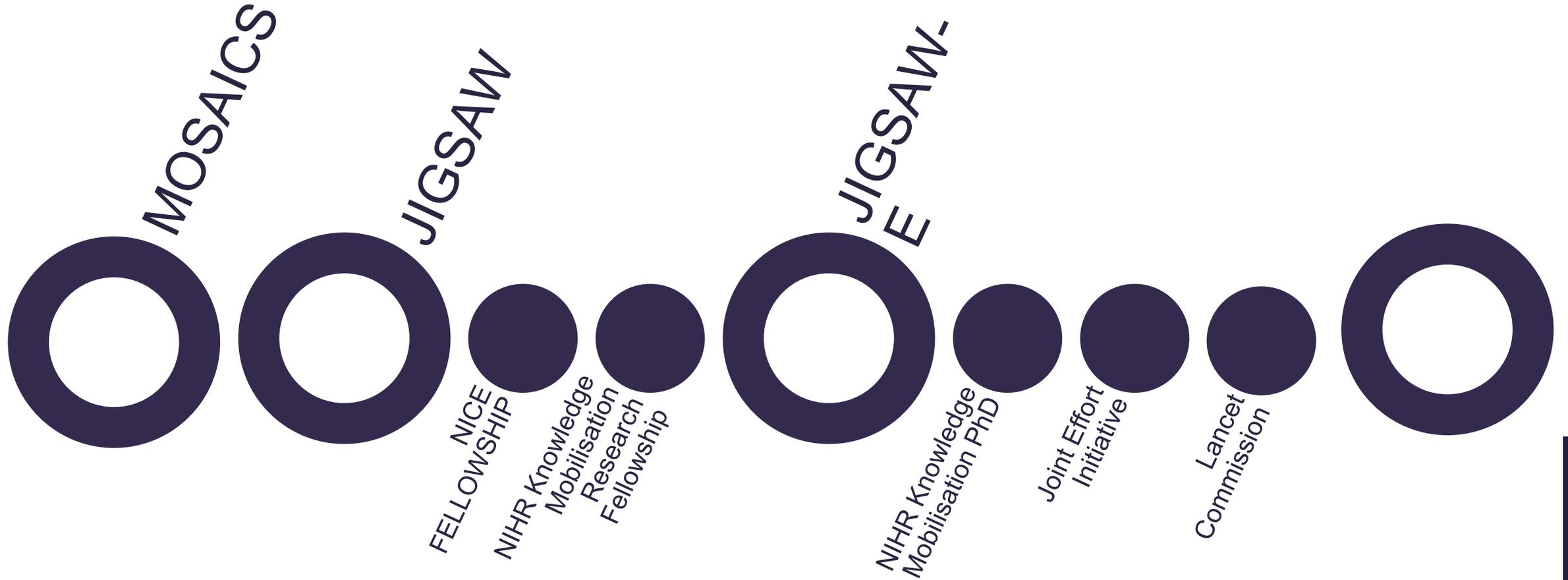




Lesson learned from evaluation of implementation

KRYSIA DZIEDZIC, DIRECTOR IMPACT ACCELERATOR UNIT, KEELE UNIVERSITY, UK

A NICE journey

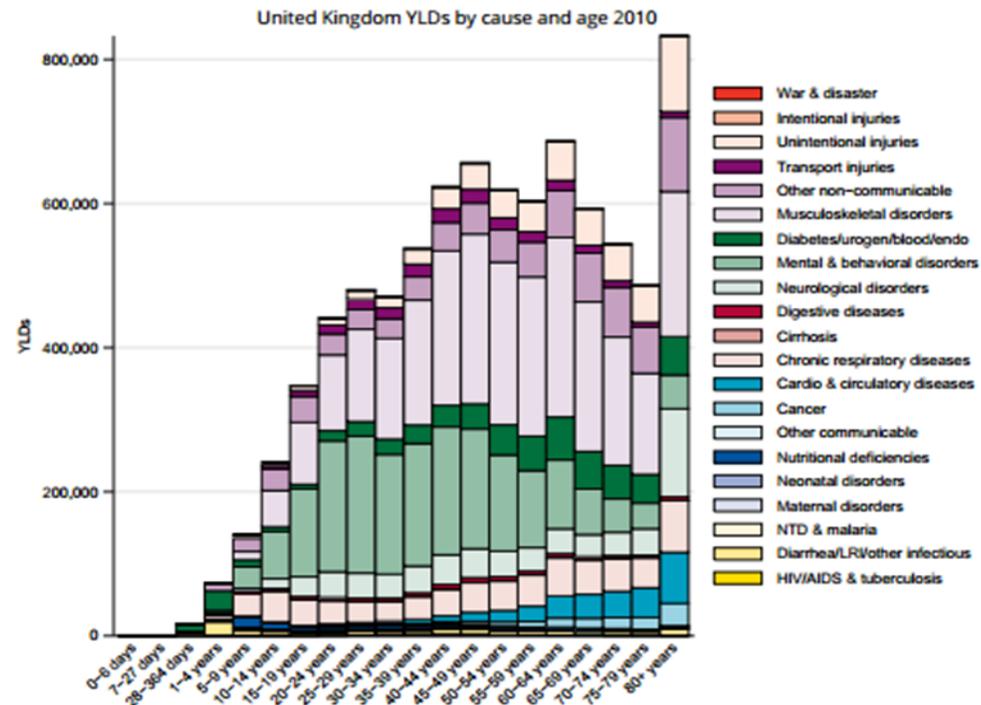


Why osteoarthritis?

YEARS LIVED WITH DISABILITY (YLDs)

Years lived with disability (YLDs) are estimated by weighting the prevalence of different conditions based on severity. The top five leading causes of YLDs in the United Kingdom are low back pain, falls, major depressive disorder, neck pain, and other musculoskeletal disorders.

Context:
Primary care &
self-management
support for osteoarthritis



Implementing osteoarthritis guidelines in primary care

MOSAICS Managing osteoarthritis in consultations study



To **determine the effect** of the uptake of core NICE recommendations, to **support self-management** in adults aged 45 years and over with peripheral **joint pain**



Innovations

GP and Nurse Training

Model OA Consultation

Keele OA Guidebook



Patient
presenting with
joint pain 45
years and over

GP makes, gives,
explains diagnosis,
analgesia, promotes
self-management,
gives guidebook,
refers to nurse

Practice Nurse
supports self-
management;
guidebook; goal
setting, exercise,
weight loss, pain
control



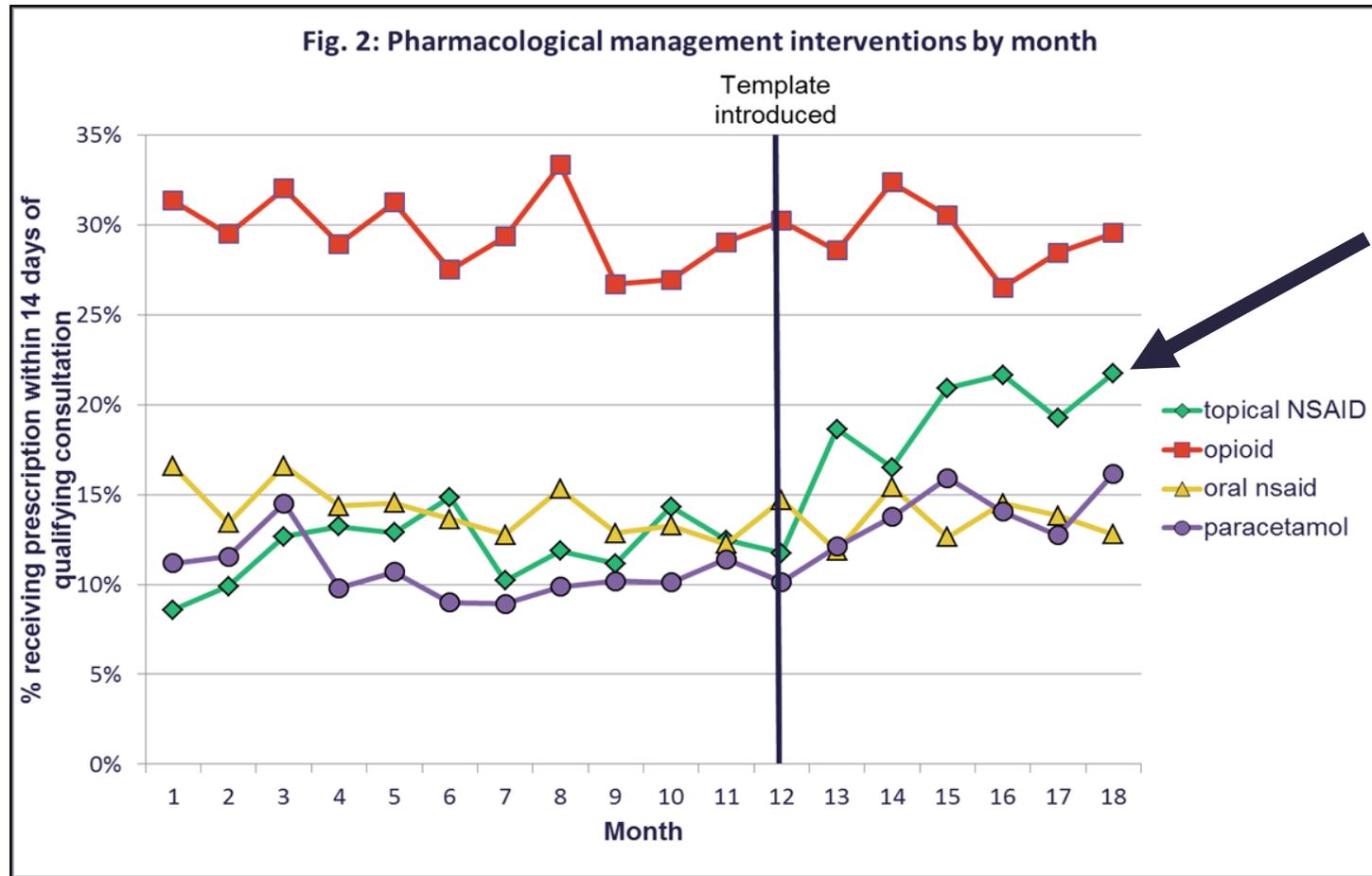
NICE Quality Standards

[QS87 June 2015]

- Statement 1. Adults aged 45 or over are diagnosed with OA clinically without investigations if they have activity-related joint pain and any morning joint stiffness lasts no longer than 30 minutes.
- Statement 2. Adults newly diagnosed with OA have an assessment that includes pain, impact on daily activities and quality of life.
- Statement 3. Adults with OA participate in developing a self-management plan that directs them to any support they may need.
- Statement 4. Adults with OA are advised to participate in muscle strengthening and aerobic exercise.
- Statement 5. Adults with OA who are overweight or obese are offered support to lose weight.
- Statement 6. Adults with OA discuss and agree the timing of their next review with their primary healthcare team.
- Statement 7. Adults with OA are supported with non-surgical core treatments for at least 3 months before any referral for consideration of joint surgery.
- Statement 8. Healthcare professionals do not use scoring tools to identify which adults with OA are eligible for referral for consideration of joint surgery



The osteoarthritis template



Edwards JJ, et al. 2014 *Rheumatology*

MOSAICS research findings

- Model OA consultation
 - ✓ improves Quality Indicators of *OA care*
 - ✓ implements guidelines in primary care
 - reduces oral NSAIDS and orthopaedic visits
 - ✓ no additional cost
- No change in patient reported outcome measures
- Integrated GP and practice nurse consultation
 - ✓ support for self-management

Quality indicators
(patient, e-template)

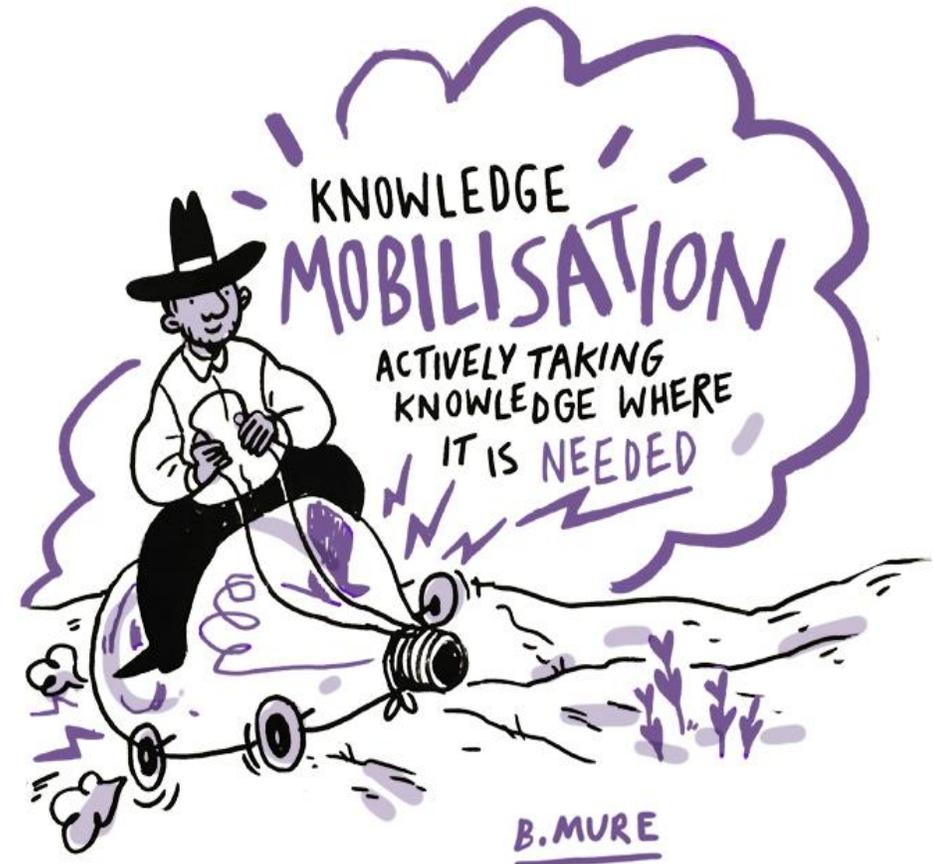
Model consultation

Patient information

Training

MOSAICS Lessons

- Template was an intervention (a prompt) in its own right
- Evidence-based resources produced had face validity
- There was a desire to continue delivering an enhanced service



JIGSAW



Quality indicators
(patient, e-template)

Model consultation

Patient information

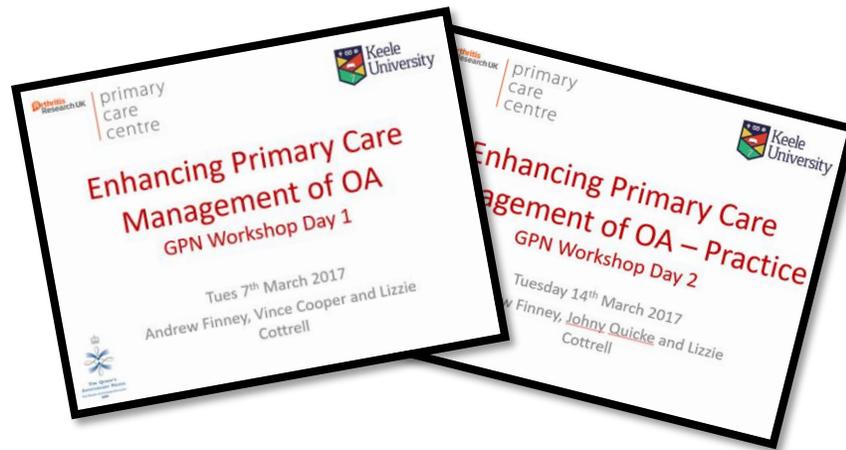
Training



Joint Implementation of
Guidelines for oSteoArthritis
in the **West Midlands**

Refinements

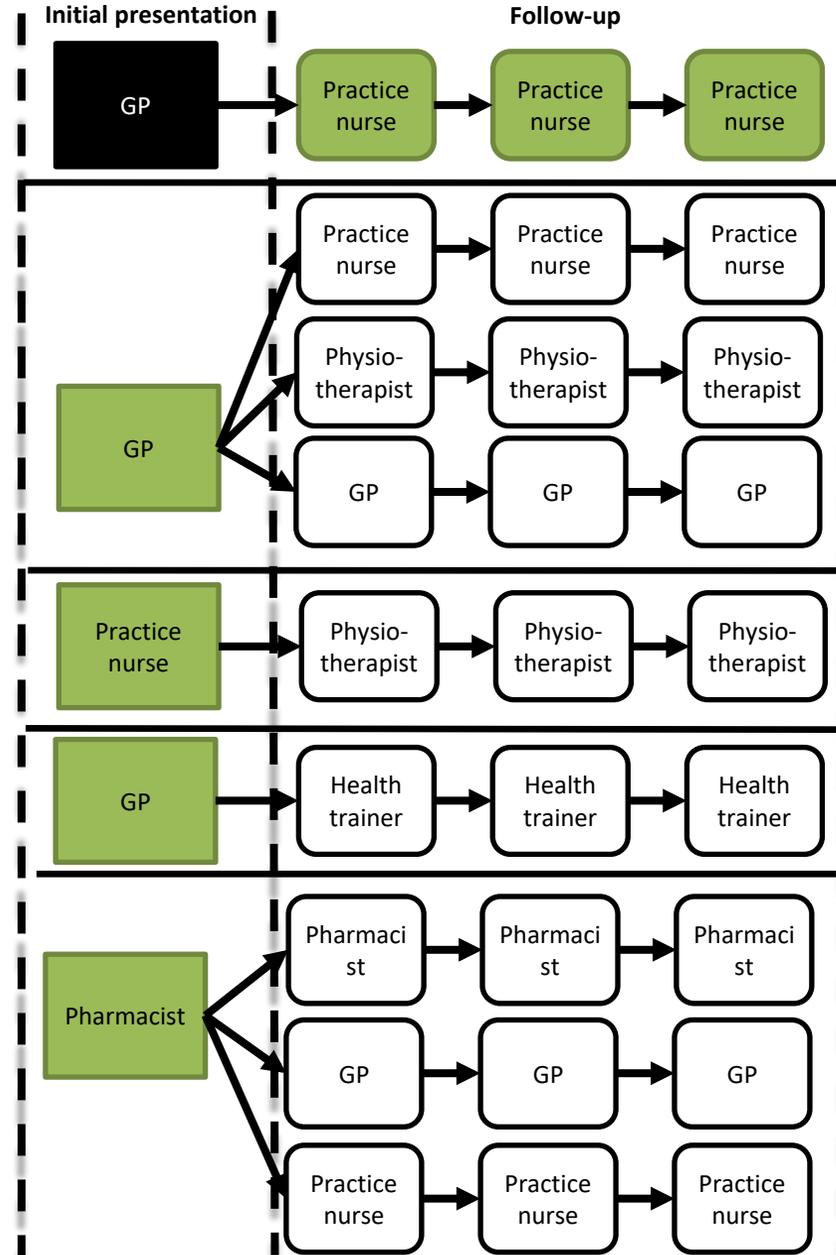
Training for the multidisciplinary team



Patient and Public Involvement and Engagement

Adaptation

Original model



Adapted models

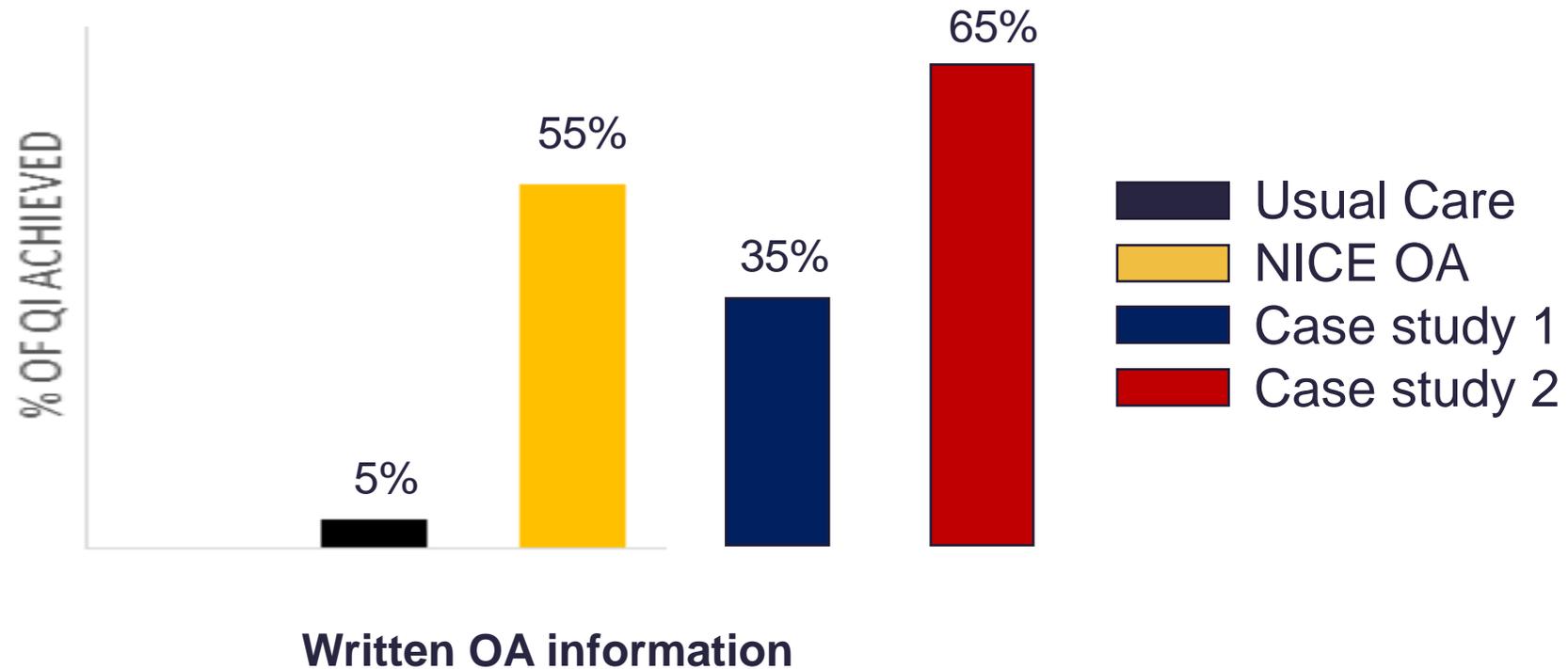
Adaptation at organisational level

- Top-down incentivised scheme
- Top-down pilot sites
- Ground up

Practice scale-out was more rapid with a top-down incentivised approach

Ground-up practice may be more engaged (e.g. template use)

Evaluation research versus practice



JIGSAW Lessons

Swaithes et al. *Implementation Science* (2020) 15:95
<https://doi.org/10.1186/s13012-020-01055-2>

Implementation Science

RESEARCH

Open Access

Understanding the uptake of a clinical innovation for osteoarthritis in primary care: a qualitative study of knowledge mobilisation using the i-PARIHS framework



Laura Swaithes^{1*}, Krysia Dziedzic¹, Andrew Finney¹, Elizabeth Cottrell¹, Clare Jinks², Christian Mallen², Graeme Currie³ and Zoe Paskins¹

- **Facilitation** by an inter-disciplinary **knowledge brokering service**, nested within an academic institution, can support ongoing implementation with facilitation, infrastructure and resources to support the workload burden
- **'Instinctive facilitators'** individuals who do not adopt formal brokering roles or fully recognise their role in mobilising knowledge for implementation
- **Public contributors and lay communities** were not only recipients of healthcare innovations but also potential powerful facilitators of implementation



Scale and spread

- To support primary care in European countries to address the unmet needs of adults consulting for osteoarthritis
- Systematic implementation of previously piloted innovations

JIGSAW-E (Europe)
Joint Implementation
of Guidelines
for **oSteoArthritis in**
Western Europe €



JIGSAW-E

Joint Implementation of Guidelines for Osteoarthritis in Western Europe



Patient presenting with joint pain 45 years and over

GP makes, gives, explains diagnosis, analgesia, promotes self-management, gives guidebook, refers to nurse

Practice Nurse supports self-management; guidebook; goal setting, exercise, weight loss, pain control



JIGSAW-E refinements

- ✓ Growth of the European citizens network and the broader community of practice
- ✓ Growth of industry partnerships
- ✓ OA guidebook translated and culturally adapted into Dutch, Danish, Norwegian and Portuguese
- ✓ New research followed



Citizen Involvement & Engagement



JIGSAW-E PATIENTS AS
EQUAL PARTNER

CO-PRODUCTION OF
PATIENT RESOURCES

DUTCH ARTHRITIS
FOUNDATION
PUBLISHED THE
GUIDEBOOK



PATIENT INVOLVEMENT IN
THE TRAINING

CONFERENCE
PRESENTATION

JIGSAW-E Lessons

Healthcare Partnerships

Academic leadership

Project management



RESEARCH ARTICLE

Implementing a structured model for osteoarthritis care in primary healthcare: A stepped-wedge cluster-randomised trial

Nina Østerås¹, Tuva Moseng¹, Leti van Bodegom-Vos², Krysia Dziedzic³, Ibrahim Mdala⁴, Bård Natvig⁴, Jan Harald Retterud⁵, Unni-Berit Schjervheim⁶, Thea Vliet Vlieland⁷, Øyvør Andreassen⁸, Jorun Nystuen Hansen⁸, Kåre Birger Hagen¹

1 National Advisory Unit on Rehabilitation in Rheumatology, Department of Rheumatology, Diakonhjemmet Hospital, Oslo, Norway, **2** Department of Biomedical Data Sciences, Leiden University Medical Center, Leiden, The Netherlands, **3** Primary Care Centre Versus Arthritis, School of Primary, Community and Social Care, Keele University, Keele, United Kingdom, **4** Department of General Practice, Institute of Health and Society, University of Oslo, Oslo, Norway, **5** Department of Orthopaedic Surgery, Akerhus University Hospital, Lørenskog, Norway, **6** Health and Social Services, Nes Municipality, Norway, **7** Department of Orthopaedics, Leiden University Medical Center, Leiden, The Netherlands, **8** Patient Research Panel, Department of Rheumatology, Diakonhjemmet Hospital, Oslo, Norway

* nina.osteras@medisin.uio.no



Community of Practice

"A group of people, who share a concern, a set of problems, or a passion about a topic, and who deepen their knowledge and expertise in this area by interacting on an ongoing basis."

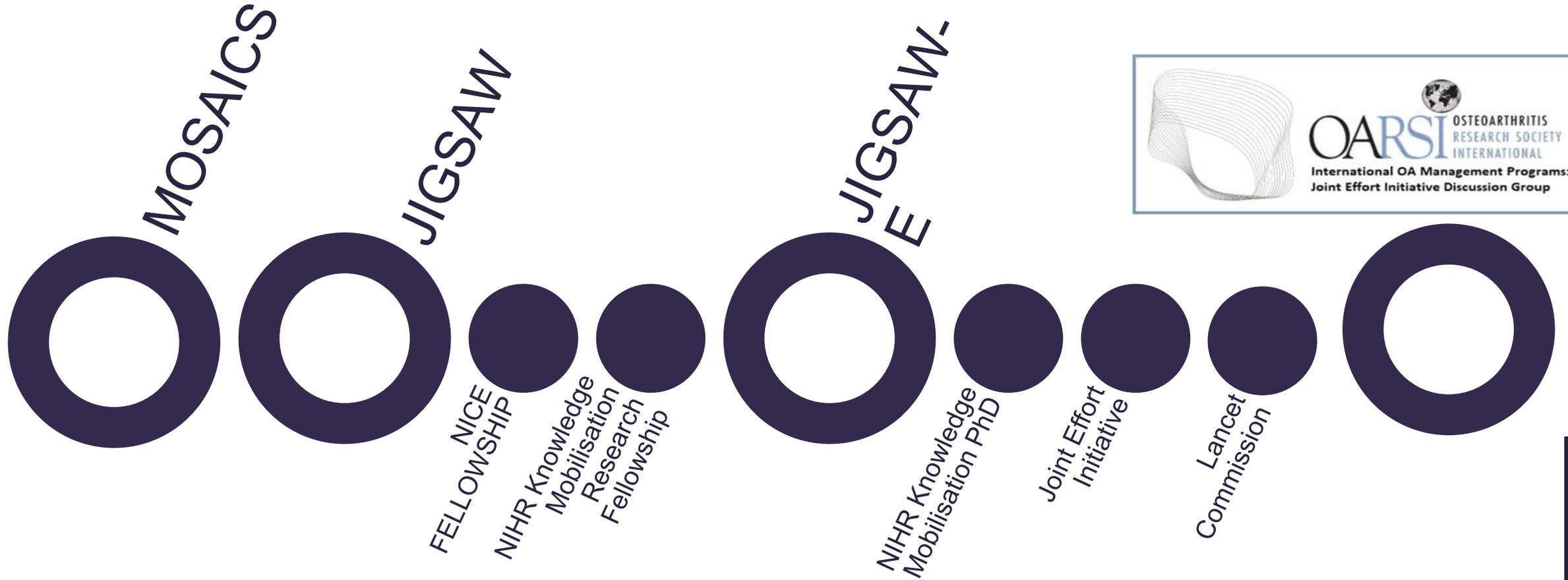


Shared domain of interest represents the common knowledge being discussed

Community represents the joint activities and discussions whereby interactions and learning take place, and participants build relationships

Practice represents the shared repertoire of resources for the practice such as experiences, information, stories, tools, ways of addressing problems which requires sustained interactions

A NICE journey



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VERSUS
ARTRITIS



west midlands
ACADEMIC HEALTH SCIENCE NETWORK

eular
fighting rheumatic & musculoskeletal
diseases together

NIHR | National Institute
for Health Research



Thank *you*

Keele University
Newcastle-under-Lyme
Staffordshire
ST5 5BG
+44 (0)1782 732000

Content developed by
Impact Accelerator Unit, School of Medicine,
Faculty of Health, Keele University