

Hip Fractures¹: Indicators and Standards in The Danish National Indicator Project

Indicator domain	Indicator	Type	Standard
Pain	1. Proportion of patients who receive systematic pain assessment at rest and during mobilisation using a pain scale	Process	≥ 90%
Early mobilisation	2. Proportion of patients who are mobilised within 24 hours of the operation	Process	≥ 80%
Basis mobility	3. Proportion of patients whose basis mobility is assessed prior to the discharge. The indicator group recommends the use of Cumulated Ambulated Score (CAS) ²	Process	≥ 90%
Rehabilitation	4. Proportion of patients where a rehabilitation plan is produced including an ADL functional level prior to the fracture and an ADL functional level prior to the discharge	Process	≥ 90%
Secondary prevention Osteoporosis	5. Proportion of patients where decision has been made regarding medical treatment to prevent future osteoporotic fractures	Process	≥ 90%
Secondary prevention Falls	6. Proportion of patients where decision has been made regarding future fall prevention	Process	≥ 80%
Survival	7. Proportion of patients who are alive 30 days after admission	Outcome ³	≥ 90%
Reoperation	8a. Proportion of patients with an osteosynthesised undislocated medial fracture who are reoperated within 2 years	Outcome	≤ 15%
	8b. Proportion of patients with an osteosynthesised dislocated medial fracture who are reoperated within 2 years	Outcome	≤ 30%
	8c. Proportion of patients with an osteosynthesised subtrochanteric or trochanteric fracture who are reoperated within 2 years	Outcome	≤ 5%
Reoperation Hemi- eller total alloplasty	9. Proportion of patients with a hemi- or total alloplasty who are reoperated within 2 years	Outcome	≤ 10%
Reoperation Deep wound infection	10. Proportion of patients who are reoperated due to deep wound infection within 2 years	Outcome	≤ 2%

¹Diagnosis and inclusion criteria, and data definitions in relation to the indicators are described in "Datadefinitioner for NIP-hoftenære frakturer, version 2.4, februar 2010" (Danish only)

²Cumulated Ambulation Score: Foss NB, Kristensen MT, Kehlet H. Prediction of postoperative morbidity, mortality and rehabilitation in hip fracture patients: the cumulated ambulation score. Clin Rehabil 2006 Aug;20(8):701-8.

³In comparisons over time or between departments adjustments will be made for possible differences in the distribution of a number of prognostic factors.