

**What could a mathematician possibly know about health systems?**

**Insights for health managers based on modelling patient flow and infrastructure modelling, analysing medical statistics and operations research in the United Kingdom.**



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inspiring achievement

## Seminar and Networking Event

*Please note – this is not a lecture on mathematics! The intended audience is health care managers, those interested in modelling and reform, and practitioners.*

- When: Monday, 16<sup>th</sup> May 2016
- Time: 5:00 pm for 5.30 start (finishing at 6.30) – a chance to network before the talk
- Where: Flinders City Campus  
Room 2.2, Level 2  
182 Flinders Street, Adelaide
- Register: Please email your name and organisation name to Ms Danni Gray [danni.gray@flinders.edu.au](mailto:danni.gray@flinders.edu.au)
- Information: Contact Dr Mark Mackay ([mark.mackay@flinders.edu.au](mailto:mark.mackay@flinders.edu.au) or ph 040 506 3259)
- Cost: Nil



Adele Marshall is a Professor of Mathematics in the School of Mathematics and Physics at Queens University (Belfast), where she's involved in healthcare research, medical statistics and operational research, including flow modelling.

Her original research focused on healthcare of the elderly and she has worked with Emeritus Professor Peter Millard (former president of the British Geriatrics Society and a geriatrician). The UK Health Reform in 2010 and growing needs for all countries to plan and manage elderly healthcare and its associated costs makes the research extremely topical and relevant to have impact on society.

Other research has included using simulation to assess cardiac first-responder schemes, using modelling to capture quality of care in geriatric wards and the prediction of retinopathy of prematurity.

She is a founding member of the former Nosokinetics Collaboration and also the Cumberland Initiative (<http://cumberland-intiative.org>). The Cumberland Initiative is a movement to encourage systems thinking, simulation and modelling of healthcare scenarios to improve NHS quality of care delivery and save money.

This session is being presented as one of the activities of the Premier's International Research Fund Grant – *The Promulgation of Operational Research, Systems Thinking and Design Thinking within the Australian Health Care Sector*. The UK Cumberland Initiative is the major international research partner for this grant.