Resilience, Mindfulness and Medication Safety with Electronic Systems

Fact Sheet

Project Information

MindSEIS

Grant agreement ID: 740131

Project website

DOI
10.3030/740131

Project closed

EC signature date
9 March 2017

Start date
1 January 2018

End date
31 December 2020

Funded under
EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Total cost
€ 276 107,40

EU contribution
€ 276 107,40

Coordinated by
UNIVERSITY COLLEGE LONDON
United Kingdom

Objective

Medications are one of the most common healthcare interventions and one with great risk of adverse events and serious harm to patients. Medications incidents in hospitals are frequent and a serious concern. Electronic medicine management systems (EMMS) implemented in hospital are known to reduce some safety risks but also introduce new ones. A way to prevent harm to patients from the use of medication is through organising for collective mindfulness (alertness to risks) and through learning from everyday resilience. EMMS introduced in sociotechnical

contexts of hospital care may affect collective mindfulness and resilience, in ways that are context (or nation) specific, as countries differ in structures, processes, and legislation.
This project proposes a collaboration with Australian and European centres of excellence in the field of patient safety, to study mindfulness and resilience in medication safety in relation to EMMS. As part of the research, a mixed-method before-and-after study of EMMS implementation will be conducted in hospitals in Australia, followed by a comparative study across four European countries (UK, France, Italy, Norway). The aims are to develop theory and method for EMMS evaluation, investigate whether and how EMMS can support organisational resilience in the use of medicines, and provide (locally/nationally-adjusted) guidance for implementation.
The fellow brings to the study experience in sociotechnical studies informed by theories that emphasize contextual influences on cognition and decision making, and capture emergent systems' properties/behaviours. The hosts and partners are leaders in patient safety, with expertise in human factors and mixed-methods. The research will create opportunities for professional development and knowledge exchanges and strengthen the network of participant organisations. It will deliver knowledge and instruments for the benefit of patients, clinicians, healthcare organisations and society overall.

Fields of science (EuroSciVoc)

medical and health sciences > basic medicine > pharmacology and pharmacy > **pharmaceutical drugs**

social sciences > psychology > **ergonomics**

Programme(s)

H2020-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions MAIN PROGRAMME

H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

Topic(s)

MSCA-IF-2016 - Individual Fellowships

Call for proposal

H2020-MSCA-IF-2016

See other projects for this call

Funding Scheme

MSCA-IF-GF - Global Fellowships

Coordinator

UNIVERSITY COLLEGE LONDON

Net EU contribution

€ 276 107,40

Total cost

€ 276 107,40

Address

GOWER STREET
WC1E 6BT London
United Kingdom

Region

London > Inner London — West > Camden and City of London

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation Website
Participation in EU R&I programmes
HORIZON collaboration network

Partners (1)

PARTNER

MACQUARIE UNIVERSITY

Australia

Net EU contribution

€ 0,00

Address

BALACLAVA ROAD NORTH RYDE
2109 Sydney

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Total cost

€ 178 380,00

Last update: 18 August 2022

Permalink: https://cordis.europa.eu/project/id/740131

European Union, 2025