



Curriculum Vitae

Personal information **Finbarr Leacy**

Work experience

Health Products Regulatory Authority (Ireland)

Current Position: Senior Biostatistician (Sep 2022 -)

Previous Position: Biostatistician (Jun 2018 - Aug 2022)

Activities:

- Committee for Medicinal Products for Human Use (CHMP) - Irish Alternate Member (Jan 2026 -)
- Committee for Medicinal Products for Human Use (CHMP) - Irish Alternate Member (Sep 2022 - Jan 2026)
- CHMP Scientific Advice Working Party (SAWP) - Alternate member (Nov 2018 - Sep 2022)
- Methodology European Specialised Expert Community (ESEC) - Expert (Feb 2023 -)
- CHMP Biostatistics Working Party (BSWP) - Member (Feb 2020 - July 2023)
- CHMP Biostatistics Working Party (BSWP) - Additional assessor / Observer (Dec 2018 - Jan 2020)

Royal College of Surgeons in Ireland (Ireland)

Position: StAR Research Lecturer in Biostatistics (Apr 2016 - May 2018)

Education and training

University of Cambridge (United Kingdom)

Qualification: PhD Biostatistics

Thesis title: *Multiple imputation under missing not at random assumptions via fully conditional specification*

Johns Hopkins University (United States)

Qualification: ScM Biostatistics

Thesis title: *On the joint use of propensity and prognostic scores in causal treatment effect estimation: a comparative study*

Johns Hopkins University (United States)

Qualification: Certificate in Public Mental Health Research

University College Cork (Ireland)

Qualification: BSc (Hons) Financial Mathematics and Actuarial Science

Additional information

Publications

- Moreno-Betancur M, Lee KJ, **Leacy FP**, Simpson JA, Carlin JB. Correction to: "Canonical causal diagrams to guide the treatment of missing data in epidemiologic studies". *Am J Epidemiol*. 2025 Mar 4;194(3):877-880. doi: 10.1093/aje/kwae406. Erratum for: *Am J Epidemiol*. 2018 Dec 1;187(12):2705-2715. doi: 10.1093/aje/kwy173.
- Lång U, Ramsey H, Yates K, Veijola J, Gyllenberg D, Clarke MC, **Leacy FP**, Gissler M, Kelleher I. Potential for prediction of psychosis and bipolar disorder in Child and Adolescent Mental Health Services: a longitudinal register study of all people born in Finland in 1987. *World Psychiatry*. 2022 Oct;21(3):436-443. doi: 10.1002/wps.21009.
- Lång U, Yates K, **Leacy FP**, Clarke MC, McNicholas F, Cannon M, Kelleher I. Systematic Review and Meta-analysis: Psychosis Risk in Children and Adolescents With an At-Risk Mental State. *J Am Acad Child Adolesc Psychiatry*. 2022 May;61(5):615-625. doi: 10.1016/j.jaac.2021.07.593.
- Brannigan R, Tanskanen A, Huttunen MO, Cannon M, **Leacy FP**, Clarke MC. Maternal smoking during pregnancy and offspring psychiatric disorder: a longitudinal birth cohort study. *Soc Psychiatry Psychiatr Epidemiol*. 2022 Mar;57(3):595-600. doi: 10.1007/s00127-021-02094-w.
- Brannigan R, Healy C, Cannon M, **Leacy FP**, Clarke MC. Prenatal tobacco exposure and psychiatric outcomes in adolescence: is the effect mediated through birth weight? *Acta Psychiatr Scand*. 2020 Oct;142(4):284-293. doi: 10.1111/acps.13210.
- Madden JM, **Leacy FP**, Zgaga L, Bennett K. Fitting marginal structural and G_estimation models under complex treatment patterns: investigating the association between de novo vitamin D supplement use post breast cancer

diagnosis and all-cause mortality using linked pharmacy claim and registry data. *Am J Epidemiol*. 2020 Mar 2;189(3):224-234. doi: 10.1093/aje/kwz243.

- Brannigan R, Cannon M, Tanskanen A, Huttunen MO, **Leacy FP**, Clarke MC. Childhood temperament and its association with adult psychiatric disorders in a prospective cohort study. *Schizophr Res*. 2020 Feb;216:229-234. doi: 10.1016/j.schres.2019.11.055.

- Brannigan R, Tanskanen A, Huttunen MO, Cannon M, **Leacy FP**, Clarke MC. The role of prenatal stress as a pathway to personality disorder: longitudinal birth cohort study. *Br J Psychiatry*. 2020 Feb;216(2):85-89. doi: 10.1192/bjp.2019.190.

- Brannigan R, Cannon M, Tanskanen A, Huttunen MO, **Leacy FP**, Clarke MC. The association between subjective maternal stress during pregnancy and offspring clinically diagnosed psychiatric disorders. *Acta Psychiatr Scand*. 2019 Apr;139(4):304-310. doi: 10.1111/acps.12996.

- Hayden JC, Doherty DR, Dawkins I, **Leacy FP**, Healy M, Breatnach CV, Cousins G, Gallagher PJ. The effectiveness of α_2 agonists as sedatives in paediatric critical care: a propensity score matched cohort study. *Crit Care Med*. 2019 Jul;47(7):e580-e586. doi: 10.1097/CCM.0000000000003789.

- Jeremiah OJ, Cousins G, **Leacy FP**, Kirby BP, Ryan BK. Evaluation of the effect of insulin sensitivity enhancing lifestyle and dietary related adjuncts on antidepressant treatment response: protocol for a systematic review and meta-analysis. *Syst Rev*. 2019 Feb 25;8(1):62. doi: 10.1186/s13643-019-0978-8.

- Moreno-Betancur M, Lee KJ, **Leacy FP**, White IR, Simpson JA, Carlin JB. Canonical causal diagrams to guide the treatment of missing data in epidemiologic studies. *Am J Epidemiol*. 2018 Dec 1;187(12):2705-2715. doi: 10.1093/aje/kwy173.

- Tompsett DM, **Leacy FP**, Moreno-Betancur M, White IR, Heron J. On the use of the not at random fully conditional specification procedure (NARFCS) in practice. *Stat Med*. 2018 Jul 10;37(15):2338-2353. doi: 10.1002/sim.7643.

- Yates TA, Ayles H, **Leacy FP**, Schaap A, Boccia D, Beyers N, Godfrey-Faussett P, Floyd S. Socio-economic gradients in prevalent tuberculosis in Zambia and the Western Cape of South Africa. *Trop Med Int Health*. 2018 Apr;23(4):375-390. doi: 10.1111/tmi.13038.

- Hayden JC, Dawkins I, Breatnach C, **Leacy FP**, Foxton J, Healy M, Gallagher PJ, Cousins G, Doherty DR. Effectiveness of α_2 agonists for sedation in paediatric critical care: study protocol for a retrospective cohort observational study. *BMJ Open*. 2017 May 30;7(5):e013858. doi: 10.1136/bmjopen-2016-013858.

- **Leacy FP**, Floyd S, Yates TA, White IR. Analyses of sensitivity to the missing at random assumption using multiple imputation with delta adjustment: application to a tuberculosis/HIV prevalence survey with incomplete HIV-status data. *Am J Epidemiol*. 2017 Feb 15;185(4):304-315. doi: 10.1093/aje/kww107.

- Robles-Espinoza CD, Roberts ND, Chen S, **Leacy FP**, Alexandrov LB, Pornputtapong N, Halaban R, Krauthammer M, Cui R, Timothy Bishop D, Adams DJ. Germline MCR1 status influences somatic mutation burden in melanoma. *Nat Commun*. 2016 Jul 12;7:12064. doi: 10.1038/ncomms12064.

- Seaman SR, White IR, **Leacy FP**. Comment on "Analysis of longitudinal trials with protocol deviations - a framework for relevant, accessible assumptions, and inference via multiple imputation" by Carpenter, Roger and Kenward. *J Biopharm Stat*. 2014;24(6):1358-62. doi: 10.1080/10543406.2014.928306.

- **Leacy FP**, Stuart EA. On the joint use of propensity and prognostic scores in estimation of the average treatment effect on the treated: a simulation study. *Stat Med*. 2014 Sep 10;33(20):3488-508. doi: 10.1002/sim.6030.

- Stuart EA, Lee BK, **Leacy FP**. Prognostic score based balance measures can be a useful diagnostic for propensity score methods in comparative effectiveness research. *J Clin Epidemiol*. 2013 Aug;66(8 Suppl):S84-S90.e1. doi: 10.1016/j.jclinepi.2013.01.013.

Projects

European Causal Inference Meeting (EuroCIM) - Steering Group member

Missing Data, Imputation and Analysis (MiDIA) Group - member

MiDIA is a research network comprising principal investigators, postdoctoral fellows and doctoral students from leading academic biostatistics and epidemiology departments in the UK, France and Australia.

Memberships

- Royal Statistical Society - **Chartered Statistician (CStat)**
- American Statistical Association - **Accredited Professional Statistician® (PStat®)**

Other Relevant Information

Participation at Scientific Conferences (2013 -):

Oral contributed presentations - International Society for Clinical Biostatistics Annual Conference; Royal Statistical Society International Annual Conference; Joint Statistical Meetings; UK Causal Inference Meeting; Conference on Applied Statistics in Ireland.

Pre-conference workshop leader - International Clinical Trials Methodology Conference 2019

Peer review activities (2013 -):

Journal article review - *Statistical Methods in Medical Research*; *Statistics in Medicine*; *Biometrical Journal*; *Epidemiology*; *American Journal of Epidemiology*; *Pharmacoepidemiology and Drug Safety*; *Clinical Pharmacology & Therapeutics*; *Journal of Statistical Computation and Simulation*; *Health Services and Outcomes Research Methodology*

Book proposal review - Chapman & Hall/CRC Press

Grant application review - Medical Research Council (United Kingdom)