

Education Statistics

2006



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Home Affairs FDHA
Federal Statistical Office FSO

Neuchâtel, 2006

Pupils and students, in 2005/06

Pre-primary, Primary, Lower and Upper Secondary Education

Education level	Total	Men	Women	National origin	
				Swiss	Foreign
Pre-primary	156 129	80 591	75 538	114 447	41 682
Primary schools	454 092	230 476	223 616	349 401	104 691
Lower secondary schools	304 064	152 887	151 177	239 792	64 272
<i>Schools with basic requirements</i>	82 315	45 478	36 837	54 880	27 435
<i>Schools with extended requirements</i>	177 157	84 742	92 415	151 742	25 415
<i>No selection requirements</i>	44 592	22 667	21 925	33 170	11 422
Special education programme	48 749	30 347	18 402	26 798	21 951
Compulsory education	806 905	413 710	393 195	615 991	190 914
Preparatory school	68 264	29 798	38 466	59 215	9 049
Other general education school	23 629	7 416	16 213	17 640	5 989
Teacher-training school	332	59	273	324	8
Vocational education	213 130	123 108	90 022	177 578	35 552
Preparation for the fed. professional baccalaureate (after apprenticeship)	5 288	2 918	2 370	4 730	558
Basic vocational training	4 966	3 318	1 648	2 906	2 060
Pre-vocational training	1 808	819	989	971	837
Upper secondary education	317 417	167 436	149 981	263 364	54 053

Students, in 2005/06

Tertiary Level

Education level	Total	Men	Women	National origin	
				Swiss	Foreign
Higher vocational education	39 955	22 255	17 700	33 723	6 232
Higher vocational education	934	297	637	834	100
<i>Vocational college degree (conferring right to attend UAS¹)</i>	795	271	524	765	30
<i>Vocational colleges</i>	9 796	7 037	2 759	8 503	1 293
<i>Preparation for professional or master's examinations</i>	4 278	2 762	1 516	3 880	398
<i>Preparation for trade examinations</i>	11 623	6 979	4 644	10 221	1 402
<i>Other</i>	12 529	4 909	7 620	9 520	3 009
University	166 449	87 264	79 185	133 116	33 333
Universities of applied sciences	54 140	30 083	24 057	46 013	8 127
Universities	112 309	57 181	55 128	87 103	25 206
<i>Humanities and social sciences</i>	41 685	15 028	26 657	33 909	7 776
<i>Economics</i>	14 233	9 920	4 313	9 989	4 244
<i>Law</i>	13 247	6 314	6 933	11 328	1 919
<i>Exact and natural sciences</i>	18 714	12 043	6 671	13 238	5 476
<i>Medicine/pharmacy</i>	10 706	4 193	6 513	9 157	1 549
<i>Engineering</i>	10 940	8 163	2 777	7 238	3 702
<i>Interdisciplinary and others</i>	2 784	1 520	1 264	2 244	540
Tertiary level	206 404	109 519	96 885	166 839	39 565
Not specified	9 562	4 877	4 685	1 159	8 403

¹ UAS=University of applied sciences

Pupils, in 2005/06

Compulsory Education, Cantons, Class Size

Canton	Compulsory education ¹			Pupils per class ²	
	Total	Primary	Lower secondary	Primary	Lower secondary
ZH	115 921	74 638	41 283	20.6	18.8
BE	91 078	58 500	32 578	18.6	18.9
LU	41 434	27 069	14 365	19.7	19.0
UR	3 836	2 498	1 338	18.0	16.1
SZ	15 062	9 838	5 224	18.5	19.3
OW	4 062	2 470	1 592	18.2	18.0
NW	4 317	2 783	1 534	17.7	18.9
GL	4 125	2 640	1 485	18.0	17.1
ZG	10 268	6 577	3 691	19.1	17.3
FR	30 501	19 795	10 706	19.7	20.3
SO	24 360	15 266	9 094	19.8	19.0
BS	14 330	5 785	8 545	18.9	19.0
BL	24 604	12 837	11 767	19.0	19.7
SH	7 352	4 629	2 723	19.4	18.0
AR	6 356	4 085	2 271	19.7	18.6
AI	2 089	1 274	815	19.3	19.9
SG	51 957	32 277	19 680	19.8	19.2
GR	18 950	11 787	7 163	16.7	15.9
AG	60 264	30 937	29 327	20.2	18.2
TG	27 097	17 057	10 040	20.0	22.0
TI	28 990	16 055	12 935	19.0	20.4
VD	68 822	30 162	38 660	19.6	19.4
VS	31 763	20 394	11 369	19.5	20.9
NE	17 824	9 710	8 114	18.2	18.9
GE	44 846	29 831	15 015	20.0	19.2
JU	7 948	5 198	2 750	17.1	20.3
Switzerland	758 156	454 092	304 064	19.5	19.1

¹ The 48 749 pupils in special education programme are excluded

² Public education

Teachers in 2004/05 and Staff Employed in Universities 2005 (public education)

Education level <i>Type of personnel</i>	Persons			Full-time equivalents ¹
	Total	of whom		Total
		Women %	Foreign %	
Pre-primary²	13 700	94.6³	2.0³	8 300
Compulsory education	73 200	65.1³	3.3³	52 400
Primary ⁴	42 800	78.2 ³	1.7 ³	29 400
Lower secondary ⁵	34 000	49.8 ³	5.3 ³	23 000
Special education programme	.	.	.	.
Upper secondary education	11 500	40.0³	6.1³	6 900
General education ^{6,7}	11 500	40.0 ³	6.1 ³	6 900
Vocational education	.	.	.	.
Tertiary level				
University	44 321	39.8	33.7	29 848
<i>Professors</i>	3 055	12.4	42.1	2 729
<i>Other teaching staff</i>	6 727	23.7	26.7	2 388
<i>Assistants and scientific personnel</i>	21 136	37.3	45.4	14 377
<i>Clerical and technical personnel</i>	13 403	58.2	16.9	10 353
Universities of applied sciences	32 226	39.7	14.1	9 724
<i>Professors</i>	5 336	30.0	17.4	3 447
<i>Other teaching staff</i>	18 526	38.9	13.1	1 821
<i>Assistants and scientific personnel</i>	3 242	33.3	16.0	1 623
<i>Clerical and technical personnel</i>	5 122	56.6	12.9	2 832

¹ Full-time equivalents are expressed as the ratio of actual hours employed and the normal hours of a person employed full-time (e.g. a person employed for 50 percent of a full-timer counts as 0,5 full-time equivalents).

² For cantons that did not provide us with data, the number of teachers and the number of teachers in full-time equivalents were estimated on the basis of the cantonal «student/teacher (full-time equivalent)» ratio calculated at the end of the 90s. Based on estimates, the number of teachers accounts for 14% of the total; in full-time equivalents, the percentage is 13%. The figures include all teachers working at the level of education considered.

³ Percentages are calculated taking into account only those cantons that provided us with data.

⁴ For cantons that did not provide us with data, the number of teachers and the number of teachers in full-time equivalents were estimated on the basis of the cantonal «student/teacher (full-time equivalent)» ratio calculated at the end of the 90s. Based on estimates, the number of teachers accounts for 10% of the total; in full-time equivalents,

the percentage is 13%. The figures include all teachers working at the level of education considered.

⁵ For cantons that did not provide us with data, the number of teachers and the number of teachers in full-time equivalents were estimated on the basis of the cantonal «student/teacher (full-time equivalent)» ratio calculated at the end of the 90s. Based on estimates, the number of teachers accounts for 9% of the total; in full-time equivalents, the percentage is 14%. The figures include all teachers working at the level of education considered.

⁶ Preparatory school, other general education school, teacher-training school.

⁷ For cantons that did not provide us with data, the number of teachers and the number of teachers in full-time equivalents were estimated on the basis of the cantonal «student/teacher (full-time equivalent)» ratio calculated at the end of the 90s. Based on estimates, the number of teachers accounts for 14% of the total; in full-time equivalents, the percentage is 13%. The figures include all teachers working at the level of education considered.

Selected degrees and certificates, in 2005

Type	Total	Men		Women	
		in figures	%	in figures	%
Upper secondary					
Certificate of basic vocational education	2 526	1 719	68.1	807	31.9
Federal proficiency certificate	51 182	29 038	56.7	22 144	43.3
Federal certificate	94	81	86.2	13	13.8
Proficiency certificate (other professions)	3 486	1 156	33.2	2 330	66.8
Intermediate school diploma	2 617	433	16.5	2 184	83.5
Trade diploma	2 855	1 234	43.2	1 621	56.8
Federal professional baccalaureate	10 719	6 005	56.0	4 714	44.0
Academic baccalaureate	16 471	7 114	43.2	9 357	56.8
Teachers certificate (primary school, home economics, arts and crafts, kindergarten)	633	127	20.1	506	79.9
Tertiary level					
Higher vocational education					
Diploma from other higher vocational education	10 613	3 530	33.3	7 083	66.7
Federal certificate of expertise	12 251	8 229	67.2	4 022	32.8
Master's/federal diploma	2 556	2 106	82.4	450	17.6
Vocational colleges	4 055	2 888	71.2	1 167	28.8
University					
Degree from university of applied sciences	7 889	4 764	60.4	3 125	39.6
University of applied sciences Bachelor's degree	684	86	12.6	598	87.4
First university degree or diploma	9 251	4 519	48.8	4 732	51.2
University Bachelor's degree	2 927	1 744	59.6	1 183	40.4
University Master's degree	1 294	907	70.1	387	29.9
Doctorate	3 093	1 947	62.9	1 146	37.1

Educational Attainment at Age 20, Distribution in %

Type of completed upper secondary education	Total		Men		Women	
	1995/96	2005/06	1995/96	2005/06	1995/96	2005/06
Vocational education ¹	65	70	72	77	57	61
Academic						
baccalaureate	17	19	17	16	18	22
Teacher training ²	3	0	1	0	4	0
No completed education ³	15	11	10	7	21	17
Total	100	100	100	100	100	100

¹ Vocational education of two or more years' duration only. Estimate: The ratio of persons with a completed upper secondary vocational education equals the sum of the ratios of students in the second year of vocational education to the total population for each year of 16 to 21 year olds.

² Pre-primary, primary, arts and crafts and home economics teachers.

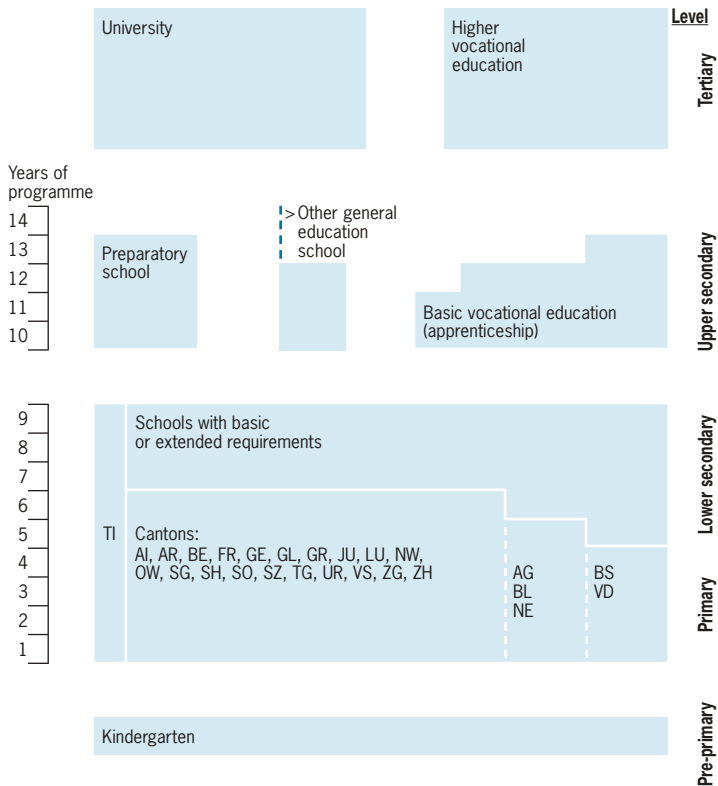
³ Completion of one-year vocational education possible.

Public Expenditure for Education 2004

Educational level	In CHF millions				
	Total	%	Institution		
			Confederation	Canton	Communes
Pre-primary	896.4	3.4	0.0	305.7	590.7
Compulsory education	11 297.3	42.3	19.7	4 879.6	6 397.9
Special education programme	1 203.5	4.5	0.0	506.4	697.1
Vocational education	3 251.3	12.2	511.2	2 522.3	217.8
Upper secondary					
general education	2 065.8	7.7	11.3	1 950.3	104.2
Higher vocational education	197.0	0.7	6.9	188.3	1.8
Universities, universities of applied sciences	7 265.2	27.2	3 645.7	3 612.6	6.9
Other tasks	515.4	1.9	46.3	430.7	38.4
Total	26 691.9	100.0	4 241.1	14 396.0	8 054.8
Of which salaries	17 684.2		...	...	...
<i>Teachers' salaries only</i>	13 488.2		...	...	...

Source: Federal Finance Administration

The Swiss Education System (simplified presentation)



Valid for the school year 2005/06

Information:

Order number: 420-0600

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Other parts of the educational system: Schulstat@bfs.admin.ch