

QUALITY OF CARE AND MORTALITY IN HIP FRACTURE PATIENTS IN THE COURSE OF THE COVID PANDEMIC: A POPULATION BASED COHORT STUDY

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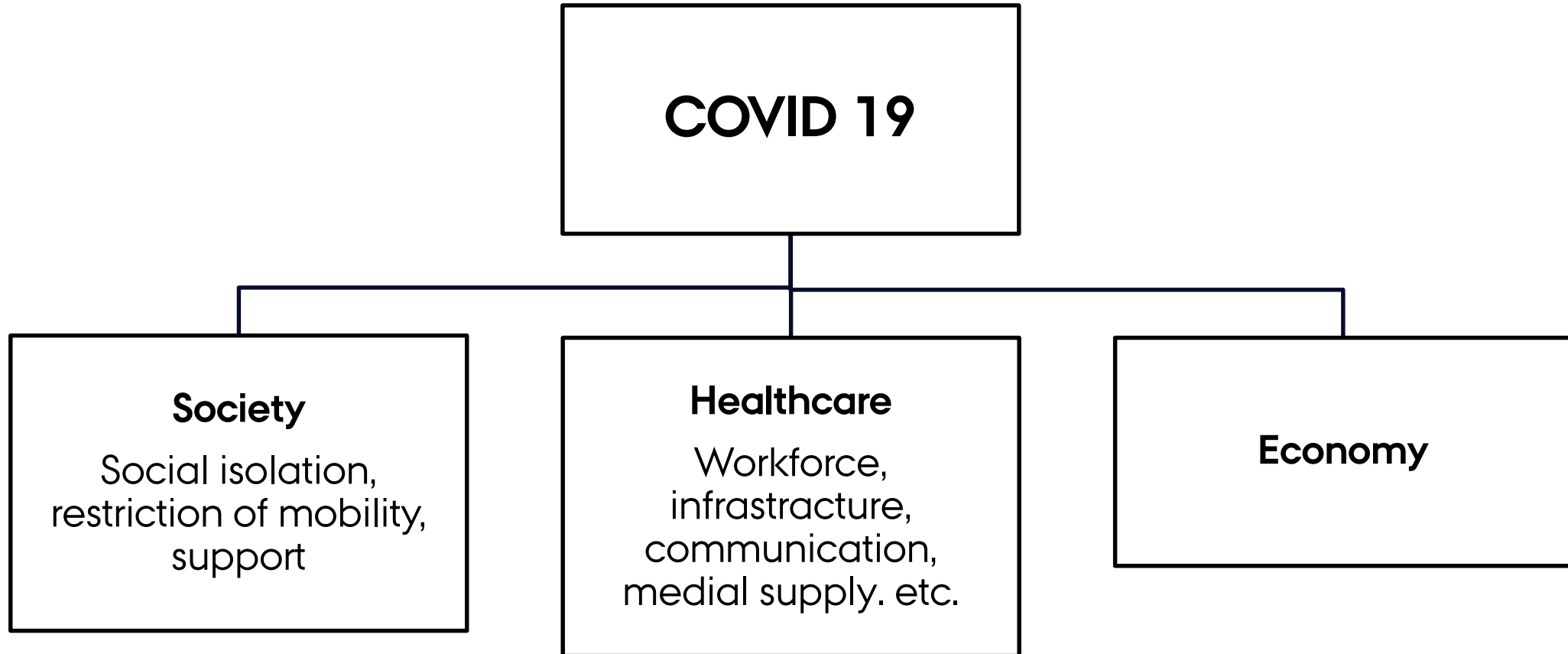
CONFLICT OF INTEREST: NONE



BACKGROUND

In the (interdisciplinary) register steering group, we wondered about an increase in the 30-day mortality seen during the Corona period.

BACKGROUND



AIM

We assessed


- quality of in-hospital care
- 30-day mortality

for hip fracture patients in Denmark before and during the COVID pandemic.

METHODS

Data source: Danish Multidisciplinary Hip Fracture Registry
(Dansk Tværfagligt Register for Hoftencære Lårbensbrud)

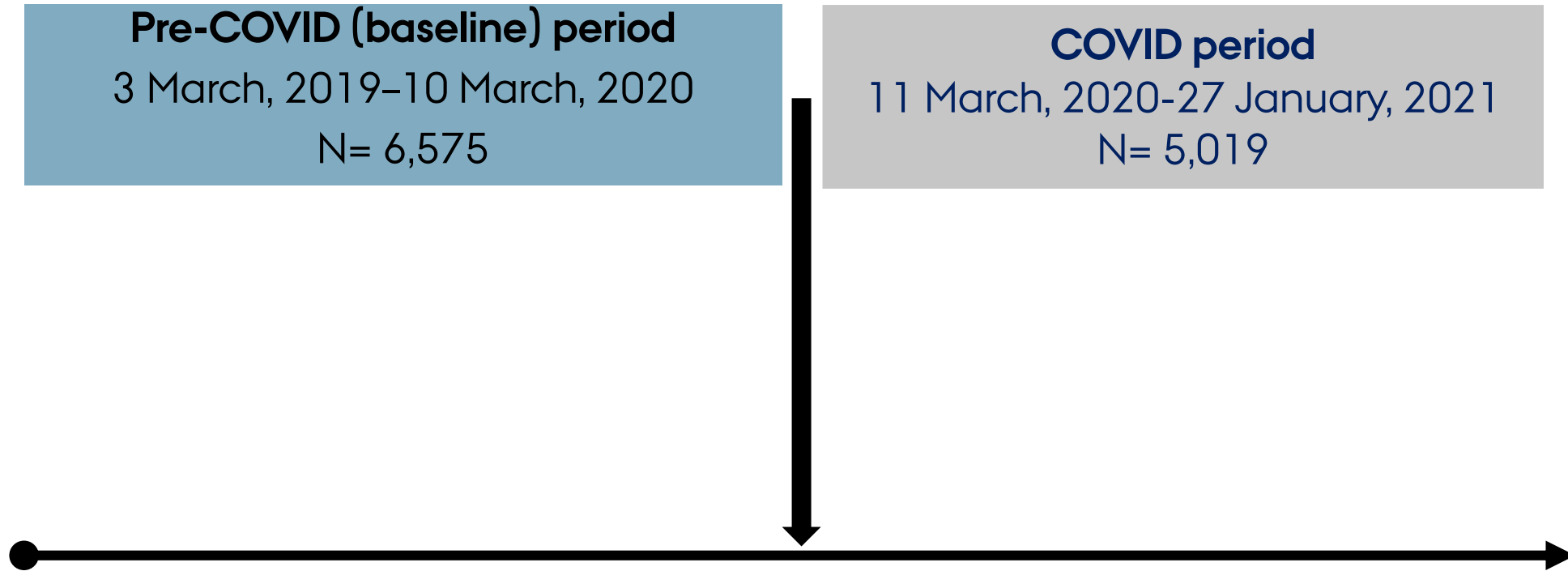
Outcome:

- In-hospital quality indicators 
- Mortality 30-day
- (Readmissions, reoperation)

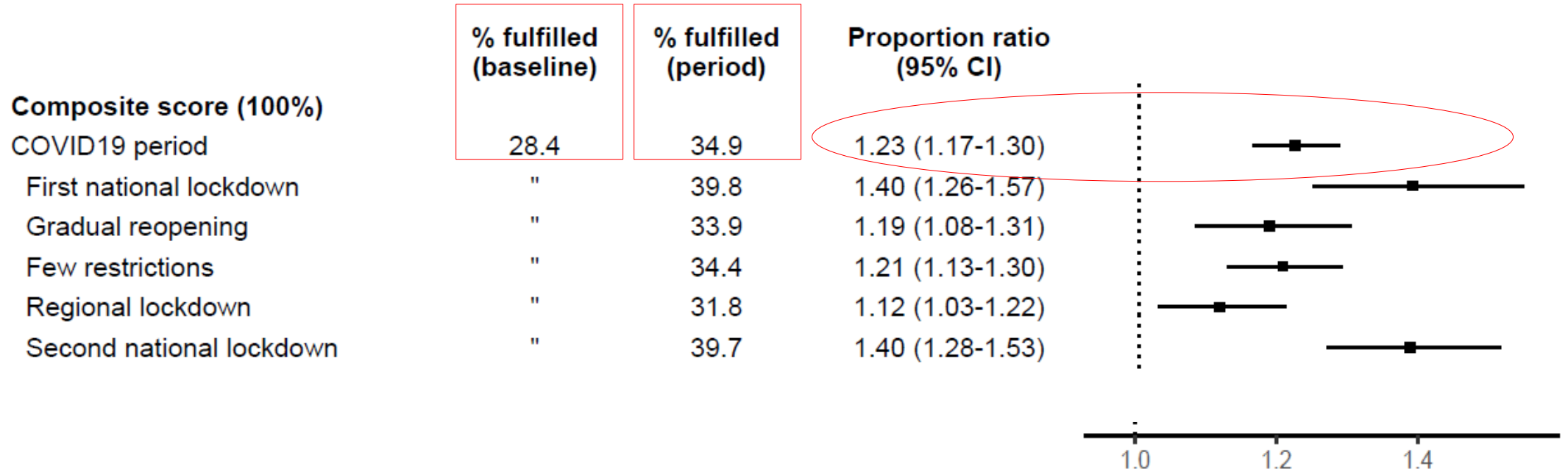
1. Preoperative optimization
2. Surgery delay 24h
3. Surgery delay 36h
4. Mobilization 24h
5. Nutrition status
6. Basis mobility prefracture
7. Basis mobility postfracture
8. Rehabilitation
9. Osteoporosis prophylaxis
10. Fall prophylaxis

METHODS

Exposure:

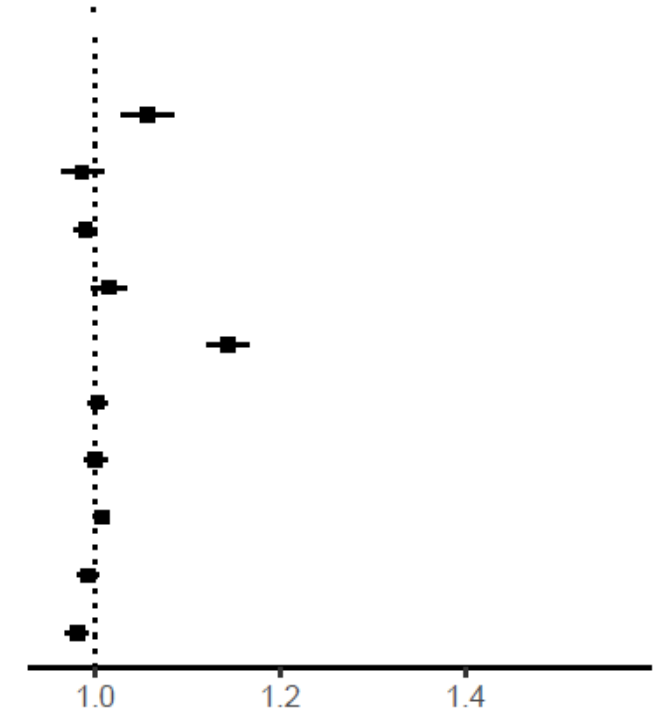


RESULTS – QUALITY OF CARE

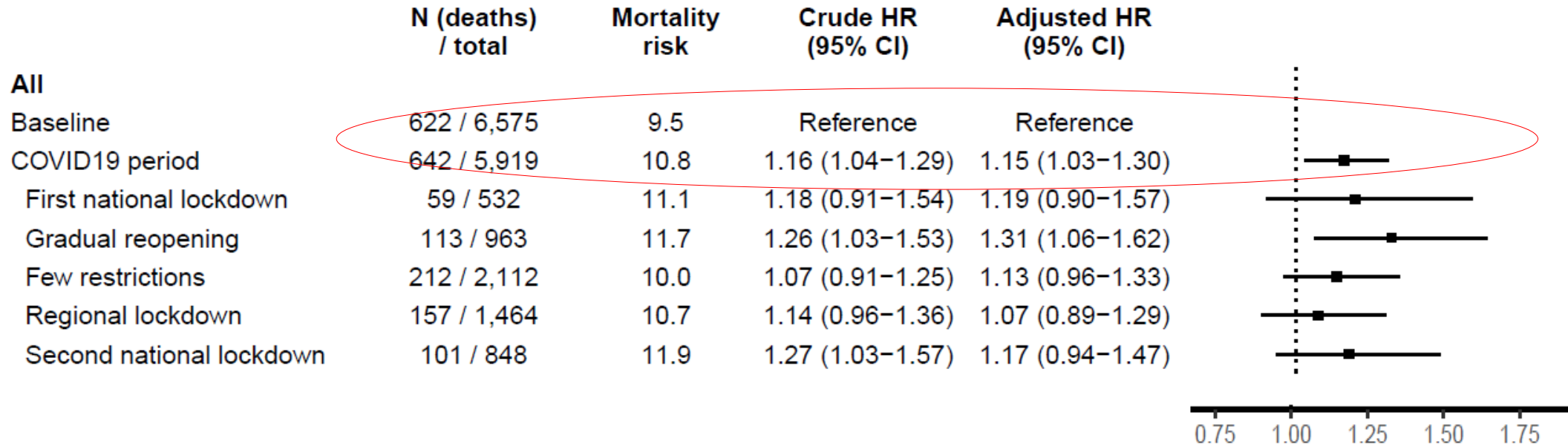


RESULTS – QUALITY OF CARE

	% fulfilled (baseline)	% fulfilled (period)	Proportion ratio (95% CI)
Individual quality indicators			
Preoperative optimization	61.9	65.4	1.06 (1.03-1.09)
Surgery delay 24h	70.7	69.7	0.99 (0.96-1.01)
Surgery delay 36h	88.5	87.6	0.99 (0.98-1.00)
Mobilization 24h	78.7	79.9	1.01 (1.00-1.03)
Nutrition status	70.7	80.9	1.14 (1.12-1.17)
Basis mobility pre	92.9	93.2	1.00 (0.99-1.01)
Basis mobility post	89.6	89.7	1.00 (0.99-1.01)
Rehabilitation	95.1	95.8	1.01 (1.00-1.02)
Osteoporosis proph	91.3	90.5	0.99 (0.98-1.00)
Fall proph	89.8	88.0	0.98 (0.97-0.99)



RESULTS – 30 DAY MORTALITY



In-hospital mortality:


4% in baseline period vs. 4.4% in the overall COVID period.

CONCLUSIONS

Compared to pre-COVID period, in the COVID period

- The quality of in-hospital care for hip fracture patients in Denmark was slightly higher
- The 30-day mortality was also slightly higher
- Similar in-hospital mortality

Perspectives

- Good quality of in-hospital care and vaccinations 
- Lack of home rehabilitation and care, family support, and social isolation 