

Advancing evidence generation with **HIPHOP**: Hybrid register-based Intervention Platform in a Hip Osteoarthritis Population.

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Background

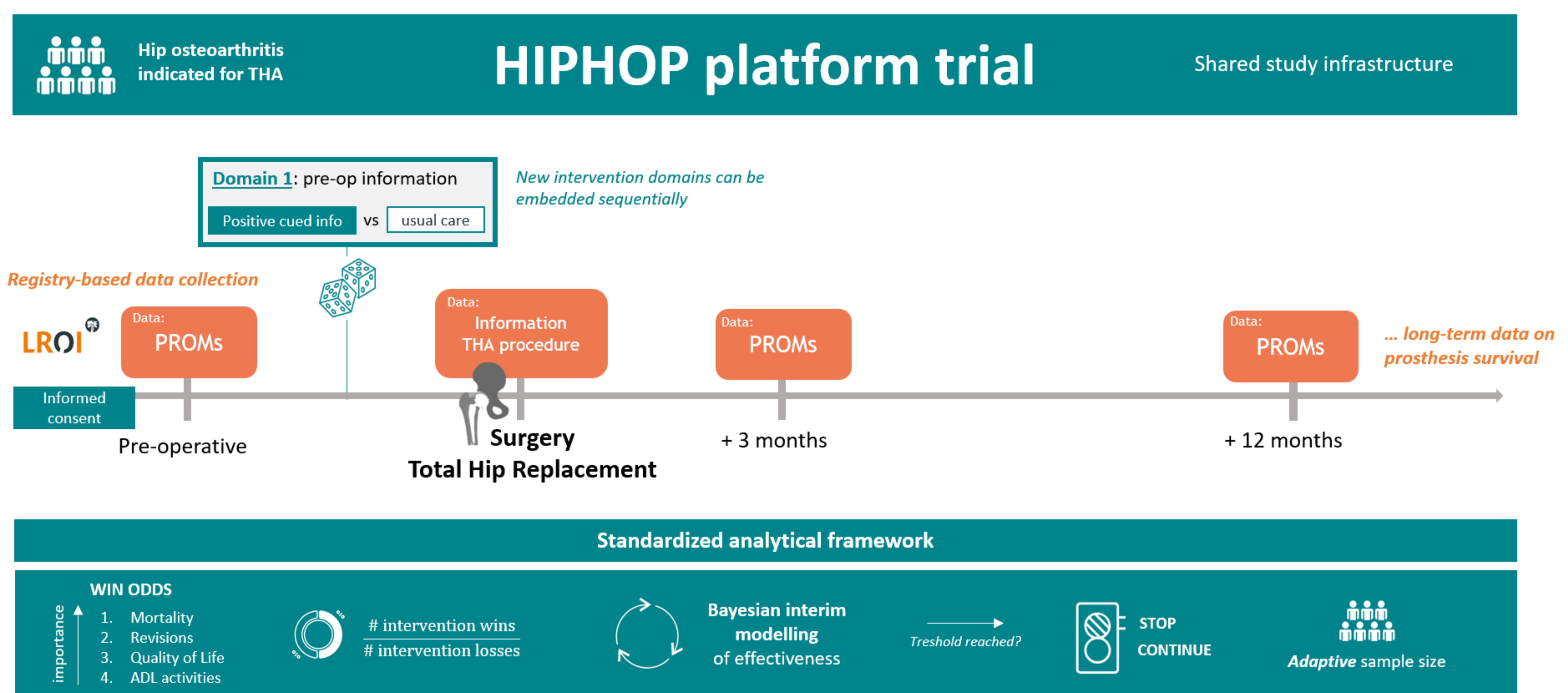
- **Hip osteoarthritis** is a major cause of pain and disability and often progresses to **total hip arthroplasty (THA)**.
- Evidence uncertainty and practice variation in THA highlight the need for high-quality studies to guide treatment decisions.
- Traditional randomized trials are slow, costly, and focus on a single intervention.
- An **adaptive platform trial** offers an **efficient** and **flexible** alternative.

Study design

Benefits of adaptive platform trials

- One shared infrastructure enables efficient evaluation of **multiple interventions** while reducing study set-up and preparation efforts.
- New interventions, randomized against a common comparator, can be added over time.
- **Bayesian interim analyses** allow adaptive decisions to continue or stop interventions based on accumulating evidence of comparative effectiveness.

We are developing **HIPHOP**, Hybrid register-based Intervention Platform in a Hip Osteoarthritis Population, aimed to continuously evaluate treatment strategies pre-, during, and post-THA.



Feasibility?

- In the **first intervention domain**, a **randomized** comparison will be conducted, focused on **pre-operative information**, to assess (**operational**) **feasibility** of implementing a registry-based platform trial in arthroplasty.
- 50 individuals will be randomized to receive either positively cued pre-op information or standard pre-op information.

Conclusion

Using a registry-embedded platform trial design, HIPHOP aims to accelerate evidence generation in THA research and improve outcomes for patients with hip osteoarthritis.

Our first objective is to assess the feasibility of this design through a pilot intervention domain evaluating positively cued pre-operative patient information.

Looking for ideas.
Please share your input using this link!



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In collaboration with:

