

ALIYA AMIROVA, PhD

Population Health Sciences, School of Life Course and Population Sciences, King's College London
5th Floor, Addison House, Guy's Campus, LONDON SE1 1UL, UK
website: aliyaamirova.com

EDUCATION

2021 **PhD Health Psychology** *City University of London*

Thesis Title: *Factors influencing physical activity among individuals living with heart failure: a mixed-methods study*

EMPLOYMENT

2023-present **Postdoctoral Research Associate in Epidemiology and Biostatistics,**
Department of Population Health Sciences, King's College London

2021-2023 **Postdoctoral Research Associate, Health Psychology Section, Institute of**
Psychiatry & Neuroscience, King's College London

2020-2021 **Research Assistant, Centre for Behavioural Medicine, UCL**

2019-2021 **Research Assistant, Department of Population Health Sciences, King's College**
London

2016-2018 **Honorary Clinical Observer, Imperial College London, Royal Brompton and**
Harefield NHS Trust

AWARDS AND FUNDING

2022 Early career award to attend international retreat for young researchers on intersectionality and health care in Bochum, Germany (£900)

2022 Award to give a talk at the Summer School "Intersectionality as a Tool to Prevent Structural Discrimination", Bochum, Germany (£300)

2014 Early career award to attend International Congress of Behavioural Medicine in Groningen, Netherlands (£1000)

2015 PhD studentship, City University of London (£90,000)

SOFTWARE AND PROGRAMMING LANGUAGES

R high proficiency (meta-analysis, computational modelling, Bayesian statistics, multilevel modelling, survival analysis and more)

SPSS, IBM high proficiency

PUBLICATIONS

1. **Amirova** A, Fteropoulli T, Ahmed N, Cowie MR, Leibo JZ (2024) Framework-based qualitative analysis of free responses of Large Language Models: Algorithmic fidelity. *PLoS ONE* 19(3): e0300024. <https://doi.org/10.1371/journal.pone.0300024>
2. **Amirova** A. & Hackett A.R. (in press, accepted Nov 2023) Perceived discrimination and type 2 diabetes incidence: findings from the Health and Retirement Study. *Health Psychology*.
3. **Amirova**, A., Taylor, L., Volkmer, B., Ahmed, N., Chater, A. M., & Fteropoulli, T. (2023). Informing behaviour change intervention design using systematic review with Bayesian meta-analysis: physical activity in heart failure. *Health Psychology Review*.
4. **Amirova** A. & Hackett. A.R. (2022) Perceived discrimination in middle-aged and older adults in England and the United States. *Frontiers in Public Health*.
5. **Amirova**, A., Lucas, R., Cowie, M.R., Haddad, M. (2022). Perceived barriers and enablers influencing physical activity in heart failure: a qualitative one-to-one interview study. *Plos One*.
6. Bearne, L.M., Volkmer, B., Peacock, J., Sekhon, M., Fisher, G., Holmes, M.N.G., Douiri, A., **Amirova**, A., Farran, D., Quirke-McFarlane, S, Modarai, B., Sackley, C., Weinman, J., Bieles, J., (2022) Effect of a Home-Based, Walking Exercise Behavior Change Intervention vs Usual Care on Walking in Adults With Peripheral Artery Disease, *JAMA*.
7. Taylor, L., Ranaldi, H., **Amirova**, A., Zhang, L., Ahmed A., Dibb B. | Daryl O'Connor (Reviewing editor) (2022) Using virtual representations in mHealth application interventions for health-related behaviour change: A systematic review, *Cogent Psychology*.
8. **Amirova**, A., Fteropoulli, T., Williams, P., & Haddad, M. (2021). Efficacy of interventions to increase physical activity for people with heart failure: a meta-analysis. *Open Heart*.
9. Sekhon, M., Godfrey E., **Amirova** A., Bearne, L. (2021) Applying a theoretical framework to assess the acceptability of therapist training and delivery of the Gait Rehabilitation in Early Rheumatoid Arthritis Trial intervention (GREAT Strides): a qualitative analysis. *International Journal of Behavioural Medicine*.
10. Williams, P., McBain, H., **Amirova**, A., Newman, S., & Mulligan, K. (2021). Men's beliefs about treatment for erectile dysfunction—what influences treatment use? A systematic review. *International Journal of Impotence Research*.
11. Sekhon, M., White, C., Godfrey, E., **Amirova**, A., Revenäs, Å., King, S., Bearne, L. (2021). Effectiveness of web-based and mobile health interventions designed to enhance adherence to physical activity for people with inflammatory arthritis: a systematic review. *Rheumatology Advances in Practice*.
12. Bearne, L. M., Sekhon, M., Grainger, R., La, A., Shamali, M., **Amirova**, A., White, C. M (2020). Smartphone Apps Targeting Physical Activity in People With Rheumatoid Arthritis: Systematic Quality Appraisal and Content Analysis. *JMIR mHealth and uHealth*.
13. **Amirova**, A., Cropley, M., & Theadom, A. (2017). The effectiveness of the Mitchell Method Relaxation Technique for fibromyalgia symptoms: A three-arm randomized controlled trial. *International Journal of Stress Management*.

SELECTED CONFERENCE PRESENTATIONS AND SYMPOSIA

Trends in the stroke incidence and case fatality from 1999 to 2022: The South London Stroke Register **Amirova, A.**, O'Connell, M., Emmett, E., Wafa, H., Pei, R., Wyatt, D., Wang, Y., Douiri, A., Bhalla, A., Wolfe, C., Marshall, I. Stroke Forum UK, 2023.

Framework-Based Qualitative Analysis of Free Responses of Large Language Models: Algorithmic Fidelity. **Amirova, A.**, Fteropoulli, T., Ahmed, N., Cowie, M. R., & Leibo, J. Z. International Conference of Behavioural Medicine, 2023.

Symposium: Utility and applications of Bayesian methods in health psychology: theory building and evidence evaluation. **Amirova A.**, Beard, E. Depaoli S., European Health Psychology Society Conference, 2022.

Informing Behaviour Change Intervention Design Using Bayesian Meta-analysis. **Amirova, A.**, Taylor, L., Volkmer, B., Ahmed, N., Chater, A. M., & Fteropoulli, T. Presentation: International Behaviour Change Conference. Centre for Behaviour Change (UCL), 2021.

INVITED TALKS

2022 International Summer School: preventing structural discrimination and health inequalities in health care: *The Cumulative Effect of Perceived Discrimination on the Risk of Diabetes Type 2 and Depression in Multiple Minority Groups: Women, Gay, Lesbian, Bisexual Individuals (LGBQ), and Ethnic Minorities.*

TEACHING

2023 Lecture: "Motivational Interviewing for Physiotherapy". Dr Emma Godfrey, Dr Aliya Amirova, and Denise Bastas, *King's College London*

2022 Lecture: " Defining, measuring, studying and promoting physical activity." *King's College London, MSc Health Psychology Module: Psychosocial Factors in Health and Illness*

2022 Discussion group leader: Critical appraisal *King's College London, MSc Health Psychology Module: Psychosocial Factors in Health and Illness*

2021 Group tutorial leader: Disease management *King's College London, MSc Health Psychology Module: Psychosocial Factors in Health and Illness*

2021 Marking: Systematic reviews. *King's College London, MSc Health Psychology Module: Psychology and Health Care Delivery*

2013-2015 Graduate Teaching Assistant: Research Methods and Statistics *Medicine MBBS BSc, National Medical University, Almaty, Kazakhstan*

SUPERVISION

2021-2022 *Amelia Bullock, MSc Health Psychology KCL (Awarded Distinction)*

2021-2022 *Yasmin Ainanshe, MSc Health Psychology KCL (Awarded Merit)*

PEER REVIEW

Plos One, Health Psychology Review, BMC Health Services Research, Psychosomatic Medicine, Health Psychology and Behavioural Medicine, Cognitive Behavioural Therapy, Sociological Methods and Research, Intervention Fidelity Ontology: Human Behaviour-Change Project. UCL Centre for Behaviour Change.