 20, 134-140. <https://doi.org/10.3171/2017.3.peds16722>
42. Smith ML, **Puka K**, Sehra R, Read SE, Bitnun A (2017). Longitudinal Development of Cognitive, Visuomotor and Adaptive Behavior Skills in HIV Uninfected Children, Aged 3 to 5 Years of Age, Exposed Pre- and Perinatally to Anti-retroviral Medications. *AIDS Care*, 29, 1302-1308. <https://doi.org/10.1080/09540121.2017.1325436>
43. **Puka K**, Smith ML, Widjaja E (2017). The impact of family factors on IQ in pediatric medically refractory epilepsy. *Neuropsychology* 31, 129-136. <https://doi.org/10.1037/neu0000308>
44. **Puka K**, Widjaja E, Smith ML (2017). The influence of patient, caregiver and family factors on symptoms of anxiety and depression in children and adolescents with intractable epilepsy. *Epilepsy & Behavior*, 67, 45-50. <https://doi.org/10.1016/j.yebeh.2016.12.011>
45. **Puka K**, Tavares TP, Smith ML (2017). Development of intelligence 4 to 11 years after pediatric epilepsy surgery. *Journal of Neuropsychology*, 11, 161-173. Epub 2015 Jul 17. <https://doi.org/10.1111/inp.12081>
46. **Puka K**, Smith ML (2016). Remembrance and time passed. Memory outcomes 4-11 years after pediatric epilepsy surgery. *Epilepsia*, 57, 1798-1807. <https://doi.org/10.1111/epi.13571>
47. **Puka K**, Smith ML (2016). Predictors of language skills in the long-term after pediatric epilepsy surgery. *Epilepsy & Behavior*, 63, 1-8. <https://doi.org/10.1016/j.yebeh.2016.07.031>
48. **Puka K**, Rubinger L, Chan C, Smith ML, Widjaja E (2016). Predictors of intellectual functioning after epilepsy surgery in childhood; the role of socioeconomic status. *Epilepsy & Behavior*, 62, 35-39. <https://doi.org/10.1016/j.yebeh.2016.06.023>
49. **Puka K**, Smith ML (2016). Academic skills in the long-term after epilepsy surgery in childhood. *Epilepsy & Behavior*, 62, 97-103. <https://doi.org/10.1016/j.yebeh.2016.06.003>
50. **Puka K**, Smith ML (2016). Long-term outcomes of behavior problems after epilepsy surgery in childhood. *Journal of Neurology*, 263, 991-1000. <https://doi.org/10.1007/s00415-016-8089-0>

51. **Puka K**, Smith ML, Moineddin R, Snead OC, Widjaja E (2016). Health resource utilization varies by comorbidities in children with epilepsy. *Epilepsy & Behavior*, 57, 151-154. <https://doi.org/10.1016/j.yebeh.2016.02.011>
52. **Puka K**, Smith ML (2016). Where are they now? Psychosocial, educational and vocational outcomes after epilepsy surgery in childhood. *Epilepsia*, 57, 574-581. <https://doi.org/10.1111/epi.13327>
53. **Puka K**, Smith ML, Moineddin R, Snead OC, Widjaja E (2016). The influence of socio-economic status on health resource utilization in pediatric epilepsy in a universal health insurance system. *Epilepsia*, 57, 455-463. <https://doi.org/10.1111/epi.13290>
54. Jones K, Go C, Boyd J, Ochi A, McCoy B, **Puka K**, Snead OC (2015). Vigabatrin as first line treatment for infantile spasms, not related to tuberous sclerosis complex. *Pediatric Neurology*, 53, 141-145. <https://doi.org/10.1016/j.pediatrneurol.2015.04.012>
55. **Puka K**, Khattab M, Kerr E, Smith ML (2015). Academic achievement one year after resective epilepsy surgery in children. *Epilepsy & Behavior*, 47, 1-5. <https://doi.org/10.1016/j.yebeh.2015.04.062>
56. **Puka K**, Smith ML (2015). Predictors of long-term quality of life after pediatric epilepsy surgery. *Epilepsia*, 56, 873-881. <https://doi.org/10.1111/epi.13004>
57. Tavares TP, **Puka K**, Smith ML (2015). Emotional functioning: long-term outcomes after pediatric epilepsy surgery. *Epilepsia*, 56, 745-753. <https://doi.org/10.1111/epi.12956>

#### BOOK CHAPTERS:

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1. **Puka K**, Smith ML (2022). Epilepsy. In M Beauchamp, R Peterson, D Ris, G Taylor, K Yeates (Eds.), *Pediatric Neuropsychology: Research, Theory and Practice, 3rd edition* (pp 36-54). Guilford Press, New York, NY.
2. **Puka K**, Conway L, Smith ML (2020). Quality of Life of children and families. In A Gallagher, C Bulteau, D Cohen, J Michaud (Eds.), *Handbook of Clinical Neurology, Volume 174 Neurocognitive development: disorders and disabilities*. Elsevier. <https://doi.org/10.1016/B978-0-444-64148-9.00028-4>
3. **Puka K**, Smith ML (2019). Postoperative neuropsychological and psychosocial outcome. In O Cataltepe, GI Jallo (Eds.), *Pediatric Epilepsy Surgery: Preoperative Assessment and Surgical Treatment, 2<sup>nd</sup> edition*: Thieme. <https://doi.org/10.1055/b-0039-171706>
4. Janecek J, **Puka K**, Schulze E, Smith ML (2018). Epilepsy. In S Hunter, J Donders (Eds.), *Neuropsychological conditions across the lifespan* (pp.189-209). Cambridge University Press. <https://doi.org/10.1017/9781316996751.011>
5. **Puka K** (2017). Aggregating Data. In V Zeigler-Hill, TK Shackelford (Eds.), *Encyclopedia of Personality and Individual Differences*. Springer International Publishing. [https://doi.org/10.1007/978-3-319-28099-8\\_1278-1](https://doi.org/10.1007/978-3-319-28099-8_1278-1)



6. Smith ML, **Puka K** (2016). Epilepsy and cognition. In VP Prasher, MP Kerr (Eds.), *Epilepsy and Intellectual Disabilities, 2<sup>nd</sup> edition* (pp 281-301): Springer International Publishing. [https://doi.org/10.1007/978-3-319-39144-1\\_13](https://doi.org/10.1007/978-3-319-39144-1_13)
7. Smith ML, **Puka K** (2015). Quality of life and psychosocial outcomes in children. In K Malmgren, S Baxendale, JH Cross (Eds.), *Long-term outcomes of epilepsy surgery in adults and children* (pp. 193-207): Springer International Publishing. [https://doi.org/10.1007/978-3-319-17783-0\\_13](https://doi.org/10.1007/978-3-319-17783-0_13)

## TEACHING EXPERIENCE AND CERTIFICATIONS:

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### **Courses (3):**

<u>Date/Term</u>	<u>Course Code, Title, and Other Details</u>
2023 Fall <i>Course Director</i>	Biostatistics 9500: Epidemiology & Biostatistics Graduate Orthodontics & Dentofacial Orthopaedics Schulich School of Medicine & Dentistry, Western University
2022 Fall <i>Course Director</i>	Biostatistics 9500: Epidemiology & Biostatistics Graduate Orthodontics & Dentofacial Orthopaedics Schulich School of Medicine & Dentistry, Western University
2021 Summer <i>Sessional Lecturer</i>	Biostatistics 9500: Epidemiology & Biostatistics Graduate Orthodontics & Dentofacial Orthopaedics Schulich School of Medicine & Dentistry, Western University

### **Workshops (4):**

<u>Date</u>	<u>Title, Location, Enrollment, and Other Details</u>
2023/04	Introduction to R and data wrangling. Behavioural Science Office, Public Health Agency of Canada. 2-hour workshop. Government of Canada.
2019/07	Data management and analysis using SAS. Epidemiology & Biostatistics 2019 Summer Workshop Series. 3-hour workshop. Western University.
2018/05	An applied introduction to analyzing and visualizing interactions in SAS. Epidemiology & Biostatistics 2018 Summer Workshop Series. 3-hour workshop. Western University.
2017/11	"I have my data! Now what?" SAS basics and data management. Department of Epidemiology & Biostatistics. 3-hour workshop. Western University.

### **Certifications Received (1):**

<u>Date</u>	<u>Title, Location, and Other Details</u>
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2019/05      Advanced Teaching Program, Centre for Teaching and Learning.  
Western University.  
*Completed a 20-hour course covering topics such as course design strategies, active learning, authentic assessment of student learning, and maintaining a culture of respect and community.*

## **STUDENT SUPERVISION**

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### **a) Supervision / Mentorship:**

#### **MSc (3):**

<u>Date</u>	<u>Student Name, Program, and Thesis Title</u>
2020-2021	Rebecca Grace Couper. Epidemiology and Biostatistics, Western University. Long term psychiatric and behavioral outcomes of childhood-onset epilepsy.
2020-2021	Onyebuchi Omodon. Epidemiology and Biostatistics, Western University. Anxiety symptoms among young adults diagnosed with epilepsy in childhood.
2019-2020	Emily Chemnitz, MSc. Epidemiology and Biostatistics, Western University. An 8-year longitudinal assessment of health-related quality of life in children with epilepsy.

#### **BSc (1):**

<u>Date</u>	<u>Student Name, Program, and Thesis Title</u>
2020-2021	Wing Yan So. Epidemiology and Biostatistics, Western University. Positive and negative affect among young adults diagnosed with epilepsy in childhood.

#### **Co-Op (1):**

<u>Date</u>	<u>Student Name, Program, and Thesis Title</u>
2021-2022	Tessa Carr. Institute for Mental Health Policy Research, Centre for Addiction and Mental Health. Alcohol consumption and alcohol use disorder mortality; a systematic review and meta-analysis.

### **b) Supervisory Committee Member:**

#### **PhD (1):**

<u>Date</u>	<u>Student Name, Program, and Thesis Title</u>
2021-Present	Karina Tassiopoulos. Epidemiology and Biostatistics, Western University. Process Evaluation of a mindfulness intervention for children with epilepsy and their parents.

#### **MSc (1):**

<u>Date</u>	<u>Student Name, Program, and Thesis Title</u>
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2021-2023 Mariela Leda. Epidemiology and Biostatistics, Western University. Clinically important change in quality of life in pediatric epilepsy.

## **PROFESSIONAL ACTIVITIES:**

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### **a) Peer Review Activities**

<u>Date</u>	<u>Activity</u>
2022	Ad hoc reviewer (5 reviews): The Journal of Pediatrics (1) Epilepsy & Behavior (1) Addiction (1) Drug and Alcohol Dependence (1) Child: Care, Health and Development (1)
2021	Ad hoc reviewer (6 reviews): Epilepsy & Behavior (2) Seminars in Pediatric Neurology (1) Epileptic Disorders (1) Epilepsy Research (1) Epilepsy & Behavior Reports (1)
2020	Ad hoc reviewer (8 reviews): Epilepsy & Behavior (3) Epilepsia (2) Pediatric Neurology (1) Seizure - European Journal of Epilepsy (1) Quality of Life Research (1)
2019	Ad hoc reviewer (8 reviews): Epilepsy & Behavior (2) Quality of Life Research (2) Pediatrics (1) Developmental Medicine & Child Neurology (1) Epileptic Disorders (1) BMC Public Health (1)
2018	Ad hoc reviewer (5 reviews): Quality of Life Research (2) Social Psychiatry and Psychiatric Epidemiology (1) Epilepsy and Behavior (1) International Journal of Public Health (1)
2017	Ad hoc reviewer (2 reviews): Epilepsia (1) Seizure - European Journal of Epilepsy (1)
2016	Ad hoc reviewer (1 review): Epilepsy and Behavior (1)

- 2015 - 2018 Grant Reviewer, Autism Speaks Canada
- 2015 - 2018 Reviewer, SCINAPSE - Undergraduate Science Case Competition

### b) Committees / Roles:

<u>Date</u>	<u>Activity</u>
2021 – Present	<b>Co-lead</b> , Epilepsy professionals mentorship program, Canadian Paediatric Epilepsy Network (CPEN) and Canadian League Against Epilepsy (CLAE)
2019 – Present	<b>Secretary/Treasurer</b> , Canadian Paediatric Epilepsy Network (CPEN)
2019 – Present	<b>Vice-Chair</b> , Canadian Chapter of the Young Epilepsy Section (YES) of the International League Against Epilepsy (ILAE)
2017 - 2019	<b>Chair</b> , Epidemiology and Biostatistics Graduate Students' Council, Western University
2017 - Present	<b>Website Committee Member</b> , Canadian League Against Epilepsy (CLAE)
2016 - 2017	<b>Secretary</b> , Epidemiology and Biostatistics Graduate Students' Council, Western University

### PRESENTATIONS:

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1. **Puka K** (2022, Jun, Oral Presentation). Socioeconomic Inequalities in Mortality: Decomposing Differential Exposure and Vulnerability to Lifestyle Risk Factors. Research Society on Alcoholism 45<sup>th</sup> Annual Scientific Meeting, Orlando, FL, USA.
2. **Puka K** (2020, Dec, Oral Presentation). *Long-term sequelae of childhood-onset epilepsy and epilepsy surgery; Psychiatric and psychosocial outcomes*. Neuropsychology Special Interests Group, American Epilepsy Society Annual Meeting, Seattle, WA, USA.
3. **Puka K** (2020, Sept 27, Oral Presentation). *Neuropsychology and epilepsy – what every clinician treating epilepsy should know in 2020*. Hot Topics in Epilepsy, North American Epilepsy Congress, Toronto, ON, Canada.
4. **Puka K** (2019, September; Oral Presentation). *Cognitive outcomes of pediatric epilepsy surgery*. Canadian League Against Epilepsy Biennial Conference, Winnipeg, MB, Canada.
5. **Puka K** (2019, Aug 22, Oral Presentation). *Childhood-onset epilepsy and long-term child and maternal well-being*. Paediatric Neuroscience Rounds, Victoria Hospital, London, ON, Canada.
6. **Puka K** (2019, Jul 18, Oral Presentation). *Academic achievement and IQ*. Functional Impacts of Large Resective or Disconnective Pediatric Epilepsy Surgery: Identifying Gaps and Setting Patient-Centered Outcomes Research Priorities, The Brain Recovery Project, Cleveland, OH, USA.

7. **Puka K** (2018, Nov, Oral Presentation). *Development and implementation of a long-term population-based study of children with epilepsy*. Seminar Series, Woolcock Institute of Medical Research, Sydney, NSW, Australia.
8. **Puka K**, Tavares TP, Smith ML (2015, March; Oral Presentation). *Is there functional recovery after pediatric epilepsy surgery? Evidence from cognitive and affective outcomes*. Epilepsy Surgery Rounds, Toronto Western Hospital, Toronto, ON, Canada.
9. **Puka K**, Tavares TP, Smith ML (2015, January; Oral Presentation). *Feeling smarter, feeling calmer - Can youth hope for such improvements in the long-term after epilepsy surgery?* Fellows Talk, University of Toronto, Toronto, ON, Canada.

### **INTERNATIONAL / NATIONAL CONFERENCE PRESENTATIONS:**

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\* indicates presenting author(s) of oral presentations

1. **Puka K**, Ferro MA, Camfield CS, Levin SD, Smith ML, Wiebe S, Zou G, Speechley KN (2020, Dec; Poster Presentation). Self-reported quality of life and degree of youth-parent agreement: A long-term follow-up of childhood-onset epilepsy. American Epilepsy Society Annual Meeting, Seattle, WA, USA.
2. Jones M, **Puka K**, Mathern G (2020, Dec; Poster Presentation). Speech-and Cognition After Hemispherectomy for Hemimegalencephaly. American Epilepsy Society Annual Meeting, Seattle, WA, USA
3. Kiani H, Go C, Jones KC, **Puka K**, Connolly MB, Smith ML, RamachandranNair R (2020, Dec; Poster Presentation). Cognitive outcome in children with ESES. American Epilepsy Society Annual Meeting, Seattle, WA, USA.
4. **Puka K**, Ferro MA, Camfield CS, Levin SD, Smith ML, Wiebe S, Zou G, Speechley KN (2020, Sept; Poster Presentation). Self-reported quality of life and degree of youth-parent agreement: A long-term follow-up of childhood-onset epilepsy. North American Epilepsy Congress, Toronto, ON, Canada.
5. **Puka K**, Bax K, Andrade A, Devries-Rizzo M, Gangam H, Levin SD, Nouri MN, Prasad AN, Secco M, Zou G, Speechley KN (2019, September; Poster Presentation). Making Mindfulness Matter (M3): A randomized controlled trial of a community-based family intervention for children with epilepsy. Canadian League Against Epilepsy Biennial Conference, Winnipeg, MB, Canada.
6. **Puka K**, Ferro MA, Camfield CS, Levin SD, Smith ML, Wiebe S, Zou G, Speechley KN (2018, December; Poster Presentation). Long-term quality of life trajectories among individuals diagnosed with epilepsy in childhood. American Epilepsy Society 72<sup>nd</sup> Annual Meeting, New Orleans, LA, USA.
7. **Puka K**, Ferro MA, Anderson KK, Speechley KN (2018, September; Poster Presentation). Trajectories of Depressive Symptoms Among Mothers of Children with Newly Diagnosed Epilepsy: A Longitudinal 10-year study. Canadian League Against Epilepsy Biennial Conference, St. John's, NL, Canada.

8. **Puka K**, Ferro MA, Camfield CS, Levin SD, Smith ML, Wiebe S, Zou G, Speechley KN (2018, September; Poster Presentation). Long-term quality of life trajectories among individuals diagnosed with epilepsy in childhood. Canadian League Against Epilepsy Biennial Conference, St. John's, NL, Canada.
9. **Puka K**, Ferro MA, Anderson KK, Speechley KN (2017, December; Poster Presentation). Health related quality of life in mothers of children with epilepsy: 10 years after diagnosis. American Epilepsy Society 71<sup>st</sup> Annual Meeting, Washington, DC, USA.
10. **Puka K**, Tavares TP, Speechley KN (2017, October; Poster Presentation). Social Outcomes of Adults with Childhood-onset Epilepsy: A Systematic Review and Meta-Analysis. Canadian League Against Epilepsy Biennial Conference, Vancouver BC, Canada.
11. **Puka K\***, Speechley KN (2017, June; Oral Presentation). *Quality in life in parents of children with epilepsy: 10 years after diagnosis*. Canadian Society for Epidemiology and Biostatistics, Biennial Conference, Banff, AB, Canada.
12. **Puka K**, Smith ML, Widjaja E (2016, December; Poster Presentation). *The moderating effect of family environment on IQ in pediatric medically refractory epilepsy*. American Epilepsy Society 70<sup>th</sup> Annual Meeting, Huston, TX, USA.
13. Smith ML, **Puka K**, Widjaja E (2016, December; Poster Presentation). *Caregiver and family factors influence symptoms of anxiety and depression in children and adolescents with intractable epilepsy*. American Epilepsy Society 70<sup>th</sup> Annual Meeting, Houston, TX, USA.
14. Smith ML, **Puka K**, Widjaja E (2016, October; Poster Presentation). *The influence of child, caregiver and family factors on symptoms of anxiety and depression in children and adolescents with intractable epilepsy*. Canadian League Against Epilepsy Biennial Conference, Quebec City, QC, Canada
15. Hewson S, **Puka K**, Mercimek-Mahmutoglu S (2016, March; Poster Presentation). *Variable expressivity of a familial KCNQ2 mutation in a three-generation pedigree presenting with childhood seizures and intellectual disability*. Annual Clinical Genetics Meeting, Tampa, FL, USA.
16. **Puka K**, Smith ML, Moineddin R, Snead OC, Widjaja E (2015, December; Poster Presentation). *The influence of socio-economic status on health resource utilization in pediatric epilepsy*. American Epilepsy Society 69<sup>th</sup> Annual Meeting, Philadelphia, PA, USA.
17. Smith ML, **Puka K** (2014, December; Poster Presentation). *Memory Functioning: Long-Term Outcome After Epilepsy Surgery in Childhood*. American Epilepsy Society 68<sup>th</sup> Annual Meeting, Seattle, WA, USA.
18. Jones K, Boyd J, Go C, Ochi A, McCoy B, **Puka K**, Snead OC (2014, December; Poster Presentation). *Vigabatrin in the first line treatment of infantile spasms*. American Epilepsy Society 68<sup>th</sup> Annual Meeting, Seattle, WA, USA.

19. **Puka K**, Tavares TP, Smith ML (2014, October; Poster Presentation). *Long-Term Intellectual Functioning Following Epilepsy Surgery in Childhood*. Canadian League Against Epilepsy Biennial Conference, London, ON, Canada.
20. Tavares TP, **Puka K**, Smith ML (2014, October; Poster Presentation). *Long-term Emotional Functioning after Pediatric Epilepsy Surgery*. Canadian League Against Epilepsy Biennial Conference, London, ON, Canada.
21. Smith ML, Tremblay M, **Puka K**, Tavares TP (2013, June; Poster Presentation). *Cognition, behaviour and quality of life five to ten years after childhood epilepsy surgery*. 30<sup>th</sup> International Epilepsy Congress, Montreal, QC, Canada.
22. Avivi-Reich M, **Puka K**, Schneider BA (2013, June; Poster Presentation). *Could age related changes in auditory and visual processing alter the nature of multisensory integration in the presence of energetic and informational masking?* 2<sup>nd</sup> International Conference on Cognitive Hearing Science for Communication, Linköping, Sweden.
23. **Puka K**, Tavares TP, Tremblay M, Smith ML (2013, May; Poster Presentation). *Long-term cognitive outcomes of pediatric epilepsy surgery*. 7<sup>th</sup> Annual Canadian Neuroscience Meeting, Toronto, ON, Canada.
24. Tavares TP, **Puka K**, Tremblay M, Smith ML (2013, May; Poster Presentation). *Long-term follow-up of emotional functioning after pediatric epilepsy surgery*. 7<sup>th</sup> Annual Canadian Neuroscience Meeting, Toronto, ON, Canada.
25. Avivi-Reich M, **Puka K**, Schneider BA (2012, October; Poster Presentation). *Can age related declines in sensory processing alter the nature of multisensory integration in the presence of energetic and informational masking?* Annual Canadian Acoustical Association Meeting, Banff, AB, Canada.

#### **LOCAL / INSTITUTIONAL PRESENTATIONS:**

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\* indicates presenting author(s) of oral presentations

1. **Puka K**, Ferro MA, Camfield CS, Levin SD, Smith ML, Wiebe S, Zou G, Speechley KN (2020, May; Poster Presentation). Self-reported quality of life and degree of youth-parent agreement: A long-term follow-up of childhood-onset epilepsy. Child Health Research Day, London Health Sciences Center, London, ON, Canada.
2. **Puka K\***, Bax K, Andrade A, Devries-Rizzo M, Gangam H, Levin S, Nouri M, Prasad AN, Secco M, Zou G, Speechley KN (2019 May 10; Oral Presentation). Making Mindfulness Matter (M3): A randomized controlled trial of a community-based family intervention for children with epilepsy. Child Health Symposium, London, ON, Canada.
3. **Puka K\***, Ferro MA, Camfield CS, Levin SD, Smith ML, Wiebe S, Zou G, Speechley KN (2019 April 29; Oral Presentation). Long-term quality of life trajectories among individuals diagnosed with epilepsy in childhood. London Health Research Data, Western University, London, ON, Canada.

4. **Puka K\***, Ferro MA, Anderson KK, Speechley KN (2018, May; Oral Presentation). Trajectories of Depressive Symptoms Among Mothers of Children with Newly Diagnosed Epilepsy: A Longitudinal Ten-year Study. 31<sup>st</sup> Annual Paediatric Research Day, Victoria Hospital, London Health Sciences Center, London, ON, Canada.
5. **Puka K**, Ferro MA, Anderson KK, Speechley KN (2018, May; Poster Presentation). Trajectories of Depressive Symptoms Among Mothers of Children with Newly Diagnosed Epilepsy: A Longitudinal Ten-year Study. London Health Research Data, Western University, London, ON, Canada.
6. **Puka K**, Speechley KN (2017, May; Poster Presentation). *Quality in life in mothers of children with epilepsy: 10 years after diagnosis*. 30<sup>th</sup> Annual Paediatric Research Day, London, ON, Canada.
7. **Puka K**, Speechley KN (2017, May; Poster Presentation). *Quality in life in mothers of children with epilepsy: 10 years after diagnosis*. London Health Research Day, Western University, London, ON, Canada.
8. **Puka K\***, Speechley KN (2017, May; Oral Presentation). Quality of life in mothers of children with epilepsy: 10 years after diagnosis. Student Rounds, Department of Epidemiology & Biostatistics Western University, London, ON, Canada.
9. **Puka K\***, Speechley KN (2017, March; Oral Presentation). Health related quality of life in parents of children with epilepsy: 10 years after diagnosis. Western Research Forum, Western University, London, ON, Canada.
10. **Puka K**, Smith ML (2016, April; Poster Presentation). *Long-term outcomes of behavior problems after epilepsy surgery in childhood*. 10<sup>th</sup> Annual SickKids Centre for Brain & Mental Health Day, Toronto, ON, Canada.
11. **Puka K**, Smith ML, Moineddin R, Snead OC, Widjaja E (2016, January; Poster Presentation). *The influence of socio-economic status on health resource utilization in pediatric epilepsy*. 14<sup>th</sup> Annual Neuroscience Day at SickKids, Toronto, ON, Canada.
12. Smith ML, Tremblay M, **Puka K**, Tavares TP (2013, October; Poster Presentation). *Cognition, behaviour and quality of life five to ten years after childhood epilepsy surgery*. Brenda Milner Symposium, Montreal Neurological Institute, Montreal, QC, Canada.
13. **Puka K**, Tavares TP, Tremblay M, Smith, ML (2013, July; Poster Presentation). *Long-term cognitive outcomes of pediatric epilepsy surgery*. 3<sup>rd</sup> Biennial Conference on Brain Injury in Children, Toronto, ON, Canada.
14. **Puka K**, Avivi-Reich M, Schneider BA (2012, February; Poster Presentation). *Effects of masker type on the integration of multisensory information in younger and older adults*. University of Toronto Research Opportunity Fair, Mississauga, ON, Canada.

#### **MEDIA INTERVIEWS AND PRESS RELEASES:**

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1. Moreau C. Diverse mental health research at Western recognized. *CTV News*. URL: <https://london.ctvnews.ca/diverse-mental-health-research-at-western-recognized-1.4415595>
2. Mayne P. Mind mom's mental health after child's diagnosis. *Western News*. URL: <https://news.westernu.ca/2019/05/mind-moms-mental-health-after-childs-diagnosis/>. May 8, 2019.
3. Moreau C. Epilepsy is a condition that affects tens of thousands of Canadians and their families. *CTV News*. URL: <https://london.ctvnews.ca/epilepsy-is-a-condition-that-affects-tens-of-thousands-of-canadians-and-their-families-1.4396478>. April 26, 2019.
4. Bieman J. Local study: Moms of children with epilepsy at higher risk of depression. *The London Free Press*. <https://lfpres.com/news/local-news/local-study-moms-of-children-with-epilepsy-at-higher-risk-of-depression>. April 25, 2019. *This media release was also picked up by a number of media outlets including Global News, Blackburn News, and Lawson Health Research Institute.*
5. Positive Family Environment May Help Mitigate Depression Risk in Mothers of Children With Epilepsy. *Medical Health News*. URL: <http://www.medicalhealthnews.net/positive-family-environment-may-help-mitigate-depression-risk-in-mothers-of-children-with-epilepsy>. March 11, 2019.
6. Socio-economic status may impact care of children with epilepsy. *Wiley Newsroom*. URL: <https://newsroom.wiley.com/press-release/epilepsia/socio-economic-status-may-impact-care-children-epilepsy> January 19, 2016. *This media release was also picked up by a number of media outlets including: Medical Xpress, Medical News Today.*
7. Aschaiek S. Exploring the links between epilepsy surgery and academic outcomes. *University of Toronto*, Toronto, Canada. URL: <https://utm.utoronto.ca/main-news/exploring-links-between-epilepsy-surgery-and-academic-outcomes>. June 2, 2015. *This media release was also picked up by a number of media outlets including: Science Daily, Edmonton Epilepsy Association, and Epilepsy Research UK.*