

moic

Medicines Optimisation Innovation Centre

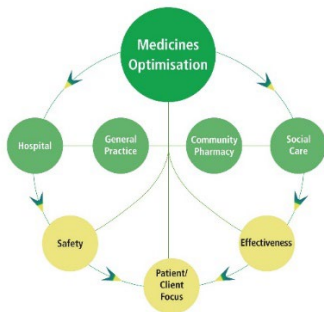


Smarter Medicines Better Outcomes

Policy: Medicines Optimisation Quality Framework



Northern Ireland Medicines Optimisation Quality Framework



March 2016

- Developed to improve patient outcomes from medicines and ensure effective use of healthcare resources.
- Person centred
- MOIC was established as part of this policy:
 - Research
 - Quality Improvement
 - Knowledge transfer
 - Innovation

<https://www.health-ni.gov.uk/publications/northern-ireland-medicines-optimisation-quality-framework>

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MOIC Work Themes



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- › Focus needs of NI population
- › Accelerate adoption of innovation into practice to improve patient outcomes and experiences
- › Build culture of partnership and collaboration
- › Make meaningful contribution to NI economy

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Who we are



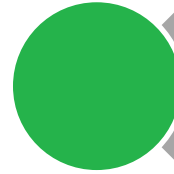
Prof Mike Scott
Director



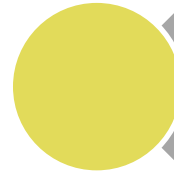
Dr Glenda Fleming
Deputy Director



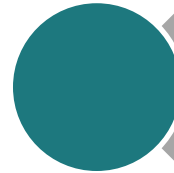
Anita Hogg
Lead



Team of experts, including 7
Programme Managers trained
to doctoral level



Clinical expertise throughout
Northern Ireland



Communications and
administrative support

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What we do

We develop solutions to
improve medicines
optimisation for Northern
Ireland



We take an idea and turn it into reality

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We engage and collaborate



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How we have made a difference...



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1. Focus on needs of NI population

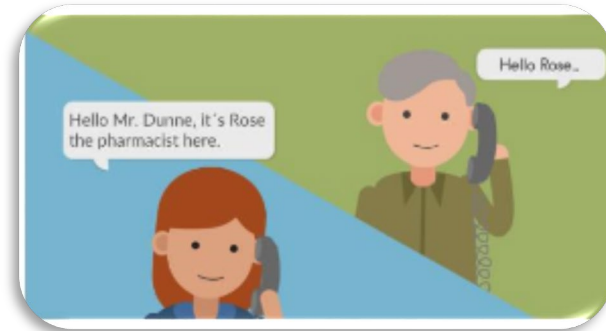
High Level patient satisfaction

15.2% reduction in 90 day readmission rates

Positive health economic benefit, with return in investment at £51 per £1 spent at 50 days

9.9% reduction in 30 day readmission rates

Post Discharge follow up



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Medicines Optimisation in Older People (MOOP)

Consultant Care of the
Elderly Pharmacist Network



15 specialist elderly care
pharmacists

Nursing Homes

Improved MAI

2.7 interventions made per
patient

Reduced ED attendances

ROI £2.39-3

Intermediate Care

Improved MAI

1122 interventions in 453 patients

42.9% patients phoned post discharge
required one or more interventions

ROI £2.35-4

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Other HSC examples.....

Cardiovascular
pharmacy
services

Evaluation of use of
CRP testing in
Primary care

Regional new
models of
prescribing

Role of Consultant
Respiratory
Pharmacist

Treatment of
uncomplicated UTI in
community
pharmacy

2. Accelerate adoption of innovation into practice



Tagging and Tracking

Tagging and tracking system in a hospital Trust

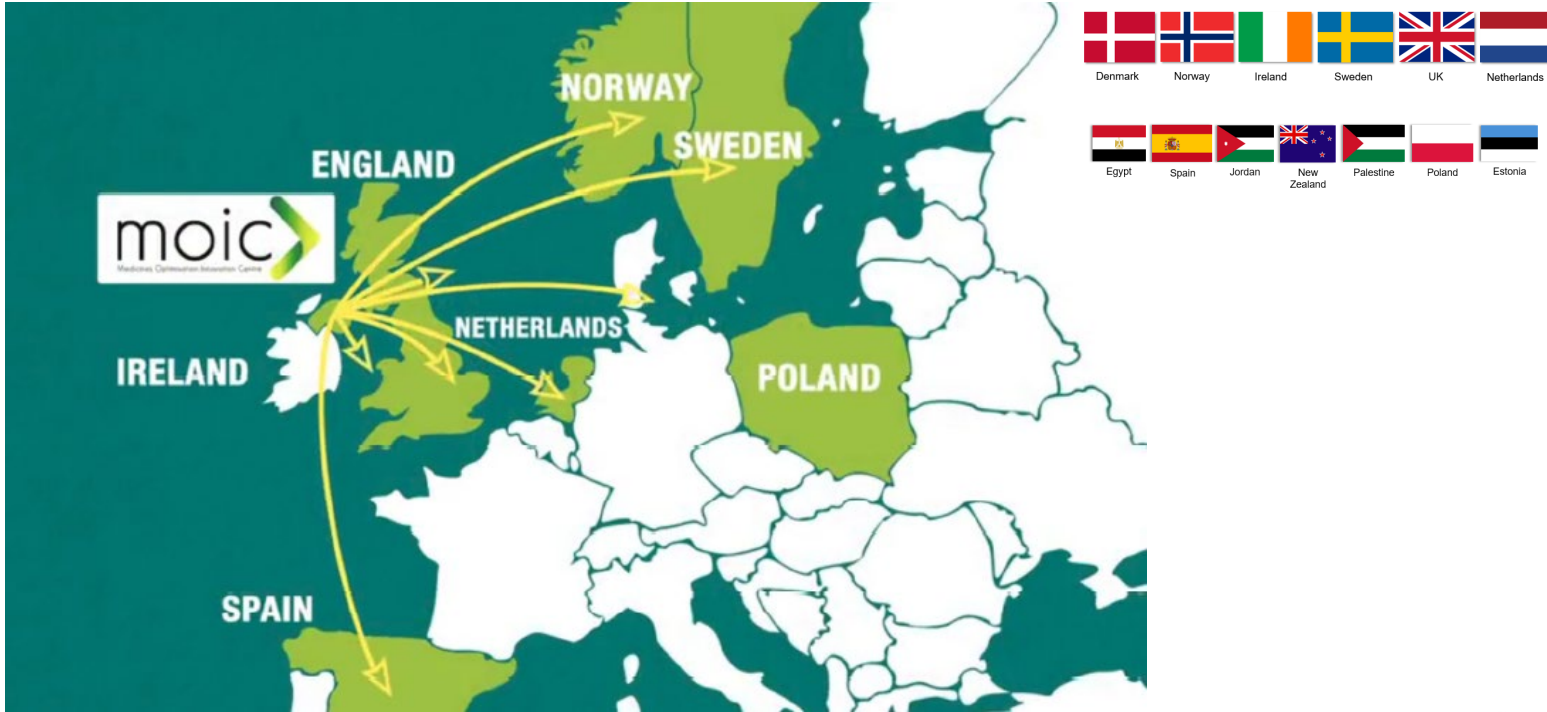


rDOT technology in respiratory disease

Working with a University spin out company to improve medicines adherence in respiratory diseases (e.g. asthma)

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3. Build a culture of partnership & collaboration



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European recognition



Polish Society of Clinical
Pharmacy



Estonian Society of Hospital
Pharmacists (ESHP)



SOCIEDAD ESPAÑOLA
DE
FARMACIA HOSPITALARIA

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Other collaborations....



Association of British Pharmaceutical Industries (ABPI)



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European Connected Health Alliance



The Global Connector in Healthcare
We bring people, organisations, needs and solutions
together

**Medicines Optimization thematic
ecosystem group**

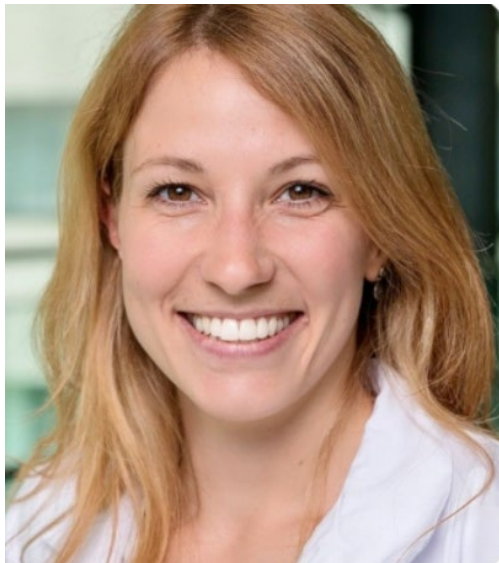


www.echalliance.com / info@echalliance.com

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PhDs



Austria

- AMS group - impact
- Clinical pharmacy
- Ulster University

Estonia

- Medicine use reviews
- Primary care
- Eastern Europe & Iran

Norway

- MO at transitions in care

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Tanzania

- Project proposal to implement and evaluate pharmacist medicine reviews in OP setting
- Bugando Teaching hospital
- Interest from Tanzania Pharmaceutical Council/Society
- Antimicrobial stewardship opportunities
- Commonwealth Pharmacists' Association
- Northumbria Trust Bright Charity

European Funding Success....



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SHAPES Diversity & Empowerment Workshop

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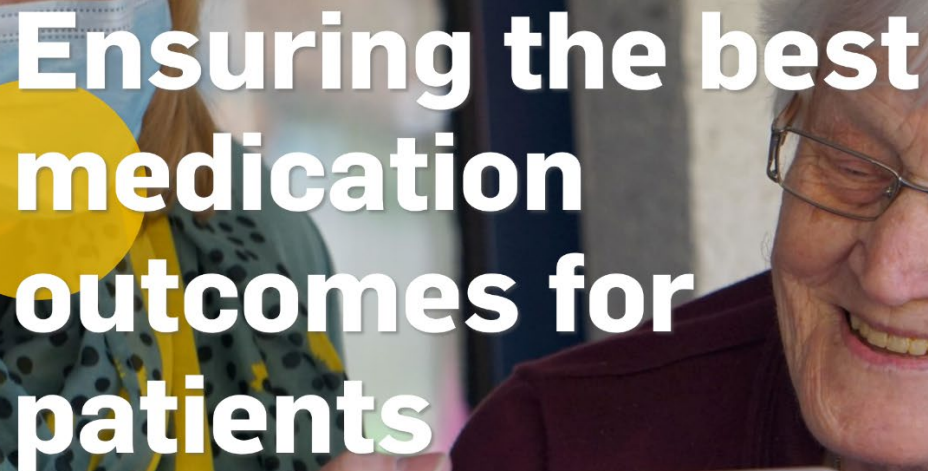
Welcome to SHAPES Project | #H2020



Smart & Healthy Ageing through
People Engaging in Supportive Systems



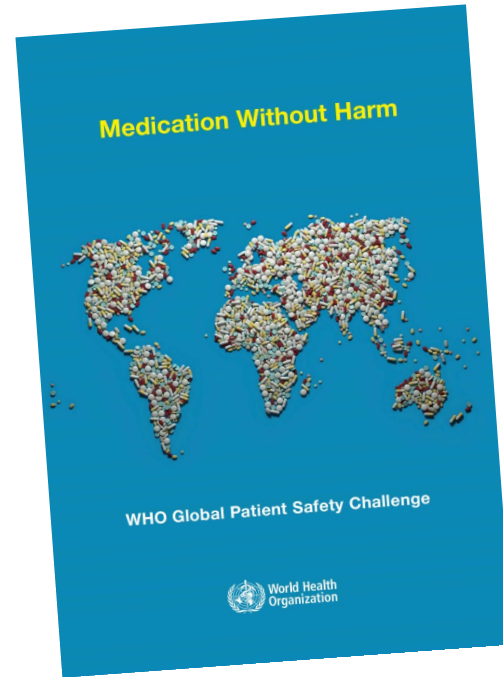
The Smart & Healthy Ageing through People Engaging in Supportive Systems (SHAPES) Innovation Action intends to build, pilot and deploy a large-scale, EU-standardised open platform. The integration of a broad range of technological, organisational, clinical, educational and societal solutions seeks to facilitate long-term healthy and active ageing and the maintenance of a high-quality standard of life. Mediated by technology, in-home and local community environments interact with health and care (H&C) networks contributing to the reduction of H&C costs, hospitalisations and institutional care.



Ensuring the best medication outcomes for patients

iSIMPATHy, (implementing Stimulating Innovation in the Management of Polypharmacy and Adherence Through the Years), a three year EU funded project in Northern Ireland, Scotland and the Republic of Ireland. The project aims to ensure the best and most sustainable use of medicines for patients by training pharmacists and other medical professionals to deliver medicine reviews and embedding a shared approach to managing multiple medicines.

Contribute to National & International priorities



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4. Meaningful contribution to the NI economy

- Three joint working projects with Pharma and Trusts: cardiology, virtual clinics and risk stratification re HF
- Diagnostic project in cancer pathway ready to proceed
- Working with Data Value Hub, Armagh Banbridge Craigavon Council
- New prototype non-touch thermometer being tested in the innovation lab at Antrim

Going forward – Opportunities.....

**Funding bids
and further
connections**

**Multiple long
terms conditions
-ageing**

**Patient
centred care –
data analytics,
genomics**

**New technology
-living labs**

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