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# Key finding

# We have combined administrative health data with lived experience to create interactive tools to support service planning for people with RMDs

Supporting delivery of rheumatic and musculoskeletal services to meet the needs of local populations

## Why does this matter?

It is hard to effectively plan local services for people with rheumatic and musculoskeletal disorders (RMDs) because:

- Planning tools commonly estimate geographical prevalence using data from other populations
- Some conditions are looked after mainly in primary care, others in specialist services
- Evidence on patient priorities for care is focused on symptoms as opposed to components of service

# What did we do?

We used administrative health data from primary and secondary care, a survey and interviews to:



Measure **prevalence of** osteoarthritis (OA), inflammatory arthritis (IA) and rare rheumatic disorders (RAIRDs) across geographical areas in **Wales** and **Scotland** 



Develop a series of **interactive maps** to help inform local, regional and national service planning



Explore **patient priorities for care** across a range of different RMDs

Further details about the RHEUMAPs study and outputs (including reports and interactive maps) can be found here:

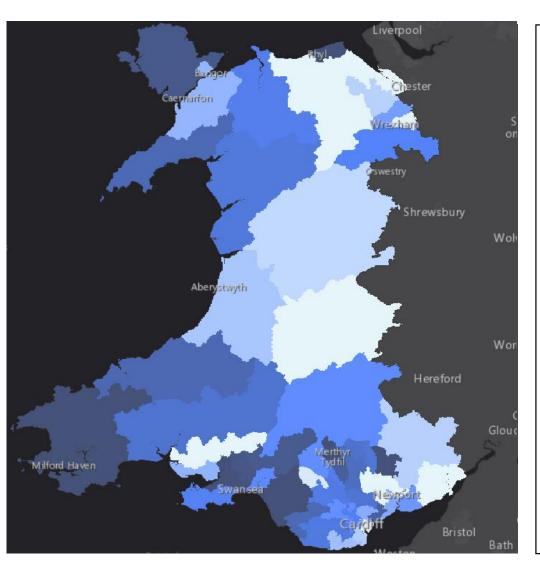


# What are our key achievements and lessons learned?

# ✓ Creation of an integrated data platform

We created RMD datasets including primary and hospital-based care covering 85% of the population of Wales and > 50% of the population across five health boards in Scotland.

Methods to replicate the data platform in real time with interactive outputs to inform service delivery



For example, we mapped the number of people with OA, IA and RAIRDs in each health board and primary care cluster in Wales; prevalence of RMDs in relation to areabased measures of deprivation; and in working age populations and those over 65 years to help better target support.

### ✓ Identified areas where patient care can be improved

Younger adults, those with non-inflammatory conditions, and out of work due to illness were more likely to be dissatisfied with services. Key gaps were lack of signposting to resources, difficulty accessing care due to caring responsibilities and lack of work support.

### What is the impact of our findings?







