## WENNBERG INTERNATIONAL COLLABORATIVE SPRING POLICY MEETING 2018

Working on avoidable variation among performance of Italian Teaching Hospitals: What is the role of the research activity? Daniel Adrian Lungu

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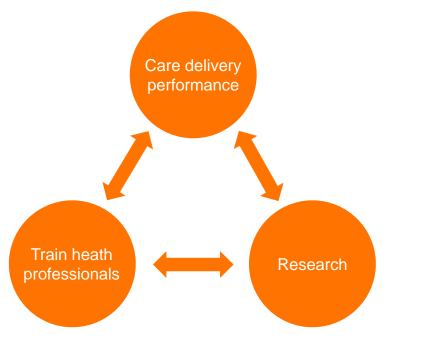


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## The mission of Teaching Hospitals (THs)



#### The Background

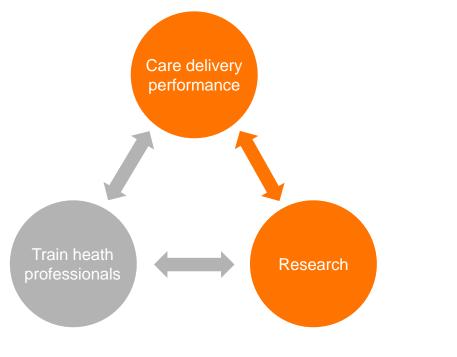
- Care delivery performance: THs vs. General Hospitals
- «Unwarranted variation» in care delivery performance of THs

#### The research question

 Which is the relationship among the 3 pillars?



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#### The Background

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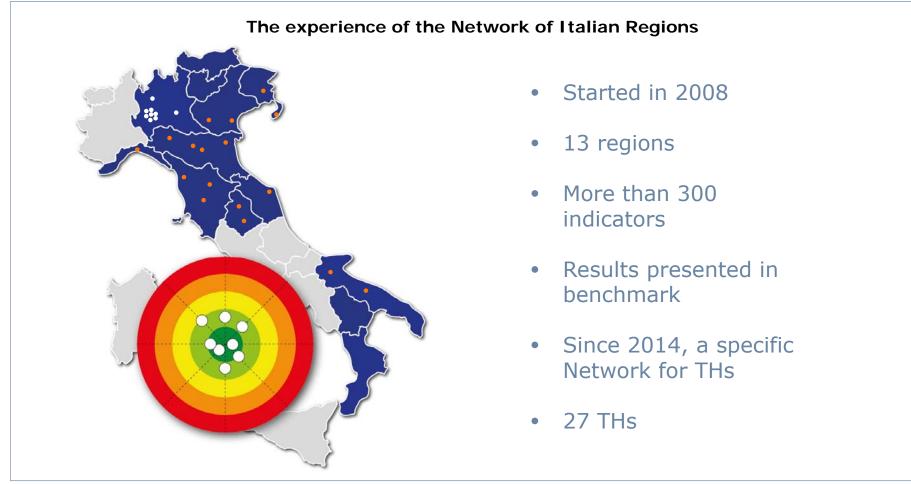
#### The research question

 Which is the relationship among the 3 pillars?

*RQ:* Is there a relationship between care delivery performance of THs and their research activity?



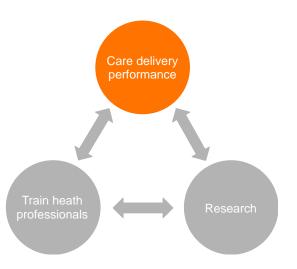
## The starting point

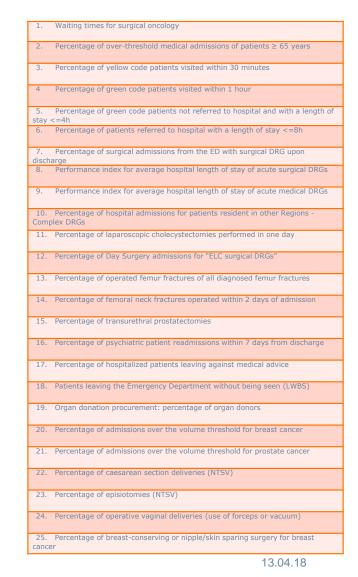




## Methods (1)

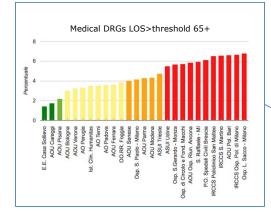
- Data **17** THs
- Year 2016
- 25 indicators covering multiple dimensions
- Evaluation from 1 to 5 based on benchmarking
- Created a composite indicator of care delivery performance by the arithmetic average of 25 single indicators

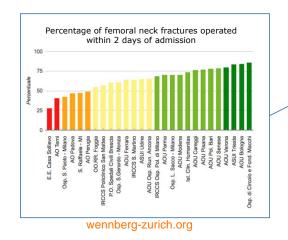


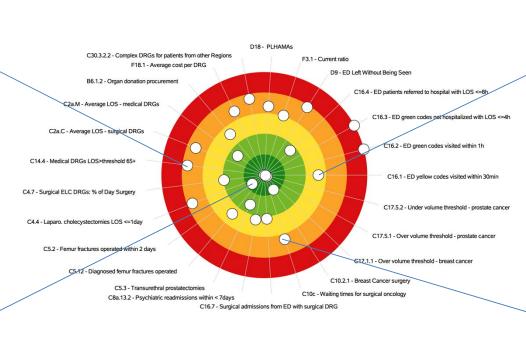


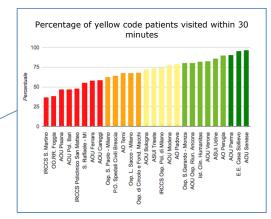


## Methods (2)









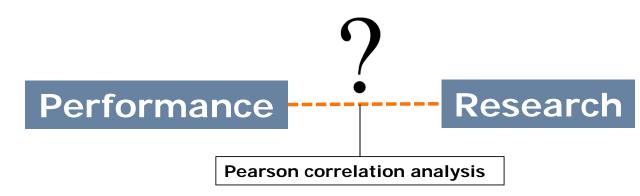


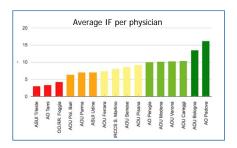


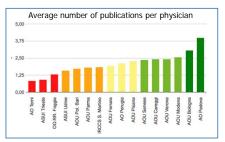
## Methods (3)

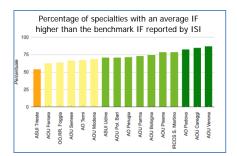
- 2014-2016 Web of Science publications
- **14.000**+ physicians, both academic and nonacademic
- **30.000**+ publications analysed
- 4 indicators

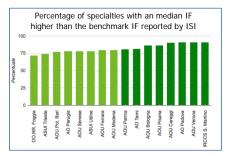






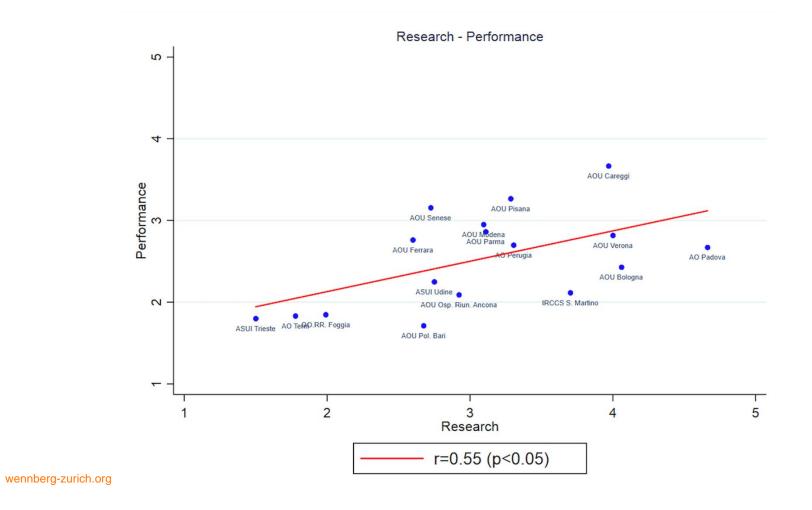






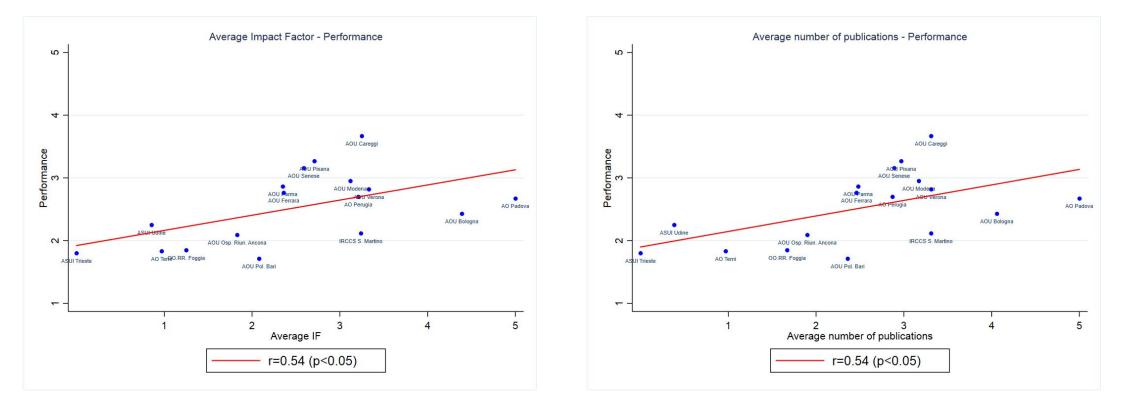


# Research – Performance (1)





## Research – Performance (2)



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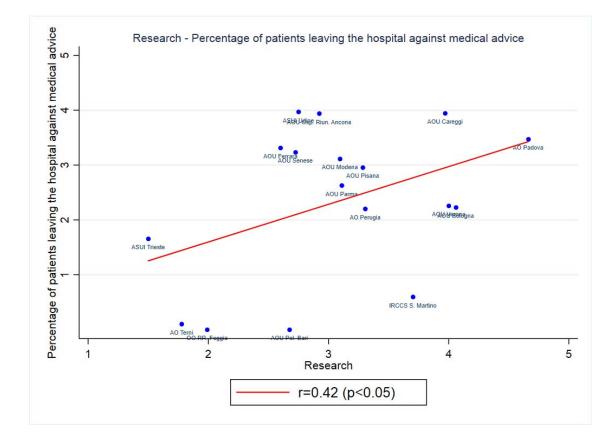
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- Patient satisfaction
- Attractions
- Financial sustainability
- Collaboration between academic and not academic researchers

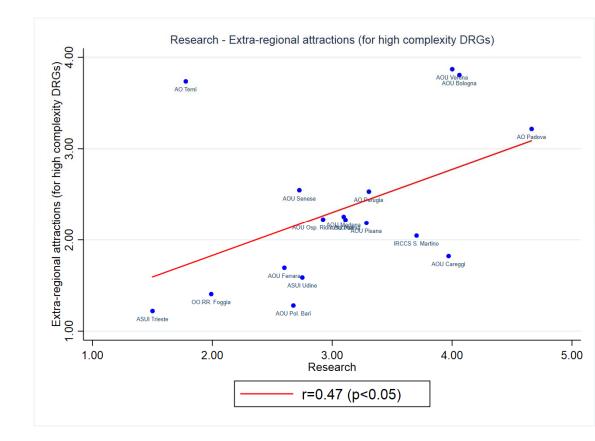


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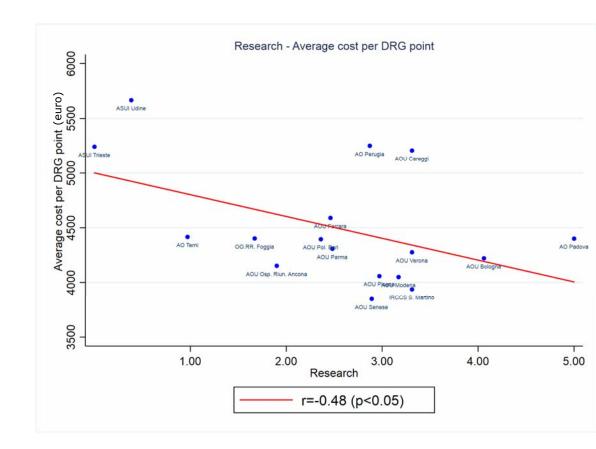


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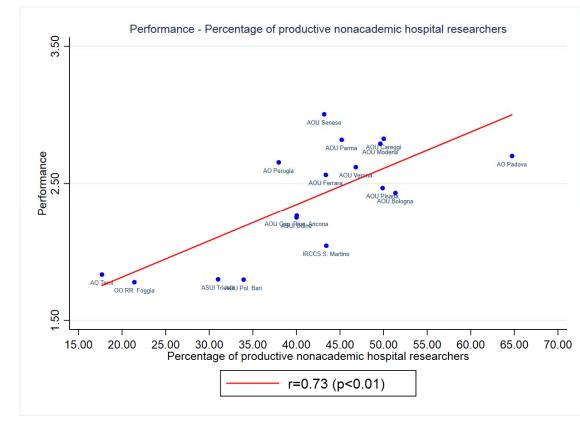


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\* productive = at least 1 publication between 2014-2016



## Conclusions

## What is the role of research in THs?

- The research is a driver of care delivery performance as performance is a driver of good research activity
- Financing THs research in the long run can have a positive impact on performance, outcomes and financial sustainability
- The capacity to work together between academic and nonacademic researchers may be the driver of the virtuous circle that can link together research and care delivery performance.



- $\checkmark\,$  Add observations from other 10 THs
- ✓ Run trend analysis
- ✓ Dig deeper into single medical specialties







**Smarter Health Care** National Research Programme



