

IHI call 8



- Tackling cardiovascular disease in cities
- Big data and osteoarthritis
- Regulatory sandboxes to support innovation
- Patient-centred endpoints from digital technologies

Deadline for short proposals:
10 October 2024

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IHI call 8 topic spotlight



A city-based approach to reducing cardiovascular mortality in Europe

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What's the problem?

Issues like pollution, a lack of green spaces, and stressful lifestyles mean that people living in cities face an increased risk of developing cardiovascular disease. Improving the management of CVD in cities would benefit the health of many people.



What do we want you to do?

Identify and create models, interventions and best practice to improve the management of CVD in Europe's cities, covering healthcare delivery, individual lifestyle changes, and the living environment.

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What's the problem?

Osteoarthritis (OA) occurs when the cartilage and other tissues in our joints deteriorate, resulting in pain and stiffness. There is no cure, and it is a major cause of disability. Studies suggest that there may be different types of OA.



What do we want you to do?

Use a big data approach to improve our understanding of OA and identify subgroups of patients who may benefit from different treatments, hopefully paving the way for regulatory recognition of measures to predict the disease and assess responses to treatment.

Novel endpoints for osteoarthritis by applying big data analytics

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Modelling regulatory sandbox mechanisms and enabling their deployment

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What's the problem?

'Regulatory sandboxes' allow innovators and regulators to explore how best to regulate a novel technology so that end users are protected, but innovations are not held back by the lack of an existing regulatory framework. In health, regulatory sandboxes are still in their infancy.



What do we want you to do?

Scan healthcare innovations for potential candidates for regulatory sandboxes and analyse how they could drive innovation in an evolving environment, and produce recommendations on how regulatory sandboxes could be implemented in health.

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Patient-centred clinical-study endpoints derived using digital health technologies

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What's the problem?

There are many ways of assessing the impact of a therapy on how a patient actually feels and functions. As these measures are complementary, the most accurate insights will likely come from combining them, but this is not easy.



What do we want you to do?

Develop a framework and recommendations for using multiple types of patient-centred information in combination in clinical studies, to ensure that therapies genuinely address patients' needs and make a meaningful difference to their lives.