Training and developing the workforce in technology enabled care and wellbeing

Technology Enabled Care and Wellbeing @ Home
1st March 2017
Carlisle

Outline

A bit about the University of Cumbria
Education and development for health and social care professionals
Our research: generating and applying new knowledge
The Postgraduate Certificate in Digital Health and Social Care

University of
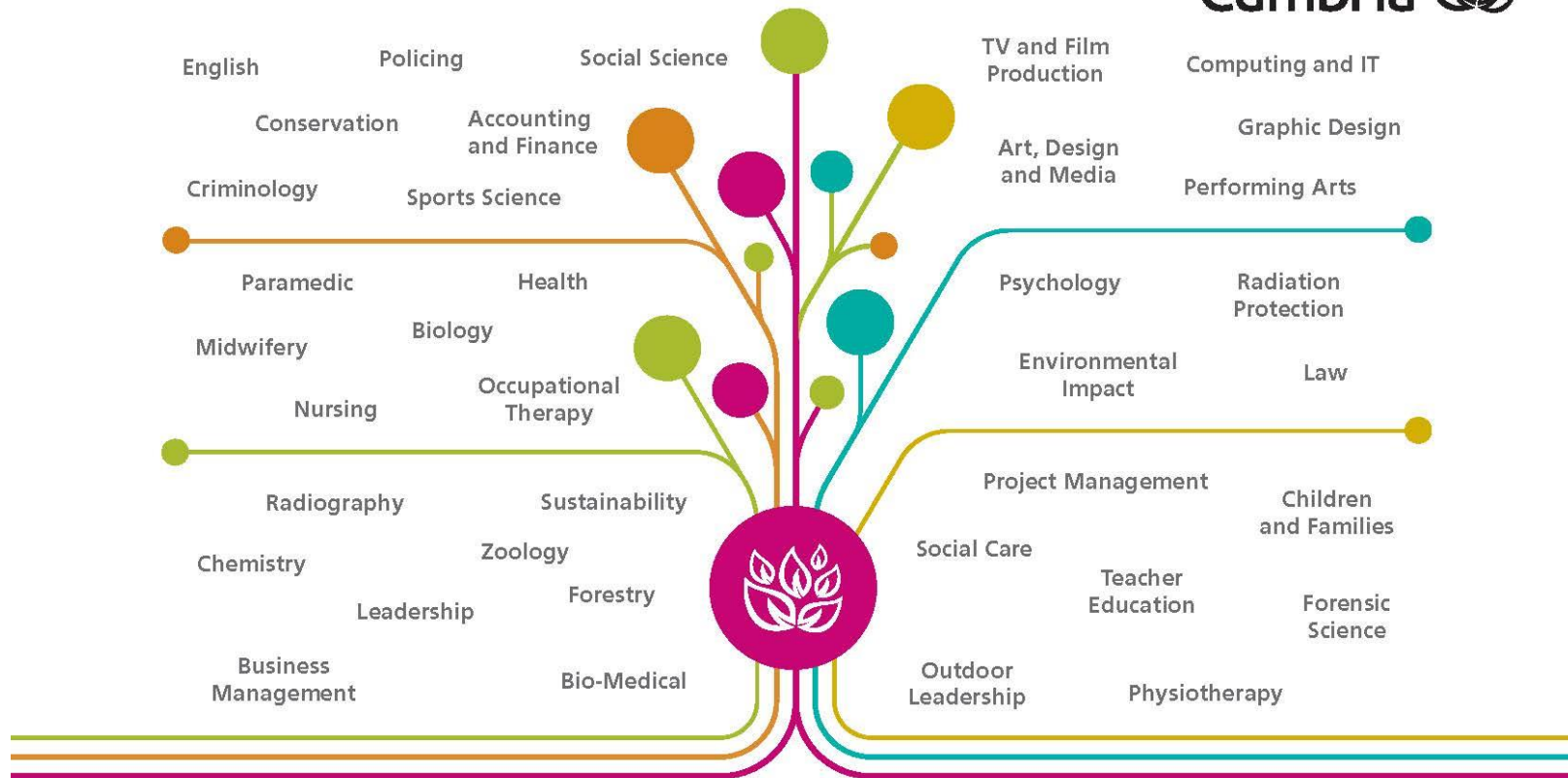Cumbria

About the University

A new University – formed in 2007. Amalgamated from a number of colleges and institutes with a longer history

The only UK university with a campus in a national park (Ambleside). Other campuses in Carlisle, Lancaster, Workington and London

For and of Cumbria, focused on business and the professions, supporting real world research and applications, delivering education and skills development in partnership with employers

University of Cumbria

DID YOU KNOW WE COVER?

University of Cumbria

English
Policing
Social Science
TV and Film Production
Computing and IT

Conservation
Accounting and Finance
Art, Design and Media
Graphic Design

Criminology
Sports Science
Performing Arts

Paramedic
Health
Psychology
Radiation Protection

Midwifery
Biology

Nursing
Occupational Therapy
Environmental Impact
Law

Radiography
Sustainability
Project Management
Children and Families

Chemistry
Zoology
Social Care

Leadership
Forestry
Teacher Education
Forensic Science

Business Management
Bio-Medical
Outdoor Leadership
Physiotherapy

For a no obligation, initial conversation with a **business development professional** contact

✉ **enterprise.services@cumbria.ac.uk**

📞 **01228 888740** or contact one of our Development Managers for an informal chat

🐦 twitter.com/uocenterprise

f facebook.com/universityofcumbria

in linkedin.com/company/university-of-cumbria

www.cumbria.ac.uk | University of Cumbria

Facts and figures

Over 10,000 students, approximately 1000 staff

7 departments:

- Business, Law, Policing and Social Science
- Education
- Health, Psychology and Social Studies

- Institute of the Arts
- Medical and Sport Sciences
- Nursing, Health and Professional Practice
- Science, Natural Resources and Outdoor Studies

4 research and innovation centres

- Cumbrian Centre for Health Technologies (CaCHeT)
- Centre for National Parks and Protected Areas (CNPPA)

- Centre for Regional Economic Development (CRED)
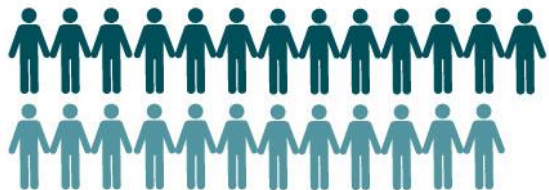- Institute for Sustainability and Leadership (IFLAS)
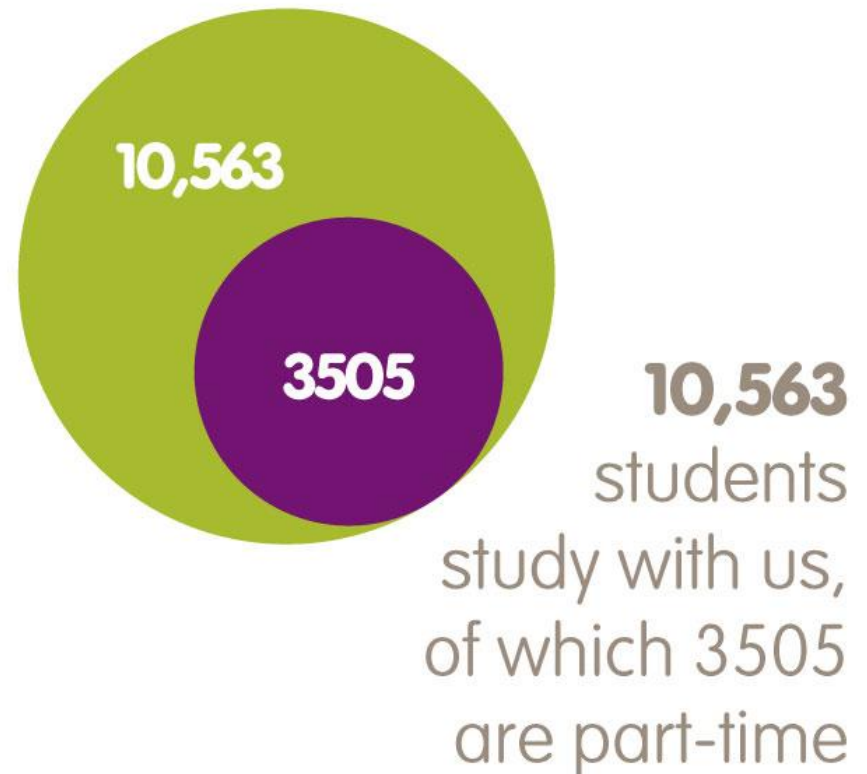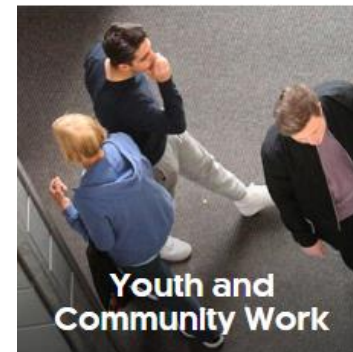
University of Cumbria

AGE PROFILE
—undergraduate

52%
of our undergraduate STUDENTS are over 21 years of age

STUDENT NUMBERS

10,563

3505

10,563 students study with us, of which 3505 are part-time

University of Cumbria

Health, Psychology and Social Studies

Physiotherapy

Occupational Therapy

Applied Psychology

Social Work

Cognitive Behavioural Therapy (CBT)

Working with Children and Families

Youth and Community Work

University of **Cumbria**
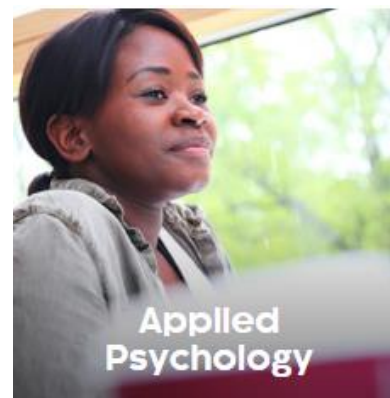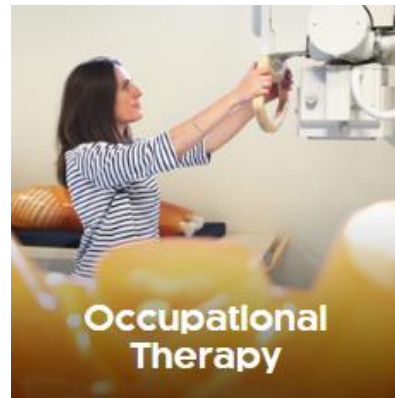
Courses for health and social care professionals

63 staff, 1100 students : Undergraduate courses across all the above disciplines

Postgraduate courses and Continuing Professional Development (CPD): MSc Occupational Therapy, MSc Physiotherapy, MA Social Work (all pre-registration). Masters in Mental Health Practice. Cognitive Behavioural Therapy and a range of Psychology Masters level options. Use of Digital Health and Social Care.

Practice Development Framework – we can link to this to provide flexibility for students and employers.

Placements and engagement – we work with Trusts and organisations throughout the North West and wider afield.

http://www.cumbria.ac.uk/study/academic-departments/health-psychology-and-social-studies/

University of Cumbria

# Our research: generating and applying new knowledge

Research and scholarship activity underpins our core purpose: to advance educational knowledge and practice, through engagement with employers and professionals

Research themes include:

- Interpersonal violence
- Interprofessional practice
- Service delivery for NHS and care organisations and users
- New models of learning
- Learning disabilities

- Rehabilitation
- Health improvement and public health
- Mental health
- Sport and physical activity
- Health technology initiatives

University of Cumbria

My Day: Values and Consequences App

Just going onto the app stores now!
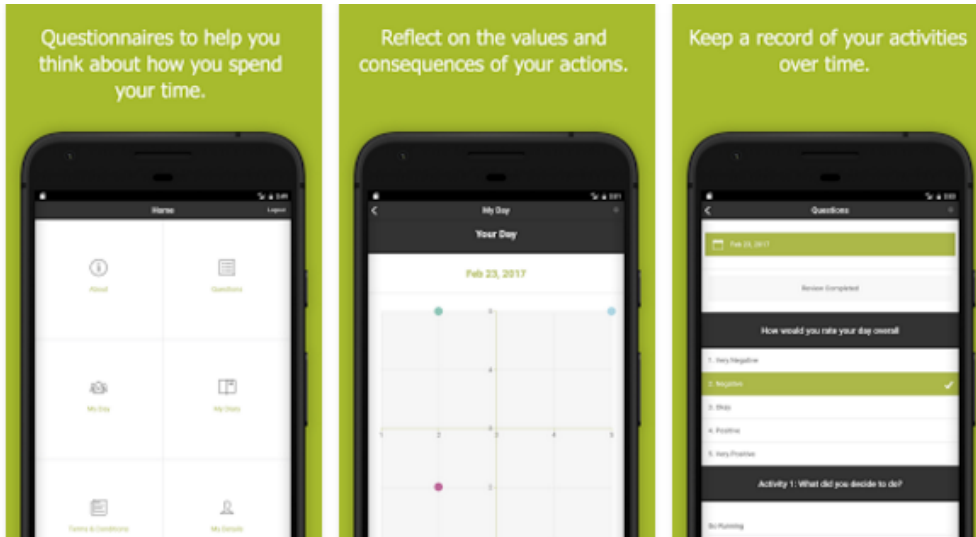
My Day:Values and Consequences

Red Ninja Ltd   Education

PEGI 3

This app is compatible with some of your devices.

The aim of this app is to help raise awareness of the relationship between the values and consequences of what we do. It is designed as a questionnaire to help you think about how you spend your time and how you feel about it. You can look at the results of your answers for a particular day, or for a longer time period. There is also a reflection area where you can keep notes about why you gave the answers you did.

University of Cumbria

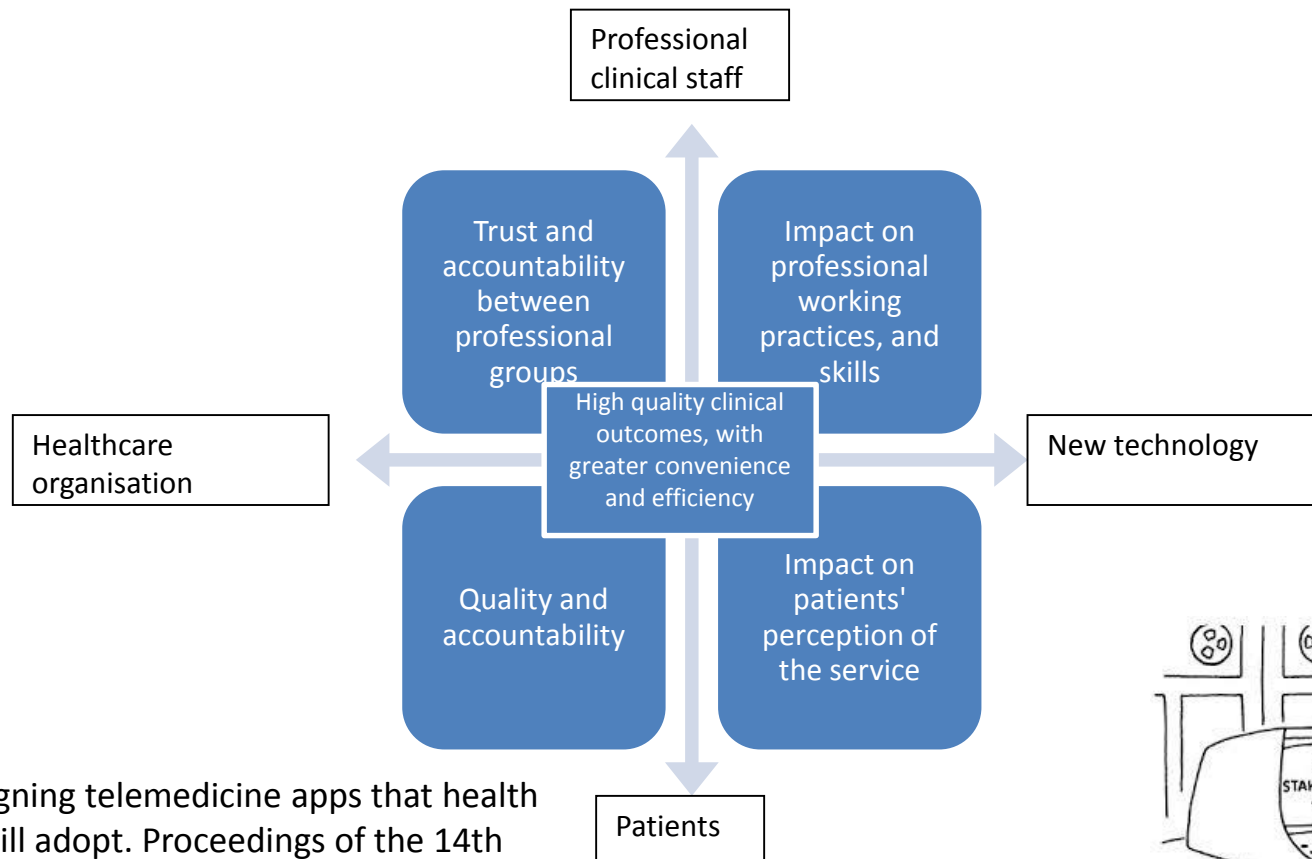# The Cumbrian Centre for Health Technologies (CaCHeT)

Applied research and consultancy in technology adoption, innovation and stakeholder engagement

Interested in the barriers to and enablers of mainstream adoption of technology enabled care (digital health, telehealth/telemedicine/telecare, e-health)

www.cumbria.ac.uk/cachet

University of Cumbria

The Stakeholder Empowered Adoption Model (StEAM)

Professional clinical staff

Trust and accountability between professional groups

Impact on professional working practices, and skills

Healthcare organisation

High quality clinical outcomes, with greater convenience and efficiency

New technology

Quality and accountability

Impact on patients' perception of the service

Patients

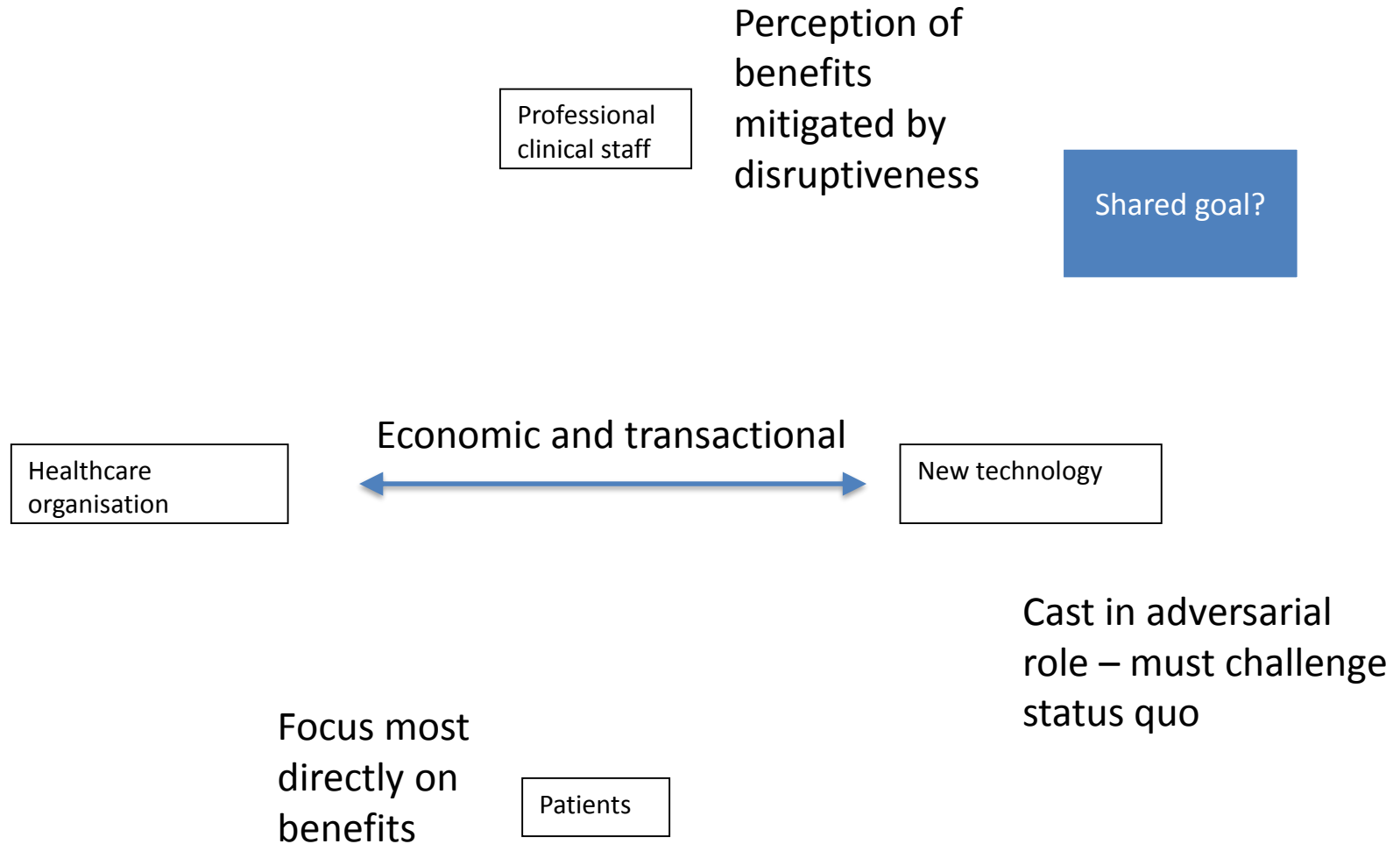I'M A STAKEHOLDER TOO!

STEIN

A. Marshall. Designing telemedicine apps that health commissioners will adopt. Proceedings of the 14th Conference of Open Innovations Association FRUCT, Finland November 2013, p 63 – 68. Published by IEEE

University of Cumbria

Interactions and conflicts

Perception of benefits mitigated by disruptiveness

Professional clinical staff

Shared goal?

Economic and transactional

Healthcare organisation

New technology

Cast in adversarial role – must challenge status quo

Focus most directly on benefits

Patients

StEAM technology adoption case studies

- Remote video-linked swallowing assessments for nursing home residents
- E. Bidmead, T. Reid, A. Marshall, V. Southern. *'Teleswallowing': a case study of remote swallowing assessment.* Clinical Governance: an International Journal, 2015. 20:3. Open access online at http://www.emeraldinsight.com/doi/abs/10.1108/CGIJ-06-2015-0020

- Renal telemedicine: video-link specialist nurses to self-managing home dialysis patients

- Patient health records and portal system for managing self care in stable gastroenterology patients
- E. Bidmead, A. Marshall. *'A case study of stakeholder perceptions of patient held records: the Patients Know Best (PKB) solution'.* Digital Health 2, pp1-15. http://insight.cumbria.ac.uk/2417/

- Video-enabled shared ultrasound consultations between a district general hospital and a tertiary specialist service

University of Cumbria

Implications for teaching health professionals and managers

Health and social care professionals now need skills in:
- Continually improving their own practice
- Supporting empowered and better informed patients
- Innovation, service improvement and service transformation
- Using digital technology
- Project management
- Influencing and managing stakeholders
- Measuring and monitoring

Managers and directors need to understand
- How to sponsor innovation and support innovators
- Change management
- Using (partial) evidence to make decisions
- Working in partnership to realise benefits in a complex health economy

University of
Cumbria

Postgraduate Certificate in Digital Health and Social Care

Two modules, leading to a PgC, over 12 months part time.

Through Practice Development Framework, can contribute to an MSc.

CPD, blended learning, aimed at practitioners, managers, commissioners.

First cohort, 26 students, started April 2016. Second cohort **RECRUITING NOW!**

Module 1: Use of Technology in Health and Social Care

- Demystification and overview of what technologies are available
- How they can be used in clinical/social care practice
- How to evaluate the benefits and influence change
- Practical support to plan a new service or project.

Module 2: Work-Based Project

- Support to implement, evaluate and disseminate a digital project within own practice.

University of Cumbria

Student projects in digital health and social care

Housing Association in Wirral: Deployment of MindMe: Running a pilot and evaluating the impact on staff, clients and the bottom line

NHS Trust in Cumbria: Use of fitbits and other wearables for service users in long term residential care

Adult Social Care services in Merseyside: Developing and deploying a falls prevention app

www.cumbria.ac.uk/digitalhealth

@uocdigihealth

THANK YOU FOR LISTENING.

ANY QUESTIONS?

alison.marshall@cumbria.ac.uk

University of
Cumbria