

Schulthess Clinic



**Bibliometric support
for Evaluation of Research
at Schulthess Clinic
2010-2023**

Produced by:



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Key Definitions and Methods

Coverage of the Report

- **2010–2023**
 - **WoS** Articles, Reviews, and Letters with AIS
-

Typology of Disciplines

- **WoS categories:** Web of Science typology
-

Meaning of Colors in Figures

- **Green** : Persons or Authors
 - **Blue** : Outputs with AIS
 - **Beige** : Productivity per author
-

Authors

- **Authors:** counts by full names in **WoS** publications
 - **Authors specialized in a field:** counts of authors who dominantly (the largest share or at least 30% of own coauthored output) publish in a field
-

Outputs

- **AC-Outputs:** Absolute (physical) counts of research outputs
 - **Outputs with AIS:** Scientific publications in WoS journals with AIS
 - **Large author consortia:** Groups of >30 co-authors
-

WoS Journal Influence – Importance

- **Scientific quality** of each WoS Article or Review is inferred from the journal's influence measured by its Article Influence Score (AIS).¹

¹ The top decile (top 10%) and quartile (top 25%) of journal rankings are distinguished according to AIS values within the given WoS category into which a journal is assigned to in the JCR (yearly editions).

Key Definitions and Methods

Benchmark Institutions

- **Balgrist:** Balgrist University Hospital, Zürich, Switzerland
 - **Univ Bern:** Department of Orthopedic Surgery and Traumatology, University Hospital Bern, Switzerland
 - **Univ Basel:** Clinic for Orthopaedics and Traumatology, University Hospital Basel, Switzerland
 - **Univ Geneva:** Orthopedics and Trauma Service, University Hospital Geneva, Switzerland
 - **HSS:** Hospital for Special Surgery, New York, USA
 - **Mayo Clinic:** Mayo Clinic, USA
-

Thresholds and Their Indication in the Reports

- **Large collaboration:** publication with > 30 co-authors. A special **red** warning note (LC=X%) in Figures shows the share of large collaborations if it exceeds 10% of outputs.
- **Small number of outputs/authors:** when the number of outcomes/authors is less than 10, it is printed in **red** color in all Figures.

Schulthess Clinic across WoS Categories

Fig. 1: Number of Authors Specialized in a WoS Category
(largest share or >30% of author's own coauthored output)

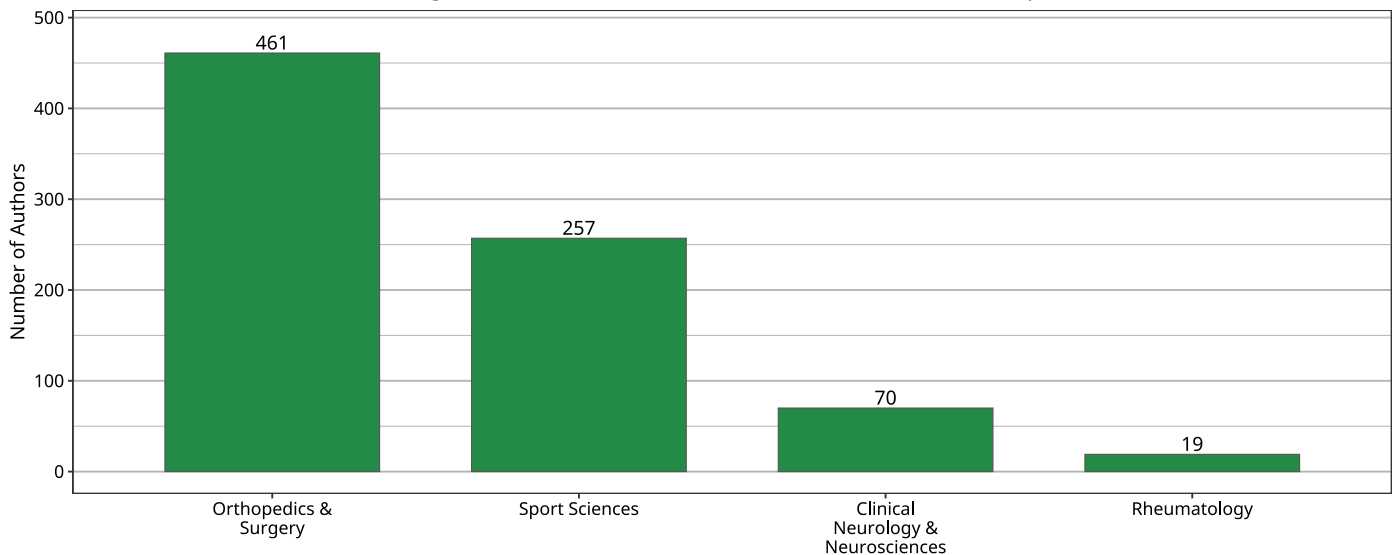


Fig. 2: Number of AC-Outputs by Quartile of Journal AIS

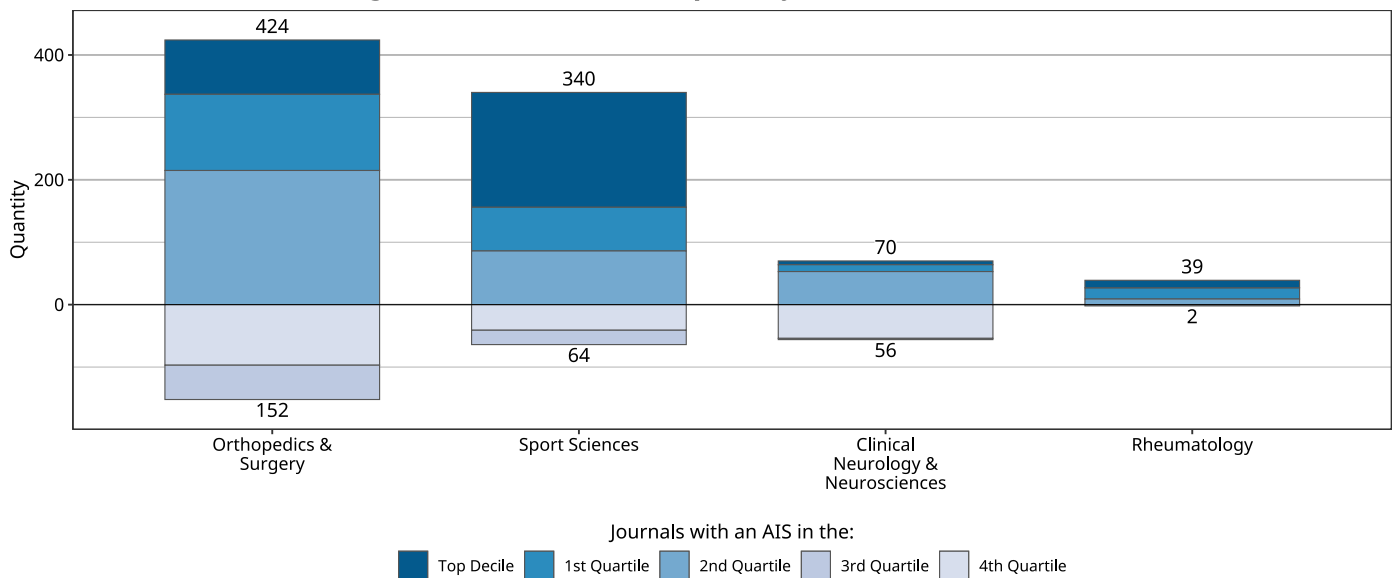
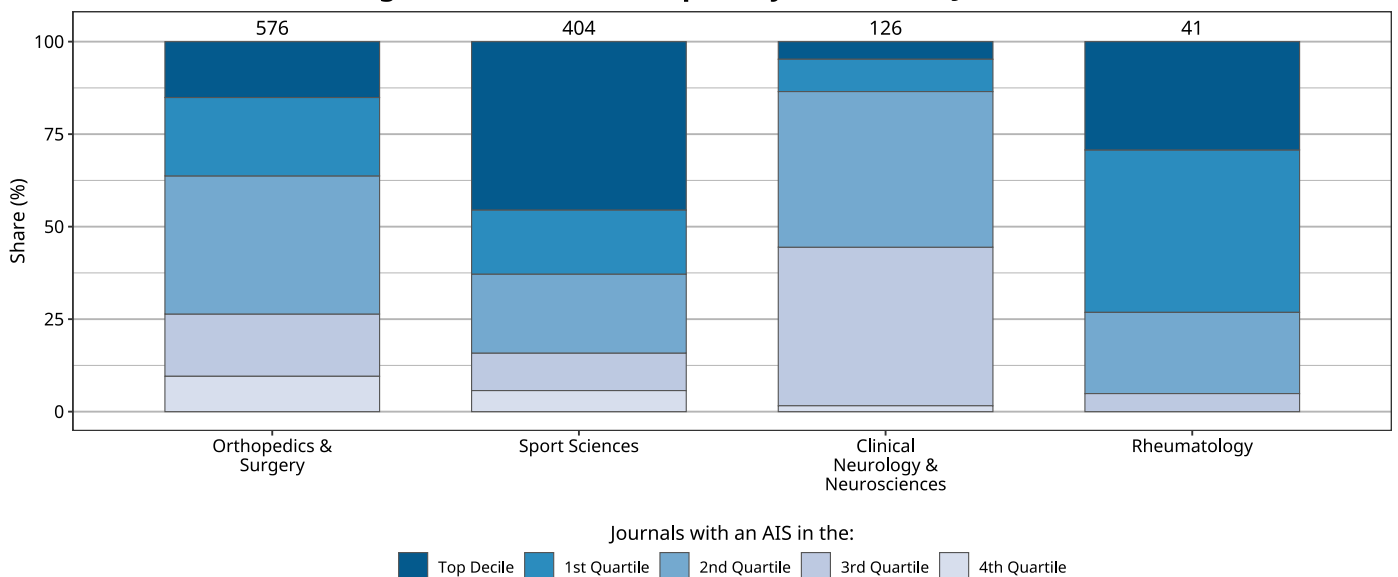
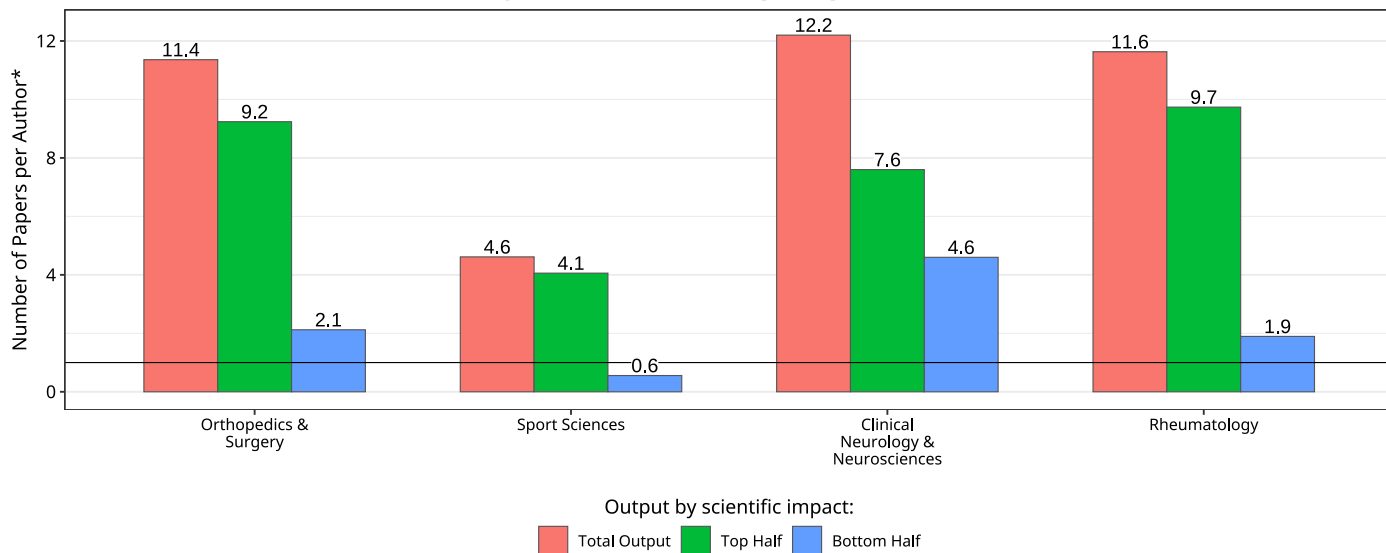


Fig. 3: Shares of AC-Outputs by Quartile of Journal AIS



Schulthess Clinic across WoS Categories

Fig. 4: Number of Papers per Author



*Author specialized in a discipline (largest share or >30% of author's own coauthored output)

Schulthess Clinic across WoS Categories

Tab 1: Number of Outputs in Top Field Journals
(in journals ranked among the top 10 % by their AIS in the WoS field)

Journal name	AIS	Orthop & Surgery	Sport Scien	Clini Neurol & Neurosci	Rheumatology
NEUROSCI BIOBEHAV R	3.6			1	
JAMA NEUROL	3.4			3	
NEUROLOGY	3.0			1	
J NEUROL NEUROSUR PS	2.7			1	
ANN RHEUM DIS	2.5				4
J BONE JOINT SURG AM	2.2	8			
INT J SURG	2.2	1			
J AM COLL SURGEONS	2.1	1			
SPORTS MED	1.7		21		
MED SCI SPORT EXER	1.7		7		
OSTEOARTHRTH CARTILAGE	1.6				8
AM J SPORT MED	1.6		14		
SURGERY	1.4	1			
BONE JOINT J	1.3	6			
J AM ACAD ORTHOP SUR	1.3	2			
CLIN ORTHOP RELAT R	1.3	18			
J SCI MED SPORT	1.3		6		
BRIT J SPORT MED	1.2		135		
J ORTHOP SPORT PHYS	1.1	4			
ARTHROSCOPY	1.1	17			
ARCH PHYS MED REHAB	1.1		1		
Total in Top 10%		58	184	6	12

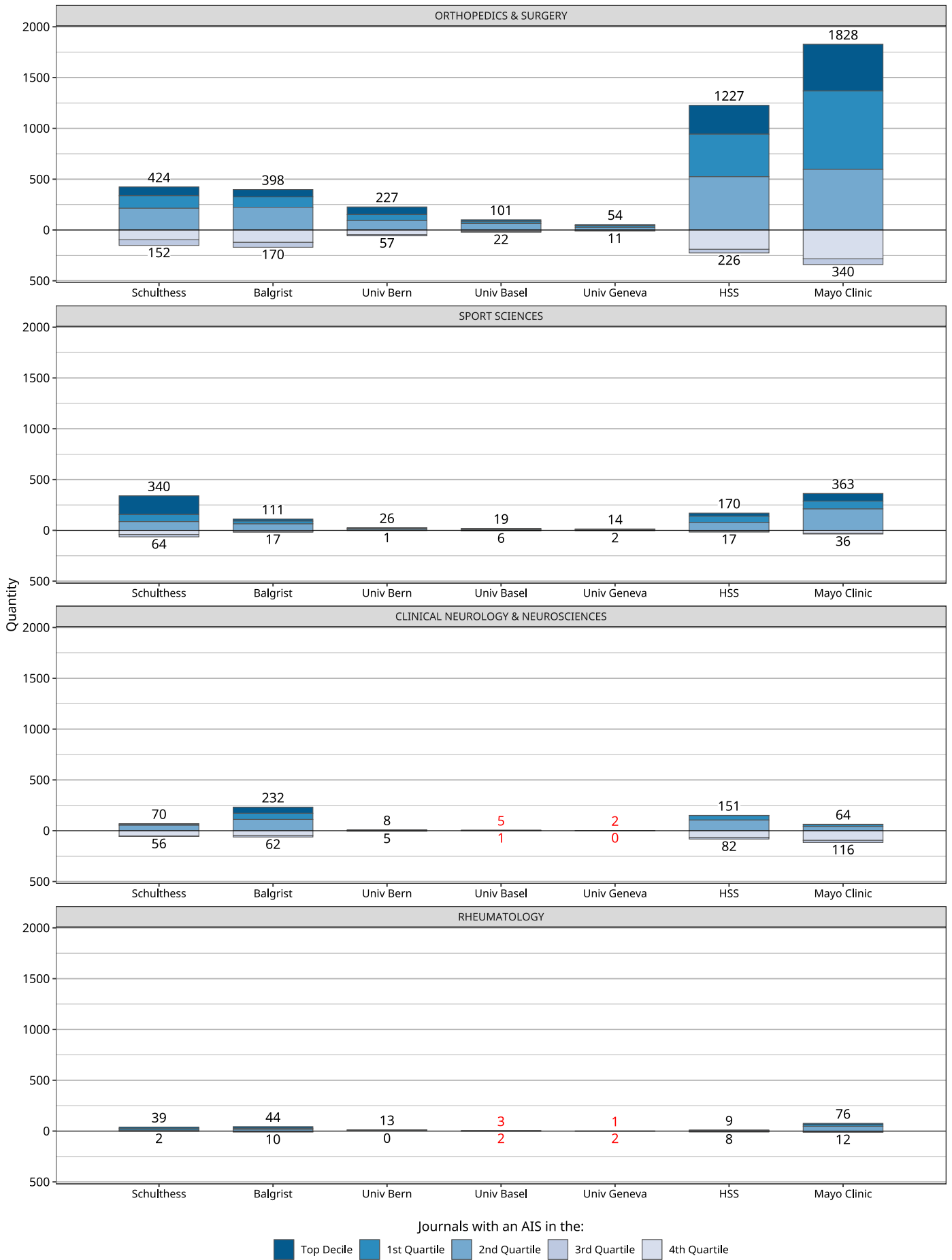
Benchmarking across WoS Categories

Fig. 1: Number of Authors Specialized in a WoS Category
(largest share or >30% of author's own coauthored output)



Benchmarking across WoS Categories

Fig. 2: Number of AC-Outputs by Quartile of Journal AIS



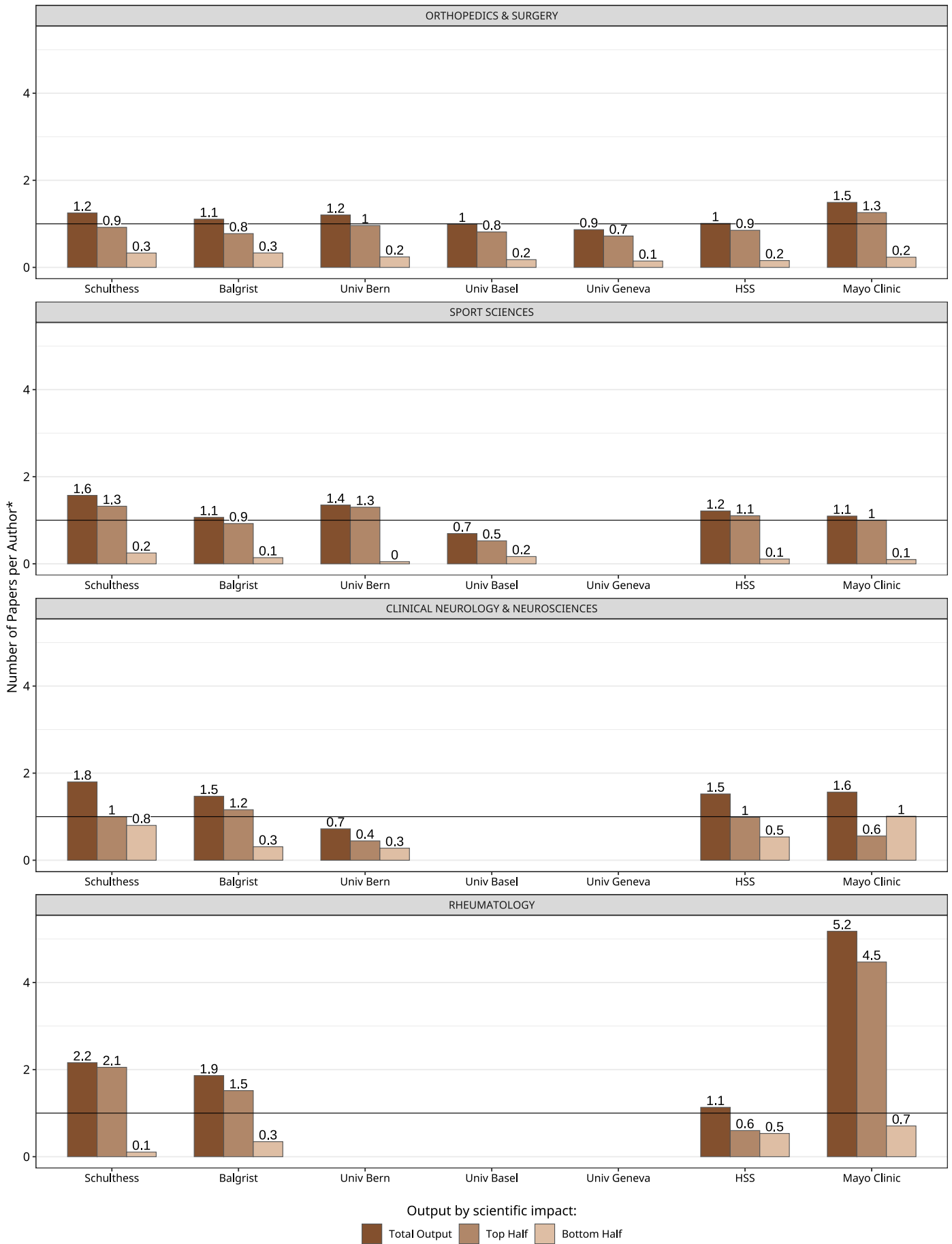
Benchmarking across WoS Categories

Fig. 3: Shares of AC-Outputs by Quartile of Journal AIS



Benchmarking across WoS Categories

Fig. 4: Number of Papers per Author



Output by scientific impact:

Total Output
 Top Half
 Bottom Half

*Author specialized in a discipline (largest share or >30% of author's own coauthored output)

Benchmarking across WoS Categories

Tab 1: Number of Outputs in Top Field Journals
(in journals ranked among the top 10 % by their AIS in the WoS field)

Journal name	AIS	Orthopedics & Surgery						
		Schulthess	Balgrist	Univ Bern	Unib Basel	Univ Geneva	HSS	Mayo Clinic
JAMA SURG	3.9						1	2
ANN SURG	3.3					1		2
INT J SURG	2.2	1						
J AM COLL SURGEONS	2.1	1						
J BONE JOINT SURG AM	2.1		13	7			69	143
AM J SPORT MED	1.7	28		8			64	68
BRIT J SURG	1.7			1				
OSTEOARTH CARTILAGE	1.6			1				
EFORT OPEN REV	1.6			2	4			1
AM J SURG PATHOL	1.5							3
SURGERY	1.4	1						
BONE JOINT J	1.3	6	5	7	3		40	65
J AM ACAD ORTHOP SUR	1.3	2		2			9	11
CLIN ORTHOP RELAT R	1.3	18	12	42	1	2	69	132
J ORTHOP SPORT PHYS	1.1	4	2					3
ARTHROSCOPY	1.1	17	13	5			31	30
Total in Top 10%		78	45	75	8	3	283	460

Tab 1: Number of Outputs in Top Field Journals
(in journals ranked among the top 10 % by their AIS in the WoS field)

Journal name	AIS	Sport Sciences						
		Schulthess	Balgrist	Univ Bern	Unib Basel	Univ Geneva	HSS	Mayo Clinic
SPORTS MED	1.7	21						
MED SCI SPORT EXER	1.7	7					3	
AM J SPORT MED	1.6	14	10	4		3	28	51
ARTHROSCOPY	1.3							1
J SCI MED SPORT	1.3	6						
BRIT J SPORT MED	1.2	135		2	1			
J ORTHOP SPORT PHYS	1.1				1			1
ARCH PHYS MED REHAB	1.1	1						3
Total in Top 10%		184	10	6	2	3	31	56

Benchmarking across WoS Categories

Tab 1: Number of Outputs in Top Field Journals
(in journals ranked among the top 10 % by their AIS in the WoS field)

Journal name	AIS	Clinical Neurology & Neurosciences						
		Schulthess	Balgrist	Univ Bern	Unib Basel	Univ Geneva	HSS	Mayo Clinic
LANCET NEUROL	9.6		6					
NAT REV NEUROL	8.9		2					
ANN NEUROL	4.4		3					
BRAIN	4.1		8					
NEUROSCI BIOBEHAV R	3.6	1						
CEREB CORTEX	3.4		2					
JAMA NEUROL	3.4	3						
J NEUROSCI	3.2		4					
NEUROLOGY	3.0	1	14					
NEUROSCIENTIST	2.9		3					
ARCH NEUROL-CHICAGO	2.7					1		
J NEUROL NEUROSUR PS	2.7	1	2					
MOVEMENT DISORD	2.5		2					
NEUROL-NEUROIMMUNOL	2.5		1					
NEUROIMAGE	2.3		5					
PAIN	2.1		1					
NEUROREHAB NEURAL RE	1.5		6					
Total in Top 10%		6	59			1		

Tab 1: Number of Outputs in Top Field Journals
(in journals ranked among the top 10 % by their AIS in the WoS field)

Journal name	AIS	Rheumatology						
		Schulthess	Balgrist	Univ Bern	Unib Basel	Univ Geneva	HSS	Mayo Clinic
NAT REV RHEUMATOL	3.5		1					
ARTHRITIS RHEUM-US	2.9		2					
ANN RHEUM DIS	2.5	4	10					8
OSTEOARTH R CARTILAGE	1.6	8	3	3				5
Total in Top 10%		12	16	3				13