

## The Orthopride Hip-Registry

Where are we?

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## The Orthopride Steering Group



Founded in 2017 to analyze and report on data from the Orthopride register

Members 2017:  
 J. Victor (coordinator)  
 D. Zorman, O. Cornu, W. Kurth, F. Verheyden, J. Neyt, T. Scheerlinck

Presidents BVOT/SORBCOT 2017:  
 A. Hébrant, O. Verborgt



**Tine Willems data analyst**

## Orthopride



Belgian National Arthroplasty Registry



- ✓ Started in April 2009
- ✓ Voluntarily registration
- ✓ Internet based with ID control



## Orthopride

<https://www.ehealth.fgov.be/nl>



## Orthopride

<https://www.ehealth.fgov.be/nl>



## Orthopride



Belgian National Arthroplasty Registry

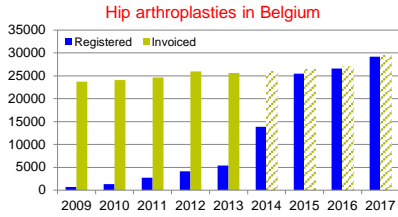


- ✓ Patient & Clinical : ID, age, indication, previous surgery
- ✓ Surgical : Surgeon/hospital, procedure, approach, implant fixation, bone graft, navigation, patient specific instruments
- ✓ Implant : Type/brand, bearing surface, ID



## The Orthopride project

- In 2012 only 1/6 hip and knee arthroplasties registered
- Since July 2014 mandatory registration
- Since Sep. 2015 mandatory and linked to prosthesis reimbursement



## The use of hip arthroplasties in Belgium

The Belgian population was 11 267 910 on January 1<sup>st</sup>, 2016



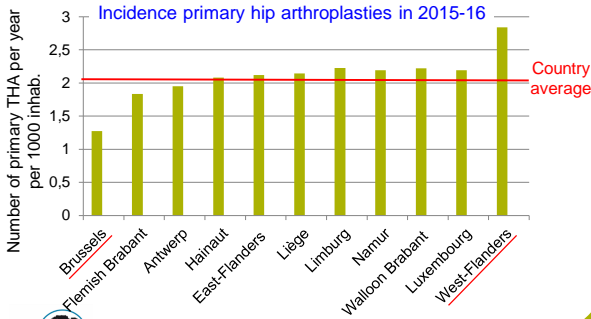
In 2016: 26 571 hip arthroplasties performed  
24 260 primary hip arthroplasties performed

Per year:

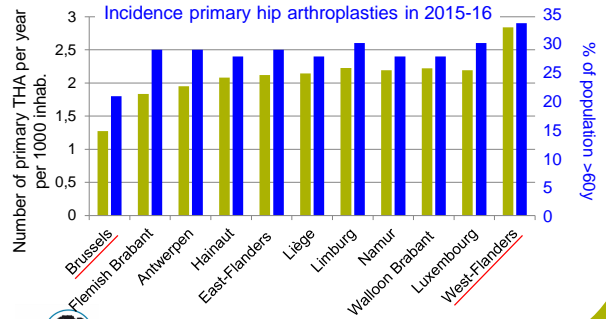
2.36 hip arthroplasties / 1000 inhabitants

2.15 primary hip arthroplasties / 1000 inhabitants

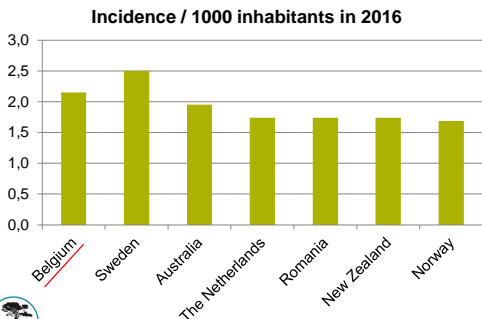
## Primary hip arthroplasties in Belgium



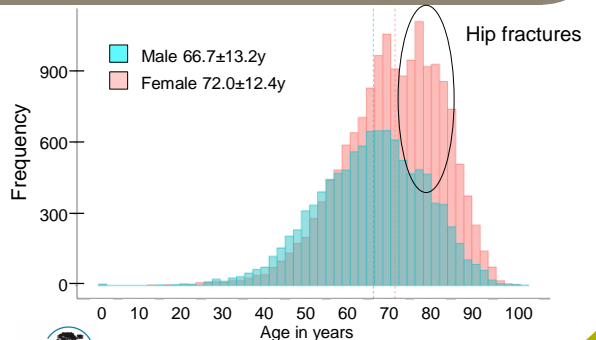
## Primary hip arthroplasties in Belgium



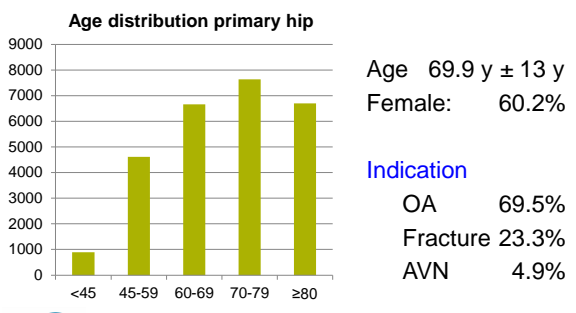
## Primary hip arthroplasties in Belgium



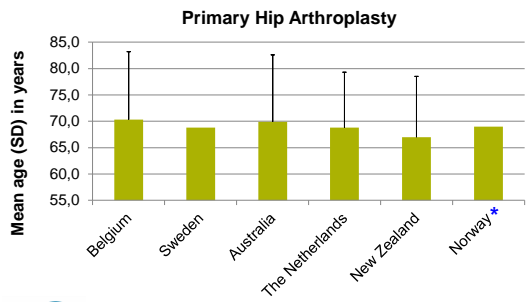
## Age distribution in 2017



Age distribution and indication in 2017

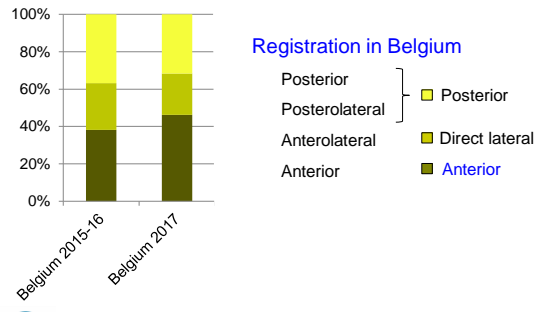


Age in 2016

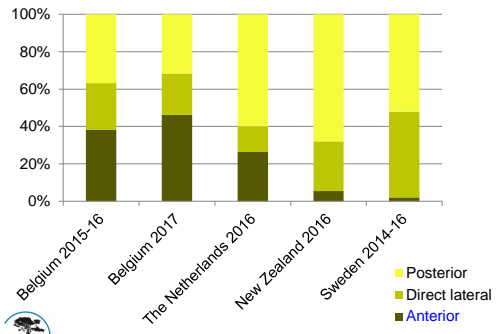


\* Not taking into account hemi-arthroplasties for fractures

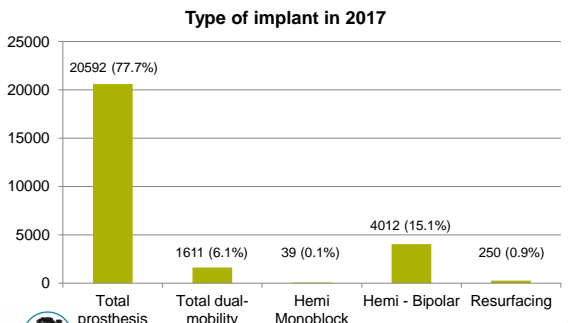
Approach



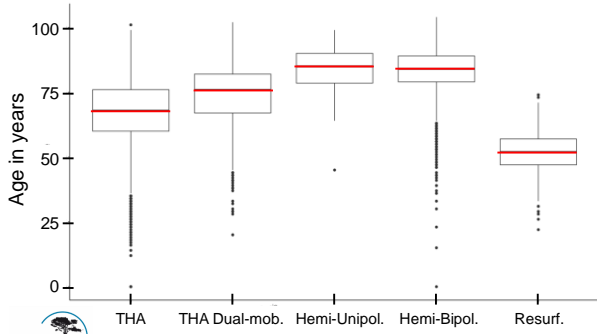
Approach



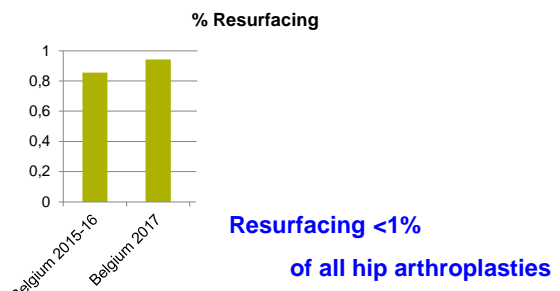
Type of implant



Type of implant age related in 2017

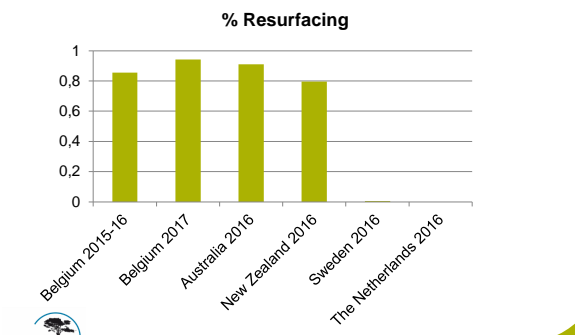


The use of resurfacings

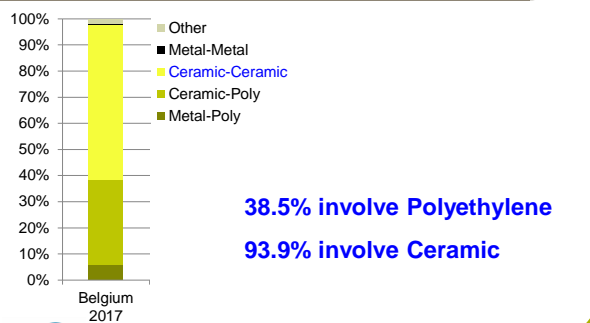


**Resurfacing <1% of all hip arthroplasties**

The use of resurfacings

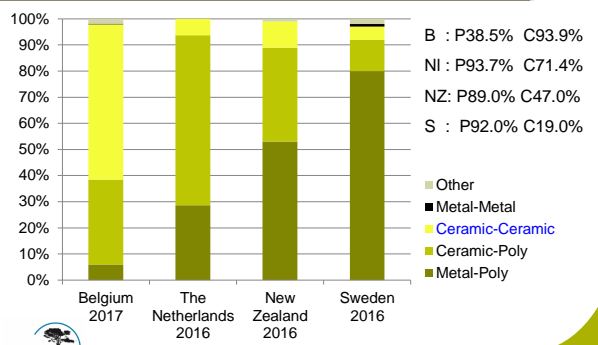


Bearing surface in primary THA



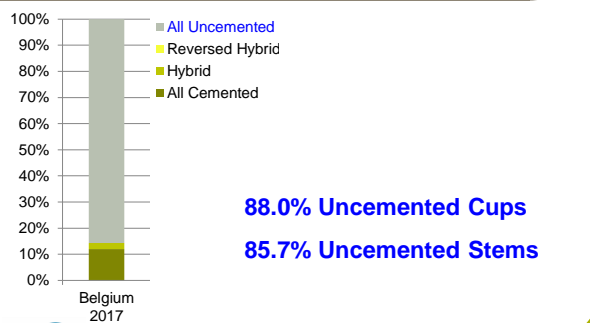
**38.5% involve Polyethylene  
93.9% involve Ceramic**

Bearing surface in primary THA



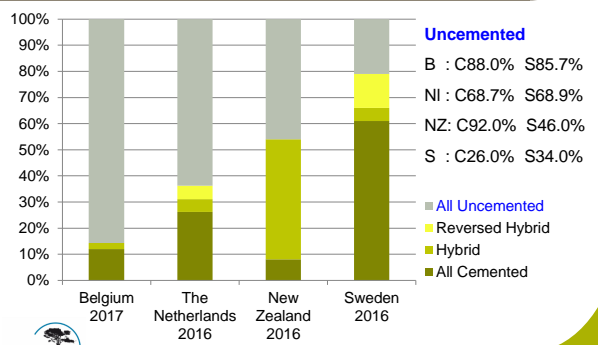
B : P38.5% C93.9%  
NI : P93.7% C71.4%  
NZ: P89.0% C47.0%  
S : P92.0% C19.0%

Fixation in primary THA



**88.0% Uncemented Cups  
85.7% Uncemented Stems**

Fixation in primary THA



**Uncemented**  
B : C88.0% S85.7%  
NI : C68.7% S68.9%  
NZ: C92.0% S46.0%  
S : C26.0% S34.0%

Revision burden per year



Revised implants

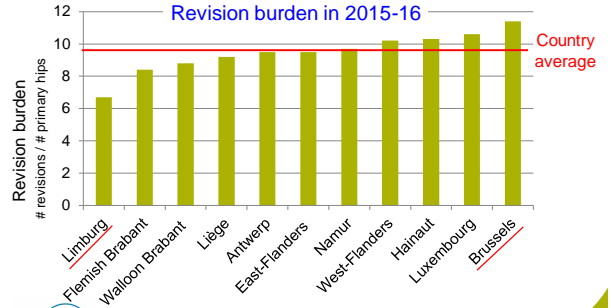


Newly implanted

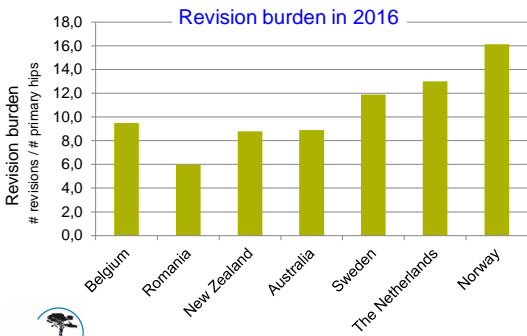
In Belgium 9.5% per year



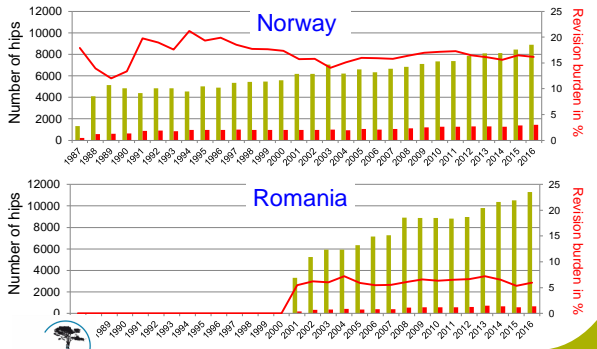
Revision burden in Belgium



Revision burden in Belgium



Revision burden in Norway and Romania



1. Helse Bergen HF et al. Norwegian Arthroplasty Registry 2017  
 2. <http://www.me.ro/me/informativ>

Conclusion



Good data since Sept. 2015



- Early adopters**
- Anterior approach 46%
  - Uncemented 86%
  - Cer-Cer 59%
  - Resurfacing <1%

Active



**Revision burden**  
 9.5% low for country with tradition in THA



2.16 primary hips/1000 inhab. per year  
 Brussels: 1.27 vs. W-Flanders: 2.84  
 Women > Man and more senior (fx)

Conclusion



**Valuable information**  
 Quality control  
 Feedback for surgeons  
 Data for "pay for quality model"?

**Early data**  
 Long-term results needed

**Thank you for your data...**

