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DOCTORS OF SCIENCE, 2024

According to the data of the Croatian Bureau of Statistics, a total of **812** persons obtained their degree of doctors of science in 2024. The share of women in that number amounted to **488**, that is, **60.1%**.

More women than men among doctors of science

Out of the total of 812 doctors of science, **64.1%** of them obtained their degree at the University of Zagreb, 11.8% at the University of Split, 9.1% at the University of Osijek, 8.9% at the University of Rijeka, 4.3% at the University of Zadar, 1.0% at the Catholic University of Croatia, Zagreb, and 0.4% both at the University North, Koprivnica, and at the University of Slavonski Brod.

The highest share of female doctors of science obtained their degree at the Catholic University of Croatia, Zagreb, **75.0%**, followed by the University North, Koprivnica, with 66.7%, University of Osijek with 62.2%, the University of Rijeka with 61.1%, the University of Zagreb with 60.8%, the University of Split with 56.3%, and the University of Zadar with 54.3%. There were no female doctors of science at the University of Slavonski Brod.

Biomedicine and health – the most often chosen field for doctoral theses

The majority of doctoral theses in 2024 were from the field of Biomedicine and health (**26.0%**), followed by the field of Social sciences (20.6%), Engineering (18.1%), Natural sciences (15.1%), Humanities (11.7%), and Biotechnical sciences (6.3%). The smallest number of doctoral theses were from Interdisciplinary fields of science (2.2%).

There were 6.7% of doctors of science who have already obtained a master of science degree.

The largest number of doctors of science in the 30 to 34 age group

Regarding age, the largest number of doctors of science was classified in the 30 – 34 age group (31.4%). There were 11.3% of doctors of science in the up-to-29 age group, 21.6% of doctors of science in the 35 – 39 age group, 14.8% in the 40 – 44 age group, 8.0% in the 45 – 49 age group and 12.9% in the 50-and-over age group.

The largest number of doctors of science employed in Education

The largest number of doctors of science were employed in the following activities: **46.4%** in Education, 21.3% in Human health and social welfare, 14.2% in Professional, scientific and technical activities, and 4.8% in Public administration and defence; compulsory social security. There were 12.3% of doctors of science employed in other activities, while 1.0% of them were unemployed.

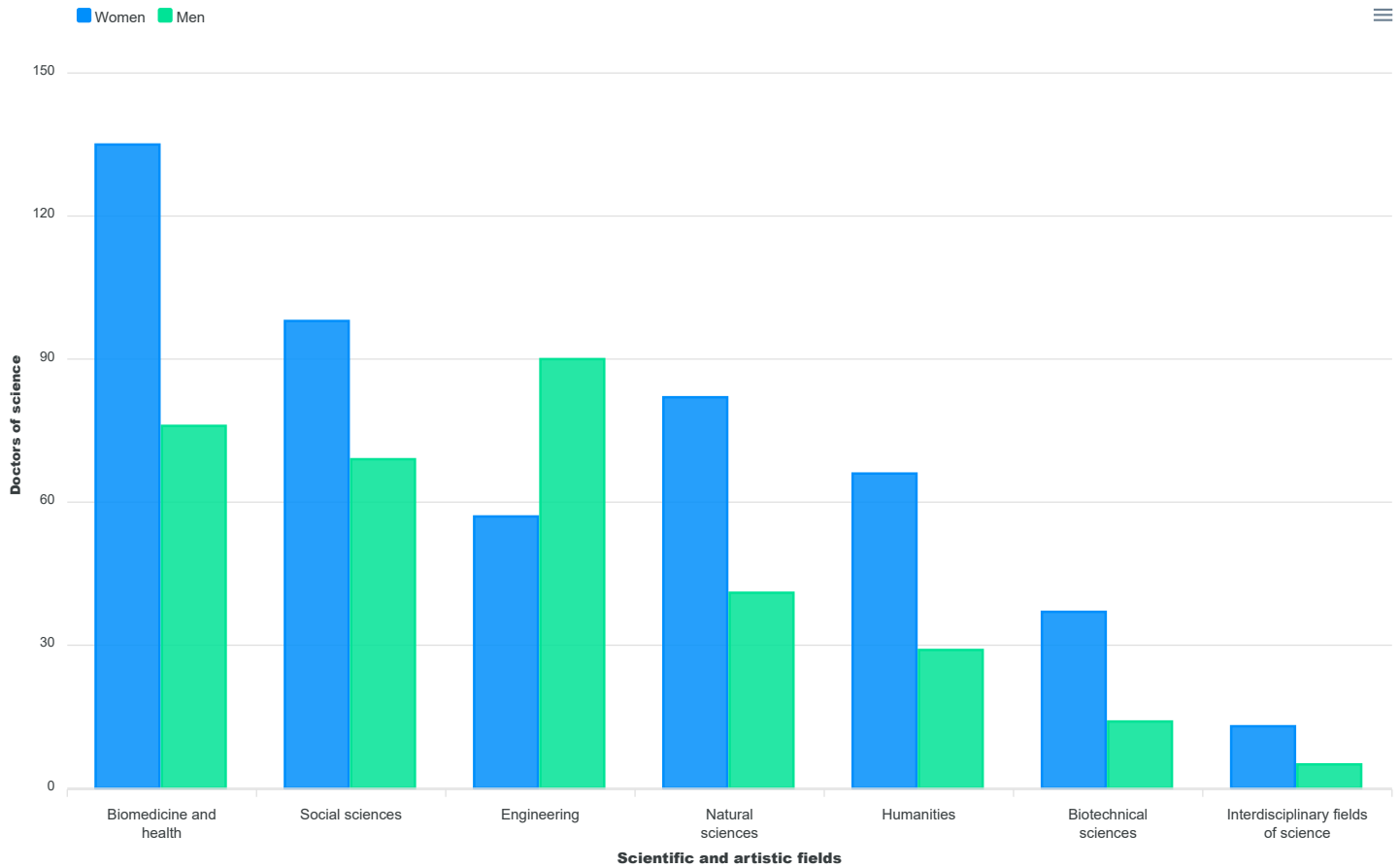
The costs of studies mostly paid by employers

Regarding the costs of doctoral studies, **42.2%** of them were paid by employers, 40.4% by doctors of science themselves, the costs for 13.1% of doctors of science were allocated from the State Budget, while the costs for 4.3% of doctors of science belonged to the category Other.

1 DOCTORS OF SCIENCE, BY UNIVERSITIES WHERE THEY OBTAINED DOCTOR'S DEGREE, SCIENTIFIC AND ARTISTIC FIELD OF DOCTORAL THESIS AND SEX, 2024

	Total		Scientific and artistic field of doctoral thesis						
	All	Women	Natural sciences	Engineering	Biomedicine and health	Biotechnical sciences	Social sciences	Humanities	Interdisciplinary fields of science
Total	812	488	123	147	211	51	167	95	18
University of Osijek	74	46	-	11	18	12	22	11	-
University of Rijeka	72	44	2	17	22	-	20	3	8
University North, Koprivnica	3	2	-	-	-	-	3	-	-
University of Slavonski Brod	3	-	-	3	-	-	-	-	-
University of Split	96	54	8	17	52	-	10	8	1
University of Zadar	35	19	1	-	-	-	11	23	-
University of Zagreb	521	317	112	99	119	39	94	49	9
Catholic University of Croatia, Zagreb	8	6	-	-	-	-	7	1	-

G-1 DOCTORS OF SCIENCE, BY SCIENTIFIC AND ARTISTIC FIELD OF DOCTORAL THESIS AND SEX, 2024

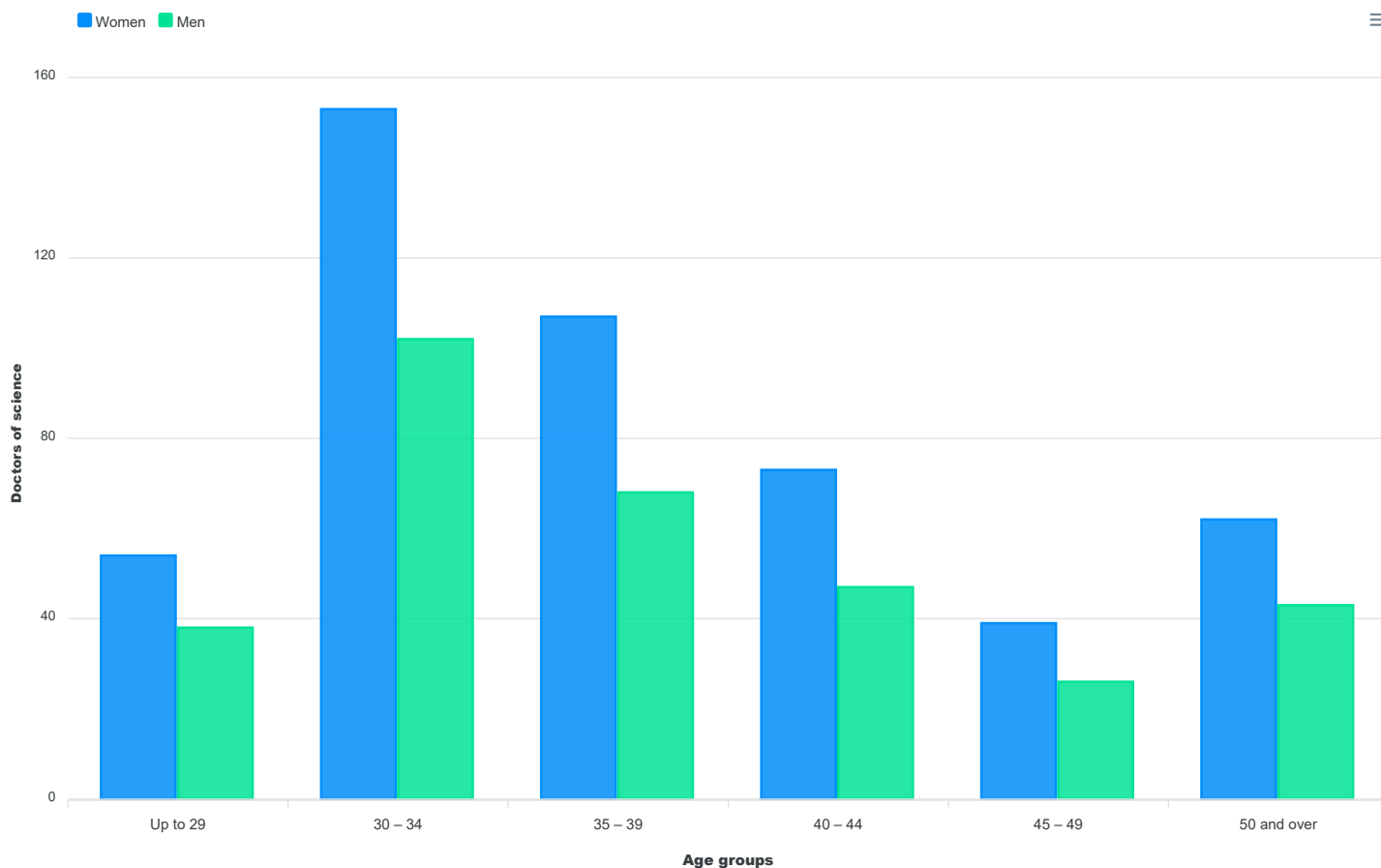


2 DOCTORS OF SCIENCE, BY SCIENTIFIC AND ARTISTIC FIELD OF DOCTORAL THESIS, AGE GROUPS AND SEX, 2024

	Total		Age groups					
	All	Women	Up to 29	30 – 34	35 – 39	40 – 44	45 – 49	50 and over
Total	812	488	92	255	175	120	65	105
Natural sciences	123	82	33	60	15	7	2	6
Mathematics	6	2	2	3	1	-	-	-
Physics	21	10	10	10	1	-	-	-
Geological science	6	2	1	2	-	3	-	-
Chemistry	32	23	5	23	1	1	1	1
Biology	40	33	11	13	9	2	1	4
Geophysics	4	4	1	2	1	-	-	-
Geography	4	-	1	2	1	-	-	-
Interdisciplinary natural sciences	10	8	2	5	1	1	-	1
Engineering	147	57	24	55	32	17	8	11
Architecture and town planning	9	7	-	2	5	1	1	-
Naval architecture	1	-	-	-	-	-	1	-
Electrical engineering	33	6	8	13	6	3	3	-
Geodesy	5	1	-	4	1	-	-	-
Civil engineering	22	10	5	10	3	-	1	3
Graphic technology	6	4	-	1	1	4	-	-
Chemical engineering	9	6	2	5	2	-	-	-
Metallurgy	1	-	-	-	1	-	-	-
Computer science	15	5	6	7	1	-	-	1
Mining, petroleum and geological engineering	7	6	-	3	2	1	-	1
Mechanical engineering	14	3	3	5	3	3	-	-
Technology of transport and traffic	18	5	-	2	6	2	2	6
Textile technology	2	2	-	1	-	1	-	-
Basic technical sciences	1	-	-	1	-	-	-	-
Interdisciplinary technical sciences	4	2	-	1	1	2	-	-
Biomedicine and health	211	135	10	51	63	46	18	23
Basic medical sciences	32	22	4	14	6	4	2	2
Clinical medicine	122	71	2	18	41	35	9	17
Public health and health care	9	7	-	2	3	3	-	1
Veterinary medicine	13	9	-	6	3	1	3	-
Dental medicine	24	16	2	7	7	2	4	2
Pharmacy	11	10	2	4	3	1	-	1
Biotechnical sciences	51	37	8	19	8	3	4	9
Agronomy	26	15	3	8	5	1	3	6
Forestry	4	4	-	2	-	1	-	1
Biotechnology	6	5	2	3	-	-	-	1
Food technology	11	10	3	6	-	1	-	1
Nutrition	4	3	-	-	3	-	1	-
Social sciences	167	98	12	40	34	25	20	36
Economics	48	24	3	13	9	9	5	9
Law	12	5	1	-	4	3	-	4
Political science	1	-	-	-	1	-	-	-

Education and rehabilitation sciences	4	4	-	2	-	1	-	1
Information sciences	15	11	-	4	1	3	4	3
Communication sciences	3	2	-	-	1	1	1	-
Sociology	16	12	3	6	2	2	1	2
Psychology	15	15	2	8	3	-	1	1
Pedagogy	15	11	1	1	4	1	4	4
Kinesiology	25	8	1	4	5	5	3	7
Social work	7	5	1	2	2	-	1	1
Interdisciplinary social sciences	6	1	-	-	2	-	-	4
Humanities	95	66	3	23	20	20	13	16
Philosophy	9	3	-	3	2	1	2	1
Theology	4	2	-	1	2	1	-	-
Linguistics	31	24	1	10	6	9	3	2
History	12	9	1	2	3	1	3	2
History of arts	4	4	1	-	2	-	-	1
Science of arts	4	3	-	-	-	2	2	-
Archaeology	7	5	-	2	2	1	1	1
Ethnology and anthropology	10	7	-	1	1	1	1	6
Croatology	4	2	-	1	1	1	-	1
Interdisciplinary humanities	10	7	-	3	1	3	1	2
Interdisciplinary fields of science	18	13	2	7	3	2	-	4
Educational sciences	10	7	1	2	2	2	-	3
Other interdisciplinary fields	8	6	1	5	1	-	-	1

G-2 DOCTORS OF SCIENCE, BY AGE GROUPS AND SEX, 2024



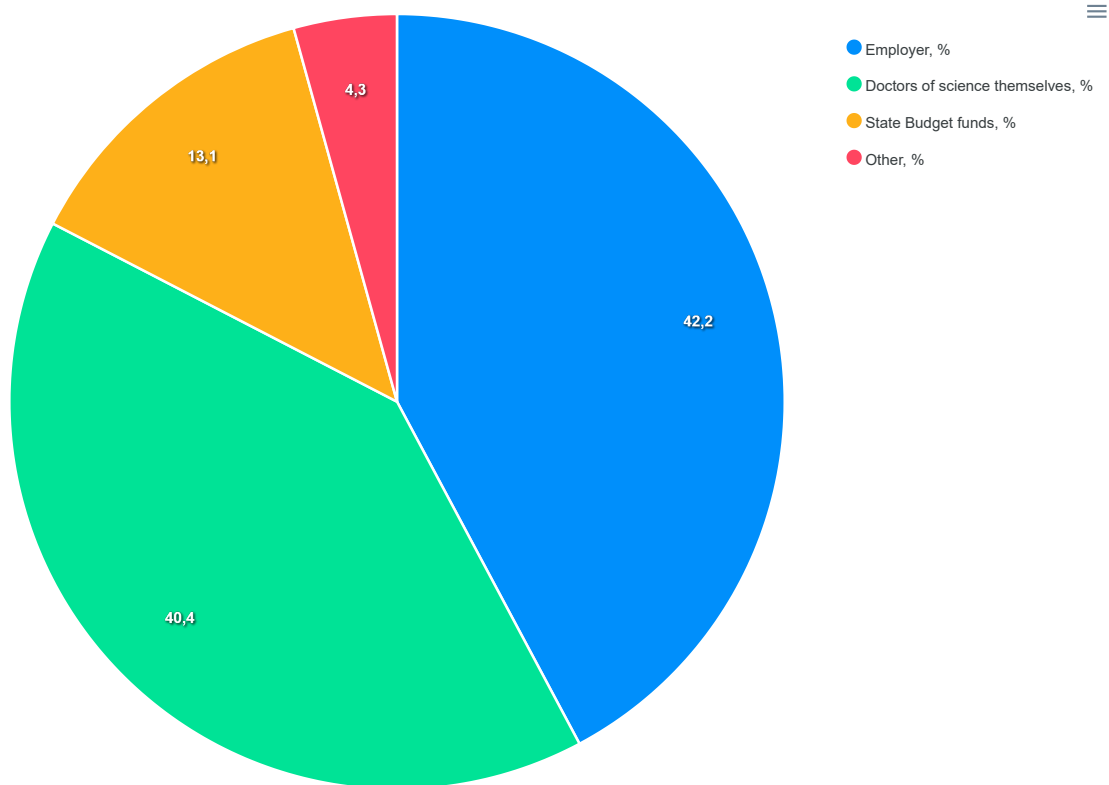
3 DOCTORS OF SCIENCE, BY SCIENTIFIC AND ARTISTIC FIELD OF DOCTORAL THESIS AND MASTER'S THESIS, 2024

Scientific and artistic field of master's thesis	Total	Scientific and artistic field of doctoral thesis						
		Natural sciences	Engineering	Biomedicine and health	Biotechnical sciences	Social sciences	Humanities	Interdisciplinary fields of science
Total	812	123	147	211	51	167	95	18
Natural sciences	6	3	1	1	-	1	-	-
Engineering	13	-	12	-	-	1	-	-
Biomedicine and health	7	-	-	6	-	1	-	-
Biotechnical sciences	3	-	-	-	3	-	-	-
Social sciences	20	1	-	-	-	18	1	-
Humanities	3	-	-	-	-	-	3	-
Interdisciplinary fields of science	2	-	-	1	-	-	1	-
Master's degree not obtained	758	119	134	203	48	146	90	18

4 DOCTORS OF SCIENCE, BY ACTIVITY OF EMPLOYMENT, BY WAY OF PAYING FOR DOCTORAL STUDY AND BY SEX, 2024

	Total		Way of paying for doctoral study			
	All	Women	Employer	State Budget funds	Doctors of science themselves	Other
Total	812	488	343	106	328	35
Employees	804	485	343	106	322	33
Agriculture, forestry and fishing	4	3	1	-	3	-
Manufacturing	9	5	3	-	5	1
Electricity, gas, steam and air conditioning supply	6	2	3	-	3	-
Construction	5	2	-	2	3	-
Wholesale and retail trade; repair of motor vehicles and motorcycles	9	3	2	1	6	-
Transportation and storage	2	1	1	-	1	-
Accommodation and food service activities	1	1	-	-	1	-
Information and communication	21	9	8	1	7	5
Financial and insurance activities	5	3	3	-	2	-
Real estate activities	1	1	-	-	1	-
Professional, scientific and technical activities	115	80	60	26	24	5
Administrative and support service activities	4	2	1	-	3	-
Public administration and defence; compulsory social security	39	19	11	-	25	3
Education	377	229	207	71	87	12
Human health and social work activities	173	102	38	4	126	5
Arts, entertainment and recreation	23	17	4	1	16	2
Other service activities	7	4	-	-	7	-
Activities of extraterritorial organisations	3	2	1	-	2	-
Unemployed	8	3	-	-	6	2

G-3 DOCTORS OF SCIENCE, BY WAY OF PAYING FOR DOCTORAL STUDY, 2024



NOTES ON METHODOLOGY

Sources and methods of data collection

Data are the result of the annual data processing of statistical sheets for doctors of science (ŠV-70 form), which are filled in by doctors of science or doctors of art at obtaining this degree.

Coverage and comparability

The statistical survey covers all institutions of higher education in the Republic of Croatia that establish and carry out the postgraduate study for obtaining a doctoral degree or allow for obtaining a doctoral degree according to the Act on Higher Education and Scientific Activity (NN, No. 119/22).

Data are comparable to those from previous years.

Definitions and explanations

Doctor of science is a person who defended a doctoral thesis.

Institution of higher education is any institution authorised to organise and implement courses of study as well as scientific research, highly professional or artistic work. Institutions of higher education are divided in the following way: universities, faculties, art academies and polytechnics. Institutions of higher education can be public and private.

Doctoral study can be enrolled after the completion of a graduate university study or a university integrated undergraduate and graduate study or a university specialist study.

Postgraduate doctoral study lasts for three years. After fulfilling all prescribed conditions and on public defending of a doctoral thesis, a person obtains an academic degree of the doctor of science (Dr. Sc.) or the doctor of art (Dr. Art.) with a reference to the field of study, in line with the Ordinance on Scientific and Interdisciplinary Areas, Fields and Branches and Artistic Area, Fields and Branches (NN, No. 3/24).

Abbreviations

NN Narodne novine, official gazette of the Republic of Croatia

Symbols

- no occurrence

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