

# First Report on Hip Arthroplasty in the European Region Tyrol – South Tyrol – Trentino

Operation Years 2013 - 2017

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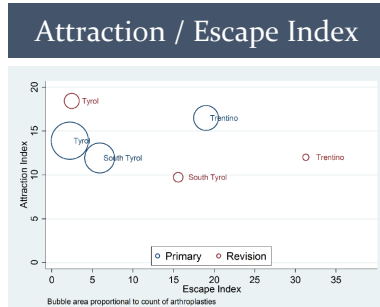
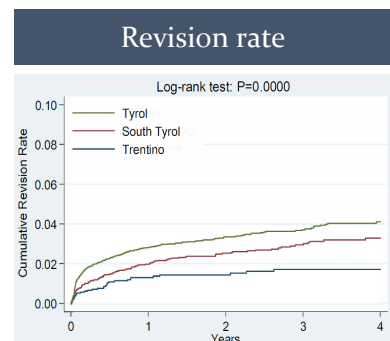
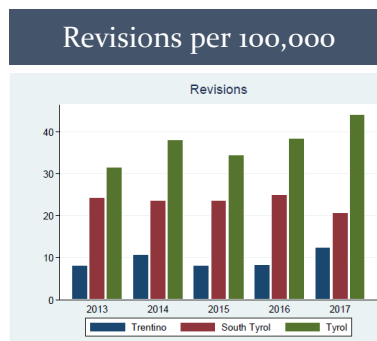
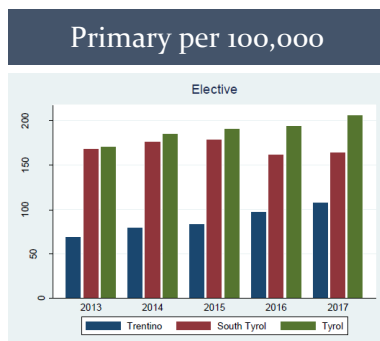
## Introduction

- First cross-border and cross-language comparative report
- European region Tyrol – South Tyrol - Trentino
- 1.8 million inhabitants
- Using arthroplasty registry data
- Years: 2013 – 2017
- ~ 23,800 hip replacement surgeries
- Total of 29 participating departments
- **Aim:** show similarities, differences, strengths and potential for further development and enhancement

## Material & Methods

- Comparison of data from 3 different arthroplasty registries
- Data is transmitted via standardized interfaces and questionnaires
- Completeness and plausibility are routinely validated
- Restriction to resident population
- Calculation of rates, escape and attraction indexes, cumulative percentage probability of revision (CPPR) (95 % Confidence Interval)

## Results



- **CPPR (p<0.001)**
  - Tyrol 4.1 % (3.6 – 4.7)
  - South Tyrol: 3.3 % (2.7 – 4.0)
  - Trentino: 1.7 % (1.2 – 2.4)
- **Revisions**
  - Low escape index for Tyrol; higher escape indices for South Tyrol and Trentino
  - Differences in data completeness
  - Patient-, surgery-, and implant-related factors

## Discussion/Conclusion

- Highlight potential for improvement
- Further analyses strongly encouraged



German

Italian



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