



EDUCATION AND
TRAINING IN DENMARK
– Facts and Key Figures



THE MINISTRY OF
CHILDREN
AND EDUCATION

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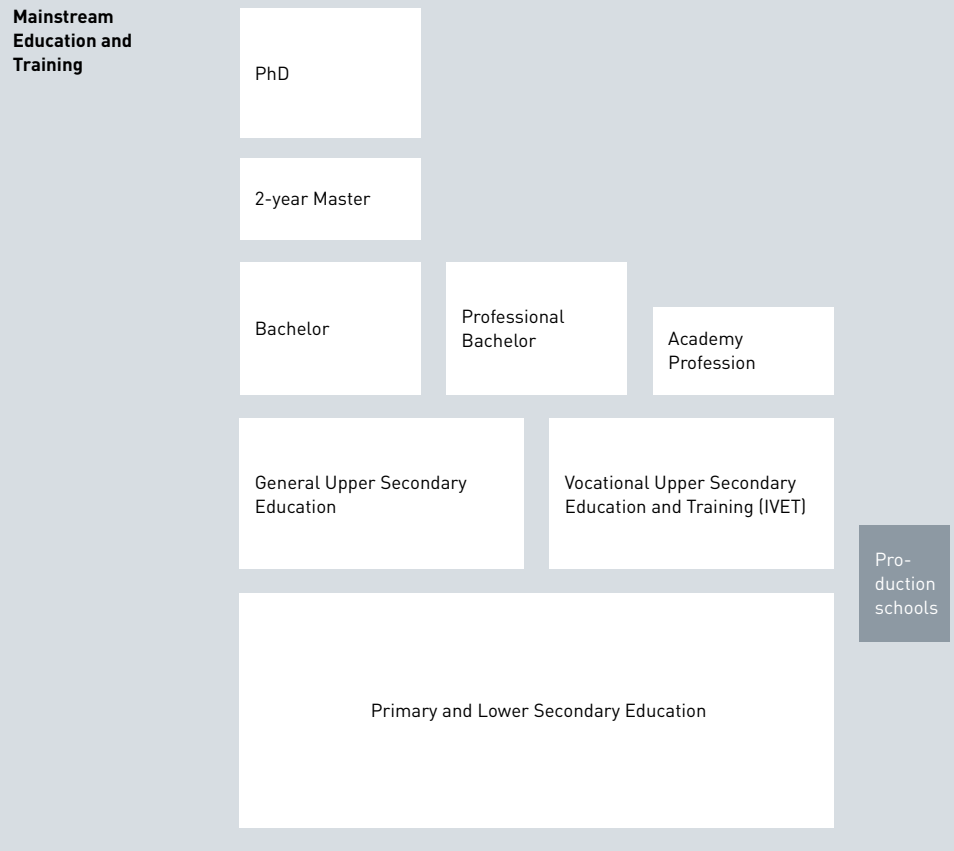
DANISH PRESIDENCY
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EDUCATION AND TRAINING IN DENMARK

The Danish education and training system is composed of two parallel systems: the mainstream education and training system and the adult education and continuing training system. The qualification levels of both systems are generally comparable and facilitate credit transfer between the two systems.

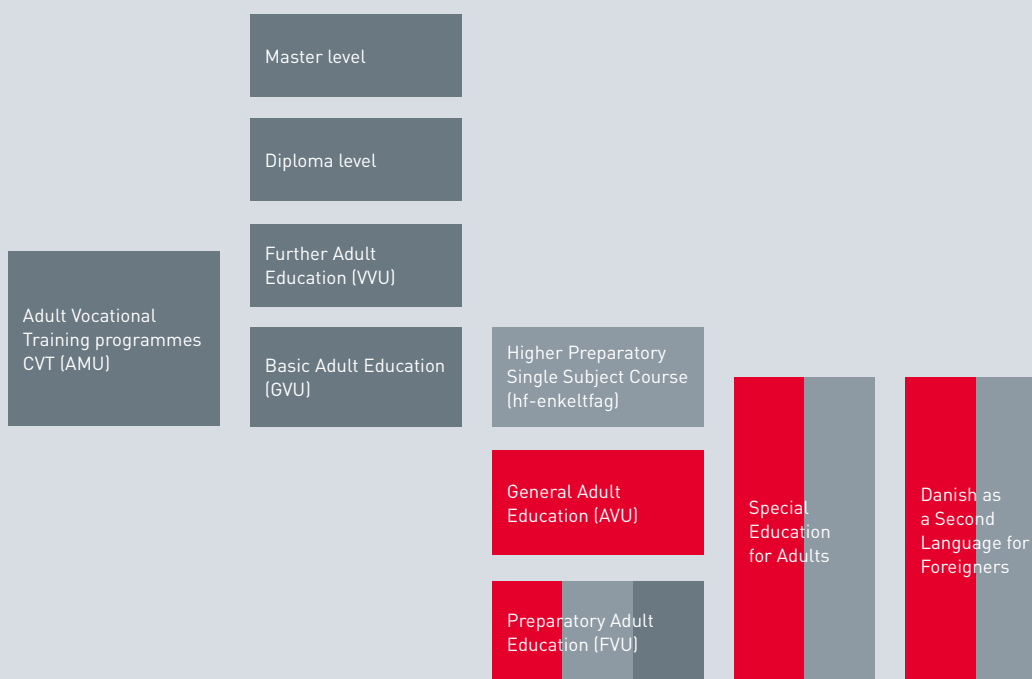
Figure 1 shows the structures of and the connections between the mainstream education and training system and the adult education and continuing training system.

Figure 1: The two parallel education and training systems



Adult Education and Continuing Training

- Mainstream Education
- Vocational Adult Education
- General Adult Education
- Non-formal Adult Education



THE MAINSTREAM EDUCATION AND TRAINING SYSTEM

Primary and Lower Secondary Education

Compulsory primary and lower secondary education consists of one year of pre-school and form 1 to 9. It gives admission to general and initial vocational upper secondary education and training (IVET); however, the pupils may choose to continue in form 10.

The municipal schools (including schools for children with special needs) cover the teaching of the majority of the pupils and are free of charge. Parents may choose to send their children to private independent schools which are financed by state subsidies and parent contributions. The continuation schools (boarding schools) cover form 8-10 and are self-governing institutions financed by state subsidies and parent contributions.

Upper Secondary Education

Upper secondary education includes general upper secondary education and the initial vocational upper secondary education and training programmes (IVET programmes - the Danish abbreviation: EUD).

The general upper secondary education programmes are preparatory to higher education and comprise the 3-year upper secondary school leaving examination (stx), the 3-year

higher commercial examination (hhx), the 3-year higher technical examination (htx), and the 2-year higher preparatory examination (hf).

The IVET system includes agricultural, commercial, technical and social and health care programmes. IVET consists of a basic programme which is broad in scope and followed by a specialized programme. There are 12 vocational basic programmes, which are typically school-based, and 109 specialized programmes. In the specialized programmes the students alternate between school-based education and training and in-company-based training. The duration of the IVET-programmes is normally 3-4 years but may vary between 1½ and 5½ years.

Since 2010 it has been possible in the "eux-programme" to combine a qualification at general upper secondary level with an IVET-qualification.

Tertiary Education

Tertiary education constitutes the educational continuation of upper secondary education. The short-cycle tertiary education includes among others, the vocational academy education, the medium-cycle tertiary education including the university bachelor programmes,

the professional bachelor programmes, and other medium duration higher education programmes. Furthermore, the long-cycle tertiary education including 2-year master's programmes (candidatus) and PhD programmes.

Academies of professional higher education offer academy professional programmes, university colleges offer professional bachelor programmes, and universities offer research-based study programmes in all three cycles up to PhD level.

THE ADULT EDUCATION AND CONTINUING TRAINING SYSTEM

Education and Training Programmes for Adults

Denmark has a long tradition for lifelong learning and has the highest participation rate in the EU with more than 30 per cent of the workforce, aged 25-64, participating in adult education and training.

Education and training programmes for adults (VEU) are continuing education and training with the purpose of qualifying the workforce and the adult population in general for employment and further education and training.

The general adult education programmes comprise: Preparatory Adult Education (FVU), General Adult Education (AVU), and higher preparatory single subject courses (hf-enkeltfag).

The vocational adult education and continuing training programmes comprise: Adult Vocational Training (AMU), Basic Adult Education (GVU), higher adult education programmes, diploma programmes, and master's programmes.

In the following the trends and developments in the Danish education and training system will be presented in a series of key figures in tables and graphs.

Table 1: Number of educational institutions, 2011

	2011 IN NUMBERS
Primary and lower secondary schools	2,201
– Municipal schools	1,408
– Continuation schools	266
– Private schools	527
Other schools with primary and lower secondary education (1)	322
Other institutions within the field of primary and lower secondary schools (2)	95
Adult education institutions	225
General upper secondary schools	149
Vocational colleges etc.	105
Academies of professional higher education	12
University colleges, engineering colleges etc.	9
Universities	8
Other institutions with higher education	69
Educational institutions, total	3,195

Comments: The table shows legal entities – i.e. independent institutions and administrative units with one or more departments.

Note 1: Comprises municipal youth schools, youth boarding schools and special schools for children. Furthermore, special needs day schools and community homes.

Note 2: Comprises household and needlecraft schools as well as production schools.

Source: Ministry of Children and Education, data extracted October 2011.

Table 2: Pupils/students in the main education system by gender, number and percentage 2010

	MEN		WOMEN		TOTAL	
	IN NUMBERS	PER CENT	IN NUMBERS	PER CENT	IN NUMBERS	PER CENT
Primary and lower secondary schools	365,421	51	348,228	49	713,649	100
- compulsory part	345,656	51	328,872	49	674,528	100
- form 10 etc. [1]	19,765	51	19,356	49	39,121	100
Non-qualifying education	3,858	61	2,473	39	6,331	100
General upper secondary education	61,159	47	70,346	53	131,505	100
Vocational upper secondary education and training (IVET)	71,521	56	56,717	44	128,238	100
- Basic programme	26,600	58	19,519	42	46,119	100
- Specialized programme	43,093	54	36,374	46	79,467	100
- Other IVET	1,828	69	824	31	2,652	100
Short-cycle tertiary education	11,370	55	9,372	45	20,742	100
Medium-cycle tertiary education	54,934	40	81,811	60	136,745	100
- Professional bachelor education	23,715	34	45,421	66	69,136	100
- Other medium-cycle tertiary education	996	54	848	46	1,844	100
- University bachelor education	30,223	46	35,542	54	65,765	100
Long-cycle tertiary education (candidatus)	25,124	44	32,559	56	57,683	100
PhD etc.	4,587	51	4,328	49	8,915	100
Total	597,974	50	605,834	50	1,203,808	100

Note 1: Includes form 11 and Maritime Preparatory Course
Source: Ministry of Children and Education.

Table 3: Pupils/students in the main education system by ethnicity, number and percentage 2010

	DANISH ORIGIN		ETHNIC ORIGIN OTHER THAN DANISH (1)		TOTAL	
	IN NUMBERS	PER CENT	IN NUMBERS	PER CENT	IN NUMBERS	PER CENT
Primary and lower secondary schools	639,680	90	73,969	10	713,649	100
- compulsory part	604,777	90	69,751	10	674,528	100
- form 10 etc. [2]	34,903	89	4,218	11	39,121	100
Non-qualifying education	5,693	90	638	10	6,331	100
General upper secondary education	118,719	90	12,786	10	131,505	100
Vocational upper secondary education and training (IVET)	113,214	88	15,024	12	128,238	100
- Basic programme	39,854	86	6,265	14	46,119	100
- Specialized programme	70,964	89	8,503	11	79,467	100
- Other IVET	2,396	90	256	10	2,652	100
Short-cycle tertiary education	14,751	71	5,991	29	20,742	100
Medium-cycle tertiary education	116,214	85	20,531	15	136,745	100
- Professional bachelor education	58,446	85	10,690	15	69,136	100
- Other medium-cycle tertiary education	1,600	87	244	13	1,844	100
- University bachelor education	56,168	85	9,597	15	65,765	100
Long-cycle tertiary education (candidatus)	45,158	78	12,525	22	57,683	100
PhD etc.	6,184	69	2,731	31	8,915	100
Total	1,059,613	88	144,195	12	1,203,808	100

Note 1: Includes unknown, not indicated

Note 2: Includes form 11 and Maritime Preparatory Course

Source: The Ministry of Children and Education.

Table 4: Completion rates by gender and ethnicity, 2010

	MEN	WOMEN	TOTAL	DANISH ORIGIN	ETHNIC ORIGIN OTHER THAN DANISH (1)	TOTAL
	PER CENT	PER CENT	PER CENT	PER CENT	PER CENT	PER CENT
Primary and lower secondary schools						
- compulsory part	99	99	99	99	98	99
- form 10 etc. [2]	92	93	92	93	89	92
Non-qualifying education	95	95	95	94	98	95
General upper secondary education	84	88	86	87	78	86
Vocational upper secondary education and training (IVET)	52	57	54	56	44	54
- Basic programme	71	75	72	74	63	72
- Specialized programme	81	81	81	82	77	81
- Other IVET	52	53	52	54	35	52
Short-cycle tertiary education	71	74	72	76	63	72
Medium-cycle tertiary education	74	80	78	79	73	78
- Professional bachelor education	71	79	76	77	72	76
- Other medium-cycle tertiary education	76	87	80	80	85	80
- University bachelor education	69	74	72	73	68	72
Long-cycle tertiary education (candidatus)	83	84	84	84	82	84
PhD etc.	88	90	89	90	87	89

Note 1: Includes unknown, not indicated

Note 2: Includes form 11 and Maritime Preparatory Course

Source: Ministry of Children and Education.

Figure 2: Age distribution of students in vocational upper secondary education and training (IVET), 2010

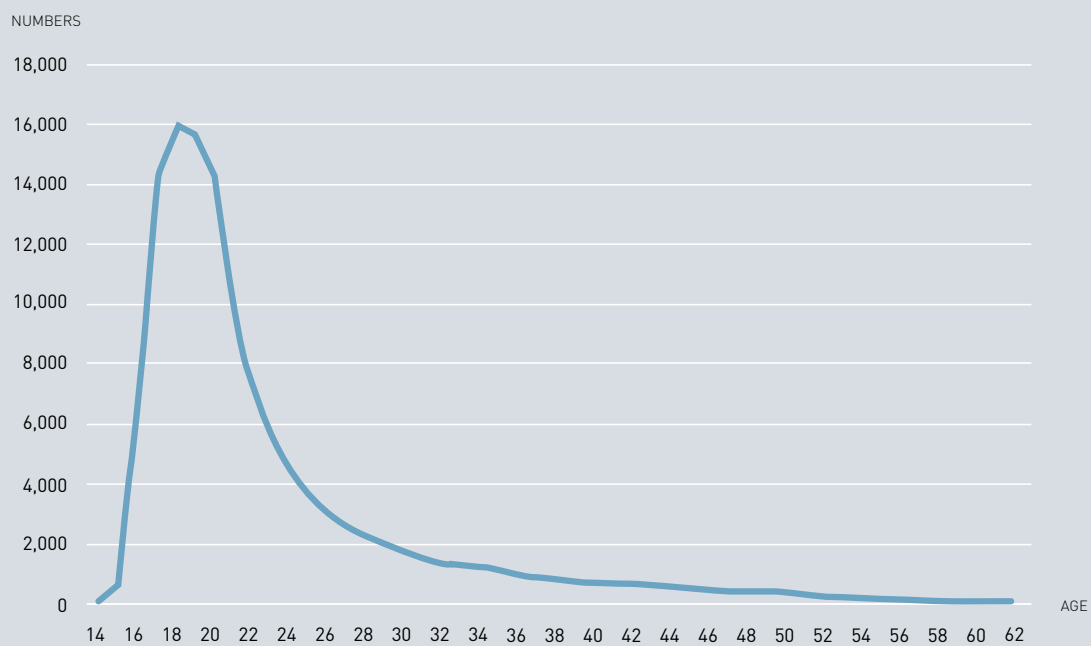


Table 5: IVET: Ongoing internship training contracts, internship applicants, and students in school-based practical training, Dec. 2010-Nov. 2011

12 VOCATIONAL ACCESS CHANNELS	NUMBER OF ONGOING INTERNSHIP TRAINING CONTRACTS, NOV. 2011	AVERAGE NUMBER OF INTERNSHIP APPLICANTS, DEC. 2010-NOV. 2011 (1)	AVERAGE NUMBER OF STUDENTS IN SCHOOL-BASED PRACTICAL TRAINING, DEC. 2010-NOV. 2011 (2)
Automobile, aircraft, and other transportation	4,866	984	442
Building and construction	10,197	1,880	1,114
Building and user service	969	66	25
Animals, plants, and nature	4,595	318	212
Body and style	1,971	157	81
Human food	5,564	470	150
Media production	1,009	458	204
Commercial	15,924	2,151	595
Production and development	4,817	783	540
Electricity, automation, and IT	5,010	851	299
Health, care, and pedagogy	17,379	151	80
Transportation and logistics	2,328	208	114
Total number	74,629	8,478	3,855

Note 1: Internship applicants are students without a current or future internship training contract.

Furthermore, it is required that the students have completed the basic course and have an updated search request and/or are in school-based practical training.

Note 2: School-based practical training is an offer to students in IVET that do not have or have had an internship training contract. School-based practical training is a way in which students can complete the practice part of a vocational education without practical training in a company.

Source: Ministry of Children and Education.

Table 6: Full time equivalent students in adult education and continuing training, 2009/2010

	FULL TIME EQUIVALENT STUDENTS
Lower and upper secondary level	36,758
- Preparatory adult education (FVU)	1,839
- General adult education (avu)	8,288
- Supplementary examination courses (GSK) (1)	1,822
- Higher preparatory single subject course (hf-enkeltfag)	10,934
- Other general (2)	13,875
Vocational oriented level (3)	16,433
- Adult vocational training (AMU)	16,433
Tertiary level	17,445
- Short-cycle tertiary education (4)	2,756
- Medium-cycle tertiary education	12,716
- Long-cycle tertiary education	1,973
Total (5)	70,635

Comments: Includes education programmes under the responsibility of ministries other than the Ministry of Children and Education.

Note 1: Includes all other supplementary examination courses than higher preparatory single subject courses.

Note 2: Includes participants in other adult education and continuing training: Danish for adult migrants, training of dyslexia, teaching in folk high schools etc.

Note 3: Does not include open education activity at the vocational colleges in the first half of 2010.

Note 4: Does not include higher adult education programmes' (VVU) activity at the vocational colleges in the first half of 2010.

Note 5: The 70,636 full time equivalent students correspond to approx. 634,000 persons, participating in one or more adult education and continuing training programmes.

Source: Ministry of Children and Education.

Table 7: Full time equivalent students in adult education and continuing training, by age and gender 2009/2010

	MEN	WOMEN	TOTAL
Lower and upper secondary level	13,953	22,804	36,758
-24 years	6,566	9,794	16,361
25-39 years	4,282	7,809	12,091
40-54 years	1,810	3,100	4,910
55- years	1,295	2,100	3,395
Vocationally oriented level (1)	10,558	5,875	16,433
-24 years	1,320	551	1,871
25-39 years	3,926	1,990	5,917
40-54 years	4,016	2,571	6,587
55- years	1,295	763	2,058
Tertiary level (2)	6,647	10,798	17,445
-24 years	695	725	1,420
25-39 years	3,461	4,741	8,202
40-54 years	2,050	4,713	6,764
55- years	440	619	1,059
Total	31,158	39,477	70,635

Comments: Includes education programmes under the responsibility of ministries other than the Danish Ministry of Children and Education.

Note 1: Does not include open education activity at the vocational colleges in the first half of 2010.

Note 2: Does not include higher adult education programmes' (VU) activity at the vocational colleges in the first half of 2010.

Source: Ministry of Children and Education.

Table 8: Danish students participating in vocational upper secondary education and training (IVET) abroad, 2007-2010

	2007	2008	2009	2010
Danish IVET-students abroad	2,185	2,399	2,702	2,799
Total number of IVET-students in Denmark	124,914	123,981	128,130	128,238
Proportion of IVET-students abroad	1.8 per cent	1.9 per cent	2.1 per cent	2.2 per cent

Comments: The number of Danish IVET-students abroad includes students in internship in foreign enterprises and students participating in education in foreign schools.

Source: Ministry of Children and Education and Ministry of Science, Innovation and Higher Education.

Table 9: Danish students in tertiary education abroad, 2005-2010

	2005/06	2006/07	2007/08	2008/09	2009/10
Tertiary education exchange	4,758	4,848	5,056	5,821	6,351
- Academy profession	142	159	193	183	392
- Professional bachelor	1,001	1,028	999	1,151	1,115
- University (bachelor and 2-year master) (1)	3,615	3,661	3,864	4,487	4,844
Full-degree tertiary education	3,596	3,252	3,149	3,196	3,474
Total number	8,354	8,100	8,205	9,017	9,825

Comments: Exchange students are students studying abroad temporarily for a period of at least three months.

Full-degree students are students enrolled in a full-degree programme in a country other than their country of origin.

Note 1: Incl. tertiary education and training in the areas of art and culture under the Ministry of Culture.

Source: Ministry of Culture, Ministry of Children and Education, Ministry of Science, Innovation and Higher Education.

Table 10: International students in tertiary education in Denmark, 2005-2010

	2005/06	2006/07	2007/08	2008/09	2009/10
Tertiary education exchange	6,494	6,816	7,323	7,902	8,678
- Academy profession	230	255	307	366	342
- Professional bachelor	1,534	1,761	1,718	2,026	2,276
- University (bachelor and 2-year master) (1)	4,730	4,800	5,298	5,510	6,060
Full-degree tertiary education	9,751	10,727	11,718	13,209	15,807
- Academy profession	1,252	1,374	1,917	2,629	3,579
- Professional bachelor	1,582	1,805	1,960	2,264	2,821
- University (bachelor and 2-year master) (2)	6,917	7,548	7,841	8,316	9,407
Total	16,245	17,543	19,041	21,111	24,485

Comments: Exchange students are students studying abroad temporarily for a period of at least three months.
Full-degree students are students enrolled in a full-degree programme in a country other than their country of origin.
Note 1: Incl. tertiary education and training in the areas of art and culture under the Ministry of Culture.
Note 2: International PhD students are not included.
Source: Ministry of Culture, Ministry of Children and Education, Ministry of Science, Innovation and Higher Education.

Table 11: Work force¹ (15-69 years old) by highest completed education, 2010

	2010 IN NUMBERS	2010 PER CENT
Lower secondary education	1,186,343	30
General upper secondary education	327,816	8
Vocational upper secondary education and training	1,261,317	32
Short-cycle tertiary education	179,931	5
Medium-cycle tertiary education	568,323	14
- Professional bachelor education	426,138	11
- Other medium-cycle tertiary education	68,161	2
- University bachelor education	74,024	2
Long-cycle tertiary education	249,122	6
PhD etc.	15,652	0
Unknown	138,805	4
Total	3,927,309	100

Note 1: The work force is comprised of persons in the age group of 15-69 who are either working or unemployed.
Source: Ministry of Children and Education.

Table 12: Percentage of a youth cohort that is expected to attain at least upper secondary education and the percentage that is expected to attain a tertiary education, 2010

	2010 IN PER CENT
At least an upper secondary education	90
Tertiary education	54
- Short-cycle tertiary education	5
- Medium-cycle tertiary education	24
- Long-cycle tertiary education	24

Comments: An estimation of which course of study future youth cohorts will take over the next 25 years after completing lower secondary school (form 9) in 2010, assuming that the educational behaviour of a cohort throughout the period corresponds to the behaviour in the educational system during the year when the cohort in question completed form 9.

Source: Ministry of Children and Education.

Table 13: Public student grants and student loans as a percentage of total public expenditure for tertiary education, 2008

	SCHOLARSHIPS/ OTHER	STUDENT LOANS	FINANCIAL AID TO STUDENTS
	GRANTS TO HOUSEHOLDS		(STUDENT GRANTS PLUS STUDENT LOANS)
	PER CENT	PER CENT	PER CENT
Austria	17.4	:	17.4
Belgium	13.2	n	13.2
Czech Republic	4.9	:	4.9
Denmark (1)	24.0	4.4	28.4
Estonia	7.4	:	7.4
Finland	14.7	n	14.7
France	7.4	:	7.4
Germany	12.7	6.1	18.9
Greece	:	:	:
Hungary	14.3	n	14.3
Iceland	n	22.5	22.5
Ireland	12.7	n	12.7
Italy	20.2	n	20.2
Luxembourg	:	:	:
The Netherlands	11.7	17.2	28.9
Poland	0.5	1.0	1.5
Portugal	14.9	:	14.9
Slovak Republic (1)	16.4	1.0	17.5
Slovenia	23.2	n	23.2
Spain	9.2	0.6	9.9
Sweden	10.1	15.3	25.4
Switzerland	2.1	n	2.1
United Kingdom	3.5	27.7	31.2
OECD average	11.4	8.9	19.4
EU-21 average	12.6	4.6	16.4

Note 1: Some levels of education are included together with others.

:=Not available, missing or not applicable.

n=0

Source: OECD. Education at a Glance 2011 (www.oecd.org/edu/eag2011).

Table 14: European benchmarks for 2020

	PARTICIPATION IN EARLY CHILDHOOD EDUCATION (1)	PUPILS WITH LOW-LEVEL READING SKILLS (2)	EARLY LEAVERS FROM EDUCATION AND TRAINING (3)	STUDENTS COMPLETED TERTIARY EDUCATION (4)	ADULTS PARTICIPATING IN EDUCATION AND TRAINING (5)
	2009 PER CENT	2009 PER CENT	2010 PER CENT	2010 PER CENT	2010 PER CENT
Austria	91.3 (6 years)	27.7	8.3	23.5	13.7
Belgium	99.3 (6 years)	17.7	11.9	44.4	7.2
Bulgaria	78.5 (7 years)	41.0	13.9	27.7	1.2
Cyprus	86.4 (6 years)	:	12.6	45.1	7.7
Czech Republic	90 (6 years)	23.1	4.9	20.4	7.5
Denmark	91.9 (7 years)*	15.2	10.7	47	32.8
Estonia	95.7 (7 years)	13.3	11.6	40	10.9
Finland	71.9 (7 years)	8.1	10.3	45.7	23
France	100 (6 years)	19.8	12.8	43.5	5
Germany	96 (6 years)	18.5	11.9	29.8	7.7
Greece	: (6 years)	21.3	13.7	28.4	3
Hungary	94.8 (6 years)	17.6	10.5	25.7	2.8
Ireland	73.4 (4 years)	17.2	10.5	49.9	6.7
Italy	98.2 (6 years)	21.0	18.8	19.8	6.2
Latvia	89.6 (7 years)	17.6	13.3	32.3	5
Lithuania	79.6 (7 years)	24.3	8.1	43.8	4
Luxembourg	94.6 (6 years)	26.0	7.1 ^(u)	46.1	13.4
Malta	93.9 (5 years)	:	36.9	18.6	5.7
The Netherlands	99.5 (5 years)	14.3	10.1	41.4	16.5
Poland	70.9 (7 years)	15.0	5.4	35.3	5.3
Portugal	88.2 (6 years)	17.6	28.7	23.5	5.8
Romania	82.3 (6 years)	40.4	18.4	18.1	1.3
Slovenia	91.3 (6 years)	21.2	5 ^(u)	34.8	16.2
Slovakia	77.9 (6 years)	22.3	4.7	22.1	2.8
Spain	99.3 (6 years)	19.6	28.4	40.6	10.8
Sweden	94.7 (7 years)	17.4	9.7	45.8	24.5
United Kingdom	97.3 (5 years)	18.4	14.9	43	19.4
EU-27	92.5	20.0 (6)	14.1	33.6	9.1

Note 1: Children between four years old and the age of starting compulsory primary education. Entrance age to compulsory primary education in brackets.

Note 2: 15-year-old pupils below level 2 (less than 408 points) on the PISA reading scale meaning that they are capable of completing only the least complex reading tasks.

Note 3: People aged 18-24 with at least lower secondary education and not in further education or training.

Note 4: People aged 30-34 who have successfully completed university or university-like (tertiary level) education with an education level ISCED 1997 of 5-6

Note 5: People aged 25-64, participating in education and training in the four weeks prior to the survey.

Note 6: EU-18

* In Denmark the pre-school class is now included in the compulsory education which means that the entrance age to compulsory primary education now is 6 years.

:=Not available, missing or not applicable, u=Unreliable or uncertain data

Source: Eurostat, 20 Oct. 2011 (<http://epp.eurostat.ec.europa.eu>), data on population, extracted in April 2011

Further information:

Ministry of Children and Education: <http://eng.uvm.dk/>

Ministry of Science, Innovation and Higher Education: <http://en.fivu.dk/>

Danish Agency for Universities and Internationalisation: <http://en.iu.dk/>

The Education Guide: <http://www.ug.dk/>

Official co-operation in the Nordic region <http://www.norden.org/en>

Rounding up/off in tables

In some tables it has been necessary to make a rounding up or off.

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