

# Publications output of the 32 French University Hospitals\* (CHUs): Key figures

## INDICATORS

**OUTPUT**

Number of original articles. Reviews, Letters and Editorials are not taken into account.

**INTERNATIONAL COLLABORATION**

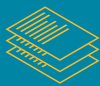
Percentage of papers co-authored by researchers from two or more countries.

**CATEGORY NORMALIZED CITATION IMPACT**

The actual count of cites per paper is divided by the expected citation rate for documents with the same document type, year of publication and subject area.

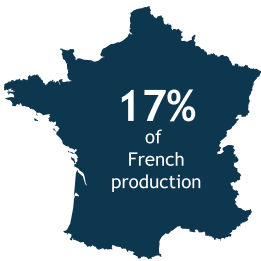
**TOP 10% AND TOP 1%**

Percentage of papers belonging to the world top 10% and top 1% most frequently cited, as compared with other publications in the same field, same year and same document type.



## UNIVERSITY HOSPITALS A MAJOR PLAYER OF THE FRENCH RESEARCH LANDSCAPE

### France



University Hospitals contribute to about 17 percent of the total national publication production, the share remains quite stable over the analysis period. These publications account for 21% of citations received by all the papers co-authored by the French researchers, this share grows during the study period. This finding is consistent with other data showing the increase of the CHUs' citation impact over the 10-years period. As expected, the **MEDICAL AND HEALTH SCIENCES<sup>1</sup>** category accounts for 90% of the University Hospitals' overall output. In this field, the share of the national production amounts to 30% while the share of citations is 45%.

<sup>1</sup> OECD classification

7%  
of publications

8%  
of citations

### Europe

Europe: The share of the French University Hospitals in the **MEDICAL AND HEALTH SCIENCES** of the EU28.



## IMPACT

THE GROWTH RATE OF THE CITATION IMPACT IS HIGHER THAN THE GROWTH RATE OF THE OUTPUT

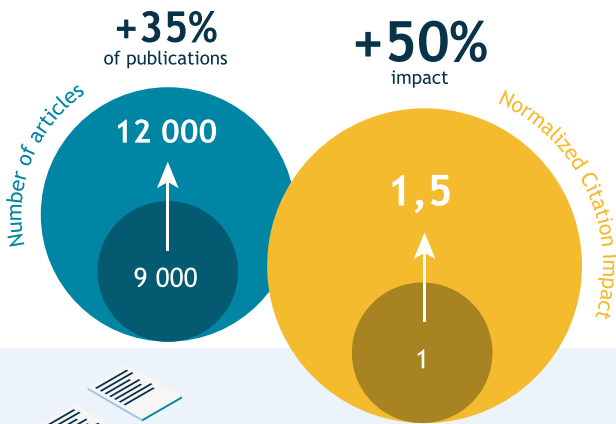


## VISIBILITY

AND IMPACT COMPLY WITH THE UNIVERSITY HOSPITALS' CORE ASSIGNMENTS: TEACHING, RESEARCH AND KNOWLEDGE TRANSFER

### In 10 years (2006-2015):

In 10 years, the annual output increased from 9000 to 12000 papers (+ 35 %) while the citation impact<sup>2</sup> has increased by more than a half, from 1.04 (nearly the average world level) to 1.59.

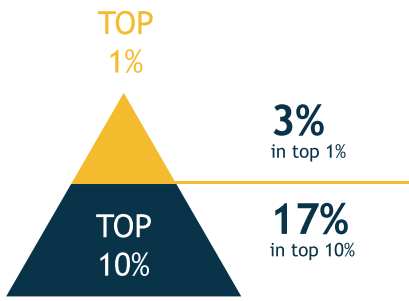


Researchers affiliated with University Hospitals contributed to + than 110 000 articles.

<sup>2</sup> Category Normalized Citation Impact

The University Hospitals' triple mission of health care, research and teaching results in a heterogeneous publication output:

### Papers ranking between the world's most cited



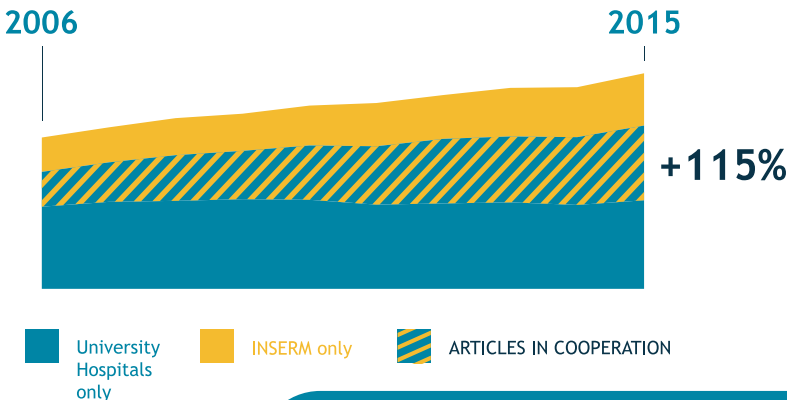
knowledge transfer or educational papers of less important citation impact

This heterogeneity explains the fact that the University Hospitals' impact in **MEDICAL AND HEALTH SCIENCES** field remains below the national average despite the constant increase over the last 10 years, from 1.1 to 1.8.



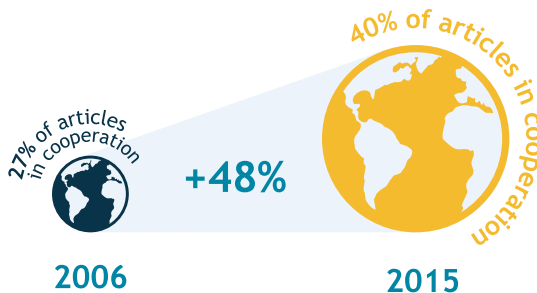
## COOPERATION GROWING IN FRANCE...

Inserm is the main research partner of University Hospitals. This collaboration grows steadily: the volume of co-authored papers has more than doubled over the last 10 years. The share of co-authored papers grows faster than each partner's own production. In 2015 the share of co-authored papers represents 46% of the University Hospitals' output and 59% of the Inserm's publications.



## ... AND INTERNATIONALLY

Internationally co-authored articles gain better visibility, their impact is higher than the overall University Hospitals' portfolio's average.

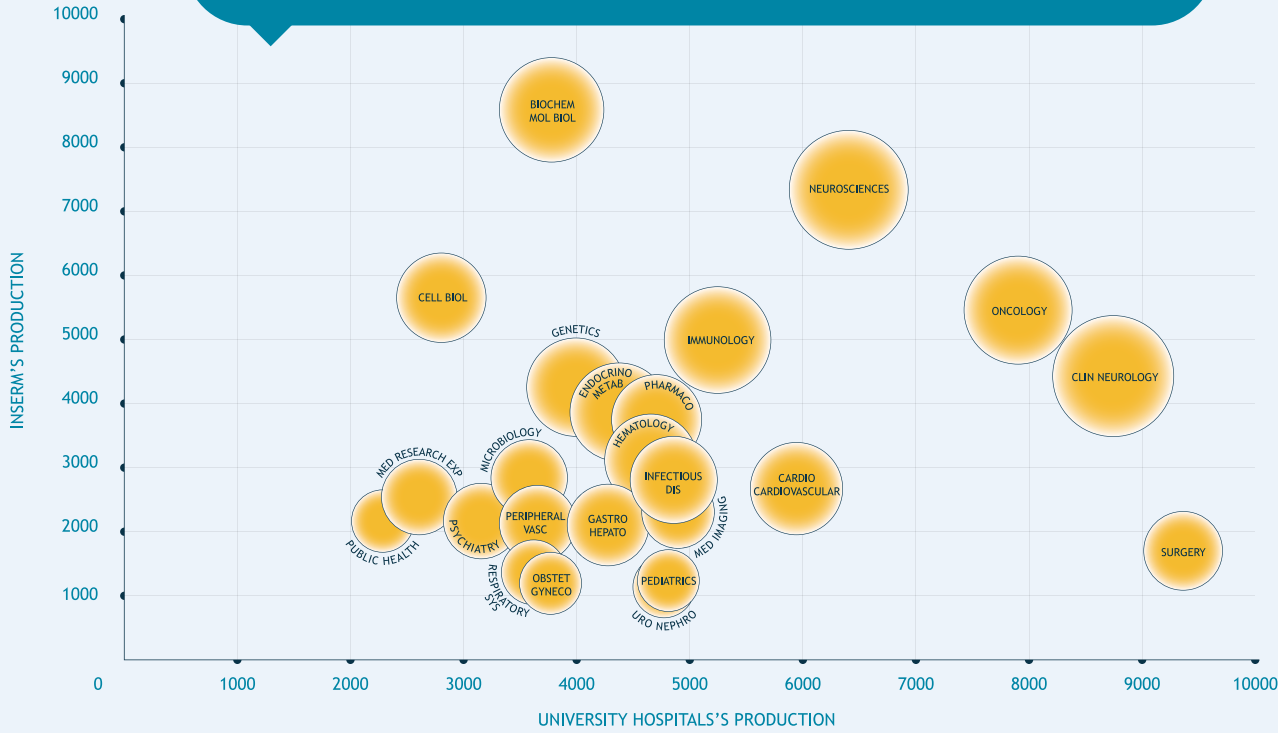


In comparison, the share of internationally co-authored articles in the Inserm's output rose from 44 to 51%.



## SUBJECT AREAS

SUBJECT BREAKDOWN OF THE PAPERS RESULTING FROM THE UNIVERSITY HOSPITALS - INSERM COLLABORATION SHOWS BOTH THE MAIN FOCUSES OF COMMON RESEARCH AND THE AREAS WITH PREDOMINANT WEIGHT OF EACH PARTNER



The bubble size represents the volume of papers resulting from the Hospital-Inserm collaboration. The x- and y- axes plot respectively the production of University Hospitals and Inserm per area. Data sources : Web of Science

UNIVERSITY HOSPITALS ALSO COOPERATE WITH:



(Centre National de la Recherche Scientifique)

x3

The volume of co-authored papers increased threefold over the past 10 years, representing approximately 20% in the overall University Hospitals' portfolio in 2015.



(hospital group of 20 French private, non-profit Comprehensive Cancer Centers)

7%

The volume of co-authored papers has nearly tripled, reaching 7% of the University Hospitals' production toward 2014-2015.

## METHODOLOGY

Released in July 2017 // Period of analysis: 2006-2015 // Data sources: Web of Science, InCites (Clarivate Analytics) // Publications of French University Hospitals have been collated from the unified records of 32 CHU available from Organization Enhanced field. Due to the ongoing addresses consolidation in Web of Science, the figures are subject to change. // Indicators are calculated as full counts \*The study encompasses the 32 French University and Regional Hospitals (hereafter "University Hospitals")