

**Department of Clinical Neuroscience**  
Division of Insurance Medicine

## **Curriculum Vitae – Chantelle Murley**

### **Education**

- 2017 – **MSc Masters of Medical Sciences, Public Health Sciences, Karolinska Institutet, Sweden.**  
Track: Health economics, policy, and management.
- Thesis project: “Disposable income over time of people with multiple sclerosis: A nationwide register-based study in Sweden.”
- 2015 – **LLB (Hons) Bachelor of Laws with Honours, University of Auckland, New Zealand. Exchange semester Stockholms Universitet, Sweden.**
- Dissertation project: “Drop, Cover, Hold: Material damage clause interpretation and policy-holder protection in light of the Canterbury Earthquakes.”
  - Honours seminar project: “Does the Gillick competency test apply to minors in New Zealand, given the special nature of sexual health care services?”  
See: Murley, C. "Does the Gillick competency test apply in New Zealand, given the special nature of sexual health care services?" (2013) 1 Public Interest Law Journal of New Zealand 92.
- 2015 – **BHSc Bachelor of Health Sciences, University of Auckland, New Zealand.**
- Major: Population Health.

### **Current position**

- 2018 – **Doctoral (PhD) student, Division of Insurance Medicine, Department of Clinical Neuroscience, Karolinska Institutet, Sweden.**
- Thesis project: “Work disability, economic situation, and societal costs of multiple sclerosis in Sweden.”
  - Planned dissertation date 6<sup>th</sup> of May 2022.

### **Earlier positions**

- 2017-2018 Research assistant in the “Sickness absence, health and life situation” research group, Division of Insurance Medicine, Karolinska Institutet.
- 2017 Policy contractor, PHARMAC pharmaceutical reimbursement agency, New Zealand.
- 2016 Policy intern, PHARMAC pharmaceutical reimbursement agency, New Zealand.

### **Publications**

Publications in peer reviewed journals

- Smyrke N, Dunn N, **Murley C**, Mason D. Standardized mortality ratios in multiple sclerosis: Systematic review with meta-analysis. *Acta Neurol Scand.* 2021 Nov 24. Epub ahead of print.
- Bosma AR, **Murley C**, Aspling J, Hillert J, G Schaafsma F, R Anema J, Boot CRL, Alexanderson K, Machado A, Friberg E. Trajectories of sickness absence and disability pension days among people with multiple sclerosis by type of occupation. *Multiple Sclerosis Journal. Mult Scler.* 2021 Oct 6:13524585211048759. Epub ahead of print.
- **Murley C**, Tinghög P, Alexanderson K, Hillert J, Friberg E, Karampampa K. Cost-of-Illness Progression Before and After Diagnosis of Multiple Sclerosis: A Nationwide Register-Based Cohort Study in Sweden of People Newly Diagnosed with Multiple Sclerosis and a Population-Based Matched Reference Group. *Pharmacoeconomics.* 2021 Jul;39(7):835-851.
- **Murley C**, Tinghög P, Karampampa K, Hillert J, Alexanderson K, Friberg E. Types of working-life sequences among people recently diagnosed with multiple sclerosis in Sweden: A nationwide register-based cohort study. *BMJ Open.* 2020 Dec 29;10(12):e039228.
- Bütepage G, Esawi A, Alexanderson K, Friberg E, **Murley C**, Hillert J, Karampampa K. Cost-of-illness trajectories among people with multiple sclerosis by comorbidity: A register-based prospective study in Sweden. *Mult Scler J Exp Transl Clin.* 2020 Oct 23;6(4):2055217320968597.
- **Murley C**, Karampampa K, Alexanderson K, Hillert J, Friberg E. Diagnosis-specific sickness absence and disability pension before and after multiple sclerosis diagnosis: An 8-year nationwide longitudinal cohort study with matched references. *Mult Scler Relat Disord.* 2020;42:102077.
- **Murley C**, Friberg E, Hillert J, Alexanderson K, Yang F. Validation of multiple sclerosis diagnoses in the Swedish National Patient Register. *Eur J Epidemiol.* 2019 Sep 6; 34:1161-9.
- Gyllensten H, Kavaliunas A, **Murley C**, Alexanderson K, Hillert J, Tinghög P, Friberg F. Costs of illness progression for different multiple sclerosis phenotypes: A population-based study in Sweden. *Mult Scler J Exp Transl Clin.* 2019 Jun 28;5(2):2055217319858383.
- Wiberg M, **Murley C**, Tinghög P, Alexanderson K, Palmer E, Hillert J, Stenbeck M, Friberg E. Earnings among people with multiple sclerosis compared to references, in total and by educational level and type of occupation: a population-based cohort study at different points in time. *BMJ Open.* 2019 Jul 11;9(7):e024836.
- Karampampa K, Gyllensten H, Yang F, **Murley C**, Friberg E, Hillert J, Alexanderson K. Healthcare, sickness absence, and disability pension cost trajectories in the first 5 years after diagnosis with multiple sclerosis: A prospective register-based cohort study in Sweden. *Pharmacoecon Open.* 2019 Jun 11;4: 91-103.
- **Murley C**, Yang F, Gyllensten H, Alexanderson K, Friberg E. Disposable income trajectories of working-aged individuals with diagnosed multiple sclerosis. *Acta Neurol Scand.* 2018. 138(6): 490-499.

- **Murley C**, Mogard O, Wiberg M, Alexanderson K, Karampampa K, Friberg E, Tinghög P. Trajectories of disposable income among people of working ages diagnosed with multiple sclerosis: a nationwide register-based study in Sweden 7 years before to 4 years after diagnosis with a population-based reference group. *BMJ Open*. 2018. 8(5): e020392.

Abstracts accepted and presented at international conferences

- **2021 EPH**, Virtual - Bosma A, **Murley C**, Aspling J, Hillert J, Schaafsma F, Anema J, Boot C.R.L, Alexanderson K, Machado A, Friberg E. Trajectories of sickness absence and disability pension by type of occupation in multiple sclerosis. 14th European Public Health (EPH) Conference, 10 – 12 November 2021. Oral presentation.
- **2021 EPH**, Virtual - Machado A, **Murley C**, Hillert J, Andersson K, Friberg E. Sickness absence and disability pension within different employment status in multiple sclerosis. 14th European Public Health (EPH) Conference, 10 – 12 November 2021. Poster presentation.
- **2020 ISPOR Europe**, Virtual - **Murley C**, Tinghög P, Karampampa K, Hillert J, Alexanderson K, Friberg E. Patterns of working life sequences among people recently diagnosed with MS in Sweden: A nationwide register-based longitudinal cohort study. *Value in Health*, 2020, 23 (Suppl 2); S637. ISPOR Europe 2020; Virtual, 14-18 November 2020. Poster presentation.
- **2020 EUMASS**, Virtual - **Murley C**, Karampampa K, Alexanderson K, Hillert J, Friberg E. Diagnosis-specific sickness absence and disability pension before and after multiple sclerosis diagnosis with a matched reference group: a Swedish study. European Union for Medicine in Assurance and Social Security (EUMASS) Congress; Basel, Switzerland, 17-19 September 2020. Virtual 16-17 September 2021. Oral presentation.
- **Murley C**, Tinghög P, Karampampa K, Hillert J, Alexanderson K, Friberg E. Patterns of working life sequences among people recently diagnosed with MS in Sweden: A nationwide register-based longitudinal cohort study. European Health Economics Association (EuHEA) Conference; Oslo, Norway, 7-10 July 2020. Cancelled.
- **2019 EPH**, Marseille, France - **Murley C**, Wiberg M, Tinghög P, Alexanderson K, Palmer E, Hillert J, Stenbeck M, Friberg E. Earnings among people with multiple sclerosis in Sweden, by education and occupation. *European Journal of Public Health*, 2019, 29 (Suppl 4). 12th European Public Health (EPH) Conference, 20-23 November 2019. Oral presentation.
- **2019 ECTRIMS**, Stockholm, Sweden - **Murley C**, Friberg E, Hillert J, Alexanderson K, Yang F. Validation of the multiple sclerosis diagnosis codes of patients aged 16-64 years recorded in the Swedish National Patient Register in 2001-2013 by two sequential register-based case-definition algorithms. *Multiple Sclerosis Journal*, 2019, 25 (Suppl 2); 581. 35th Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), 11-13 September 2019. Poster presentation.

- **2019 ECTRIMS**, Stockholm, Sweden - **Murley C**, Karampampa K, Hillert J, Alexanderson K, Friberg E. Diagnosis-specific sickness absence and disability pension in the years before and after multiple sclerosis diagnosis: an 8-year nationwide cohort study with a matched reference group. *Multiple Sclerosis Journal*, 2019, 25 (Suppl 2); 289. 35th Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), 11-13 September 2019. Poster presentation.
- **2019 ECTRIMS**, Stockholm, Sweden- **Karampampa K**, Gyllensten H, **Murley C**, Kavaliunas A, Alexanderson K, Manouchehrinia A, Hillert J, Olsson T, Friberg E. Disability and cost of illness trajectories among people with MS initiating early vs late with disease modifying MS therapies: a register-based study in Sweden. *Multiple Sclerosis Journal*, 2019, 25 (Suppl 2); 641-2. 35th Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), 11-13 September 2019. Poster presentation.
- **2019 ECTRIMS**, Stockholm, Sweden - **Bütepage G**, Esawi A, Alexanderson K, Friberg E, **Murley C**, Hillert J, Karampampa K. Cost trajectories of healthcare, sickness absence, and disability pension among newly diagnosed people with MS: A register-based longitudinal study in Sweden analysing the cost of illness trajectories of MS by comorbidity groups. *Multiple Sclerosis Journal*, 2019, 25 (Suppl 2); 423. 35th Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), 11-13 September 2019. Poster presentation.
- **2018 ISPOR**, Barcelona, Spain - **Karampampa K**, Gyllensten H, Yang F, **Murley C**, Friberg E, Hillert J, Alexanderson K. Healthcare, sickness absence, and disability pension cost trajectories in five years following MS diagnosis: Register-based prospective cohort studies in Sweden. *Value in Health*. 2018 21 (Suppl 3); S335-S335. ISPOR Europe 2018, 10-14 November 2018. Poster presentation.
- **2018 ECTRIMS**, Berlin, Germany – **Murley C**, Yang F, Gyllensten H, Alexanderson K, Friberg E. Disposable income trajectories of working-aged people with a multiple sclerosis diagnosis: A Swedish register-based cohort study. *Multiple Sclerosis Journal*. 2018 24; 571-572. 34th Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), 10-12 October 2018. Poster presentation.
- **2018 ECTRIMS**, Berlin, Germany – **Karampampa K**, Gyllensten H, Yang F, **Murley C**, Friberg E, Hillert J, Alexanderson K. Cost progression regarding healthcare, sickness absence, and disability pension among people newly diagnosed with MS: a register-based longitudinal study in Sweden estimating cost trajectories in four cohorts of incident MS cases over time. *Multiple Sclerosis Journal*, 2018 24; 164-165. 34th Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), 10-12 October 2018. Poster presentation.
- **2017 EPH**, Stockholm, Sweden –**Murley C**, Mogard O, Wiberg M, Alexanderson K, Karampampa K, Tinghög P. Disposable Income of people with Multiple Sclerosis over time: A nationwide registry study in Sweden. *European Journal of Public Health*, 2017 27 (Suppl 3). 10th European Public Health (EPH) Conference, 1-4 November 2017. Oral presentation.

## **Grants in my own name**



**KI FONDER** Travel grant 2018: 5000 SEK

**ECTRIMS 2019 Scientific Programme Committee** Travel Grant (Free Registration)

**KI FONDER** Travel grant 2020: 8000 SEK

### **Awards**

**Töres Theorell Young Investigator Award 2019**, Awarded by the Stockholm Stress Center  
1st October 2019.

### **Other merits**

**CNS collaboration council**, PhD representative, 2019 - 2021.

**SHEA PhD network**, Network board member, 2021-present.