



The Danish Fracture Database – www.DFDB.dk



"The initial 10.000-patient experience"

Anders Troelsen

A-kursus, Traumatologi, Odense, September 2013



- Purpose of DFDB:

"Web-based prospective quality monitoring of fracture related surgery:

Evaluating:

Re-operation rates

Operative parameters

Health Related Quality of Life (future)



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- Why is assessment of quality relevant:
 - Life-time prevalence of fractures is 38.2 %.
 - An estimated app. 40.000 fracture related surgeries are performed annually in DK
 - Previously, no systematic assessment of quality of fracture surgery in general



- History of DFDB:

- 6 years ago: Paper-and-pencil based database tested at Aabenraa Hospital
- 2 years ago: Web-based database started at dept.'s in Hvidovre and Odense
- Present: Total 10 dept.'s – more coming...
 - » Administration
 - » Board with annual meeting



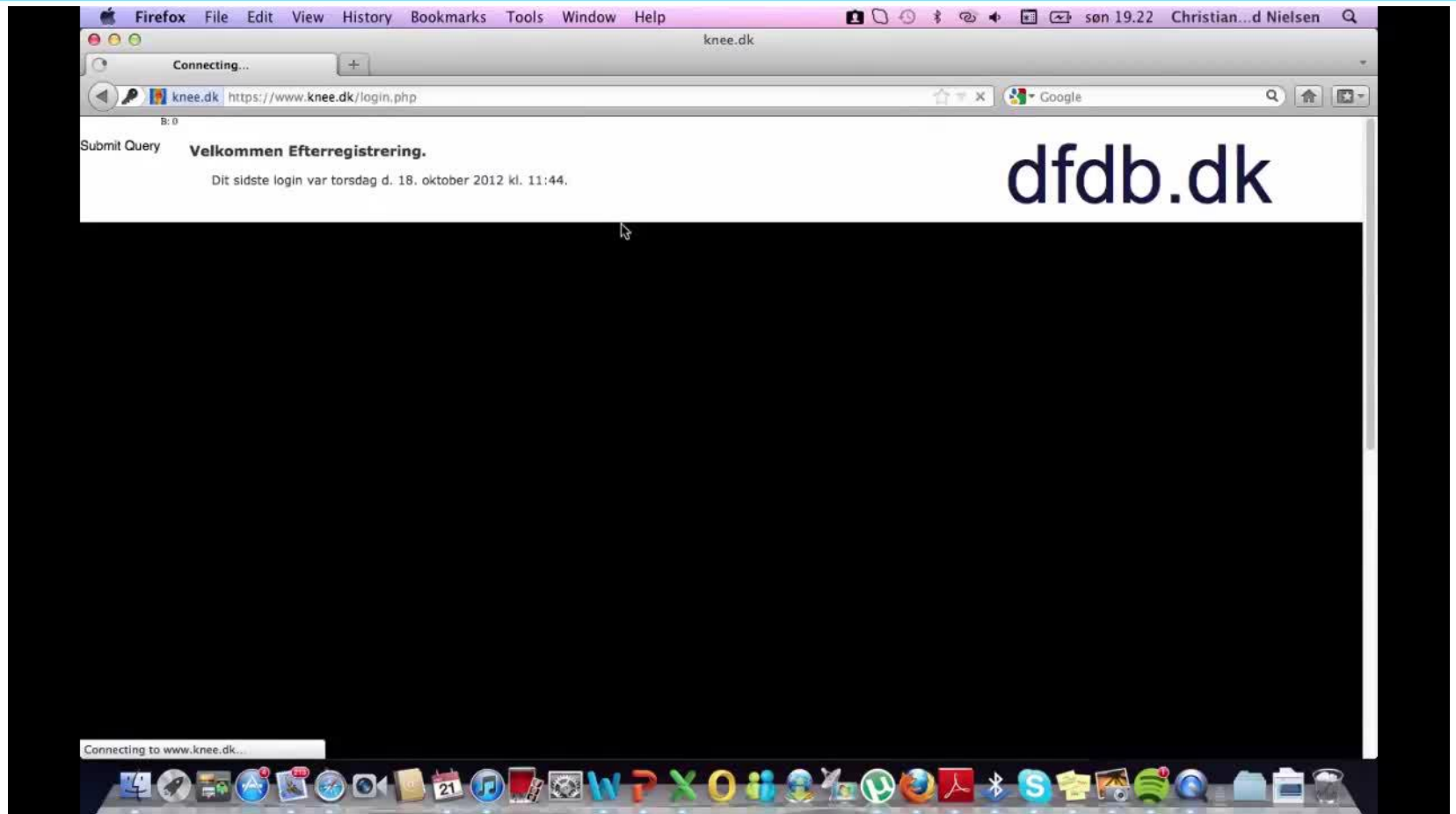
Kirill Gromov



Michael Brix



Video example of data entry.....



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- Participating Departments:

Hvidovre

Kolding

Odense

Aabenraa

Rigshospitalet

Herlev

Slagelse

Bispebjerg

Køge

Esbjerg

n ≈ 13.000 operationer



- Early data completeness and validity

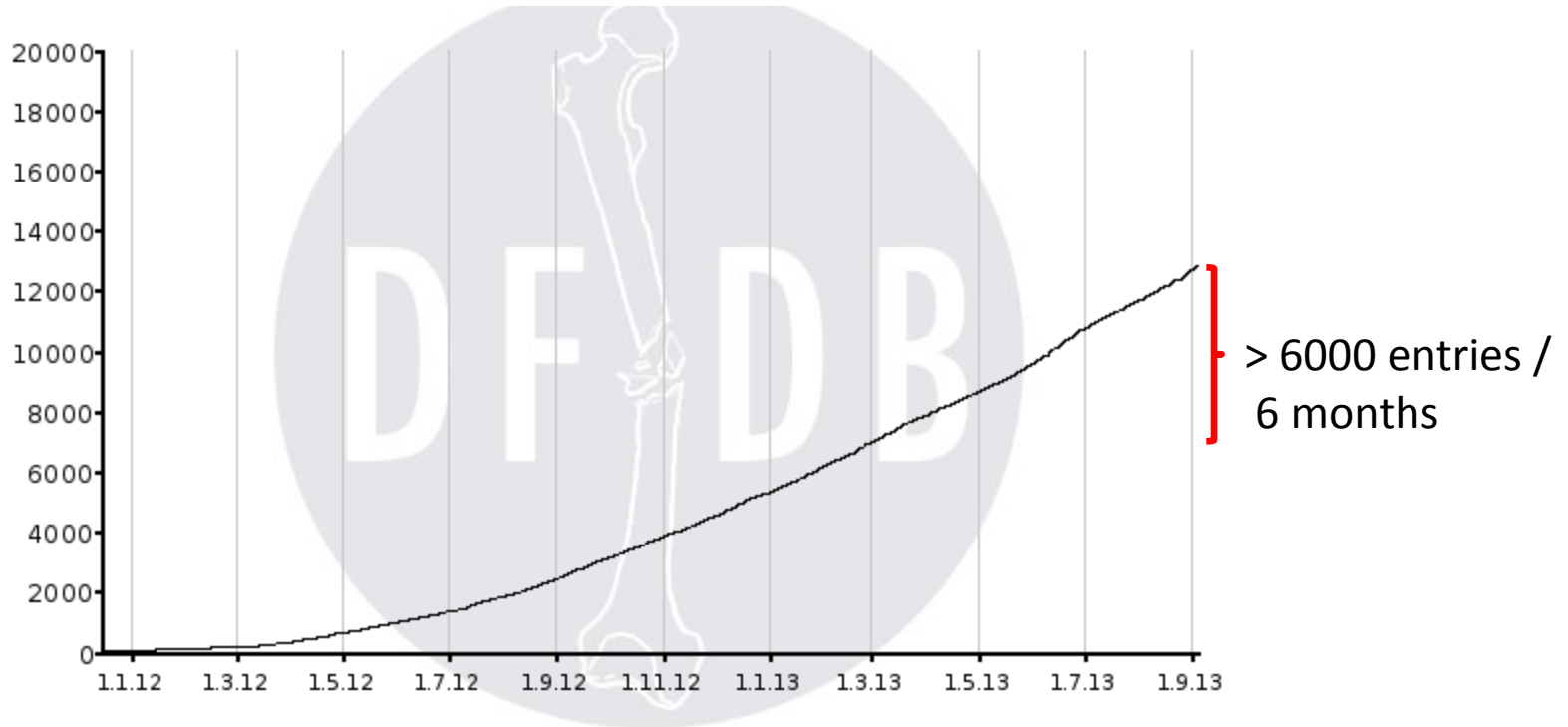
COMPLETENESS	Hvidovre	Odense	Both Departments
Primary surgeries	90% (145/161)	86%(102/118)	88% (247/279)
Reoperations	84% (27/32)	71% (22/31)	77% (49/63)
DATA VALIDITY			App. 90-100 %

Gromov et al., accepted DMJ, 2013



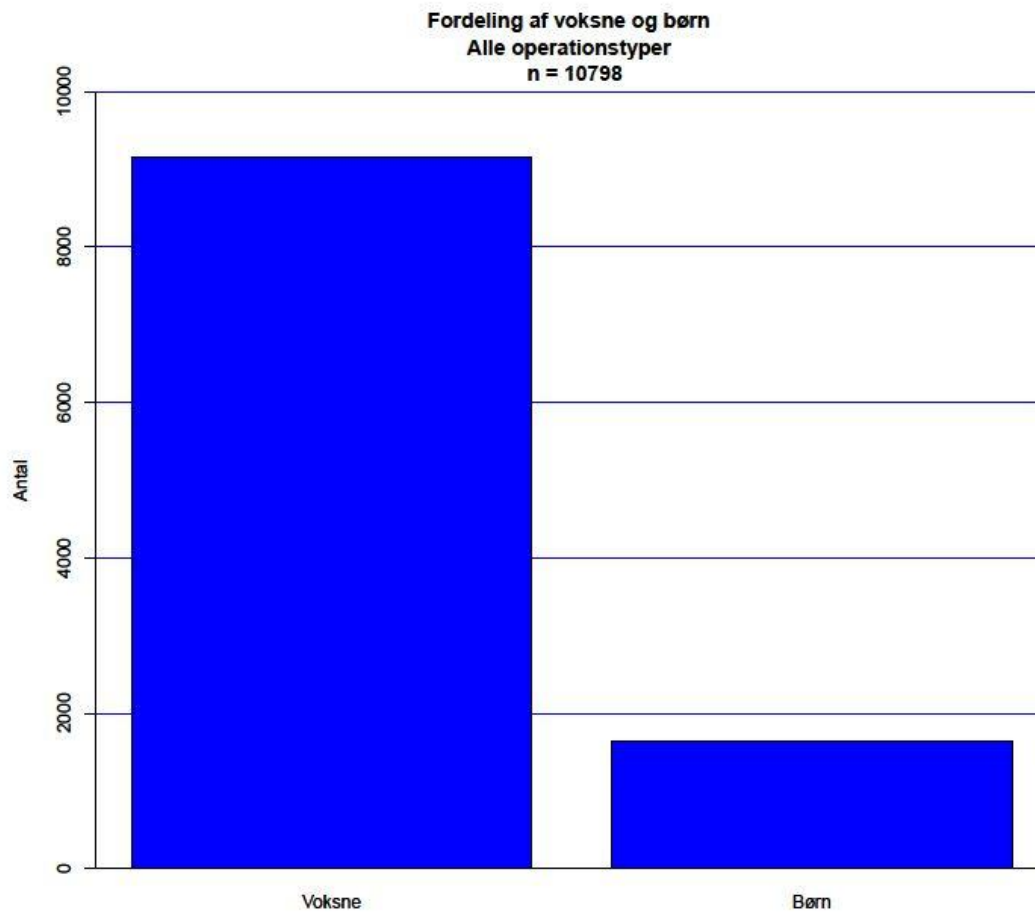
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History of data entries





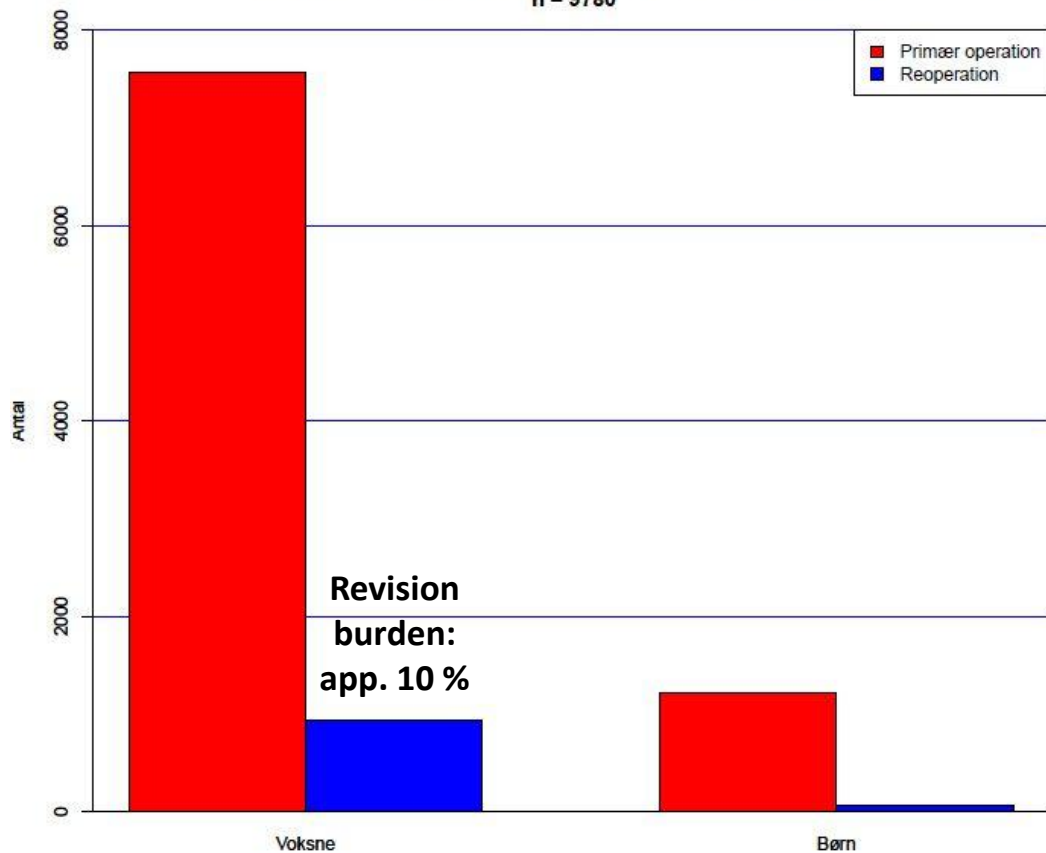
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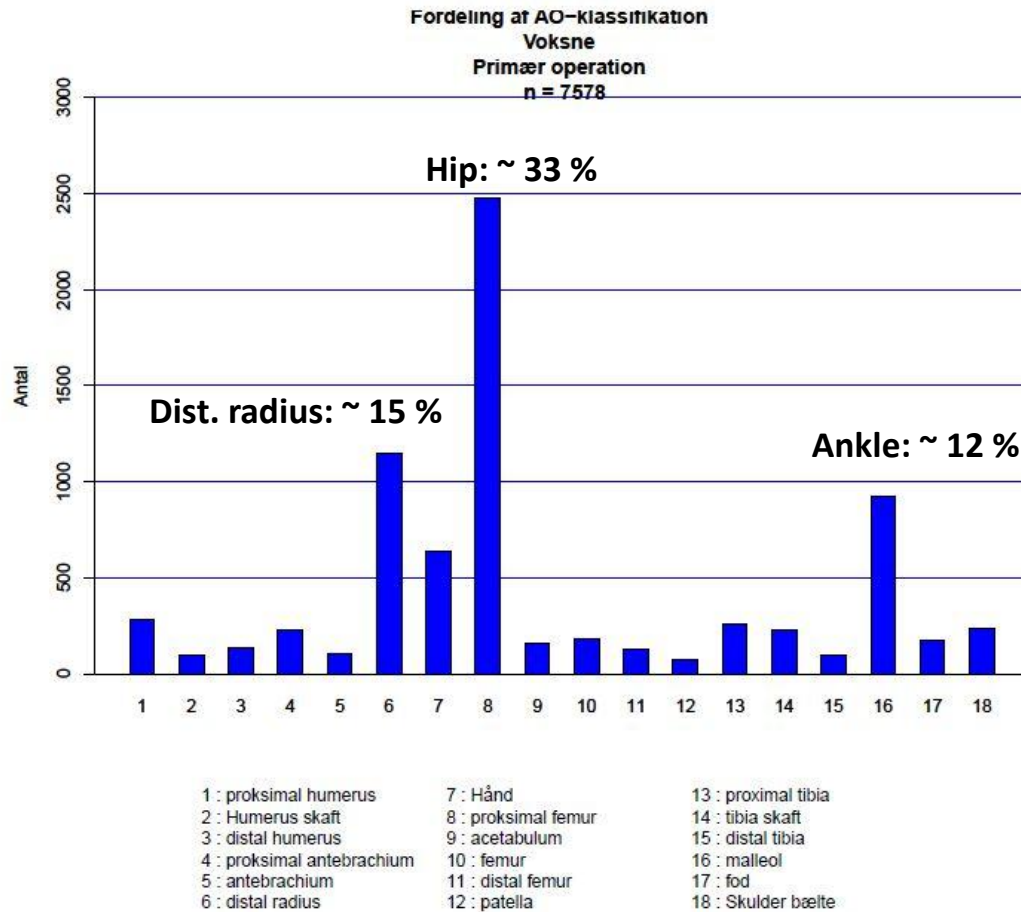
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Fordeling af Primær og reoperationer over voksne og børn
n = 9780



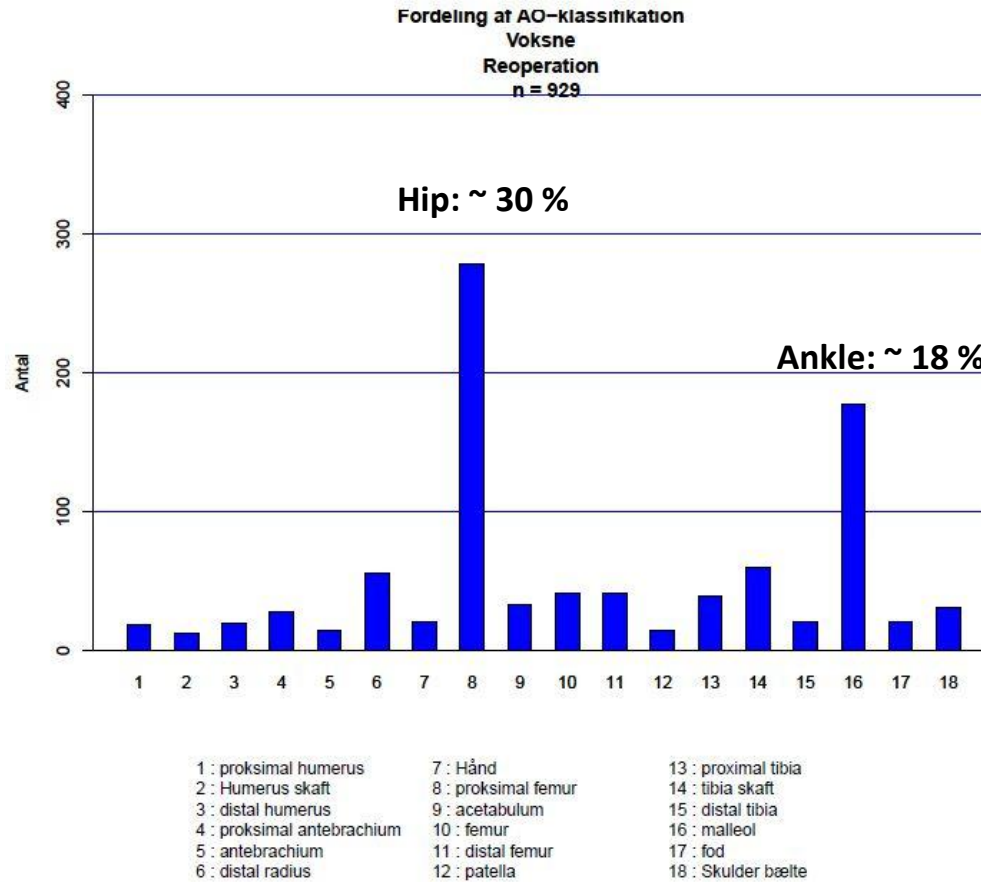


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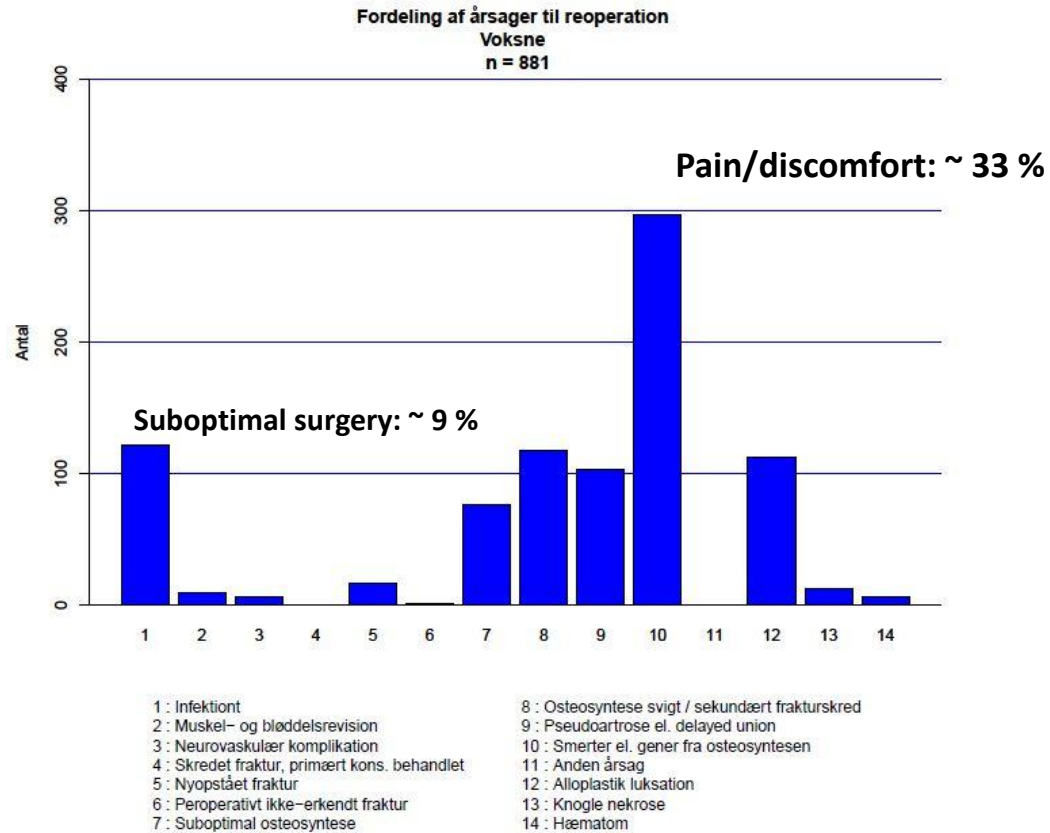


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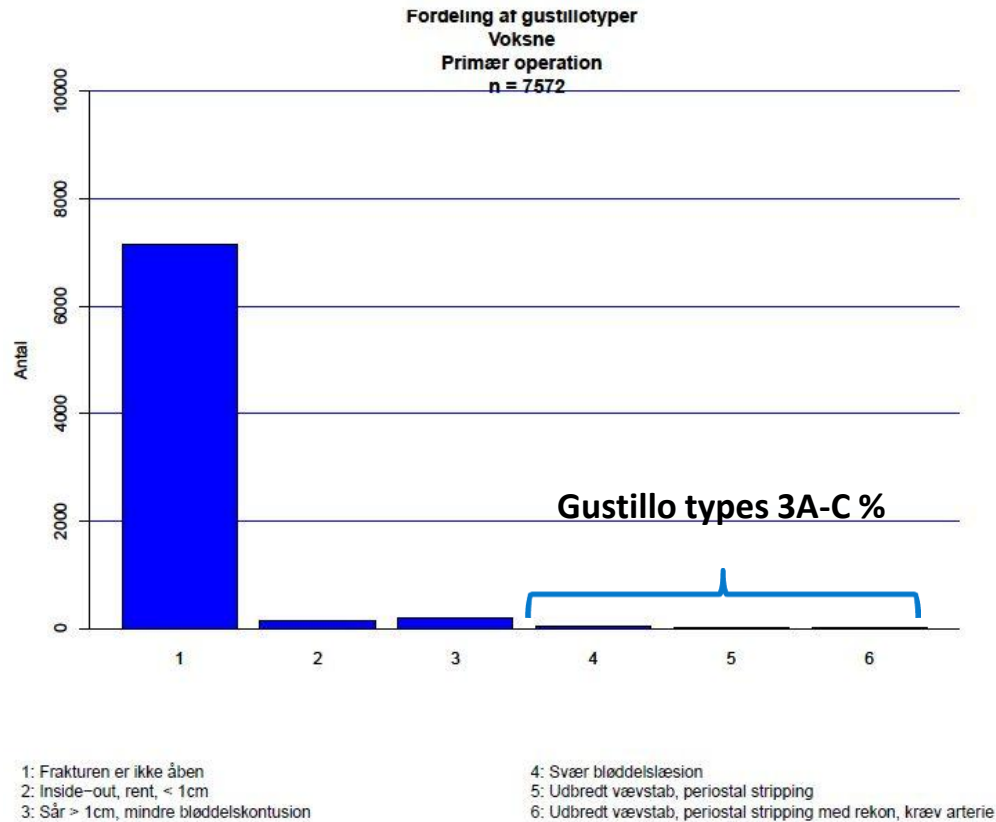


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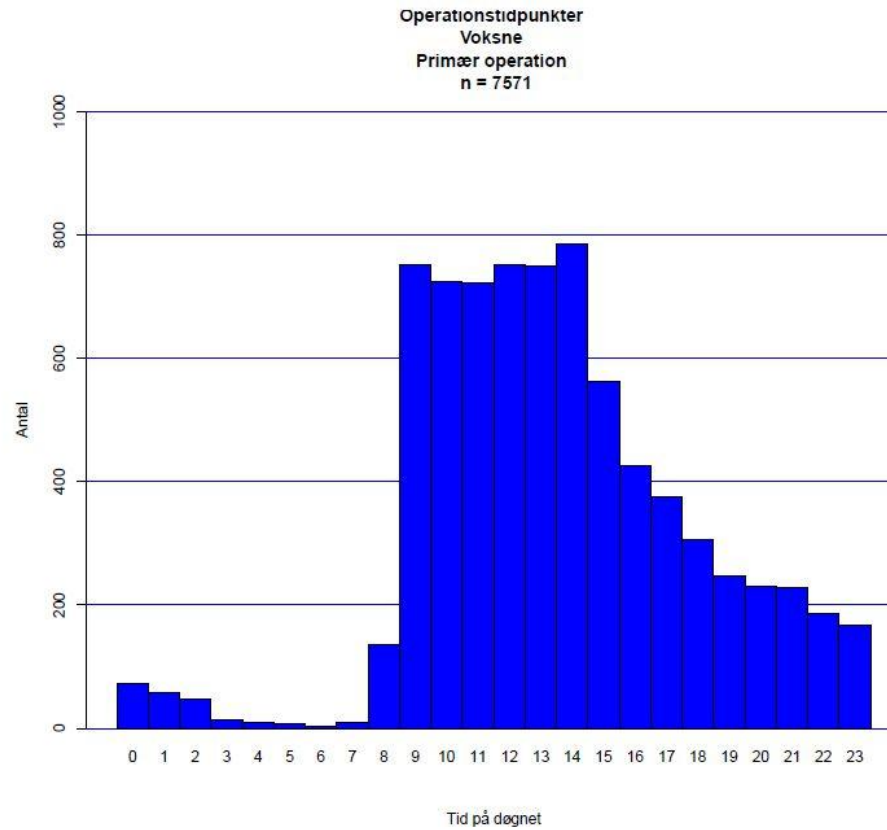


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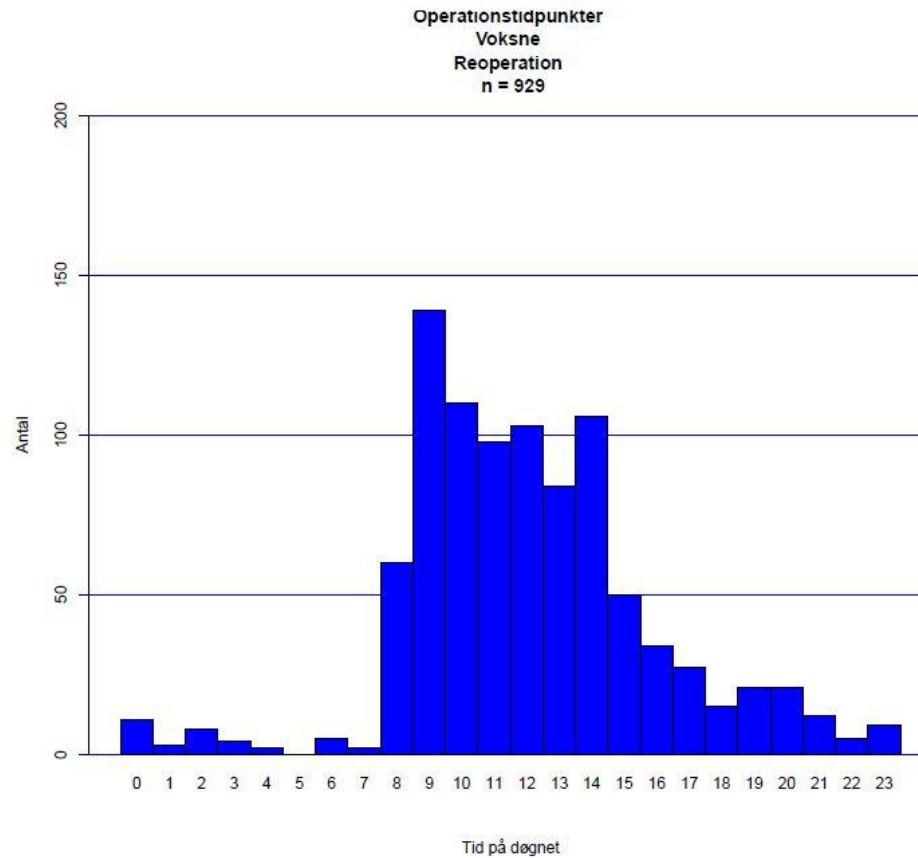


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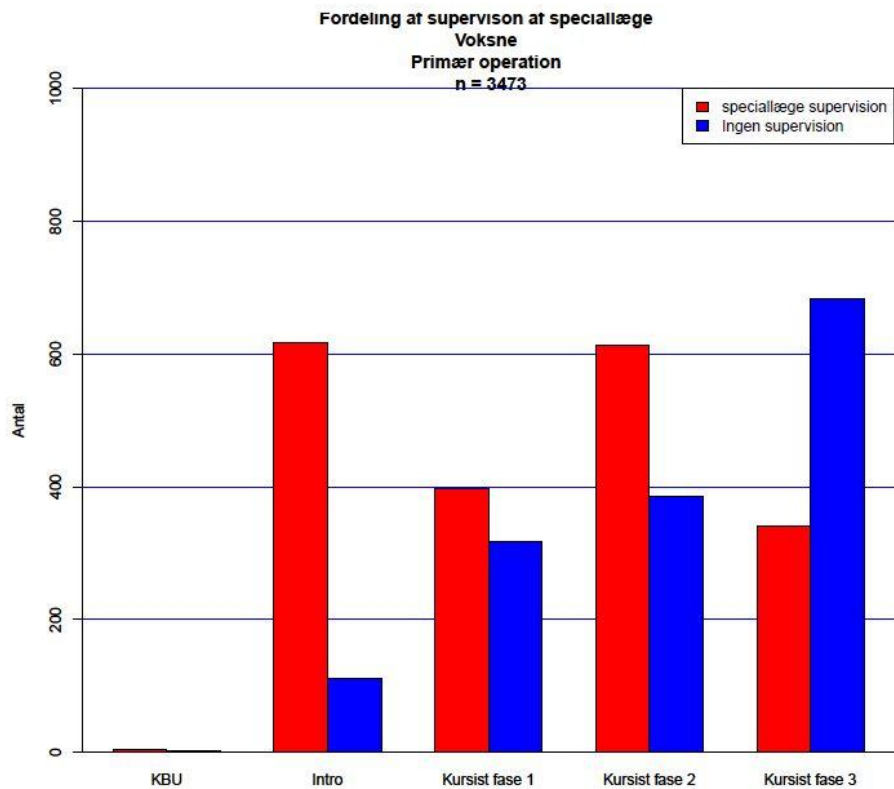


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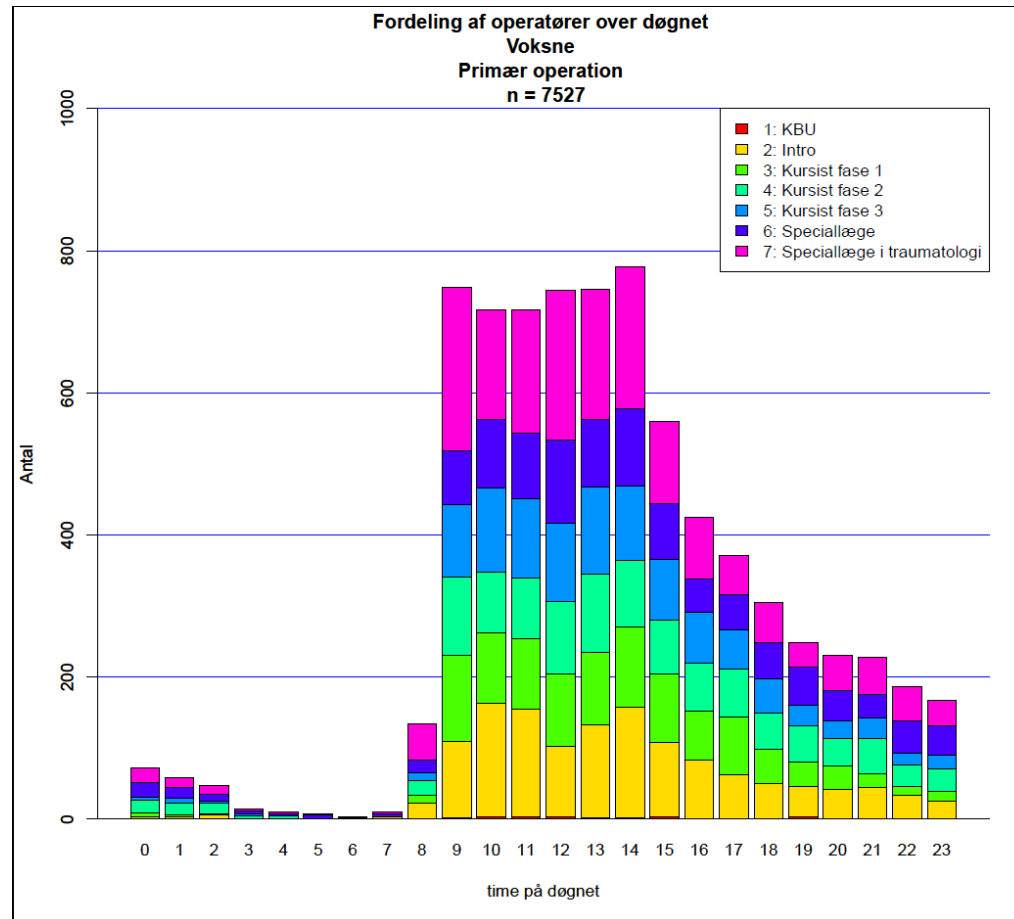


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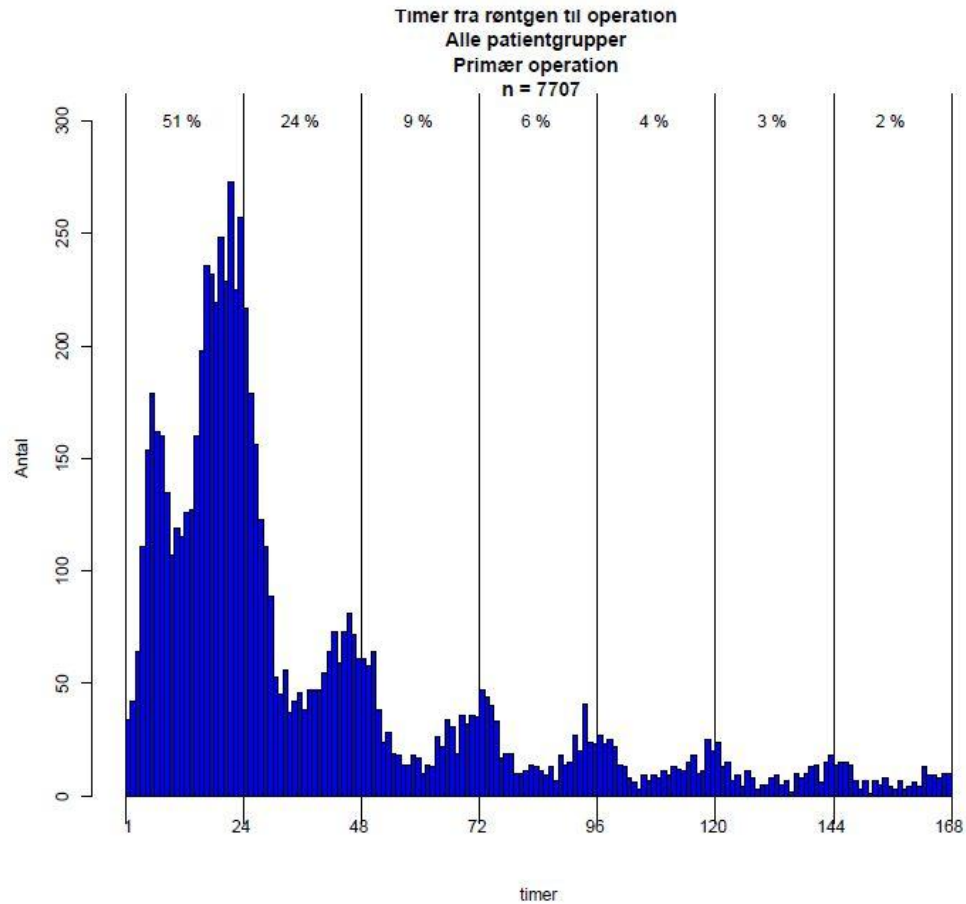


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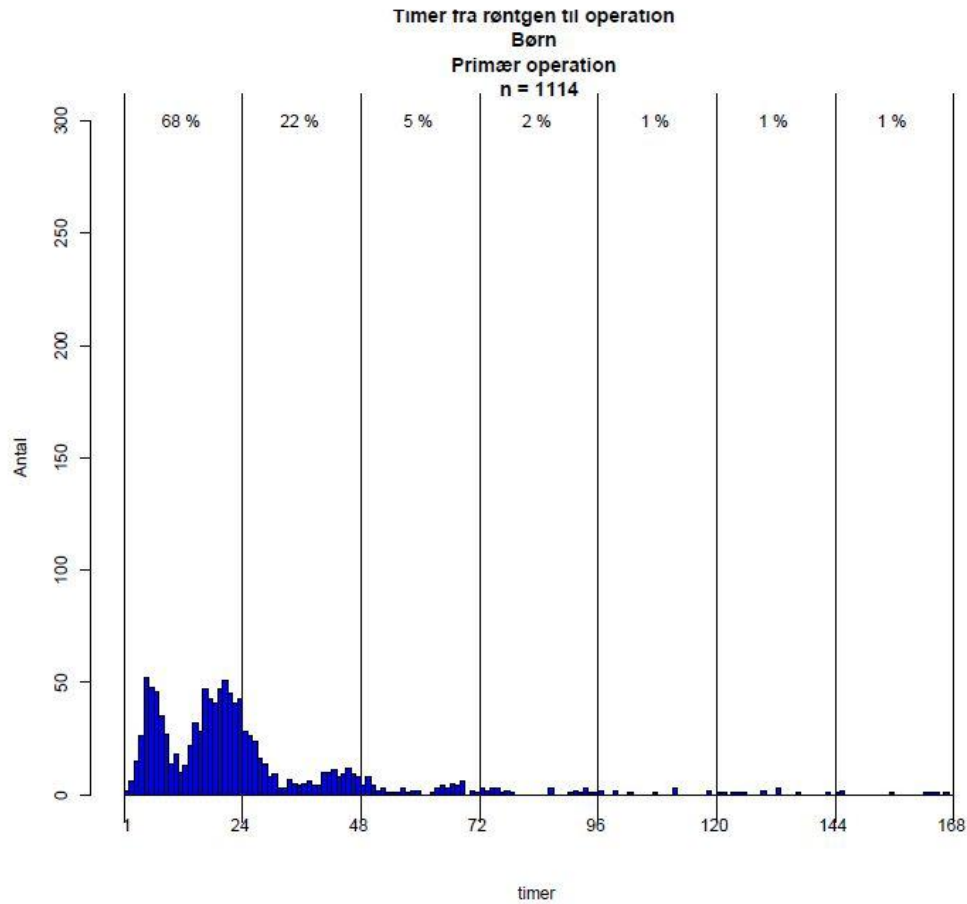


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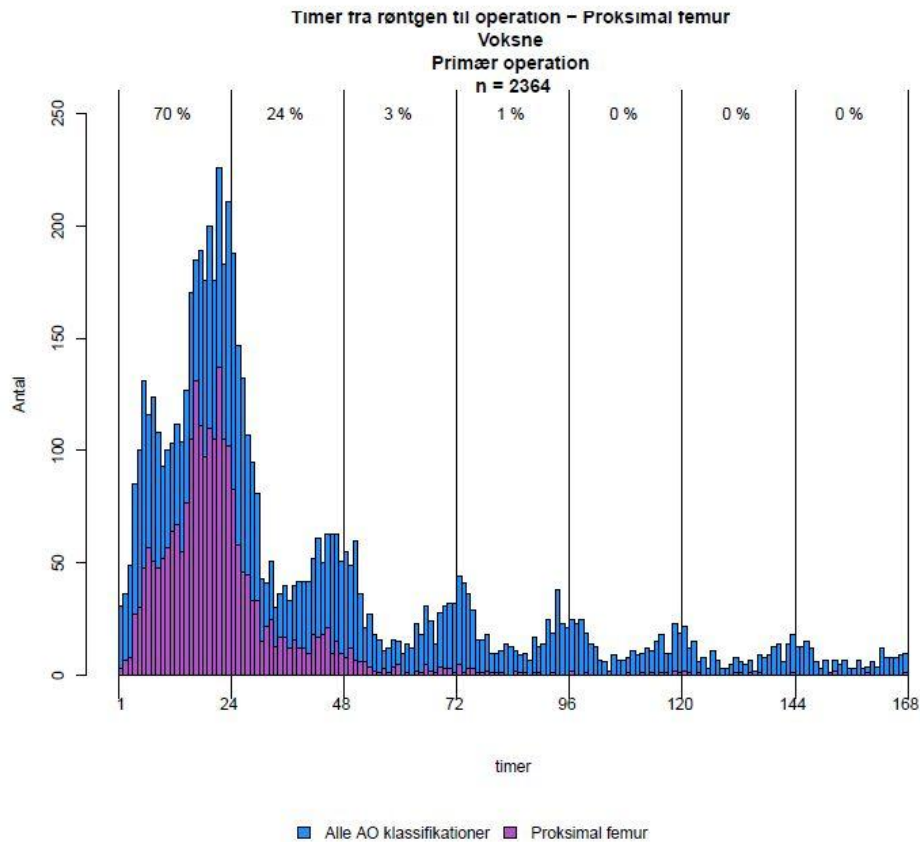


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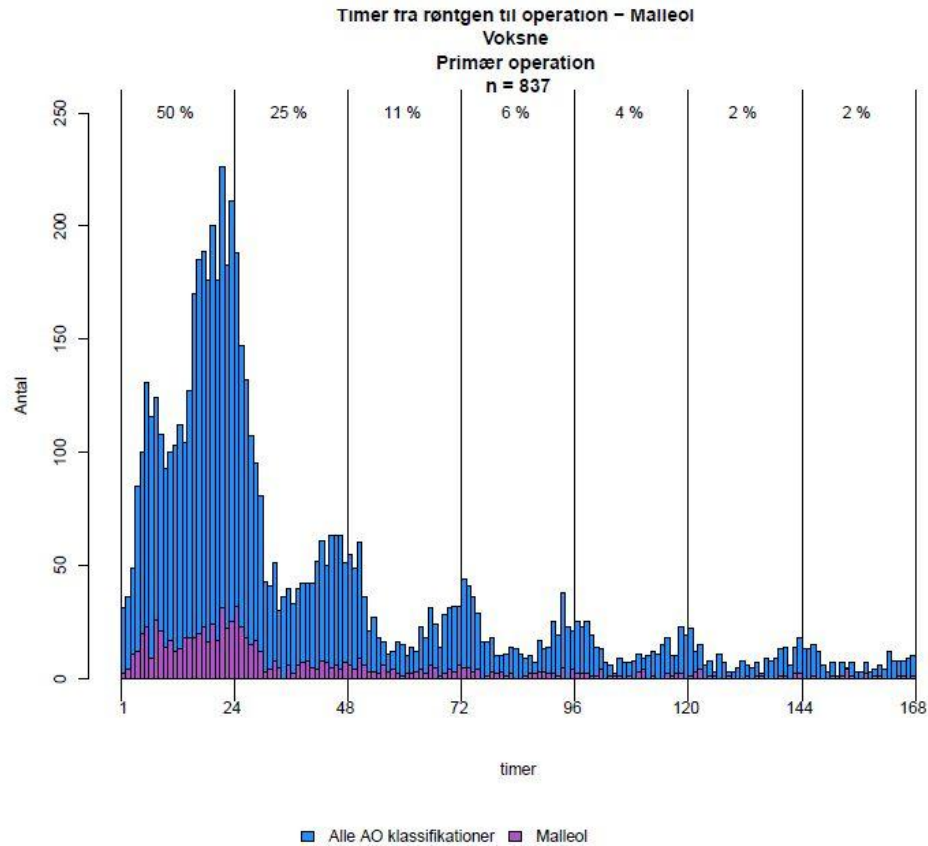


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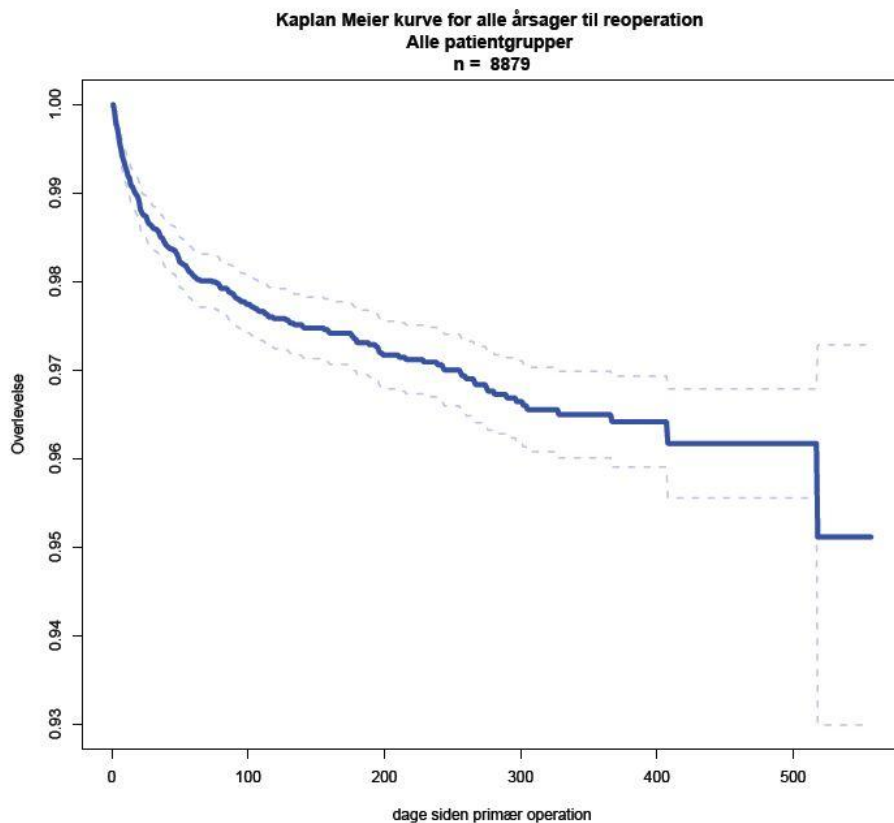


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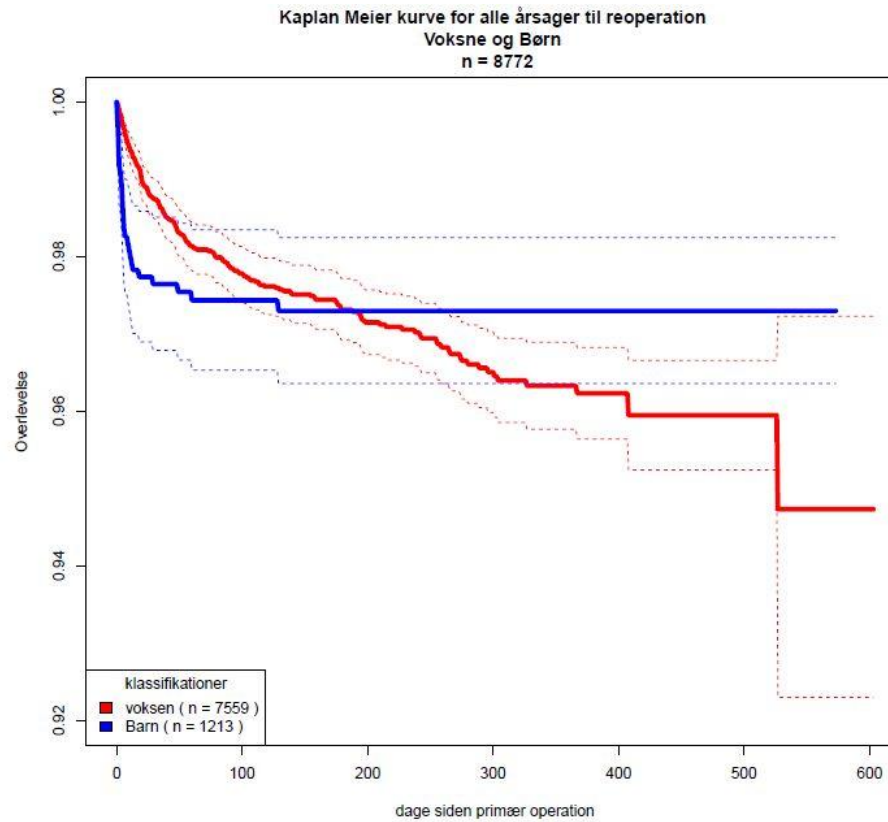


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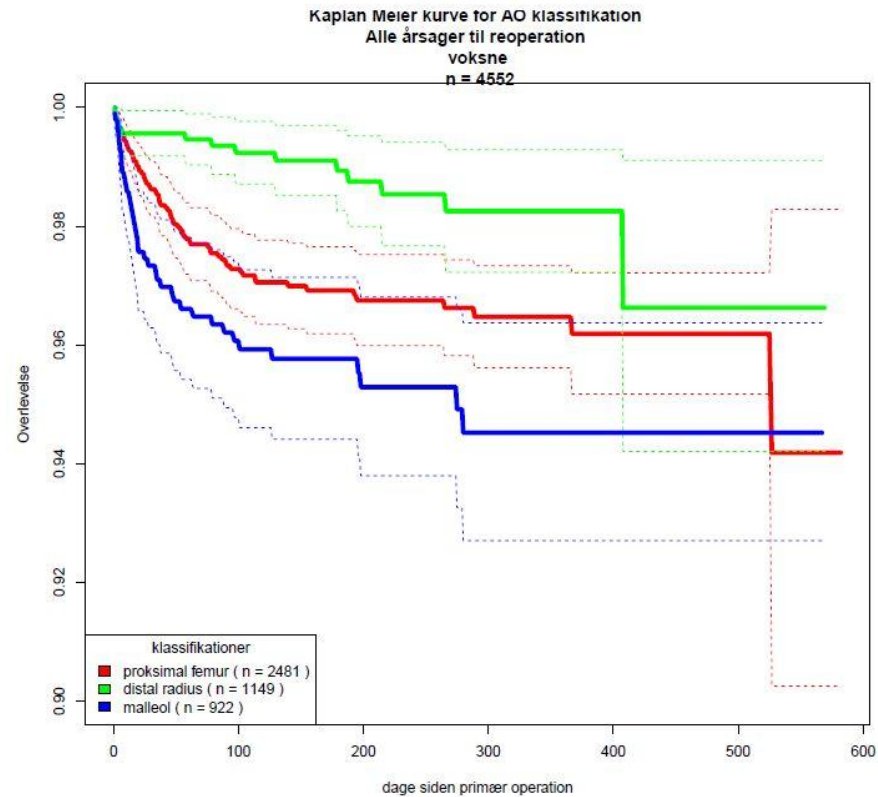


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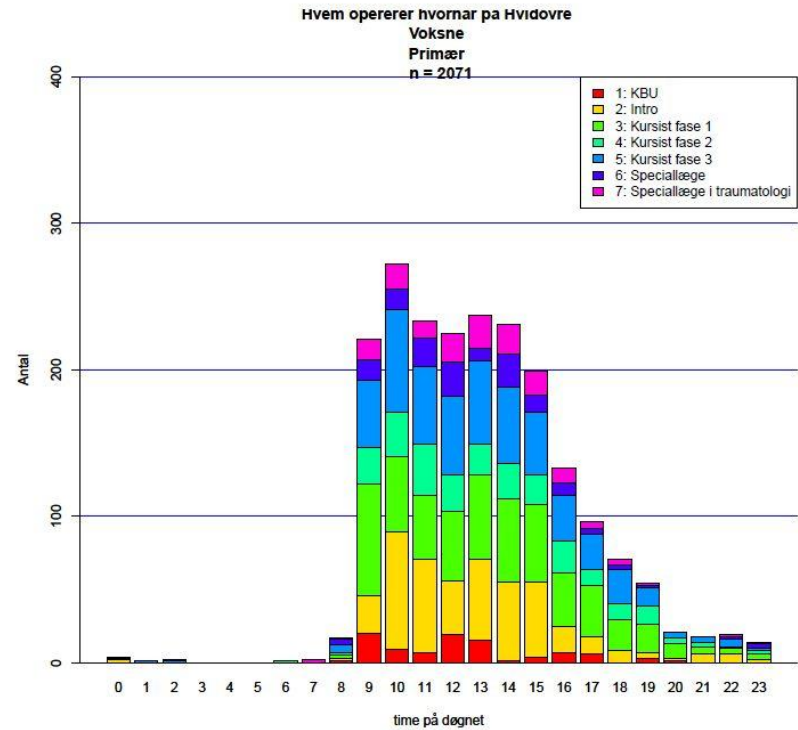
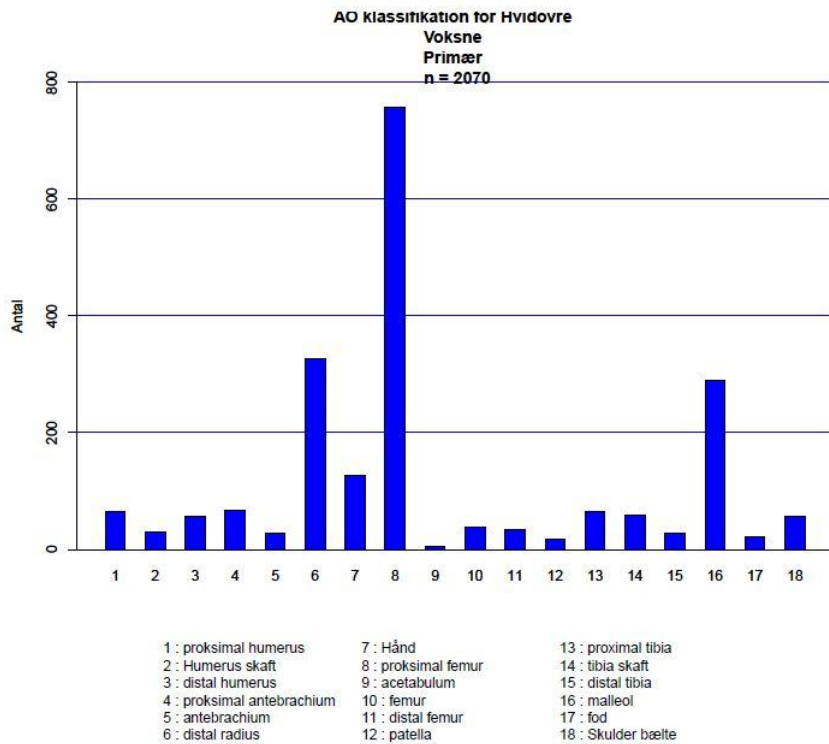


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DFDB hot stuff: Implant scanning/tracing





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- **DFDB Visions:**
 - **National / Nordic / and beyond.... database**
 - **Implementation of HRQoL in outcome assessment**
 - **Implementation of implant tracking**



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- **DFDB 2013:**
 - **Annual Report presented at DOS/DOT annual meeting, Oct. 23, 2013**