**School of Computing**

 University of Leeds

Leeds LS2 9JT

T +44 (0) 113 343 5430

F +44 (0) 113 343 5468

E office@comp.leeds.ac.uk

W http://www.engineering.leeds.ac.uk/computing/

Dear Rupa Sarkar,

Following correspondence in October 2020, I am writing to submit our manuscript entitled “*Patient Safety Informatics: Meeting the challenges of emerging digital health*” for consideration as a Lancet Digital Health Viewpoint paper. I would be grateful if you would consider this submission for publication.

In our paper, we describe the output from a workshop that focused on identifying the patient-safety challenges associated with emerging digital health technologies. The workshop was the first in a series of collaborations led by the digital-health themes within the Manchester and Yorkshire NIHR Patient Safety Translational Research Centres. The paper presents a definition of Patient Safety Informatics, discusses the challenges identified in the workshop, and presents recommendations to address the patient-safety concerns posed by them.

We are motivated by the acknowledgement that the fourth industrial revolution is based on cyber-physical systems and the connectivity of devices. It is currently unclear what the consequences are for patient safety as existing digital health technologies become ubiquitous with increasing pace and interact in unforeseen ways.

We convened a workshop of representatives from a diverse range of expertise in the development and evaluation of digital health technologies. These included clinicians, commercial developers of digital health technologies, software engineers, and researchers in applied health, health services, safety science, human factors, health informatics, and clinical decision making.

Our intention was to begin the process of developing the theoretical and practical foundations of Patient Safety Informatics, which lies at the intersection of digital health, safety science and clinical care. We hope our paper will be of interest to the multidisciplinary readership of The Lancet Digital Health

If you require any additional information regarding our manuscript, please do not hesitate to contact us directly via the contact details, below. Thank you for your time and consideration.

Sincerely,

Ciarán McInerney, PhD.

Jonathan Benn, Dawn Dowding, Ibrahim, Habli, David A. Jenkins, Carolyn McCrorie, Niels Peek, Rebecca Randell, Richard Williams and Owen A. Johnson

<Date>

School of Computing

Phone: 079 030 636 92

[c.mcinerney@leeds.ac.uk](mailto:c.mcinerney@leeds.ac.uk)