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SOM FORTELLER

Facts about education in Norway 2020

– key figures 2018

Facts about education in Norway 2020 – key figures 2018

This brochure contains key figures for education statistics in Norway. The statistics are based on figures for 2018.

Further information on education statistics is available on Statistics Norway's web site:

<https://www.ssb.no/en/utdanning>

<https://www.ssb.no/en/statbank>

<https://www.ssb.no/en/offentlig-sektor/kostra>

The brochure has been published on commission by the Ministry of Education and Research.

Facts about Norway

Official name: The Kingdom of Norway

System of government: Constitutional Monarchy

Area 2019:

The Kingdom of Norway: 385 204 km²

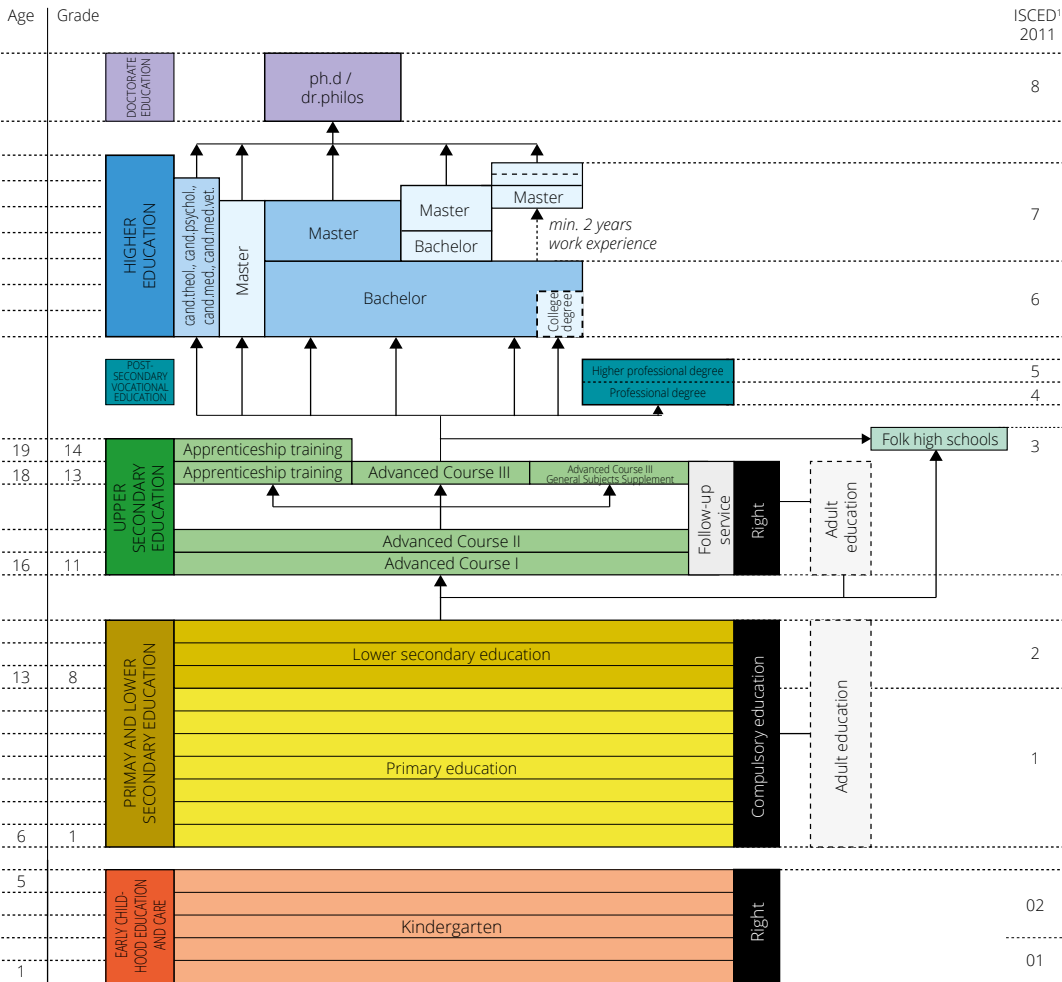
Mainland: 323 805 km²

Svalbard and Jan Mayen: 61 399 km²

Population 1 January 2019: 5 328 212

Monetary unit: Norwegian kroner, NOK

The Norwegian education system 2020



¹ ISCED = International Standard Classification of Education.

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- **KINDERGARTENS** are pedagogical institutions for children below compulsory school age. Children who reach the age of one no later than by the end of August in the year a kindergarten place has been sought, are, upon application, entitled to a place in a kindergarten from August. Children who reach the age of one in September, October or November are entitled to a place in a kindergarten from the month they reach the age of one.
- **PRIMARY AND LOWER SECONDARY EDUCATION** covers education for children aged 6 to 15 and grades 1 to 10. Local authorities are required to offer before and after-school care for pupils in 1st to 4th grade.
- **UPPER SECONDARY EDUCATION** normally provides three years of general education or four years of vocational training after the 10-year compulsory education. The norm for apprenticeship training is two years of vocational training in upper secondary education followed by one or two years of practical training in industry.
- **POST-SECONDARY VOCATIONAL EDUCATION** comprise shorter (6 months - 2 years) vocational education building on completion of upper secondary education, but are not defined as higher education.
- **HIGHER EDUCATION** Higher education is based on general admission, normally completed secondary education. The main structure is a 3+2+3 model; a three-year bachelor's degree, two-year master's degree and three-year doctoral programme.
- **ADULT EDUCATION** includes adult education at primary, lower secondary and upper secondary level, folk high schools, adult education associations and independent distance learning institutions.
- Adults who have not completed sufficient primary and lower secondary education are entitled to education at these levels. Adults from the age of 25 years who have completed primary and lower secondary school or the equivalent, but not upper secondary education, have the right to such education upon application.
- **A study association** consists of two or more voluntary organisations and offers a selection of courses, ranging from basic education/training to work training and studies at university level. Study associations offer courses in most municipalities and can apply for government funding.
- **The folk high schools** are free, and are general education schools that also have a clear integrative goal. Folk high schools do not have a curriculum or examinations. Folk high schools offer both short courses lasting at least two days and a maximum of 94 days, and long courses with a duration of 4-10 months.
- **Web-based schools** offer a high degree of flexibility as teachers and students may communicate with each other regardless of time and place. The teaching is organised as web-based tuition or combined web-based tuition and central or regional collections of students.

1. Children, pupils, apprentices, trainees, students and participants

- Unless otherwise specified, the source of data on pupils and students is the Division for education statistics at Statistics Norway.

Number of children, pupils, apprentices, trainees and students. 2018

Children in kindergartens. Total	278 578
0-2 years	100 610
3-6 years	177 968
Pupils in primary and lower secondary education. Total	636 350
Primary education (1st.-7th. grade)	448 655
Lower secondary education (8th.-10th. grade)	187 695
Pupils, apprentices and trainees in upper secondary education. Total	245 620
Pupils in upper secondary schools	199 401
Apprentices	44 354
Trainees	1 865
Pupils in folk high schools. Total	7 654
Pupils in other upper secondary educational programmes. Total	1 857
Students in post-secondary vocational education. Total	16 308
Public	7 873
Private	8 435
Students in higher education. Total	293 287
Universities	182 097
State specialised university institutions	8 930
Private specialised university institutions	25 410
State university colleges	40 544
The Norwegian Police University College	3 017
Military university colleges	691
Correctional Service of Norway Staff Academy	440
Private university colleges	17 205
Higher education abroad	14 953

More information: <http://www.ssb.no/en/utdanning/>

2. Kindergartens

- Kindergartens are pedagogical institutions for children below compulsory school age. Children who reach the age of one no later than by the end of August in the year a kindergarten place has been sought, are, upon application, entitled to a place in a kindergarten from August. Children who reach the age of one in September, October or November are entitled to a place in a kindergarten from the month they reach the age of one.
- Statistics on children in kindergartens are based on data com-piled electronically through BASIL by the forms "Annual reports for kindergartens as of 15 December".

Children in kindergartens. Number and per cent

	Total	Hours per week		
		0-32	33-40	41 or more
2000	189 837	36.6	6.1	57.3
2002	198 262	33.2	8.1	58.7
2004	213 097	26.3	8.5	65.2
2006	234 948	17.3	7.3	75.4
2008	261 886	11.2	5.8	83.0
2010	277 139	8.2	4.9	87.0
2012	286 153	5.4	4.3	90.3
2014	286 414	3.4	3.3	93.3
2015	283 608	2.7	2.9	94.3
2016	282 649	2.4	2.7	94.9
2017	281 622	1.9	2.6	95.5
2018	278 578	1.6	2.2	96.1

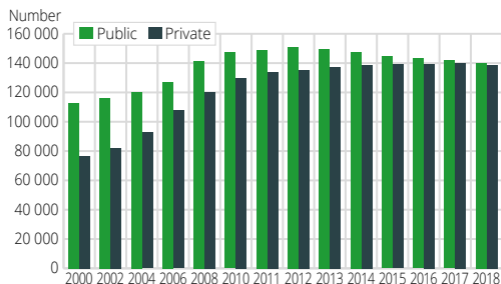
More information: <http://www.ssb.no/en/barnehager/>

Children by age in kindergartens. Per cent

	1 year	2 years	3 years	4 years	5 years	1-5 years
2000	26.8	47.5	71.6	80.1	82.5	62.0
2002	29.8	50.6	76.6	84.2	86.5	65.9
2004	37.0	58.8	82.8	88.9	91.1	72.2
2006	50.7	72.8	89.8	93.8	94.8	80.4
2008	65.8	83.6	93.6	96.4	96.8	87.2
2010	70.4	87.4	95.1	97.1	97.4	89.3
2012	69.6	90.5	95.3	97.1	97.6	90.1
2014	68.5	91.3	95.5	97.0	97.5	90.2
2015	69.7	91.6	95.7	96.9	97.3	90.4
2016	71.7	92.3	95.9	97.2	97.5	91.0
2017	72.1	92.8	96.1	97.2	97.6	91.3
2018	73.2	93.2	96.4	97.2	97.6	91.7

More information: <http://www.ssb.no/en/barnehager/>

Children in public and private kindergartens



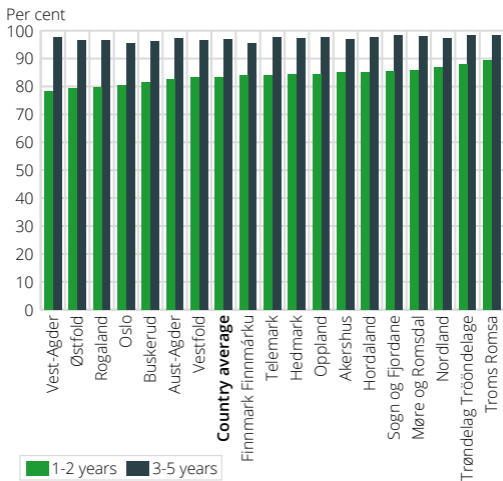
More information: <http://www.ssb.no/en/barnehager/>

Public and private kindergartens. Number and per cent

	Total	Public	Private
2000	5 833	51.2	48.8
2002	5 845	50.4	49.6
2004	6 035	47.3	52.7
2006	6 436	45.1	54.9
2008	6 705	46.0	54.0
2010	6 579	46.3	53.7
2011	6 469	46.4	53.6
2012	6 397	46.7	53.3
2013	6 296	46.9	53.1
2014	6 205	46.6	53.4
2015	6 087	47.0	53.0
2016	5 980	46.6	53.4
2017	5 876	46.6	53.4
2018	5 788	46.8	53.2

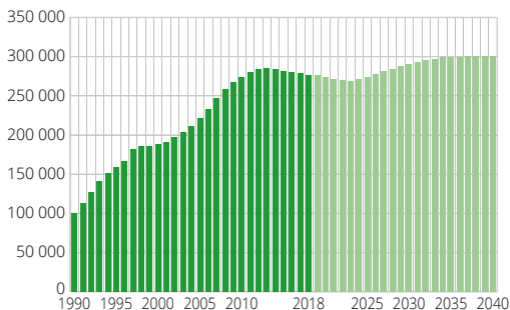
More information: <http://www.ssb.no/en/barnehager/>

Children aged 1-2 years and 3-5 years in kindergartens¹. 2018



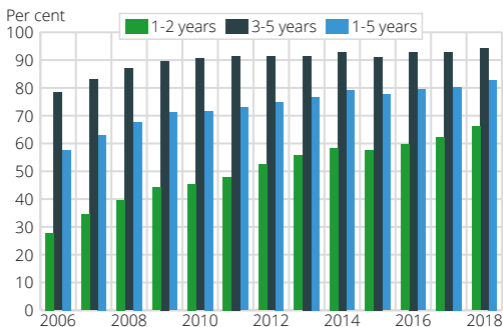
¹Counties are ranked in ascending order for the proportion of 1-2 years.
More information: <http://www.ssb.no/en/barnehager/>

Children aged 1-5 in kindergartens 1990-2018. Projected attendance 2019-2040



Source: Statistics Norway, kindergarten statistics 1990-2018 and population statistics for projections of children in kindergartens 2019-2040 are estimated according to the average growth rates for fertility, life expectancy, internal migration and net migration. More information: <http://www.ssb.no/en/barnehager/>

Proportion of children from linguistic and cultural minorities¹ in kindergartens



¹ Children from linguistic minorities in kindergartens are children whose first language is not Norwegian, Sami, Swedish, Danish or English. Proportions are calculated according to immigrant children (immigrants and Norwegian-born to immigrant parents, excluding children with a background from Denmark, Sweden, Ireland, UK, USA, Australia and New Zealand).

More information: <http://www.ssb.no/en/kostra/>

3. Primary, lower and upper secondary education

3.1. Primary and lower secondary education

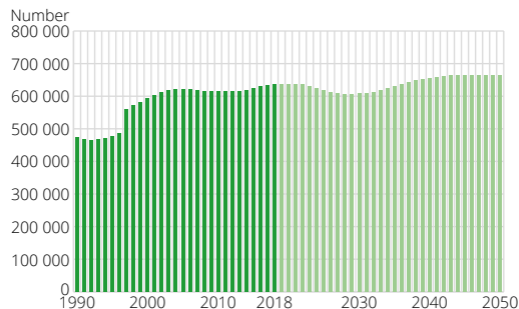
- Primary and lower secondary school covers education for children aged 6 to 15 from 1st to 10th grade. Local authorities are required to offer before and after-school care from 1st grade to 4th grade.
- The source of data on pupils of school age is the Primary and lower secondary information system (GSI), with reference to the situation 1 October.

Pupils in primary and lower secondary education. 2018

	Pupils
Pupils in primary and lower secondary education, total	636 350
Pupils in private schools	25 370
Pupils with individual decisions on special needs education	49 671
Pupils in additional training in Norwegian ¹	42 613
Children in day-care facilities for schools	158 238

¹ Additional training in Norwegian or education in the subject Norwegian for foreign language pupils. More information: <http://www.ssb.no/en/utgrs/>

Pupils in primary and lower secondary school 1990-2018^{1, 2}. Projected attendance 2019-2050



¹ Reform 97. From 1990 to 1996 primary school included 1st-6th grade and lower secondary school 7th-9th grade. From 1997 primary school includes 1st-7th grade and lower secondary school 8th-10th grade. ² School years 1990/91-2050/51.

Source: Primary and lower secondary information system (GSI) for pupils 1990-2018. Population projections of pupils in compulsory school age 2019-2050 are estimated according to the average growth rates for fertility, life expectancy, internal migration and net migration (Population statistics).

More information: <http://www.wis.no/gsi/> and <http://www.ssb.no/en/utgrs/>

Primary and lower secondary schools. Type of schools and ownership of. 2018

	Total	Primary schools	Combined primary and lower secondary schools	Lower secondary schools
Total	2 830	1 585	741	504
Municipal	2 569	1 510	589	470
County	8	0	3	5
State	1	0	1	0
Private ¹	252	75	148	29

¹ Most schools are approved in accordance with the Private Education Act and qualify for state grants. A few are approved under the Education Act § 2-12.

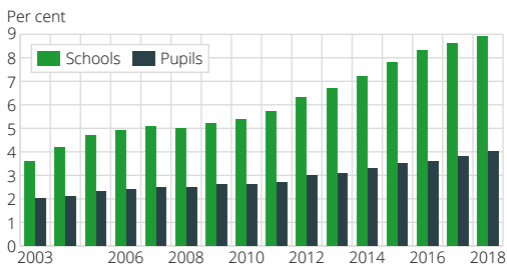
More information: <http://www.ssb.no/en/utgrs/>

Primary and lower secondary schools. Schoolsize and percentage of pupils

	Number of schools				Percentage of pupils		
	Schools, total	Less than 100 pupils	100-299 pupils	300 pupils or more	Less than 100 pupils	100-299 pupils	300 pupils or more
2006	3 210	1 152	1 253	805	8.6	38.9	52.5
2008	3 131	1 088	1 227	816	8.4	38.1	53.5
2010	3 028	994	1 213	821	7.7	38.0	54.3
2012	2 957	950	1 187	820	7.5	37.5	55.0
2014	2 886	886	1 155	845	7.1	36.2	56.7
2015	2 867	872	1 147	848	6.9	36.1	57.0
2016	2 858	851	1 144	863	6.6	35.5	57.9
2017	2 848	840	1 134	874	6.6	34.8	58.6
2018	2 830	813	1 134	883	6.2	34.6	59.2

More information: <http://www.ssb.no/en/utgrs/>

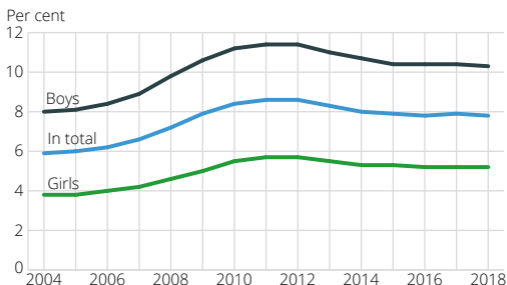
Proportion of private primary and lower secondary schools and proportion of pupils in private primary and lower secondary schools¹



¹ Most schools are approved under the legislation on private schools and qualify for state grants. A few are approved under the Education Act § 2-12.

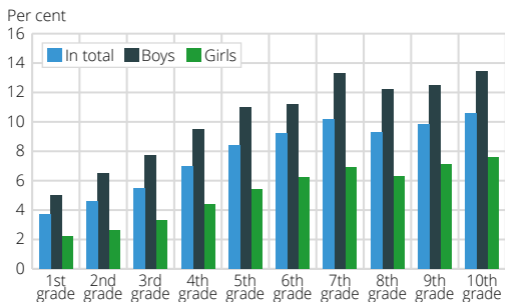
More information: <http://www.ssb.no/en/utgrs/>

Proportion of boys and girls who receive special education in primary and lower secondary education



Source: The Norwegian Directorate for Education and Training
 More information: <https://gsi.udir.no/> (in Norwegian only)

Proportion of boys and girls who receive special education by grade in primary and lower secondary education. 2018



Source: The Norwegian Directorate for Education and Training
 More information: <https://gsi.udir.no/> (in Norwegian only)

3.2. Upper secondary education

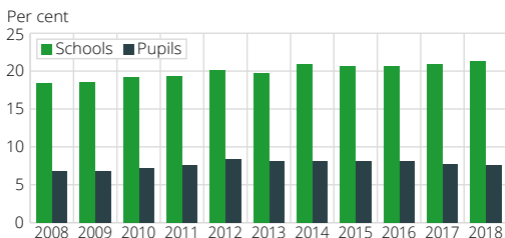
- Upper secondary education provides three years of general education or four years of vocational training after the 10-year compulsory education. The norm for apprenticeship training is two years of vocational training in upper secondary education followed by two years of practical training in industry.
- Young people who have completed compulsory school or equivalent education have, after application, a right to three years of full-time upper secondary education (or more years if duration of education is longer). The right to upper secondary education applies to the school year beginning when the student reaches the age of 24.
- The source of data on upper secondary education is the county authorities' main enrolment system (VIGO).

Pupils and apprentices in upper secondary education



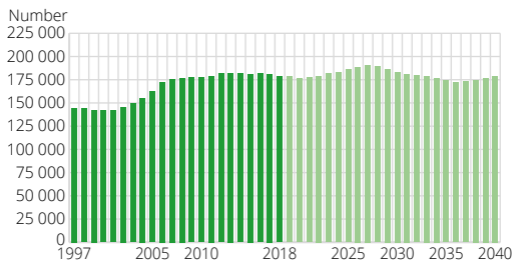
More information: <http://www.ssb.no/en/vgu/>

Proportion of private upper secondary schools and proportion of pupils in private upper secondary schools



More information: <http://www.ssb.no/en/vgu/>

16-18-year-olds in upper secondary education. 1997-2018. Projected attendance 2019-2040^{1, 2}



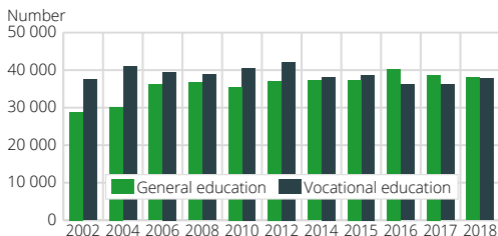
¹ For the projected figures for 2019-2040 it has been assumed that the proportion of 16-18-year-olds in upper secondary education in relation to the population as a whole will be the same as in 2018 (93.32%). ² Population projections are estimated according to the average growth rates for fertility, life expectancy, internal migration and net migration. More information: <http://www.ssb.no/en/vgu/>

Proportion of 16-year-olds with direct transition from lower secondary to upper secondary education. 2018

	All pupils	Immigrants	Norwegian-born to immigrant parents
Completed lower secondary, spring 2017	58 537	4 736	3 794
In upper secondary education, autumn 2017	57 102	3 972	3 723
Percentage of direct transition	97.5	83.9	98.1

More information: <http://www.ssb.no/en/kostra/>

Pupils by area of study in level 1 in upper secondary education¹



¹ From 2016, the education programme «media and communication» is included in general areas of study. Before 2016, this programme was included in vocational studies. More information: <http://www.ssb.no/en/vgu/>

Pupils/apprentices¹ in education programmes in upper secondary education². 2018

	Pupils		Apprentices	
	Total	Per cent women	Total	Per cent women
Pupils/apprentices in upper secondary schools, total	199 401	50.4	44 354	28.8
Pupils in general education, total	125 395	55.5	.	.
specialising in general studies	96 790	56.1	.	.
in sports and physical studies	12 431	42.4	.	.
in music, dance and drama	6 313	68.4	.	.
in art, design and architecture (Level 1 and 2 autumn 2017)	2 999	77.5	.	.
in media and communication (Level 1 and 2 autumn 2017)	6 862	49.0	.	.
Pupils/apprentices in vocational education, total	74 006	41.9	44 354	28.8
in building and construction	8 893	6.1	9 541	4.1
in design, arts and crafts	3 727	76.2	1 833	88.2
in electricity and electronics	10 082	6.0	8 406	5.7
in healthcare, childhood and youth development	23 609	80.4	7 949	81.5
in media and communication	20	15.0	91	48.4
in agriculture, fishing and forestry	5 211	51.4	1 285	30.2
in restaurant and food	3 493	48.0	2 038	46.9
in service and transport	8 168	31.6	5 183	31.1
in technical and industrial production	10 803	10.3	8 028	9.8

¹ Persons in vocational training in schools are included.

² From 2016, the education programme «media and communication» is included in general areas of study. Before 2016, this programme was included in vocational studies. More information: <http://www.ssb.no/en/vgu/>

Men and women in upper secondary education¹ as a percentage of the cohorts 16-18 years, immigrants and Norwegian-born to immigrant parents. 2018

	Total population	Immigrants	Norwegian-born to immigrant parents
Total	92.8	76.3	93.4
Men	92.1	72.9	92.7
Women	93.5	80.5	94.2

¹ Pupils, apprentices and trainees (pupils in education leading to basic competence, and pupils in vocational training in schools are included).

More information: <http://www.ssb.no/en/vgu/>

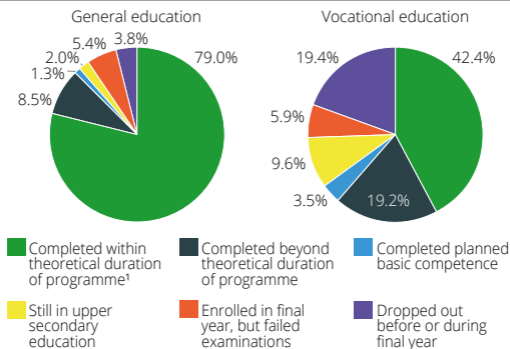
Number of upper secondary schools. Ownership

	2002	2008	2010	2012	2014	2015	2016	2017	2018
Total	484	456	448	448	441	452	446	445	446
State	3	3	3	3	3	4	4	4	3
County	417	368	359	355	346	355	350	348	348
Private ¹	64	84	86	90	92	93	92	93	95

¹ Approved under the Private Education Act and qualifying for state subsidies.

More information: <http://www.ssb.no/en/utdanning/>

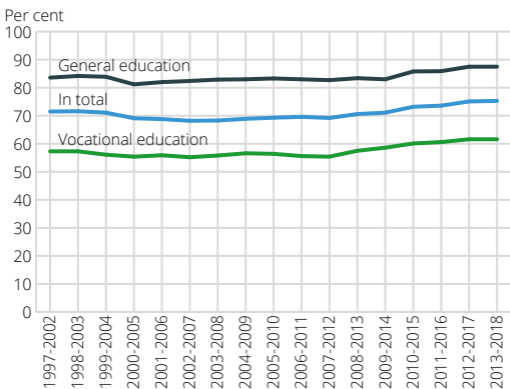
Completion rates in upper secondary education. Pupils who started in upper secondary level 1 for the first time in 2013, and status by completed upper secondary education (general or vocational) within five years. Per cent



¹Theoretical duration for general education is three years, and mainly four years for vocational education.

More information: <http://www.ssb.no/en/vgogjen/>

Completion rates in upper secondary education. Proportion of pupils who have completed upper secondary education within five years after starting a basic course



More information: <http://www.ssb.no/en/vgogjen/>

4. Post-secondary vocational education

- Post-secondary vocational education comprise shorter vocational education building on completion of upper secondary education, but not defined as higher education. The duration is a minimum of six months and a maximum of two years.

Students by age in public and private post-secondary vocational education. Number and per cent. 2018

	Total	Public	Private
Number of students, in total	16 308	7 873	8 435
Percentage 20 years and younger	6.7	4.6	8.7
21-25 years	30.6	31.7	29.6
26-30 years	19.6	21.3	18.0
31-35 years	13.6	15.3	12.0
36-40 years	10.5	10.8	10.3
41-45 years	7.3	7.1	7.5
46-50 years	6.7	5.9	7.4
51 years and older	5.0	3.4	6.5

More information: <http://www.ssb.no/en/utdanning/statistikker/fagskoler/>

Students in different fields of education in post-secondary vocational education. Per cent. 2018

	Total	Men	Women
Total	16 308	9 256	7 052
Humanities and Arts	11.1	5.7	18.2
Education	1.5	0.4	2.9
Social sciences and Law	1.4	1.8	1.0
Business and Administration	9.0	3.8	15.9
Natural sciences, Vocational and Technical subjects	44.0	72.0	7.3
Health, Welfare and Sport	23.9	4.1	49.8
Primary Industries	1.0	0.9	1.2
Transport and Communication, Safety and Security and other services	8.1	11.3	3.8

More information: <https://www.ssb.no/en/utdanning/statistikker/fagskoler>

Students who started post-secondary vocational education for the first time in 2014¹, and status five years later. Per cent

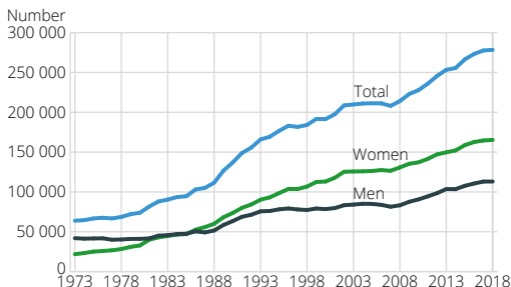
	Total	Completed post-secondary vocational education within 2 years	Completed post-secondary vocational education within 3-5 years	Still in post-secondary vocational education	Completed another programme	Not completed
Total	8 737	47.7	10.4	0.0	6.3	35.7
Men	4 781	41.9	16.4	0.0	3.9	37.8
Women	3 956	54.7	3.2	0.0	9.1	33.0

¹ Students who started post-secondary vocational education in the period 1.10.2013 - 30.9.2014. More information: <http://www.ssb.no/en/utdanning/statistikker/fagskoler>

5. Higher education

- In higher education Statistics Norway collects student data from Database for Statistics on Higher Education (DBH) and the administrative systems used by the various higher education institutions. Information about students abroad is provided by the State Education Loan Fund.

Students¹ in higher education



¹ PhD students are not included from 2002.

More information: <http://www.ssb.no/en/utuvh/>

Students in different fields of education in higher education¹

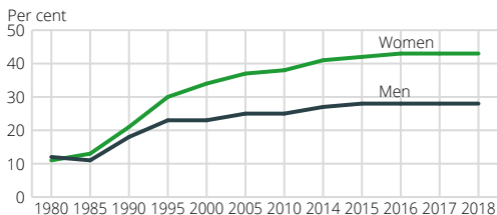
	Total			Per cent women 2018
	2000	2010	2018	
Total	186 002	227 747	278 334	59.4
Humanities and Arts	28 945	26 339	28 120	59.8
Education	30 682	33 342	47 769	72.0
Social Sciences and Law	24 504	31 150	35 455	63.1
Business and administration	26 584	42 000	51 606	53.1
Natural sciences, vocational and technical subjects	36 173	37 712	49 898	33.6
Health, welfare and sport	33 540	48 648	54 828	78.5
Primary industries	1 594	1 178	1 552	49.4
Transport and communications, safety and security and other services	2 860	4 055	7 024	37.4
Other ²	1 120	3 323	2 082	54.2

¹ Students in higher education abroad are not included.

² Consists of unspecified field of education and general programmes.

More information: <http://www.ssb.no/en/utuvh/>

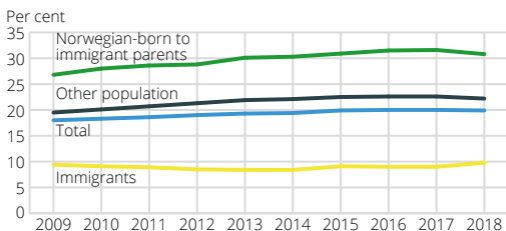
Students aged 19-24 in higher education¹, as a percentage of the population in this age group



¹ PhD students are not included.

More information: <http://www.ssb.no/en/utuvh/>

Students¹ aged 19-34 in higher education in Norway and abroad in per cent of registered cohort, by immigration category



¹ Students only include resident students as of October 1.

More information: <http://www.ssb.no/en/utuvh/>

Graduations in higher education¹ in Norway

	Total	Higher education, short ²	Higher education, long ³	PhD
2000/01	32 045	24 016	7 258	771
2002/03	30 994	23 471	6 803	720
2004/05	32 350	23 602	7 902	846
2006/07	37 825	25 495	11 308	1 022
2008/09	36 624	25 090	10 371	1 163
2010/11	44 754	29 909	13 347	1 498
2012/13	44 461	30 174	12 714	1 573
2014/15	45 821	31 078	13 332	1 411
2015/16	46 681	31 628	13 685	1 368
2016/17	51 000	34 176	15 335	1 489
2017/18	52 094	35 156	15 438	1 500

¹ Number of graduates may differ from previous publications due to annual updates based on late issued diplomas.

² Including graduations from programmes 4 years or less but also 2 years and longer.

³ Including graduations from programmes longer than 4 years. Awarded doctoral degrees are not included

More information: <http://www.ssb.no/en/eksuvh/>

New entrants¹ to higher education, and awarded qualification within eight years²

	1995	2000	2006	2008	2009	2010
Total (number)	37 831	40 118	40 120	43 253	46 452	48 153
Total (per cent)	100.0	100.0	100.0	100.0	100.0	100.0
Doctorates, Ph.D	0.1	0.2	0.4	0.5	0.5	0.4
Higher education graduates from programmes longer than 4 years	12.8	15.6	22.5	24.2	24.9	24.4
Higher education graduates from programmes lasting 2-4 years	48.8	40.1	40.3	41.2	40.3	41.0
No awarded qualification	38.3	44.0	36.8	34.1	34.3	34.3

¹ Students who enrolled in higher education for the first time 1.10.xxxx-1 - 30.9.xxxx. 2007 refers to 1.10.2006 - 30.09.2007.

² Awarded qualification by 31.12, eight years after the student enrolled in higher education for the first time.

More information: <http://www.ssb.no/en/hugjen/>

Degree students from Norway in higher education abroad¹, by country of destination or group of countries

	Students in higher education					Per cent women 2018
	2012	2014	2016	2017	2018	
Total	15 592	16 916	15 762	15 486	14 953	61.5
United Kingdom	4 510	5 182	4 442	4 197	3 892	64.5
Denmark	2 693	2 974	2 407	2 341	2 257	64.9
Poland	1 505	1 571	1 550	1 535	1 533	60.9
Hungary	805	928	1 024	916	822	69.5
Sweden	733	727	559	584	575	59.7
Slovak Republic	413	488	534	544	528	63.8
Netherlands	379	370	431	494	566	56.5
Germany	131	186	224	291	285	63.9
Spain	312	355	314	283	251	59.4
Czech Republic	204	212	236	258	287	51.2
France	227	213	255	203	198	58.1
Italy	85	76	84	89	94	56.4
Ireland	89	92	86	80	73	71.2
Switzerland	36	56	48	68	66	50.0
Rest of Europe	371	437	515	527	570	53.3
Australia	1 119	771	715	655	674	67.2
Rest of Oceania	64	67	49	43	50	76.0
USA	1 557	1 837	1 779	1 717	1 695	50.0
Canada	128	126	153	141	136	65.4
South America	17	14	14	54	14	92.9
Rest of North and Central America	3	4	9	78	2	100.0
Asia	152	181	293	344	340	60.0
Africa	53	49	39	37	40	62.5
Not known or unspecified	6	-	2	7	5	100.0

¹ Exchange students and PhD students are not included.

Source: State Educational Loan Fund.

More information: <http://www.ssb.no/en/utuvh/>

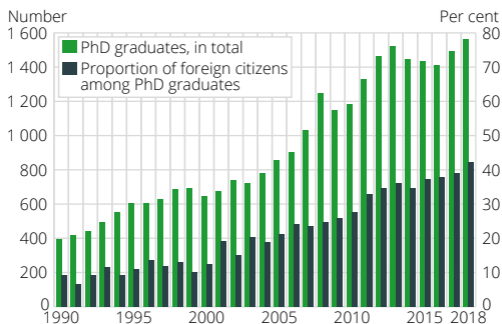
International student mobility¹ in higher education² in Norway

	2014	2015	2016	2017
International students, in total	12 352	12 259	12 294	12 207
From Europe, in total	6 480	6 445	6 193	5 712
Sweden	1 176	1 036	869	732
Germany	555	589	618	626
Denmark	507	515	540	521
Russian Federation	758	686	481	361
Italy	192	208	251	280
Finland	198	217	208	274
France	160	180	233	243
Poland	267	279	239	238
Ukraine	255	224	236	227
Spain	226	261	267	224
Netherlands	180	213	226	210
United Kingdom	167	208	214	201
Greece	108	124	133	124
Iceland	197	168	156	122
Romania	139	122	116	95
Serbia	115	120	106	90
Lithuania	168	132	114	74
Latvia	72	75	75	71
Rest of Europe ³	1 040	1 088	1 111	999
From Africa, in total	1 274	1 171	1 168	1 050
Ghana	187	177	183	187
Ethiopia	248	205	190	163
Nigeria	163	146	142	110
Rest of Africa	676	643	653	590
From Asia, in total	3 730	3 651	3 823	4 306
China	861	773	771	885
Nepal	489	494	522	504
India	370	359	354	404
Pakistan	333	375	344	383
Iran	356	314	315	365
Syria	33	57	136	297
Philippines	310	285	257	253
Rest of Asia ³	978	994	1 124	1 215
From America, in total	802	924	1 039	1 082
USA	303	386	415	423
Canada	115	120	147	149
Brazil	110	112	140	145
Colombia	60	69	72	84
Mexico	64	68	76	83
Rest of America	150	169	189	198
From Oceania, in total	66	68	71	57
Australia	56	58	58	45
New Zealand	8	9	13	12
Rest of Oceania	2	1	0	0

¹International students in Norway are students with upper secondary education from abroad and moved to Norway less than five years ago. ²Higher education is classified according to ISCED 2011 (ISCED-levels 5-8 in International Standard Classification of Education) and also includes 2-year post-secondary vocational education in Norway.

³Turkey is included in Asia. Source: OECD and Statistics Norway, education statistics
More information: <http://stats.oecd.org>

PhD graduates and proportion of foreign citizens among PhD graduates



Source: The Nordic institute for Studies in Innovation, Research and Education (NIFU, Doctoral Degree Register).

More information: <http://www.nifu.no/en/>

Credit points per registered student. Full-time equivalents¹ (self-financed²)

	2010	2014	2015	2016	2017	2018	Change 2017-2018
Total	47.4	48.7	48.7	48.3	48.4	48.3	-0.1
State university colleges	51.5	52.2	51.5	50.9	50.9	42.4	-8.5
Universities	43.9	46.0	46.2	46.8	47.1	50.1	3.0
State specialised university institutions	50.9	51.7	52.6	52.4	53.3	52.0	-1.2
National institutes of the arts	57.3	59.3	57.0	59.5	58.3	57.4	-0.9
Private specialised university institutions	40.9	43.7	45.3	46.3	44.8	43.6	-1.2
Private university colleges	57.6	53.2	53.7	50.5	48.2	50.5	2.3

¹ Converted to full-time students.

² Financed by the Ministry of Education and Research.

Source: Statistics on Higher Education at Norwegian Social Science Data Services (DBH).

More information: <http://dbh.nsd.uib.no/>

6. Adult education

6.1. Primary and lower secondary education

- Persons who have not completed sufficient primary and lower secondary education are entitled to schooling at these levels (§4A-1 of the Education Act).

Adult education in primary and lower secondary education

	2015	2016	2017	2018
Participants, in total	10 981	12 688	13 102	13 586
Participants with basic adult training	7 468	9 280	9 807	10 260
Participants with basic training and special training	93	108	171	212
Participants with special training for adults	3 420	3 300	3 124	3 114

More information: <http://www.ssb.no/en/utgrs/>

6.2. Upper secondary education

- Adults who have completed primary and lower secondary education or the equivalent, but not upper secondary education, have the right to such education upon application. This right is applicable from the year of their 25th birthday.
- Includes adults taking courses during the school year (eg.: 2016/17).

Adults in upper secondary education

	2014/15	2015/16	2016/17	2017/18
Participants 25 years and older	24 096	27 135	27 104	27 913
Pupils	10 777	12 212	12 232	12 493
Apprentices	13 319	14 923	14 872	15 420
Trade examinations taken by candidates for experience-based trade certification	8 313	8 877	9 087	9 012

More information: <http://www.ssb.no/en/vgu>

6.3. Folk high school

- Data on folk high schools is collected from the NAVI administrative system used by institutions.

Pupils in long courses¹ in folk high schools

	Total	Per cent women	Total	Per cent women	
2000	5 692	66.1	2014	6 838	54.1
2004	6 051	64.2	2015	7 218	54.6
2008	6 168	60.7	2016	7 540	52.4
2010	7 092	57.2	2017	7 684	54.9
2012	6 964	55.6	2018	7 654	56.4
2013	6 737	54.3			

¹ Long courses in folk high schools last between 16.5 and 33 weeks.

More information: <http://www.ssb.no/en/vgu/> and <http://www.ssb.no/en/voppl/>

6.4. Adult education associations

- All approved adult education associations receiving grants from the Ministry of Education and Research report on course completions to Statistics Norway. Data are supplied at individual course level and show the number of participants by gender and age, courses by subject, where the course is held and number of hours of study. A person may be counted more than once if he/she participates in more than one course.

Participants in adult education associations. Percentage of women

	Participants	Per cent women		Participants	Per cent women
2000	666 729	55.5	2014	509 724	56.7
2004	632 993	55.3	2015	507 909	56.8
2008	483 421	56.9	2016	504 898	57.0
2010 ¹	504 236	56.3	2017	522 458	57.0
2012	477 719	57.1	2018	478 548	57.5
2013	493 180	56.9			

¹ The introduction of the Act on adult education in 2009 led to changes in the statistics from 2010. More information: <http://www.ssb.no/en/voppl/>

6.5. Lifelong learning in Norwegian working life

- The source of data on Lifelong Learning in Norwegian working life is the Learning Conditions Monitor. The survey is conducted as an annual ad-hoc module to Statistics Norway's Labour Force Survey.

Participation in formal education, formal further education and courses and training in the last 12 months, among the employed aged 15-66¹ years. Per cent

	Formal education			Courses and training		
	All	Men	Women	All	Men	Women
2008	18	15	22	54	53	55
2010	15	12	19	46	44	47
2012	17	14	20	50	49	51
2014	15	12	19	47	46	49
2016	15	12	18	49	46	51
2018	15	12	18	48	45	51
2019	14	11	18	47	45	48

¹ Before 2014 the age group 15-21 was excluded. Source: The Nordic Institute for Studies in Innovation, Research and Education (NIFU)/Statistics Norway
More information: <http://www.nifu.no/english> and <http://www.ssb.no/en/lvm/>

Course participations in web-based schools¹ in 2017-2018² by completion

	In total	Completed	Not completed	Ongoing
Course participations, in total	19 373	8 672	939	9 762
Less than 30 years	11 657	4 959	480	6 218
30-49 years	6 804	3 232	380	3 192
50 years and older	912	481	79	352

¹ Including the 21 web-based schools accredited by law on adult education from 2009. Participants from upper secondary, post-secondary vocational education and higher education are included.

² 2017-2018 refer to the period from July 01 in 2017 to June 30 in 2018.

Mer informasjon: <http://www.ssb.no/en/fjernund/>

7. Educational attainment

- The Register of the Population's Level of Education encompasses all individuals registered as a resident in Norway per 1 October, and aged 16 and over at the end of the reporting year.

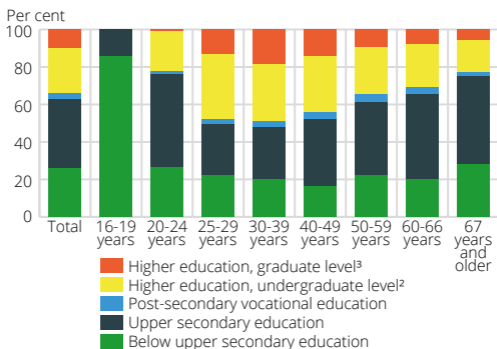
Education level. Population aged 25 years and older by level of higher education

	Higher education, undergraduate level ¹		Higher education, graduate level ²	
	Total	Per cent women	Total	Per cent women
1980	244 926	50.3	75 158	14.7
1985	301 054	52.1	89 953	17.3
1990	368 860	53.2	107 306	21.3
1995	461 271	54.5	131 267	25.8
2000	565 741	56.1	166 759	31.0
2005	658 872	57.7	205 307	35.3
2010	761 427	58.6	268 371	40.5
2015 ³	897 882	58.7	381 296	44.9
2016	921 289	58.7	398 560	45.7
2017	943 243	58.9	414 089	46.3
2018	965 343	59.0	429 895	46.9

¹ Four years or less. ² More than 4 years, PhD included. ³ For many immigrants Statistics Norway has no information about their level of education. From 2014, figures include an estimated level of education for missing values for immigrants.

More information: <http://www.ssb.no/en/utniv/>

Education level for the population 16 years and older¹. 2018



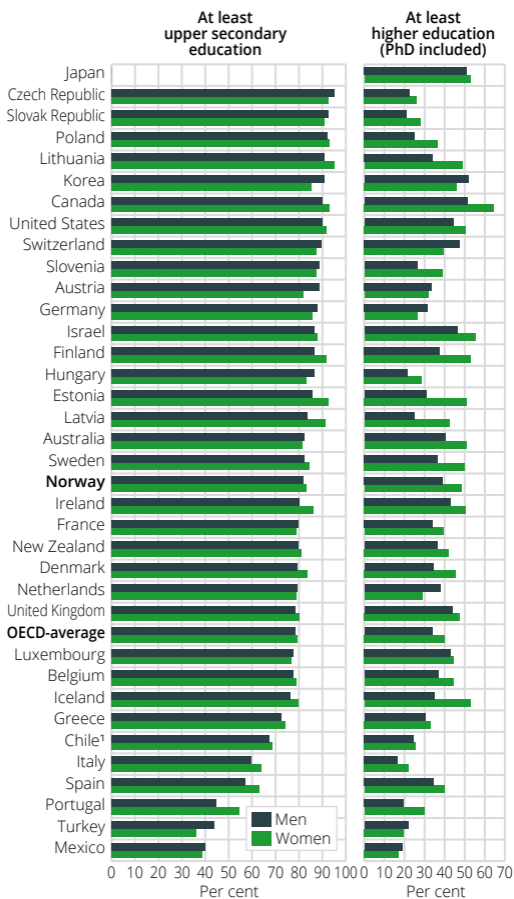
¹ Not including persons with unknown or no completed education.

² Four years or less.

³ More than 4 years, PhD included.

More information: <http://www.ssb.no/en/utniv/>

Education level among men and women aged 25-64 in OECD-countries. 2018



¹ 2017-figures.

Source: OECD, Education at a Glance 2019

More information: <http://www.oecd.org/education/education-at-a-glance/>

8. Resources

8.1. Teaching and academic staff

- The source of data on man-years in kindergartens is BASIL. The source of data on teachers in primary and lower secondary schools and teachers in upper secondary education is register-based personnel reporting in Statistics Norway. The source of data on man-years in higher education is the Database for Statistics on Higher Education (DBH).

Man-years in kindergartens and children per man-year

	Man-years to primary functions ¹	Children	Children ² per man-year
2000	36 006	189 837	5.8
2002	37 518	198 262	6.0
2004	41 374	213 097	6.1
2006	49 365	234 948	6.2
2008	58 721	261 886	6.1
2010	64 101	277 139	6.1
2011	65 069	282 737	6.1
2012	66 316	286 153	6.1
2013	66 909	287 177	6.1
2014	67 375	286 414	6.0
2015 ³	67 238	283 608	6.1
2016	67 392	282 649	6.1
2017	67 504	281 622	6.1
2018	68 889	278 578	5.9

¹ Man-years to primary functions includes directors, educational leaders and assistants.

² Number of children in kindergarten is adjusted for age and converted to full-time equivalents. ³ Numbers from 2015 are not directly comparable with previous years.

Source: KOSTRA.

More information: <http://www.ssb.no/en/kostra/>

Teacher man-years¹ in primary and lower secondary schools and pupils per teacher man-year

	Teaching man-years	Pupils	Pupils per teaching man-year
2015 ²	59 591	601 792	10.1
2016 ²	60 799	606 242	10.0
2017	62 095	608 901	9.8
2018	59 461	610 673	10.3

¹ Teaching man-years in municipal primary and lower secondary schools, adjusted for sick-leave and maternity leave. ² Due to a change in the data collection, some teaching man-years in 2015 and 2016 are missing (approx. 130-140).

Source: Registerbased personnel reporting in Statistics Norway/Kostra.

More information: <http://www.ssb.no/en/utgrs/>

Teacher man-years and pupils per teacher man-year in county upper secondary schools

	Teaching man-years ¹	Pupils ²	Pupils per teaching man-year
2006	20 503	180 084	8.8
2008	20 846	177 229	8.5
2010	21 217	184 145	8.7
2011	21 197	186 621	8.8
2012	21 386	188 731	8.8
2013	21 407	190 014	8.9
2014	21 350	188 827	8.8
2015 ³	21 811	189 808	8.7
2016	21 855	191 593	8.8
2017	21 857	191 309	8.8
2018	21 877	191 222	8.7

¹ Teaching man-years in general and vocational areas of study in upper secondary education. Administration and other tasks are not included.

² Pupils in upper secondary education and students in post-secondary vocational education in county upper secondary schools.

³ Numbers from 2015 are not directly comparable with previous years.

Source: Register-based personnel reporting in Statistics Norway/Kostra.

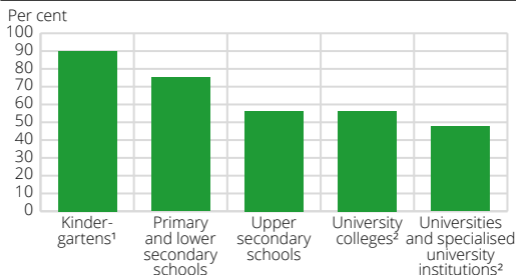
More information: <http://www.ssb.no/en/kostra/>

Teacher man-years and students per man-year in higher education

	Teacher man-years	Students	Students per teacher man-year
2008	17 952	206 191	11.5
2010	18 758	218 243	11.6
2012	19 099	239 273	12.5
2013	19 403	244 995	12.6
2014	19 861	250 459	12.6
2015	20 716	260 500	12.6
2016	21 675	268 981	12.4
2017	22 541	273 271	12.1
Total 2018	23 402	275 610	11.8
Universities	18 930	184 428	9.7
State specialised university institutions	742	8 448	11.4
Private specialised university institutions	679	25 715	37.9
State university colleges	2 363	41 584	17.6
Private university colleges	591	14 863	25.2
University colleges of the arts	97	572	5.9

Source: Statistics on Higher Education (DBH) at Norwegian Social Science Data Services. More information: <http://dbh.nsd.uib.no>

Proportion of female teaching staff in types of schools/ institutions. 2018



¹ Proportion of female employees. Houseporter and cleaning staff are not included.

² Academic staff including research scholars. Private specialised university institutions are not included.

Source: Kindergarten, primary and lower secondary education and upper secondary education: KOSTRA. Higher education: Statistics of Higher Education (DBH) at the Norwegian Social Science Data Service.

More information: <http://www.ssb.no/en/kostra/> and <http://dbh.nsd.uib.no>

Proportion man-years by type of employment and educational background. 2018

	Pre-school teacher education	Other pedagogical education ²	Other higher education	Skilled worker training ³	Other education
Head teachers	92.8	6.3	0.4	0.1	0.4
Pedagogical leaders	87.4	4.8	1.1	4.3	2.5
Other paraprofessionals ¹	0.6	1.9	2.8	42.3	52.4
Bilingual assistants	20.8	10.6	7.0	15.1	46.5
Staff to children, or groups of children, with special needs	24.3	11.0	8.6	23.3	32.8

¹ Includes kindergartens teachers or equivalent, childcare and youth workers and assistants. ² Includes both pedagogical education which corresponds to the requirements of head teachers or pedagogical leaders and other pedagogical education.

³ Skilled worker training includes vocational training and other skilled worker training. More information: <http://www.ssb.no/en/barnehager/>

Employed teachers¹ in primary and lower secondary schools, by pedagogical education. Number and per cent

	2015	2016	2017	2018
Teachers in primary and lower secondary schools, in total	72 000	73 135	74 637	75 727
Pre-school-/kindergarten teacher education	10.0	9.8	9.6	9.3
General-/primary and lower secondary teacher education, undergraduate level	49.5	48.8	48.3	47.8
Specific subject and vocational teacher training	4.6	4.6	4.7	4.6
Practical-pedagogical education for university and college graduates	9.8	9.8	10.1	10.3
Practical-pedagogical education for vocational teachers	1.8	2.0	2.1	2.3
General-/primary and lower secondary teacher education, graduate level	0.3	0.4	0.6	0.6
Lecturer education grade 8-13 and equivalent masters	0.5	0.7	0.8	1.0
Special needs education	0.7	0.7	0.7	0.7
Other types of pedagogical education	9.7	9.7	9.8	10.0
No pedagogical education	13.1	13.4	13.4	13.4

¹ A teacher is counted only once, with the most relevant education for the step they are working on.

Source: Register-based personnel statistics, Statistics Norway.

More information: <http://www.ssb.no/en/kostra/>

Employed teachers¹ in upper secondary schools, by qualification. Numbers and per cent

	2015	2016	2017	2018
Teachers in upper secondary schools, in total	7 109	7 466	7 831	8 154
Long higher education with a teachers education	26.8	28.1	29.5	30.7
Long higher education with other educational sciences	2.7	2.7	2.8	2.9
Long higher education without educational science	5.8	5.5	5.2	4.8
Short higher education with a teachers education	45.8	45.6	45.1	44.8
Short higher education with other educational sciences	6.1	5.9	5.9	6.1
Short higher education without educational science	6.8	6.4	6.3	5.7
Upper secondary education	6.1	5.8	5.2	4.9

¹ A teacher is counted only once, with the most relevant education for the step they are working on.

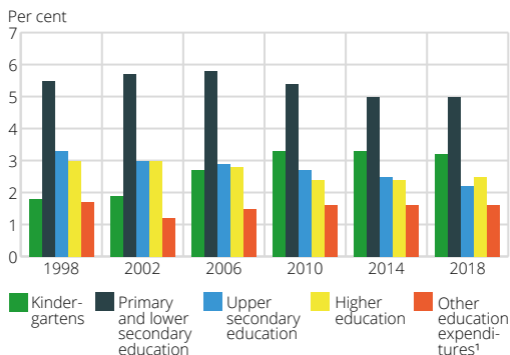
Source: Register-based personnel statistics, Statistics Norway.

More information: <http://www.ssb.no/en/kostra/>

8.2. Finance

- Total government expenditure on education covers administrative bodies at state, municipal and county level whose main objective is education. The presented data is based on national, county and municipal accounts.

Public expenditure on education as a percentage of total public expenditure



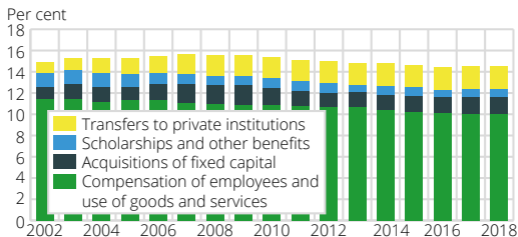
¹ Includes expenditure for 1. Education irrespective of level (e.g. adult education)

2. Services related to education (e.g. food, lodging, doctor and dentist costs)

3. Miscellaneous (e.g. administration, coordination, monitoring/follow up of education plans and budgets).

More information: <http://www.ssb.no/en/offinnut/>

Government expenditure on education¹ as a percentage of total public expenditure, by type of expenditure



¹ Expenditure on kindergartens are included.

More information: <http://www.ssb.no/en/offinnut/>

- **KOSTRA** is an abbreviation for “Municipality-State-Reporting”. Since 2001, all local governments report to KOSTRA.
- **Adjusted gross operating expenditures** show expenses for own production of municipal services.
- **Gross operating expenditures** show expenses for own production of municipal services plus purchase of services from others.
- **Net operating expenditures** show expenses for own production of municipal services plus purchase of services from others – less earmarked grants from central government and direct user payments.

Municipal spending on kindergartens. Selected figures. 2018

	Country average
Net operating expenditure on kindergartens as a percentage of total net operating expenditure	14.4
Net operating expenditure per inhabitant 1-5 years old, kindergartens	154 320
Adjusted gross operating expenditure per adjusted hour of attendance, public kindergartens	70.0
Expenditure as a percentage of total expenditure:	
Attendance and stimulation, function 201	79.4
Special measure, function 211	10.3
Facilities, function 221	10.3

Source: KOSTRA. More information: <http://www.ssb.no/en/kostra/>

Municipal spending on primary and lower secondary education. Selected figures. 2018

	Country average
Adjusted gross expenditure on primary and lower secondary school, per pupil	121 243
of which, education (202 ¹), per pupil	98 084
of which, school premises (222), per pupil	20 838
Adjusted gross expenditure on primary and lower secondary school, per pupil admitted school transport	10 414
Gross operating expenditure on day-care facilities, per pupil in day-care facilities	31 474

¹ Function 202 includes teaching, administration, inventory, equipment and educational equipment.

Source: KOSTRA. More information: <http://www.ssb.no/en/kostra/>

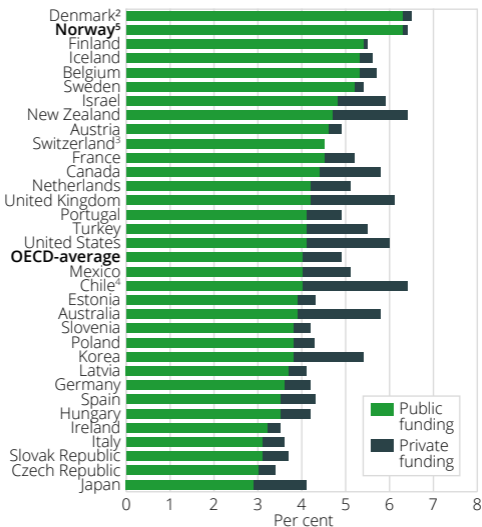
Adjusted gross operating expenditures (direct) per pupil¹ by area of study in upper secondary education. 2018

	Expenditure per pupil	General areas of study	Vocational studies
Country average	82 467	71 972	102 975
Østfold	81 557	69 531	100 375
Akershus	74 343	68 034	99 671
Oslo	75 808	71 881	104 397
Hedmark	87 625	75 164	102 052
Oppland	82 784	72 628	95 601
Buskerud	82 010	72 613	97 138
Vestfold	79 703	72 968	98 564
Telemark	85 888	73 726	105 643
Aust-Agder	90 387	75 814	109 058
Vest-Agder	78 406	69 179	102 932
Rogaland	80 484	71 650	98 932
Hordaland	79 869	69 719	99 416
Sogn og Fjordane	96 160	74 376	113 669
Møre og Romsdal	89 291	77 740	106 933
Trøndelag Trööndelage	82 668	70 397	103 044
Nordland	96 272	76 648	115 659
Troms Romsa	90 642	78 275	109 878
Finnmark Finnmárku	97 926	76 435	114 788

¹ The number of pupils is weighted by 7/12 for previous school year and 5/12 for present school year to correspond to the financial year.

Source: KOSTRA. More information: <http://www.ssb.no/en/kostra/>

Expenditure on educational institutions¹ in OECD countries, as a percentage of GDP for all levels of education and by type of funding, 2016



¹ Countries are ranked by descending resource use in total. Kindergartens are not included. ²Year of reference 2014. ³Year of reference 2015. ⁴Year of reference 2017. ⁵Figures for Norway are based on mainland-GDP.

Source: OECD, Education at a Glance 2019, table C2.2.

More information: [www.http://www.oecd.org/education/education-at-a-glance/](http://www.oecd.org/education/education-at-a-glance/)

General government expenditure on education and kindergartens, as a percentage of GDP Mainland Norway

	2008	2010	2012	2014	2016	2017	2018
Total	7.9	8.3	8.1	8.2	8.3	8.4	8.4
Kindergartens	1.7	1.8	1.8	1.8	1.8	1.8	1.8
Primary and lower secondary education	2.8	2.9	2.7	2.8	2.8	2.9	2.9
Upper secondary education	1.4	1.4	1.4	1.4	1.4	1.4	1.3
Higher education	1.3	1.3	1.3	1.3	1.4	1.4	1.4
Other education expenditure ¹	0.8	0.9	0.9	0.9	0.9	0.9	1.0

¹ This includes expenditures for 1. Education irrespective of level (e.g. adult education) 2. Services related to education (e.g. food, lodging, doctor and dentist costs) 3. Miscellaneous (e.g. administration, coordination, monitoring/follow-up of education plans and budgets). Source: Public Finances, Statistics Norway.

More information: http://www.ssb.no/offinnut_en/

Number of children, pupils and students. 2018

Children in kindergartens



100 610

0-2 years



177 968

3-6 years

Pupils in primary and lower secondary education



448 655

pupils in primary education



187 695

pupils in lower
secondary education

Pupils, apprentices and trainees in upper secondary education



199 401

pupils in upper secondary education



46 219

apprentices and trainees

Students in post-secondary vocational education and in higher education



293 287

students in higher education



16 308

students in post-secondary
vocational education

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