

**Ciara Keenan, PhD, MSc, BSc (Hons)****Curriculum Vitae**

Research Fellow | Campbell UK &amp; Ireland

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I am a post-doctoral researcher with strong quantitative background and an established international reputation in evidence synthesis methodology. Throughout my higher education and post-doctoral posts, I have been most responsive to research investigating how inequalities shape society and how these poor outcomes can be transgenerational.

**Fields of concentration:** systematic reviews | meta-analyses | race | ethnicity | diversity | inclusion | homelessness | disability | vulnerable and marginalised groups | post-conflict societies

**Education****MSc Biostatistics (NUIG, 2022)**

Dissertation: Examining solutions to the missingness issue in meta-analysis.

Supervisor: Professor John Newell

**PhD Sociology/ Psychology (QUB, 2018)**

Dissertation: Universal Preschool- and School-based Education Programmes for Reducing Ethnic Prejudice and Promoting Respect for Diversity among Children Aged 3-11: A Systematic Review and Meta-Analysis.

Supervisors: Professor Paul Connolly, Dr Clifford Stevenson, and Dr Laura Taylor

**MSc Autism Spectrum Disorders (QUB, 2014)**

Dissertation: Video-based interventions for promoting positive social behaviour in children with autism spectrum disorders: a systematic review and meta-analysis.

Supervisor: Professor Allen Thurston

**BSc (Hons) Social Psychology (UUC, 2009)**

Supervisor: Professor Ronnie Wilson

## Current Employment

Research Fellow, Campbell UK & Ireland (0.6FTE)

Research Fellow, School of Psychology (0.4FTE)

## Previous Employment

Associate Director, Cochrane Ireland. 2020

Editorial Assistant, Cochrane. 2017

Systematic Reviewer, Klejnen Systematic Reviews Ltd., 2017

## Internships

### **Vanderbilt University, Nashville (Mar – May 2015)**

Purpose: Training in meta-analysis and employment on various research projects.

Skills acquired: Effect size computation, primary data analysis, advanced meta-analysis.

Supervisors: Professors Sandra-Jo Wilson, Emily Tanner-Smith, and Mark Lipsey.

### **Western University, Ontario (Nov 2014)**

Purpose: Training in information retrieval

Skills acquired: The use of Pearl Harvesting information retrieval and its application to systematic reviews through one-to-one training with the developer of the method.

Supervisor: Professor Robert Sandieson

## Successful Research Grants

COHERE Phase 2: Suite of living systematic reviews on determinants of COVID Health Related

Behaviour (April 2021- October 2022) Funder: UKRI COVID Rolling Call (**£380,000**) Role: Co-Investigator

A rapid EGM on education research during COVID-19 (March – June 2021). Funder: Department of Education, Northern Ireland (**£15,000**) Role: Co-Investigator

A rapid systematic review on Kidney research during COVID-19 (June – August 2020). Funder: Insilica LLC. (**\$2,000**) Role: Principal Investigator

Three systematic reviews on the prevention of homelessness (Jan-Sept 2019). Funder: Crisis UK (£157,680). Role: Co-Investigator

## Other Funding

2016 - BERA student bursary to attend BERA conference

2015 - Emily Sarah Montgomery travel scholarship to travel to Nashville

2014 - DEL studentship to complete PhD research

2014 - Smith Richardson Foundation research grant to employ four coders on PhD project

## Professional Affiliations

- Organising committee of the [Evidence Synthesis Hackathon, 2021 and 2022](#)
- Organising committee of [Virtually Cochrane, 2021](#).
- Steering group for Priority III, Evidence Synthesis Ireland 2020 – present.
- Review Panel for shortlisted grants, CEDIL commissioned projects 2019.
- Grant peer reviewer, CEDIL commissioned projects 2019.

## Editorial appointments

- Campbell's working group for Meta-Reviews 2020- present.
- Methods Editor, Campbell Collaboration 2018 – present.
- Founder and Editor, [Meta-Evidence blog](#) 2018 – present.
- Co-convenor, Campbell's information retrieval group 2018- present.
- Information retrieval specialist, Campbell Collaboration 2017 – present.

## Selected invited talks

**July 2021:** GESI – Campbell Collaboration webinar series. Topic: Searching in Campbell reviews: Improving and creating the evidence base (Online - webinar) Role: Facilitator.

**April 2021:** International Collaboration for the Automation of Systematic Reviews. Topic: Covid-19 and the meta-evidence project. Role: Speaker.

**January 2021:** Evidence Synthesis and Meta-Analysis in R (ESMA-R) Conference. Topic: Evimappr: an R package for producing interactive bubble plots of evidence. Role: Speaker.

**November 2020:** Housing studies association. Topic: Effectiveness of interventions to prevent homelessness. Role: Invited panel member.

**May 2020:** OECD Centre for Education Research and Innovation panel. Topic: COVID-19: implications for education experts and evidence. Role: Invited panel member.

**May 2020:** GESI – Campbell Collaboration webinar series. Topic: Plain Language Summaries: Improving the reach of your Systematic Review. Role: Facilitator.

**July 2018:** Guest on Podcast by Party of Reason and progress (PORP) to discuss Science communication.

**June 2018:** UK parliament. Topic: Are we looking at what people need to know? Role: Invited panel member.

## Teaching / supervision experience

Current Teaching and/or Supporting Learning Roles at Queen's	Dates
Developing teaching for the online open programme 'Systematic Reviews in Social Sciences'. This programme will be run over a number of months for all students and staff at Queen's to attend. I will be teaching three modules on searching, formulation of the research question, and data extraction. I will be using connected, online learning using a mixture of synchronous and asynchronous teaching ( <b>6 hours teaching</b> )	Aug – Nov 2021
Co-facilitator of 2-day online workshop on Evidence and Gap Maps. Ran for Campbell UK & Ireland within Centre for Evidence and Social Innovation (CESI) ( <b>8 hours teaching</b> )	May 2021
Provision of ongoing mentorship to an Evidence Synthesis Ireland fellow based in Queen's. This fellowship was a competitive process which provides the fellow the opportunity to learn more about evidence synthesis from an experienced methodologist, such as myself ( <b>approx. 2 hours tutoring per week</b> ).	Mar 2021
I am currently mentoring various academic staff from QUB, helping them undertake evidence syntheses within the Cochrane/Campbell framework ( <b>approx.1 hour tutoring per week</b> ).	Nov 2017 - ongoing
An advisory role for a PhD student at the School of Education and Centre for Public Health at Queen's University Belfast ( <b>approx.1 hour tutoring per week</b> ).	Dec 2020 - ongoing
Primary supervisor for a master's student (student one) at the School of Education at Queen's University Belfast ( <b>approx.1 hour tutoring per week</b> ).	Mar – Nov 2020

Primary supervisor for a master's student (student 2) at the School of Education at Queen's University Belfast ( <b>approx.1 hour tutoring per week</b> ).	Mar – May 2020
Facilitator of full day in-person workshop on Advanced search methods for systematic reviews and meta-analysis in school of Medicine, Dentistry and Biomedical Sciences ( <b>7 hours teaching</b> )	Nov 2018
Co-facilitator of three day in-person workshop on Introduction to Systematic Reviews & Evidence and Gap Maps for Campbell UK and Ireland within Centre for Evidence and Social Innovation (CESI) ( <b>12 hours teaching</b> )	May 2018
Facilitator of full day in-person workshop on Advanced search methods for systematic reviews and meta-analysis in school of Medicine, Dentistry and Biomedical Sciences ( <b>7 hours teaching</b> )	Nov 2017
<b>Teaching and/or Supporting Learning Roles outside Queen's</b>	<b>Dates</b>
Primary supervisor of a Master's student at the School of Nursing & Midwifery, NUI Galway ( <b>approx.1 hour tutoring per week</b> ).	Nov 2020 - ongoing
Co-facilitator of 3 full day in-person workshop (21 hours) on Systematic reviews. Ran for Campbell Collaboration in Lanzhou University, China ( <b>12 hours teaching</b> )	Feb 2019
Plain Language Summaries: Improving the reach of your Systematic Review. GESI – Campbell Collaboration webinar series ( <b>1 hour webinar</b> )	May 2020
Effective searching. Cochrane Ireland ( <b>20-minute online video</b> )	Nov 2020
Plain Language Summaries. Cochrane Colloquium ( <b>1.5 hour workshop</b> ).	Sep 2018

## Recent Publications (\* indicates open access)

- \***Keenan, C.,** Noone, C., McConnell, K., Cheng S.H. (2021). A rapid response to the COVID-19 outbreak: the meta-evidence project. *Journal of EAHIL*, 17 (2)
- \***Keenan, C.,** Miller, S., Hanratty, J., Pigott, T. D., Hamilton, J., Coughlan, C., . . . Cowman, J. (2021). Accommodation-based interventions for individuals experiencing, or at risk of experiencing, homelessness. *Campbell Systematic Reviews*, 17(2), e1165.  
doi:<https://doi.org/10.1002/cl2.1165>
- \***Keenan, C.,** Thurston, A., Storey, C., & Urbanska, K. PROTOCOL: Video-based interventions for promoting positive social behaviour in children with autism spectrum disorders: a systematic review and meta-analysis. *Campbell Systematic Reviews*. 2021; 17:e1171.  
<https://doi.org/10.1002/cl2.1171>

- \*Gillies, K., Kearney, A., **Keenan, C.**, Treweek, S., Hudson, J., Brueton, V. C., . . . et al. (2021). Strategies to improve retention in randomised trials. *Cochrane Database of Systematic Reviews*(3). <https://doi.org/10.1002/14651858.MR000032.pub3>
- \*Haddaway, N. R., Akl, E. A., Page, M. J., Welch, V. A., **Keenan, C.**, & Lotfi, T. (2020). Open synthesis and the coronavirus pandemic in 2020. *Journal of Clinical Epidemiology*, 126, 184-191. <https://doi.org/10.1016/j.jclinepi.2020.06.032>
- \*Burke, N. N., Galvin, S., Devane, D., & **Keenan, C.** (2020). COVID-19 Emergency Evidence Response Service: report from Ireland. *Collaborating in response to COVID-19: editorial and methods initiatives across Cochrane. Cochrane Database of Systematic Reviews*, 12.
- \*Mahalingasivam, V., Craik, A., Tomlinson, L. A., Ge, L., Hou, L., Wang, Q., . . . **Keenan, C.** (2020). COVID-19 and kidney transplantation: A systematic review. *Kidney international reports*. 6(1) 24-45. <https://doi.org/10.1016/j.ekir.2020.10.023>
- Hennessy, E. A., Johnson, B. T., & **Keenan, C.** (2019). Best practice guidelines and essential methodological steps to conduct rigorous and systematic meta-reviews. *Applied Psychology: Health and Well-Being*, 11(3), 353-381.
- \*Connolly, P., **Keenan, C.**, & Urbanska, K. (2018). The trials of evidence-based practice in education: a systematic review of randomised controlled trials in education research 1980–2016. *Educational Research*, 60(3), 276-291.
- \*Riemsma R, Corro Ramos I, Thielen F, Fayter D, Armstrong N, Wei C-Y, **Keenan C**, Huertas Carrera V, Büyükkaramikli N, Misso K, Worthy G, Kleijnen J. (2017). Obinutuzumab for untreated advanced follicular lymphoma: A Single Technology Assessment for NICE. York: Kleijnen Systematic Reviews Ltd.
- \*Riemsma R, Corro Ramos, I, Büyükkaramikli N, Fayter D, Armstrong N, **Keenan C**, Swift S, Huertas Carrera V, Misso K, Worthy G, Al M, Kleijnen J. (2017). Grazoprevir–elbasvir for treating chronic hepatitis C: A Single Technology Assessment for NICE. York: Kleijnen Systematic Reviews Ltd.

## Protocols, Preprints and papers in press

- \*In press: **Keenan, C.**, Connolly, P., Urbanska, K., & Taylor, L. (2021). Universal preschool-and school-based education programmes for reducing ethnic prejudice and promoting respect for

diversity among children aged 3-11: A systematic review and meta-analysis. Campbell Systematic Reviews

- \*Published protocol: **Keenan, C.**, Miller, S., Hanratty, J., Pigott, T. D., Mackie, P., Cowman, J., ... & Fitzpatrick, S. (2020). PROTOCOL: Accommodation-based interventions for individuals experiencing, or at risk of experiencing, homelessness. Campbell Systematic Reviews, 16(3), e1103.
- \*Published protocol: Bergero, G., **Keenan, C.**, & Liew, A. (2021). PROTOCOL: The efficacy and safety profile of leptin replacement therapy for non-HAART associated lipodystrophic syndromes: A systematic review and meta-analysis. Inplasy protocol 202110047. doi:10.37766/inplasy2021.1.0047
- \*Published protocol: Maynard, B. R., Duvendack, M., Hennessy, E. A., **Keenan, C.**, Lunny, C., & Welch, V. A. (2021). Protocol: Methodological Expectations of Campbell Collaboration Intervention Meta-Reviews: Conduct and Reporting Standards. Retrieved from osf.io/knvg4
- \*Published protocol: Carvalho, C., & **Keenan, C.** (2021). PROTOCOL: Nurses' knowledge about Palliative Care in long term care facilities for older people: A scoping review. <https://doi.org/10.6084/m9.figshare.14040035.v3>
- \*Published protocol: **Keenan, C.**, Pigott, T.D., Newell, J. (2020). PROTOCOL: Examining solutions to the missingness issue in meta-analysis: A Systematic Review. <https://doi.org/10.6084/m9.figshare.13270298.v1>
- \*Published protocol: Cáceres-Escobar, H., Broad, S., Challender, D. W. S., Kinnaird, M. F., **Keenan, C.**, Lichtenstein, G., Rodriguez, J. P., Roe, D., Rouan, A. D., Van Dijk, P. P., Zambrana-Torrelío, C., & Kock, R. (2020). PROTOCOL: an Evidence and Gap Map (EGM) about the Roles and Risks of Wildlife Trade in the Emergence of Human Infectious Diseases and Zoonoses. <https://doi.org/10.6084/m9.figshare.13392275.v2>
- \*Published protocol: Hull, K.L., Selvaskandan, H., Cheung, C.K., **Keenan, C.**, Simmons, B., Lightstone, L., Griffith, M., Ge, L., Zhu, H., Lim M. PROTOCOL: Evaluating the impact of immunosuppressive agents used for the treatment of auto-immune kidney disease on COVID-19 severity: A systematic review. PROSPERO 2020 CRD42020226260 Available from: [https://www.crd.york.ac.uk/prospERO/display\\_record.php?ID=CRD42020226260](https://www.crd.york.ac.uk/prospERO/display_record.php?ID=CRD42020226260)
- \*Published protocol: Miller, S., **Keenan, C.**, Hanratty, J., Hamilton, J., Coughlan, C., Mackie, P., ... & Maddock, A. (2020) PROTOCOL: Improving access to health and social services for



individuals experiencing, or at risk of experiencing, homelessness. Campbell Systematic Reviews, 16(3), e1109.

- \*Published protocol: Hanratty, J., Miller, S., **Keenan, C.**, Cowman, J., Hamilton, J., & Mackie, P. (2020). PROTOCOL: Discharge programmes for individuals experiencing, or at risk of experiencing, homelessness: A systematic review. Campbell Systematic Reviews, 16(3), e1109.
- \*Protocol in press: Vasconcello-Castillo L, Torres-Castro R, **Keenan C**, Collins K, Solís-Navarro L, Cano-Cappellacci M, Vilaró J. Exercise after bariatric surgery for obese adults. *Cochrane Database of Systematic Reviews*. Art. No.: CD014894.
- \*Protocol in press: Young S, Bethel A, **Keenan C**, Ghezzi-Kopel K, Moreton E, Pickup D, Premji ZA, Rogers M, Arleth Viinholt BC. Searching and reporting in Campbell Collaboration systematic reviews: An assessment of current methods. *Cochrane Database of Systematic Reviews*. Art. No.: CA000196.
- \*Protocol in press: Maynard B, Maynard JA, **Keenan C**. High School Esports: Describing the Current State of the Literature and Exploring Effects on Student Outcomes. *Cochrane Database of Systematic Reviews*. Art. No.: CA000197.
- \*Protocol in press: Haddaway N, **Keenan C**, Young S, Kohl C. Bibliographic database searching methods across CEE and Campbell Collaboration systematic reviews and maps: a systematic review. *Cochrane Database of Systematic Reviews*. Art. No.: CA000232.
- \*Protocol in press: Liew, A., **Keenan C**. (2021) The clinical outcomes of optimal versus sub-optimal time in blood glucose range among critically ill patients receiving intravenous insulin therapy: A systematic review and meta-analysis. Inplasy
- \*Published protocol: **Keenan, C.**, Connolly, P., & Stevenson, C. (2016). PROTOCOL: universal preschool-and school-based education programmes for reducing ethnic prejudice and promoting respect for diversity among children aged 3-11: A systematic review and meta-analysis. Campbell Systematic Reviews, 12(1), 1-45.

## Masters Students (2020- 21)

1. Master's student at the School of Nursing & Midwifery, NUI Galway.

**Project:** Nurses' knowledge about Palliative Care in long term care facilities for older people: A scoping review.

2. Master's student at the School of Education at Queen's University Belfast.



**Project:** food selectivity in children with Autism Spectrum Disorder (ASD)

3. Master's student at the School of Education at Queen's University Belfast.

**Project:** The application of Applied Behaviour Analysis principles to the treatment of Restricted and Repetitive Behaviours in individuals with Autism Spectrum Disorder (ASD)

### Advisory Role (2020- 21)

4. PhD student at the School of Education and Centre for Public Health at Queen's University Belfast. **Project:** An EGM on physical activity in schools
5. An ESI fellow at Campbell UK & Ireland in Queen's University Belfast. **Project:** Video-based interventions in children with Autism Spectrum Disorders

### Conference Presentations

**April 2021:** Covid-19 and the meta-evidence project. International Collaboration for the Automation of Systematic Reviews. Online.

**Jan 2021:** Evimappr: an R package for producing interactive bubble plots of evidence. Evidence Synthesis & Meta-Analysis in R Conference. Online.

**Nov 2020:** Presentation of homelessness reviews. ESRC Festival of Social Science. Online.

**Oct 2018:** Presentation of PhD research. Global Evidence and Implementation summit. Melbourne.

**Aug 2018:** Presentation of PhD research. World education research association conference. Cape town

**Sep 2017:** Presentation of PhD research. British educational research association conference. Brighton

**Sep 2017:** Poster of PhD Research. The Global evidence summit. Cape town

**Sep 2016:** Presentation of 'Pearl Search Harvesting.' What Works Global Summit. London

**Sep 2016:** Presentation of PhD research. What Works Global Summit. London

**Jun 2016:** Presentation of PhD research. All Ireland Doctoral Conference. Belfast

**Dec 2015:** Presentation of 'Grey literature.' Student Led Seminar Series. Belfast

**Sep 2015:** Presentation of 'What is a systematic review?' PRDP. Belfast