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Models of Child Health Appraised

(A Study of Primary Healthcare in 30 European countries)

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Welcome



Although Spring is on its way, it seems only a few short weeks ago that we were celebrating the end of 2017. This year, MOCHA has been extremely busy as we begin our final few months of the project. Our focus is on organising and analysing our results, not least the vast amount of data we have received from our MOCHA country agents. We are also working on identifying health outcome measures to compare with our project results, and wrestling with the inevitable data challenges that anyone working on children's public health will be familiar with. We are already busy developing our conclusions and disseminating our results as well as forming productive relationships with other EU projects and the World Health Organisation, so that we can spread the knowledge we have learnt in MOCHA to benefit primary care for children, and ultimately improve children's health.

MOCHA Country Agents

At the end of April, our MOCHA country agents will have finished their task in the MOCHA project. The skilled individuals and teams in each of the 30 EU and EEA countries have provided a wealth of valuable, and often unique data, either by answering the questions themselves or by identifying and discussing a question with individuals who have specialist knowledge about the topic under review.

Our country agents have taken part in 15 rounds of questions, sent out every few weeks throughout the life of the project. Each set of questions has been devised by the relevant work package, and peer reviewed by the MOCHA management team and members of the MOCHA External Advisory Board before it is sent to the country agents.

A question round consists of two to four sets of questions on diverse subjects within the MOCHA lines of inquiry. Depending on the subject matter, a set of questions can contain as few as three or four specific inquiries, or over 20 separate questions – sometimes on very specialist topics. We



MOCHA Partners

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Technology and Medicine,
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Groningen, Netherlands

Consiglio Nazionale Delle
Ricerche, Italy

University of Surrey, UK

Karolinska Institutet, Sweden

TNO The Netherlands Organisation
for Applied Scientific Research

King's College London, UK

Universiteit Maastricht,
Netherlands

Uniwersytet Medyczny w Lublinie,
Poland

UiT The Arctic University of
Norway, Norway

Haskoli Islands, Iceland

European University of Cyprus,
Cyprus

Universiteit Twente, Netherlands

Syddansk Universitet, Denmark

University of Keele, UK

Boston Children's Hospital, United
States

Hospices Cantonaux, Switzerland

Murdoch Children's Research
Institute, Australia

estimate that over the course of the project around 900 questions have been asked, and answered by the individual countries in the project. In addition to this, the country agents have also reviewed and validated the subsequent MOCHA papers and reports from the work packages.

Without the hard work and dedication of the country agents, the MOCHA project would not be as rich in new knowledge as it is, and we would like to thank all of those who have taken part.

The list of our energetic Country Agents can be found here:
<http://www.childhealthservicemodels.eu/partnerlisting/country-agents/>

International Consortium for Health Outcomes Measurement

MOCHA welcomes the news from the International Consortium for Health Outcomes Measurement (ICHOM) www.ichom.org, which has announced that they are expanding their population-based Standard Set of outcomes to include a new project in overall paediatric health. This initiative underpins MOCHA's findings about the lack of common measurement data in child health. Professor Mitch Blair and Professor Michael Rigby are part of the ICHOM task group on Child Health Outcome Measures now being set up to seek a solution to this perennial problem.

Collaboration with Trillium



MOCHA is pleased to have signed a memorandum of understanding with the The Trillium II project (<http://www.trilliumbridge.eu/KobYU/KhQNK>) led by the HL7 Foundation. Both ventures are Horizon 2020 projects funded by the European Commission. This will enable the two projects to share working material where it relates to their common research interests covering e-health support to children's primary care. MOCHA focuses on models of

provision of care, while Trillium focusses on evidence-based optimal data standards. Trusted collaboration should enable production of stronger results within the same resources and timescales.

One of the first joint activities between Trillium II and MOCHA is a joint workshop together with the ECDC and others to highlight the need to define Emergency Care summaries for children. This will take place at the MIE 2008 conference in Gothenburg, as a planned precursor to ongoing work to extend beyond MOCHA.

8th Annual Nursing Research Conference

Our WP2 team in Dublin had a large presence at the **8th Annual Nursing Research Conference** in Temple Street Children's University Hospital in Dublin on the 20th March 2018. The theme of the conference was *Transforming Children's Nursing Practice through Innovative Research and Quality Improvement*, and so was very pertinent to the groundbreaking work carried out by the MOCHA team at Trinity College Dublin, who are examining the interface between primary and other

MOCHA Work Packages

- 1: Identification of Models of Children's Primary Health Care. Lead: Prof Mitch Blair
- 2: Safe and efficient interfaces of models of primary health care with secondary, social and complex care. Lead Prof Maria Brenner
- 3: Effective models of school health services and adolescent health services. Lead Prof Daniëlle Jansen
- 4: Identification and application of innovative measures of quality and outcome of models. Lead: Dr Nadia Minicuci
- 5: Identification and use of derivatives of large data sets and systems to measure quality. Lead: Prof Simon de Lusignan
- 6: Economic and skill set evaluation and analysis of models. Lead: Prof Heather Gage
- 7: Ensuring equity for all children in all models. Lead: Prof Anders Hjern
- 8: Use of electronic records to enable safe and efficient models. Lead: Prof Michael Rigby
- 9: Validated optimal models of children's prevention-orientated primary health care. Lead Dr Paul Kocken
- 10: Dissemination. Lead Prof Michael Rigby
- 11: Project Management. Lead: Prof Mitch Blair

forms of health care for children with complex care needs. At the conference, Associate Professor Maria Brenner presented **A vision of care for children with complex needs: a European perspective**. In addition, the WP2 team gave an oral presentation: R McHugh, P Keilthy, A Warters, M O'Shea, E Montanano, M Brenner – **Social care needs of children with acquired brain injury and their family: an integrative review**; and a poster presentation: M O'Shea, P Larkin, J Berry, E Montanano Olaso, R McHugh, M Brenner – **Exploration of the mechanisms supporting preventative screening, developmental assessments and referral of children with intractable epilepsy across Europe: A MOCHA study**.

European Federation of Nurse Educators Conference

Professor Anne Clancy (Uit, The Arctic University of Norway) gave an oral and poster presentation at **The European Federation of Nurse Educators conference (FINE)** 21st to 23rd of February 2018 in Malta. The oral presentation, described nurses' preparedness to deliver care to children with complex health care needs (CHCNs) in Europe. Prof Clancy discussed the differences in the nursing qualifications that are required by European countries for nurses to care for CHCNs in the community; gave an overview of the content analysis of the nursing curricula documents for content on child care, paediatrics, and the care of children with CHCNs; described the European standards in general nursing programmes for delivering care to these children; and identified possible breaches of optimal nursing education for delivering care to children with complex needs. In short, Prof Clancy demonstrated that in 17 of the EU/EEA countries, no specialised training was needed by nurses to care for CHCNs in the community; and there is considerable variation across Europe in terms of curricula focus on nursing children. MOCHA has identified a real need to promote specialist paediatric training for nurses to enhance the skills and competence of the nurses who care for children living with complex conditions. This work will be available as a paper by Prof Anne Clancy, Dr Elena Montaña Olaso, Prof Phil Larkin and Prof Maria Brenner.

A Poster entitled **Nurses' preparedness to deliver care to children with complex care needs: An integrative review** by Dr Elena Montaña Olaso, Prof Anne Clancy and Prof Phil Larkin was also presented at the FINE conference. This gave valuable information on how to enhance the nursing care of children and their families by giving insight into areas where nursing knowledge and training needs can be improved, so that nurses can meet the needs of these children.



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Forthcoming conferences

MOCHA is looking forward to having a strong presence at the forthcoming **Medical Informatics Europe (MIE)** conference in Gothenburg, 24-26th April 2018. The conference theme is: Building Continents of Knowledge in Oceans of Data: the Future of Co-Created eHealth. MOCHA will present two posters and three papers at the event.

The posters will be presented by Professor Michael Rigby, leader of WP8 Electronic Health Records and Deputy Leader of the MOCHA project. They are: **Variation of National Policies on Controlled Sharing with Partner Services of Children's Primary Care Data**; and **Children's EHRs in Europe – Need for Development of International Standards on Data Sets and Functionality**. Papers accepted were from Shalmali Deshpande: **The presence of eHealth support for childhood obesity guidance**; Harshana Liyanage: **Profiling databases to facilitate comparison of child health systems across Europe using standardised quality markers** and Prof Michael Rigby, Dr Grit Kuhne, Rama Greenfield, Prof Azeem Majeed and Prof Mitch Blair: **Extent of Use of Electronic Records in Children's Primary Care and Public Health in Europe**.

Dr Danielle Jansen will give a short presentation and a poster at the **ICIC18 – 18th International Conference on Integrated Care, Utrecht** on the 23-25 May 2018. The poster: **Integrated school health services in Europe: an overview**, explores the work MOCHA has completed on school health services and the interface with primary care for school-aged children in the EU and EEA.

Prof Mitch Blair will lead a workshop: **A critical analysis of variations in provision of primary health care for children and young people in Europe** at the **23rd WONCA Europe Conference** in Krakow, Poland. The workshop will present four linked interactive sessions, covering the development of the child-centric appraisal model in MOCHA, findings of our reviews into primary care paediatrics and family practice models in relation to prevention, age at diagnosis and effective care of chronic and complex disease in children and young people; a thematic analysis of interface issues for children with complex physical or mental health needs; and the policies and use of electronic health records, and the potential of infrastructure affecting delivery of primary care to this population.

In addition, Dr Kinga Zdunek will give an oral presentation on her work on child-centricity and policy-making in MOCHA entitled: **Societal reactiveness to the child health policy issues in Europe**.

Deliverables



The first half of 2018 will see a number of final topic deliverables be finalised in order for us to begin the final MOCHA report, which will outline our findings, discuss our results and appraise the models of primary care for children in Europe. In January, Work Package 9, who are tasked with the appraisal of the models, produced their first deliverable **An E-Book showcasing conditions for implementation of examples of best practices in primary child health care in European countries**. This is available on the MOCHA project website (<http://www.childhealthservicemodels.eu/publications/deliverables/>). The E-book draws upon preliminary results of all the MOCHA work packages, and investigated the potential and challenges for implementing early indications of what are optimal features of a primary care system – in terms of improving health for children.

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Project meetings

Work Package 9 hosted a project meeting in Leiden, The Netherlands on February 29th, where members of the measurement teams discussed outcome measures for the project, and how to use quantitative data in our findings. It was a very successful meeting, despite some of our team being stranded in the Netherlands by the heavy snow that fell across parts of Europe that day.



Project news

The team at the University Medical Center Groningen has welcomed a new PhD student, Simon van der Pol will be focusing on the economic aspects of school health services, and working on MOCHA as part of his PhD research.

MOCHA family news

Congratulations to Dr Barbara Corso, who had a son Ettore in December 2017. In addition, our best wishes and congratulations to our colleagues Dr Elena Montañana-Olaso, Dr Kinga Zdunek and Dr Tamara Schloemer who are all expecting MOCHA babies.

