

B Number of students and enrolment rates in extended primary, integrated upper secondary, and tertiary education, Sweden 1768-2002

B.1 Number of students: Data sources and calculations

The time-series on the expansion of Swedish education from 1768-2002 is based on the three levels used in today's educational system: extended primary, integrated upper secondary, and tertiary education.

B.1.1 Extended primary education

The number of students attending extended primary school from 1972-2001 has been collected from different volumes of the Statistic Sweden's Statistical abstracts.¹ Before 1972 students at this level could either attend extended primary education, or primary education and lower secondary education. Thus, the pre-1972 attendance has been obtained by adding a series for primary and extended primary enrolment² onto a series of lower secondary education.³

B.1.2 Integrated upper secondary education

For 1971-2002, Statistics Sweden has a series on enrolment in integrated secondary education.⁴ Before 1971, the series is based on upper secondary school enrolment⁵ to which enrolment in vocational schools⁶ has been added.

¹1972-2001: Stat. Abstr. 1977, tab 373; Stat. Abstr. 1982, tab 377; Stat. Abstr. 1987, tab 390; Stat. Abstr. 1992, tab 410; Stat. Abstr. 1997, tab 411; Stat. Abstr. 2002, tab 551.

²1951-1971: Stat. Abstr. 1958, tab 345; Stat. Abstr. 1962, tab 340; Stat. Abstr. 1967, tab 336; Stat. Abstr. 1972, tab 349. 1880-1950: Hist. Stat. Swed. (1960), Table 192; Table 195, Table 196. 1839, 1847, 1850, 1853, 1856, 1859: Aquilonius and Fredriksson (1941), p. 266 and p. 419. 1768, 1802, 1814: Estimates based on Sjöstrand (1961), p. 271.

³1910-1972: Yb. Ed. Stat. 1978 (1979), tab 6.1. 1768-1909: Estimate, 2% of enrolment in primary school (based on ratio of lower-secondary to primary education in 1910).

⁴Yb. Ed. Stat. 1979, tab 5.10-5.17; Stat. Abstr. 1980 tab 384; Yb. Ed. Stat. 1988; Stat. Abstr. 1994 tab 419; Stat. Abstr. 1999 tab 422; Stat. Abstr. 2004 tab 594.

⁵1959-1970: Yb. Ed. Stat. 1978 (1979), tab 6.4, tab 6.5. 1920-1958: Yb. Ed. Stat. 1978 (1979), tab 6.1. 1870-1919: Hist. Stat. Swed. (1960), tab 205, (higher certificates, enrolment estimated as 4.5 times the number of certificates). The total level of upper secondary education for the 1870-1960 period has, been computed as 1.2 times enrolment in state upper secondary schools.

⁶1958-1970: Interpolated 1951-1957: Stat. Abstr. 1958, tab 359; Stat. Abstr. 1958, tab 362. 1895-1950: Hist. Stat. Swed. (1960), Tab 200, Tab 210.

B.1.3 Tertiary education

The series is based on Historical Statistics of Sweden (1870-1950), Statistical Abstracts (1952-1961), and Yearbook of Educational Statistics (1962-2002).

B.2 Enrollment rates

The enrolment rate has been calculated as the mean number of students per grade divided by the estimated size of a one-year cohort in the relevant age bracket. The length of education in extended primary, upper secondary, and tertiary education has been taken to be 9, 3, and 3 years. The age brackets used to compute the mean size of a one-year cohort are 5-14, 15-19, and 20-24 respectively. Note that the yearly enrolment rate for some years is above 1. This is an effect of adult education which was strongly promoted in the 1990s.

Table 1: Number of students and enrolment rates in Sweden

Year	Number of students			Enrolment rates		
	primary and lower secondary	Integrated upper secondary	Tertiary	primary and lower secondary	Integrated upper secondary	Tertiary
1768	6008	.	.	0.016	.	.
1802	7709	.	.	0.018	.	.
1814	21312	.	.	0.050	.	.
1839	44143	.	.	0.073	.	.
1847	195133	.	.	0.316	.	.
1850	275098	.	.	0.436	.	.
1853	289753	.	.	0.447	.	.
1856	312353	.	.	0.468	.	.
1859	336847	.	.	0.494	.	.
1870	.	2344	1663	.	0.010	0.009
1875	.	3316	2243	.	0.014	0.011
1880	648870	3100	2699	0.779	0.012	0.012
1885	671998	4234	2930	0.781	0.017	0.012
1890	699382	4250	3542	0.775	0.017	0.017
1895	720747	4415	3255	0.771	0.016	0.014
1900	751808	5593	3230	0.779	0.020	0.013
1905	767943	7900	3716	0.790	0.026	0.014
1910	795136	11906	4541	0.785	0.040	0.017
1911	800781	13034	.	0.786	0.042	.
1912	806311	14161	.	0.787	0.046	.
1913	812915	15289	.	0.787	0.049	.
1914	819126	16416	.	0.787	0.052	.
1915	825107	17544	5637	0.784	0.055	0.020
1916	806087	19165	.	0.764	0.060	.
1917	791560	20786	.	0.749	0.064	.
1918	773152	22407	.	0.730	0.068	.
1919	755435	24028	.	0.714	0.073	.
1920	738527	25649	6131	0.699	0.077	0.020
1921	737438	26933	.	0.703	0.081	.
1922	736481	28424	.	0.709	0.085	.
1923	734861	30195	.	0.714	0.090	.
1924	733506	31610	.	0.722	0.093	.
1925	731073	32297	7120	0.731	0.094	0.022
1926	724896	33553	.	0.720	0.097	.
1927	718650	34604	.	0.714	0.100	.
1928	713294	35627	.	0.715	0.103	.
1929	707270	37517	.	0.716	0.109	.

Year	Number of students			Enrollment rates		
	primary and lower secondary	Integrated upper secondary	Tertiary	primary and lower secondary	Integrated upper secondary	Tertiary
1930	701824	39738	7528	0.720	0.117	0.023
1931	700348	43191	.	0.725	0.129	.
1932	699902	46939	.	0.735	0.142	.
1933	699651	50900	.	0.747	0.156	.
1934	700351	54900	.	0.758	0.171	.
1935	699247	58856	9372	0.770	0.186	0.028
1936	684507	62844	.	0.783	0.193	.
1937	670913	67094	.	0.793	0.203	.
1938	655469	71153	.	0.794	0.215	.
1939	640126	75062	.	0.796	0.228	.
1940	624993	78829	9263	0.795	0.240	0.030
1941	592801	88386	9574	0.769	0.283	0.030
1942	585852	96037	9746	0.768	0.321	0.030
1943	581694	102314	9982	0.767	0.352	0.030
1944	579753	108434	10438	0.765	0.383	0.032
1945	586539	119295	10855	0.768	0.435	0.033
1946	593139	125889	10861	0.772	0.469	0.035
1947	612080	136279	10942	0.784	0.515	0.036
1948	626128	146126	11468	0.776	0.558	0.039
1949	664952	155003	12249	0.786	0.605	0.043
1950	694199	162933	13121	0.778	0.644	0.047
1951	741770	153620	.	0.791	0.615	.
1952	783406	148625	18609	0.801	0.594	0.069
1953	833430	143049	19942	0.822	0.567	0.075
1954	868354	151938	20991	0.833	0.586	0.080
1955	913309	158388	22647	0.858	0.590	0.088
1956	946289	168512	25824	0.875	0.612	0.101
1957	966563	180564	27216	0.887	0.639	0.106
1958	976379	184267	30113	0.898	0.621	0.117
1959	978391	187970	32902	0.911	0.597	0.124
1960	985837	191673	36909	0.938	0.572	0.135
1961	979940	195375	40184	0.952	0.548	0.144
1962	962231	199078	44431	0.952	0.528	0.154
1963	940082	202781	48692	0.947	0.524	0.160
1964	942865	206484	57698	0.966	0.531	0.178
1965	936647	210186	66413	0.972	0.550	0.192
1966	930073	213889	76359	0.975	0.576	0.207
1967	929000	217592	95189	0.976	0.606	0.244
1968	931764	221295	110344	0.980	0.636	0.277
1969	925236	224997	115193	0.966	0.658	0.286

Year	Number of students			Enrollment rates		
	primary and lower secondary	Integrated upper secondary	Tertiary	primary and lower secondary	Integrated upper secondary	Tertiary
1970	941637	228700	123195	0.964	0.684	0.307
1971	955897	232403	120286	0.961	0.702	0.305
1972	977454	235331	115750	0.969	0.716	0.305
1973	989147	229513	110667	0.971	0.705	0.304
1974	1000934	220997	108522	0.977	0.686	0.309
1975	1016014	219728	110012	0.990	0.681	0.323
1976	1026847	221153	113790	0.994	0.691	0.338
1977	1033086	226457	148386	0.991	0.710	0.440
1978	1037910	237113	156771	0.990	0.742	0.466
1979	1043043	250437	154541	0.997	0.772	0.462
1980	1043333	269393	152280	1.008	0.803	0.455
1981	1031964	284587	157617	1.013	0.819	0.474
1982	1018631	260643	161589	1.022	0.729	0.491
1983	998974	268351	163685	1.027	0.736	0.499
1984	976346	265576	164601	1.023	0.729	0.497
1985	959132	256670	185021	1.015	0.722	0.543
1986	945210	250753	180661	1.011	0.722	0.512
1987	934347	251721	185676	1.017	0.736	0.510
1988	920782	292610	188359	1.018	0.868	0.506
1989	905604	289584	193201	1.015	0.861	0.517
1990	894558	292046	203188	1.012	0.859	0.553
1991	881523	297256	221943	0.997	0.880	0.615
1992	877685	310271	241860	0.985	0.940	0.682
1993	887325	313679	256442	0.984	0.975	0.735
1994	893932	309952	269655	0.967	0.989	0.776
1995	916661	312375	285752	0.964	1.016	0.814
1996	938869	309661	300948	0.963	1.018	0.865
1997	958972	312936	305328	0.960	1.036	0.900
1998	984171	309143	310232	0.963	1.025	0.941
1999	1010227	305579	319067	0.970	1.010	0.997
2000	1034881	305270	330001	0.982	1.008	1.057
2001	1051929	311121	354652	0.996	1.020	1.144
2002	.	322587	385323	0.000	1.036	1.245

References

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