



## Medication Reviews Bridging Healthcare (MedBridge) trial

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## MedBridge Background



- Older patients and medication-related harm
- Comprehensive medication review (CMR)
  - Structured, critical examination of a patient's medications
  - In relation to the patient's underlying conditions, symptoms and preferences
- To optimise treatment effects and minimise harm
   [Blenkinsopp 2012, NICE 2015]
- Evidence on clinically relevant outcomes inconclusive [Christensen 2016]





 To study the effects of hospital-initiated comprehensive medication reviews on older patients' healthcare utilisation.

[Protocol published in Contemp Clin Trials. 2017 Jul 21;61:126-132]



## MedBridge Study design



Cluster-randomised crossover trial



### MedBridge Setting



- 4 hospitals in 3 Swedish regions
- 2 wards per hospital
  - internal medicine, geriatric, stroke, neurology and diabetes-nephrology



# MedBridge Study participants



#### Inclusion criteria

≥65 years admitted to study ward

#### **Exclusion criteria**

- medication review within 30 days
- residing in another than the hospital's county
- being in a palliative stage
- one-day admission



### MedBridge Interventions



#### CMR

 Comprehensive medication review by ward-based clinical pharmacist during hospital stay

#### CMR plus follow-up

 CMR plus referral to GP if needed, and phone call 2-7 days and 1-2 months after discharge

#### Control

Usual care



## MedBridge Primary outcome measure



 Incidence of unplanned hospital visits during 12month follow-up



### MedBridge Status



- December 2018: last patient included
  - 2645 patients included, 7 withdrawn
- December 2019: 12-month follow-up completed
- Spring 2020: analysis and main publication



## Thank you for listening and a big thank you to...



- MedBridge project group
- Advisory board
- Research assistants and students
- Funding bodies
- Ward staff
- Patients





