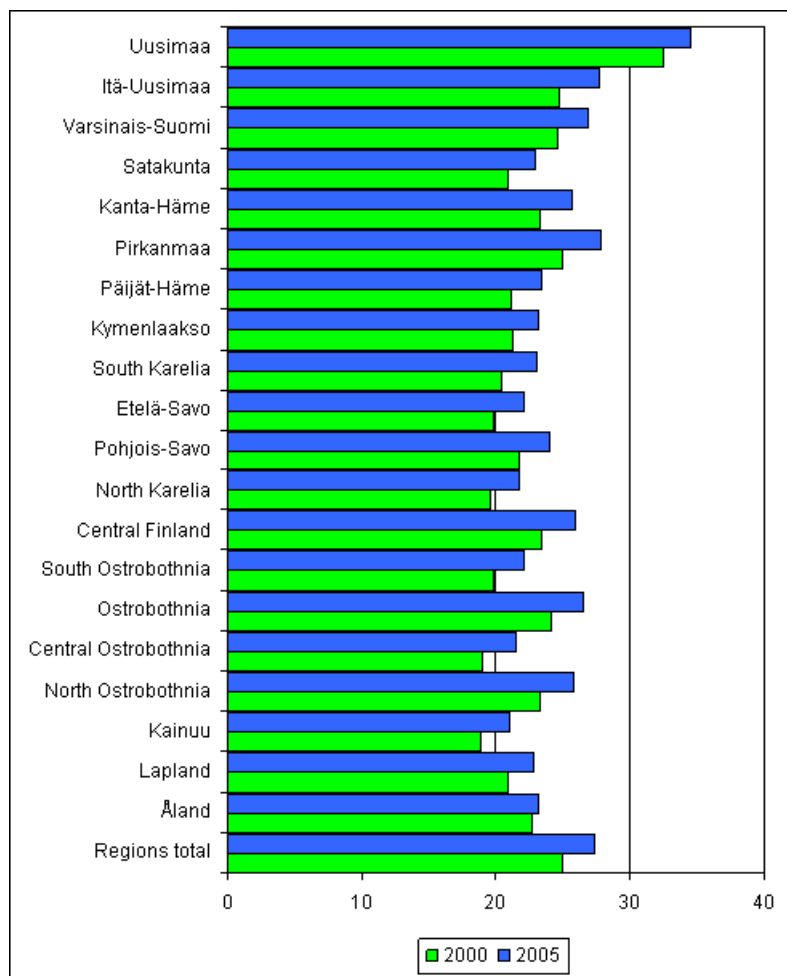


Human resources of science and technology in 2006

Proportion of highly educated population highest in the Region of Uusimaa

Twenty-seven per cent of the country's population aged 16 to 74 held a tertiary level educational qualification in 2005. The share of highly educated population had increased by two percentage points since 2000, and was the highest in the Region of Uusimaa at 35 per cent. The Region of Kainuu had the lowest share of 21 per cent. Thirty-five per cent of the highly education population lived in Uusimaa, nine per cent in both Varsinais-Suomi and Pirkanmaa and approximately seven per cent in North Ostrobothnia. The share had increased most since 2000 in the Regions of Pirkanmaa and North Ostrobothnia and diminished most in the Regions of Lapland, Kainuu, Pohjois-Savo and Etelä-Savo.

Share of highly educated population of total population by region in 2005



In 2005, the proportion of highly educated employees of all employed labour force increased slightly from the previous year, when it was 36 per cent. As a proportion of all employed persons, 5.4 per cent of them were unemployed.

The share of highly educated employees was the highest, or 18 per cent, in human health activities. One-third of those with a doctorate level degree were employed by universities and approximately 16 per cent by human health activities. Around 29 per cent of those with a higher level university degree worked in the field of education. The largest shares of holders of other tertiary degrees were employed by human health activities (21%), trade (13%) and business services (11%).

Highly educated employees by economic activity and completed degree in 2005

	Share of employees, %	Doctorate level degree %	Higher-degree level %	Other tertiary degrees %	Total %
Agriculture, forestry and fishery	18.0	0.3	0.8	2.4	1,9
Mining and quarrying	18.2	0.0	0.1	0.1	0,1
Food, textiles	18.9	0.3	0.7	1.4	1,2
Wood products, pulp, paper product	27.5	2.3	3.8	4.3	4,1
Metals, machinery and equipmen	28.1	2.5	4.4	6.3	5,7
Computers, telecommunication equipment	59.3	2.5	3.8	2.1	2,6
Other manufacturing	20.7	0.2	0.4	1.0	0,8
Electricity, gas and water supply	42.0	0.2	0.6	0.9	0,8
Construction	16.8	0.2	0.7	3.8	2,9
Trade	25.4	1.7	5.0	13.2	10,7
Transport, communications	17.6	0.4	1.4	3.9	3,1
Telecommunications	51.6	0.2	0.9	1.3	1,2
Financial and insurance intermediatio	61.0	0.9	3.0	3.4	3,2
Computer and related activities	62.2	1.3	3.8	2.8	3,0
Business services	39.5	4.6	10.4	10.6	10,4
Public sector research institutes	71.9	8.0	1.8	0.4	1,0
Other research activities	69.7	1.7	0.4	0.1	0,3
Universities	74.7	32.9	4.9	0.7	2,7
Other higher education	84.2	4.1	1.5	0.3	0,7
Other education	71.4	7.0	22.3	6.4	10,7
Human health activities	44.2	15.8	11.9	20.9	18,3
Public administration	57.9	8.1	10.1	7.8	8,4
Other economic activities	34.6	3.5	5.9	4.5	4,9
Activity unknown/missing	21.9	1.3	1.3	1.2	1,2
Economic activities, total	36.3	100.0	100.0	100.0	100,0

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Tables

1. Tertiary degrees by the field of science in 1991-2006

Tertiary level	Field of science	Year of completing the degree					
		1995		2000		2006	
		Total	of which women	Total	of which women	Total	of which women
Total of tertiary degrees		41 794	24 821	37 225	22 823	42 237	26 617
Doctorate	Total	786	288	1 142	518	1 411	660
	Natural sciences	179	62	245	99	294	115
	Engineering and technology	114	13	152	29	286	57
	Medical and health sciences	221	114	330	201	316	201
	Agricultural sciences	22	8	43	17	58	29
	Social sciences	168	57	234	111	315	181
	Humanities	82	34	138	61	142	77
Licentiate	Total	809	339	746	352	489	233
	Natural sciences	153	65	177	71	117	46
	Engineering and technology	165	41	145	34	104	27
	Medical and health sciences	23	18	27	21	10	8
	Agricultural	19	10	9	4	6	3
	Social sciences	278	120	269	164	175	108
Higher-degree level	Total	11 270	6 149	12 404	7 148	14 135	8 479
	Natural sciences	1 071	516	1 377	700	1 520	737
	Engineering and technology	1 770	393	2 009	441	2 334	571
	Medical and health sciences	1 657	1 064	1 661	1 103	1 748	1 264
	Agricultural sciences	223	100	219	101	274	156
	Social sciences	4 728	2 739	4 980	3 192	5 879	3 981
Other tertiary degrees	Humanities	1 821	1 337	2 158	1 611	2 380	1 770
	Undefined field of science	28 929	18 045	22 933	14 805	26 202	17 245

2. Population with tertiary level education in 2000 and 2005

Tertiary level	Field of science	Year			
		2000		2005	
		Total	of which women	Total	of which women
Total of tertiary degrees		959 363	527 502	1 063 631	595 119
Doctorate	Total	14 111	4 375	19 409	7 047
	Natural sciences	3 167	868	4 250	1 357
	Engineering and technology	1 813	205	2 709	409
	Medical and health sciences	4 671	1 795	5 983	2 709
	Agricultural sciences	512	183	687	262
	Social sciences	2 449	791	3 715	1 454
	Humanities	1 499	533	2 065	856
Licentiate	Total	8 466	2 951	8 976	3 499
	Natural sciences	1 745	583	1 721	628
	Engineering and technology	2 203	337	2 352	397
	Medical and health sciences	226	175	261	206
	Agricultural sciences	202	86	192	78
	Social sciences	2 675	1 086	2 962	1 397
	Humanities	1 415	684	1 488	793
Higher-degree level	Total	223 751	111 838	271 017	142 312
	Natural sciences	23 067	10 984	28 304	13 745
	Engineering and technology	38 267	6 043	45 937	8 008
	Medical and health sciences	26 358	16 493	29 603	19 264
	Agricultural sciences	7 784	3 327	8 371	3 855
	Social sciences	89 882	47 330	111 928	63 036
	Humanities	38 393	27 661	46 874	34 404
Other tertiary degrees	Undefined field of science	713 035	408 338	764 229	442 261

3. Population with tertiary level education by the principal activity in 2005

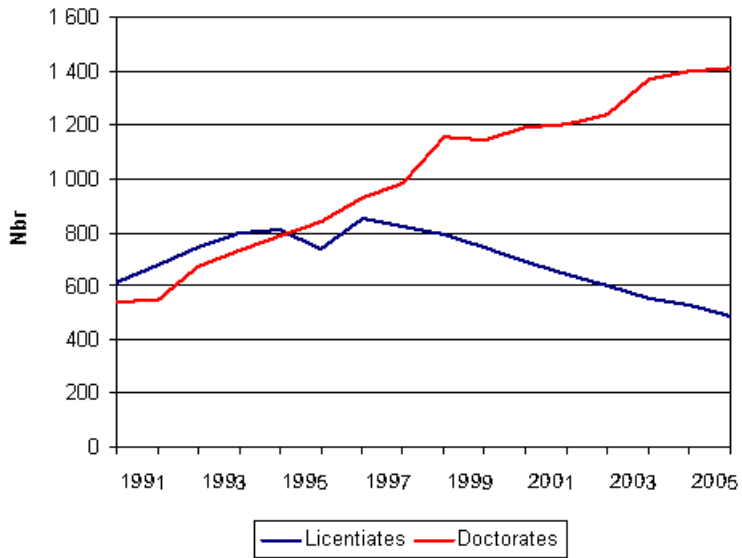
		Total	In labour force	Employed	Unemployed	Not in labour force
Total of tertiary degrees		1 063 631	878 017	830 375	47 642	185 614
Doctorate	Total	19 409	16 509	16 121	388	2 900
	Natural sciences	4 250	3 567	3 449	118	683
	Engineering and technology	2 709	2 426	2 399	27	283
	Medical and health sciences	5 983	5 096	5 046	50	887
	Agricultural sciences	687	563	543	20	124
	Social sciences	3 715	3 201	3 105	96	514
	Humanities	2 065	1 656	1 579	77	409
Licentiate	Total	8 976	7 294	7 001	293	1 682
	Natural sciences	1 721	1 371	1 307	64	350
	Engineering and technology	2 352	2 051	1 988	63	301
	Medical and health sciences	261	218	215	3	43
	Agricultural sciences	192	140	132	8	52
	Social sciences	2 962	2 428	2 351	77	534
	Humanities	1 488	1 086	1 008	78	402
Higher-degree level	Total	271 017	232 838	223 567	9 271	38 179
	Natural sciences	28 304	23 931	22 657	1 274	4 373
	Engineering and technology	45 937	40 539	39 143	1 396	5 398
	Medical and health sciences	29 603	25 738	25 457	281	3 865
	Agricultural sciences	8 371	6 847	6 490	357	1 524
	Social sciences	111 928	98 010	94 473	3 537	13 918
	Humanities	46 874	37 773	35 347	2 426	9 101
Other tertiary degrees	Undefined field of science	764 229	621 376	583 686	37 690	142 853

4. Employed population with tertiary level education by industry in 2005

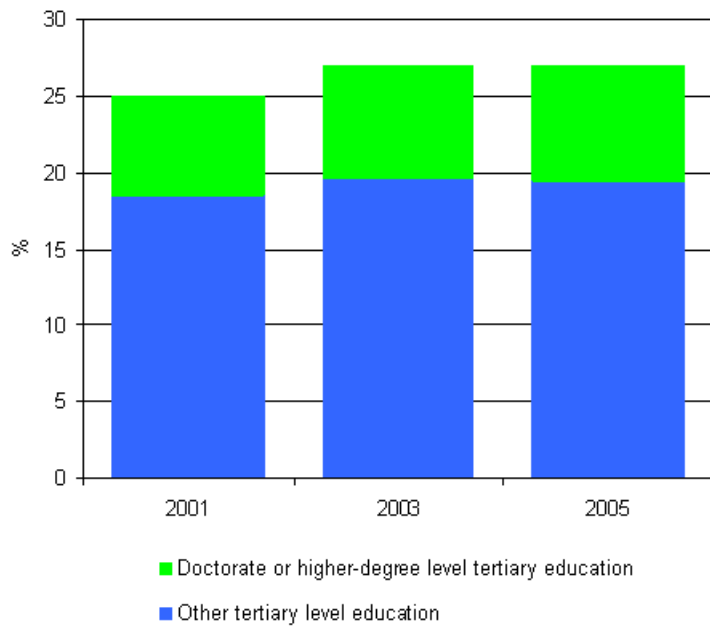
Industry	Tertiary level									
	Total		Doctorate		Licentiate		Higher-degree level		Other tertiary degrees	
	Total	of which women	Total	of which women	Total	of which women	Total	of which women	Total	of which women
Total	830 375	464 884	16 121	6 006	7 001	2 732	223 567	117 623	583 686	338 523
Agriculture, forestry and fishing	16 045	6 390	45	18	32	13	1 784	686	14 184	5 673
Mining and quarrying	860	221	4	1	5	.	195	52	656	168
Manufacture of food products, textiles	9 683	5 510	42	22	16	5	1 546	818	8 079	4 665
Manufacture of wood products, pulp, paper products	34 186	14 806	327	120	209	87	8 531	3 885	25 119	10 714
Manufacture of metals, metal products, machinery and equipment	47 282	10 862	308	53	265	30	9 896	2 103	36 813	8 676
Manufacture of computers, communication equipment	21 460	6 309	319	38	268	45	8 499	2 300	12 374	3 926
Manufacturing n.e.c.	6 927	2 456	15	3	23	8	900	309	5 989	2 136
Electricity, gas and water supply	6 679	1 966	25	7	28	3	1 323	316	5 303	1 640
Construction	24 054	3 633	14	4	35	4	1 572	369	22 433	3 256
Trade	88 465	47 406	235	91	160	62	11 206	5 390	76 864	41 863
Transport, communications	26 062	11 722	32	10	53	15	3 069	1 242	22 908	10 455
Telecommunications	9 613	4 207	13	4	34	5	2 014	692	7 552	3 506
Financial intermediation	26 824	17 189	79	12	118	25	6 714	2 553	19 913	14 599
Computer and related activities	25 257	7 810	155	19	144	25	8 528	2 176	16 430	5 590
Business services	86 115	37 950	531	166	538	147	23 270	8 970	61 776	28 667
Research institutes in public sector	8 341	4 046	1 384	556	460	157	3 926	1 877	2 571	1 456
Other research activities	2 190	1 210	286	94	96	32	1 000	514	808	570
Universities	22 782	12 158	6 130	2 163	1 472	580	10 900	6 195	4 280	3 220
Other higher education	6 177	3 774	487	233	466	235	3 392	2 184	1 832	1 122
Other education	88 721	61 505	657	293	965	514	49 879	36 150	37 220	24 548
Health and social work	151 948	131 551	3 262	1 466	393	276	26 589	18 507	121 704	111 302
Public administration	70 108	40 332	1 084	389	785	313	22 612	11 229	45 627	28 401
Other industries	40 395	25 165	462	142	358	110	13 280	7 266	26 295	17 647
Unknown industry	10 201	6 706	225	102	78	41	2 942	1 840	6 956	4 723

Figures

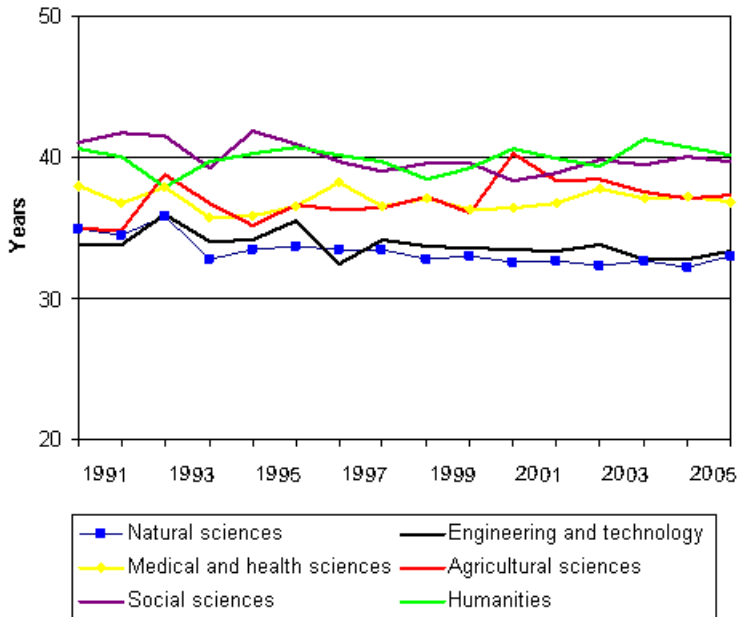
1. Doctorate and licentiate degrees in 1991–2006



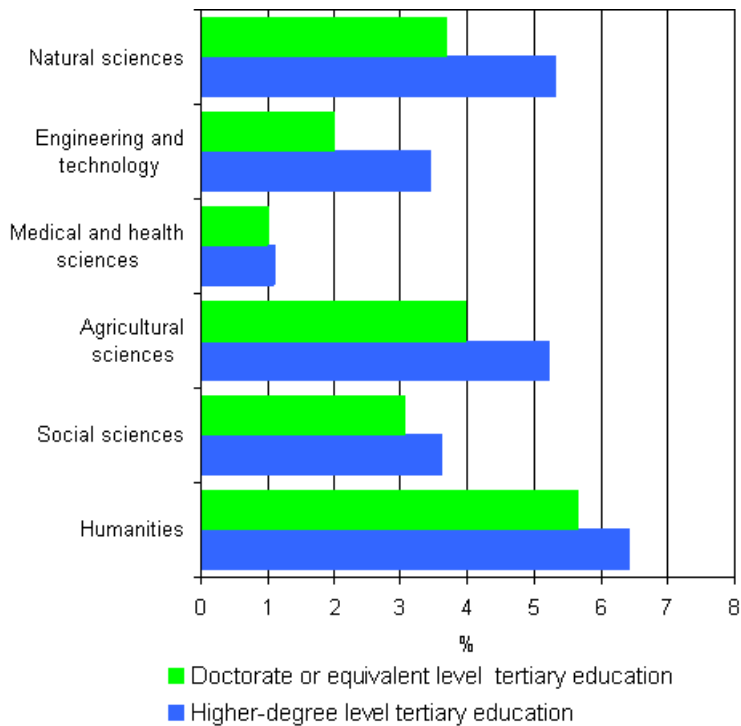
2. Persons with tertiary degrees as a proportion of the population aged 16 to 74 in 2001–2005



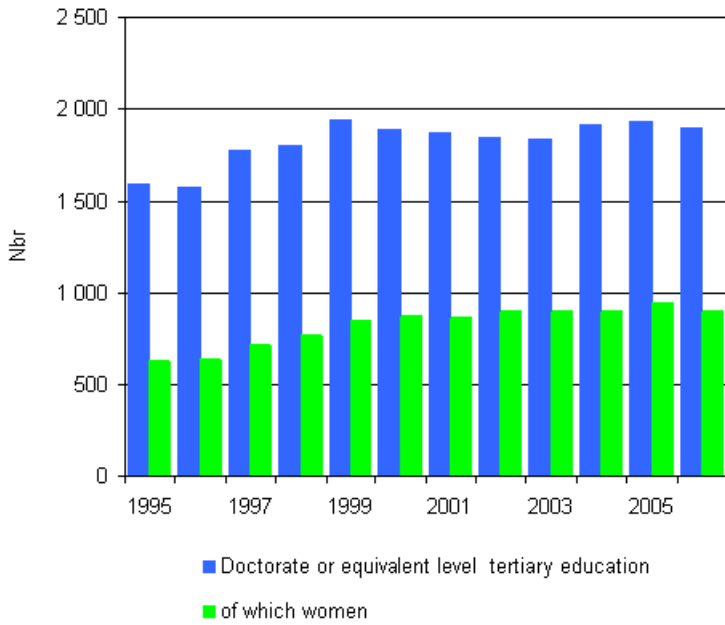
3. Persons with doctorate degree, median ages by the field of science in 1991–2006



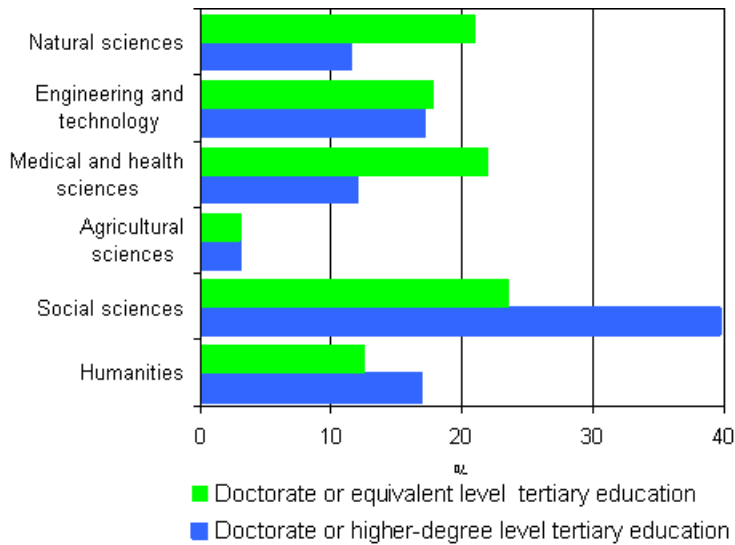
4. Unemployment rates of persons with doctorate level and higher-degree level tertiary education by the field of science in 2005



5. Doctorate level degrees and the proportion of women 1995–2006



6. Persons with doctorate level and higher-degree level tertiary education as a percentage by the field of science in 2005



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Inquiries

Markku Virtaharju (09) 1734 3290
Director in charge:
Kaija Hovi

Sähköpostiosoite

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