

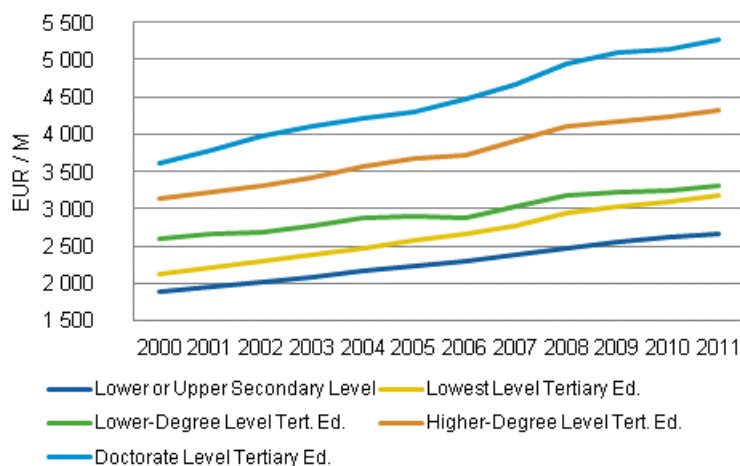
# Structure of Earnings 2011

*Average pay of those with lower university level degrees has contracted compared to other levels of education in the 2000s*

*Corrected on 7 May 2013. The correction is indicated in red. Was previously EUR 3,108.*

According to Statistics Finland's Structure of Earnings statistics, in the last quarter of 2011 the average monthly earnings of all full-time wage and salary earners were EUR 3,109 and the median earnings EUR 2,774. Divided by level of education, those with the lowest level tertiary qualifications were closest to the average monthly earnings for the whole country, with average monthly earnings of EUR 3,177. In lower levels of education than this, the average income was lower than the average for the whole country and in higher levels of education the income was in turn higher.

## Development of average monthly pay of full-time wage and salary earners in 2000s by levels of education



The monthly earnings of full-time wage and salary earners have developed fairly evenly in the 2000s apart from those with lower university level degrees. The nominal monthly earnings of this group grew only by 27 per cent between 2000 and 2011 and the average pay of the group fell close to the level of those

with lowest degree level tertiary education. The small growth percentage is explained by the increase in wage and salary earners with lower university level degrees and their placement in jobs with lower competence requirements than before. Lower-degree level tertiary education comprises, for instance, polytechnic degrees and lower university degrees.

In other levels of education, average monthly earnings grew by nearly forty per cent between 2000 and 2011. The biggest growth was seen among those with lowest degree level tertiary education, 49 per cent. Wage and salary earners with doctorate level degrees earned on average EUR 5,256 per month in 2011, which is approximately twice as much as the average pay of those with lower secondary education. This ratio has remained nearly unchanged throughout the 2000s.

#### **Average monthly pay of full-time wage and salary earners and dispersion of earnings by levels of education in 2011**

Educational level	Total earnings, EUR / month				
	Mean	1st decile	Median	9th decile	Change in earnings 2000-2011, %
Lower Secondary Education	2 605	1 760	2 405	3 638	40,7
Upper Secondary Level Ed.	2 681	1 887	2 500	3 681	40,7
Lowest Level Tertiary Ed.	3 177	2 188	2 895	4 500	48,8
Lower-Degree Level Tert. Ed.	3 302	2 200	3 020	4 764	26,7
Higher-Degree Level Tert. Ed.	4 328	2 720	3 900	6 446	38,0
Doctorate Level Tertiary Ed.	5 256	3 314	4 721	7 636	45,6
Total	3 109	1 972	2 774	4 602	46,0

These data derive from Statistics Finland's Structure of Earnings statistics, which cover all employer sectors. Monthly earnings for total hours worked are only calculated for full-time wage and salary earners. Besides earnings for regular working hours, the earnings also include pay for any possible overtime and working hour supplements but not one-off performance-based bonuses.

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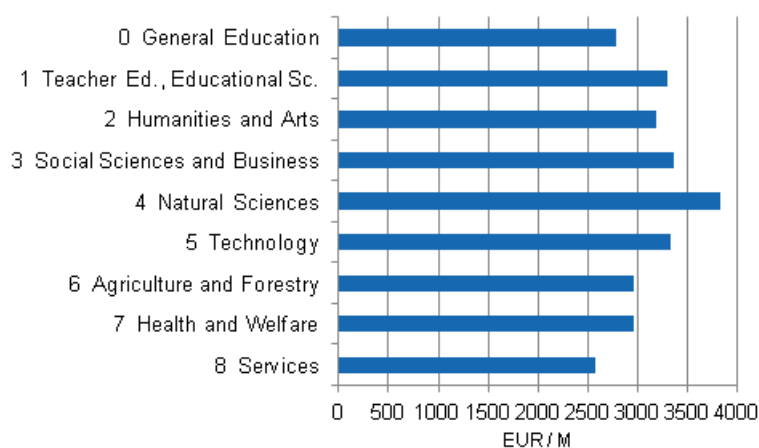
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## Pay differentials also within educational levels between fields of education

According to Statistics Finland's structure of earnings statistics the highest average monthly pay, EUR 3,842, was found among full-time wage and salary earners with education in natural sciences. The second highest average monthly pay was earned by persons with education in business and technology. The lowest average pay, EUR 2,576, was received by persons educated in service industries. The average pay among completers of general comprehensive education was EUR 2,776.

**Figure 1. Average monthly pay of full-time wage and salary earners by fields of education in 2011**



When fields of education are grouped by educational level, clear differences are found between average pays. The average monthly pay of those with lowest level tertiary qualifications in natural sciences (data processing), EUR 4,232, is clearly higher than for other wage and salary earners with the same level of education. In contrast, the average pay of those with higher university level degrees or doctorate level degrees in natural sciences was at the bottom of their level of education. In higher education levels, the highest average pays were received by people with education in the field of health and welfare. Among wage and salary earners with higher education levels, the lowest average pays were received by those with humanities and art education.

**Table 1. Average monthly pay of full-time wage and salary earners by fields of education and educational levels in 2011**

Classification of Education	Educational level				
	Upper Secondary Level Ed.	Lowest Level Tertiary Ed.	Lower-Degree Level Tert. Ed.	Higher-Degree Level Tert. Ed.	Doctorate Level Tertiary Ed.
1 Teacher Ed., Educational Sc.	2 993	2 891	2 940	3 521	4 703
2 Humanities and Arts	2 441	2 887	2 868	3 491	4 371
3 Social Sciences and Business	2 612	3 077	3 269	4 678	5 174
4 Natural Sciences	2 856	4 232	3 691	3 961	4 564
5 Technology	2 866	3 677	3 870	4 691	5 274
6 Agriculture and Forestry	2 538	3 064	3 026	4 223	4 822
7 Health and Welfare	2 408	3 002	2 749	5 534	6 671
8 Services	2 399	3 187	2 991	4 245	4 777

## Appendix tables

**Appendix table 1. Average monthly earnings of full-time wage and salary earners and dispersion of earnings by main class of industry (TOL 2008) in 2011**

Industry class	Total earnings, EUR / month				
	Number	Mean	1st decile	Median	9th decile
Total	1 410 421	3 109	1 972	2 774	4 602
A Agriculture, forestry and fishing	4 271	2 636	1 993	2 579	3 238
B Mining and quarrying	3 649	3 245	2 266	3 001	4 395
C Manufacturing	252 633	3 245	2 128	2 960	4 676
D Electricity, gas, steam and air conditioning supply	10 495	3 670	2 425	3 345	5 321
E Water supply; sewerage, waste management and remediation activities	7 886	2 966	2 041	2 749	4 190
F Construction	94 967	3 118	2 181	2 924	4 220
G Wholesale and retail trade; repair of motor vehicles and motorcycles	140 780	3 008	1 875	2 574	4 715
H Transportation and storage	67 441	2 942	2 084	2 671	4 151
I Accommodation and food service activities	34 660	2 277	1 734	2 128	2 951
J Information and communication	64 173	3 937	2 446	3 639	5 697
K Financial and insurance activities	36 811	3 872	2 295	3 191	6 208
L Real estate activities	10 792	3 295	1 930	2 813	5 207
M Professional, scientific and technical activities	80 225	3 621	2 136	3 230	5 555
N Administrative and support service activities	57 119	2 404	1 598	2 156	3 430
O Public administration and defence; compulsory social security	107 461	3 265	2 138	2 947	4 845
P Education	123 489	3 318	2 056	3 284	4 554
Q Human health and social work activities	260 962	2 764	1 945	2 487	3 568
R Arts, entertainment and recreation	20 159	2 726	1 929	2 482	3 708
S Other service activities	32 441	2 708	1 593	2 392	4 142

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Source: Structure of Earnings 2011, Statistics Finland