

# DIGITALES ARCHIV

ZBW – Leibniz-Informationszentrum Wirtschaft  
*ZBW – Leibniz Information Centre for Economics*

## Periodical Part

### Facts about education in Norway ... ; 2021, key figures 2019

#### Provided in Cooperation with:

Statistics Norway, Oslo

*Reference:* Facts about education in Norway ... ; 2021, key figures 2019 (2021).  
[https://www.ssb.no/en/utdanning/artikler-og-publikasjoner/\\_attachment/442057?\\_ts=176cc515150](https://www.ssb.no/en/utdanning/artikler-og-publikasjoner/_attachment/442057?_ts=176cc515150).

This Version is available at:  
<http://hdl.handle.net/11159/5560>

#### Kontakt/Contact

ZBW – Leibniz-Informationszentrum Wirtschaft/Leibniz Information Centre for Economics  
Düsternbrooker Weg 120  
24105 Kiel (Germany)  
E-Mail: [rights\[at\]zbw.eu](mailto:rights[at]zbw.eu)  
<https://www.zbw.eu/>

#### Standard-Nutzungsbedingungen:

Dieses Dokument darf zu eigenen wissenschaftlichen Zwecken und zum Privatgebrauch gespeichert und kopiert werden. Sie dürfen dieses Dokument nicht für öffentliche oder kommerzielle Zwecke vervielfältigen, öffentlich ausstellen, aufführen, vertreiben oder anderweitig nutzen. Sofern für das Dokument eine Open-Content-Lizenz verwendet wurde, so gelten abweichend von diesen Nutzungsbedingungen die in der Lizenz gewährten Nutzungsrechte.  
<https://savearchive.zbw.eu/termsfuse>

#### Terms of use:

*This document may be saved and copied for your personal and scholarly purposes. You are not to copy it for public or commercial purposes, to exhibit the document in public, to perform, distribute or otherwise use the document in public. If the document is made available under a Creative Commons Licence you may exercise further usage rights as specified in the licence.*

TALL

SOM FORTELLER

# Facts about education in Norway 2021

– key figures 2019

# Facts about education in Norway 2021

## – key figures 2019

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 2020:*

The Kingdom of Norway: 385 207 km<sup>2</sup>

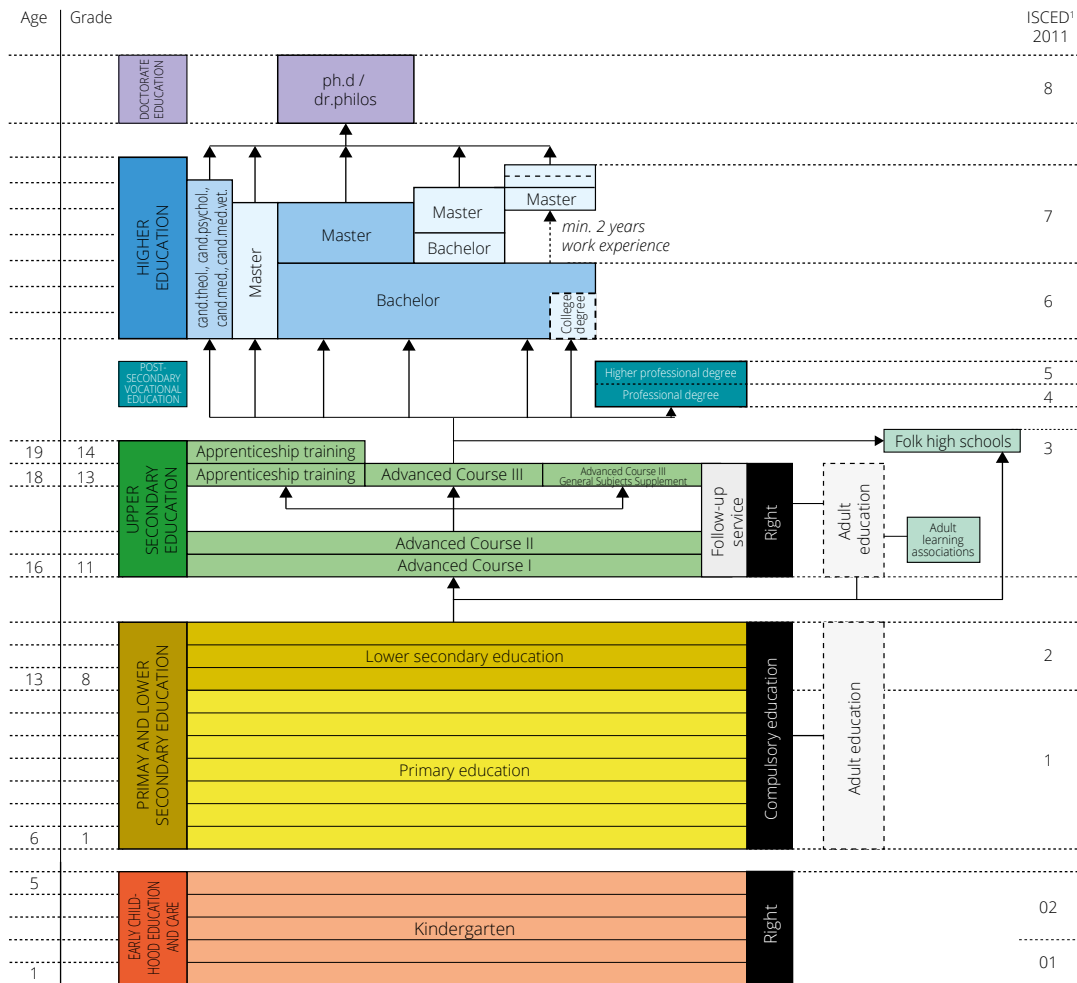
Mainland: 323 808 km<sup>2</sup>

Svalbard and Jan Mayen: 61 399 km<sup>2</sup>

*Population 1 January 2020:* 5 367 580

*Monetary unit:* Norwegian kroner, NOK

# The Norwegian education system 2021



<sup>1</sup>ISCED = International Standard Classification of Education.

# Contents

|                                                                                |    |
|--------------------------------------------------------------------------------|----|
| 1. Children, pupils, apprentices, trainees, students and participants. . . . . | 3  |
| 2. Kindergartens . . . . .                                                     | 4  |
| 3. Primary, lower and upper secondary education . . . . .                      | 8  |
| 3.1. Primary and lower secondary education . . . . .                           | 8  |
| 3.2. Upper secondary education . . . . .                                       | 11 |
| 4. Post-secondary vocational education . . . . .                               | 15 |
| 5. Higher education . . . . .                                                  | 16 |
| 6. Adult education . . . . .                                                   | 21 |
| 6.1. Primary and lower secondary education . . . . .                           | 21 |
| 6.2. Upper secondary education . . . . .                                       | 21 |
| 6.3. Folk high schools. . . . .                                                | 21 |
| 6.4. Adult education associations. . . . .                                     | 22 |
| 6.5. Lifelong learning in Norwegian working life. . . . .                      | 22 |
| 7. Educational attainment . . . . .                                            | 23 |
| 8. Resources . . . . .                                                         | 25 |
| 8.1. Teaching and academic staff . . . . .                                     | 25 |
| 8.2. Finance . . . . .                                                         | 29 |

## Explanation of symbols

---

**. Category not applicable**

*Figures do not exist at this time, because the category was not in use when the figures were collected.*

**.. Data not available**

*Figures have not been entered into our databases and are therefore unknown.*

**: Confidential**

*Figures are not published so as to avoid identifying persons or companies.*

---

**Published by**

Statistics Norway  
December 2020

**Responsible:**

Beate Bartsch  
Statistics Norway  
beate.bartsch@ssb.no

**Print:**

07 Media AS

- **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.
- **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.
- **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.

# 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. 2019

|                                         |                |
|-----------------------------------------|----------------|
| <b>Children in kindergartens. Total</b> | <b>275 804</b> |
| 0-2 years                               | 98 369         |
| 3-6 years                               | 177 435        |

|                                                               |                |
|---------------------------------------------------------------|----------------|
| <b>Pupils in primary and lower secondary education. Total</b> | <b>636 250</b> |
| Primary education (1st-7th grade)                             | 446 218        |
| Lower secondary education (8th-10th grade)                    | 190 032        |

|                                                                             |                |
|-----------------------------------------------------------------------------|----------------|
| <b>Pupils, apprentices and trainees in upper secondary education. Total</b> | <b>245 086</b> |
| Pupils in upper secondary schools                                           | 196 629        |
| Apprentices                                                                 | 46 597         |
| Trainees                                                                    | 1 860          |

|                                           |              |
|-------------------------------------------|--------------|
| <b>Pupils in folk high schools. Total</b> | <b>7 859</b> |
|-------------------------------------------|--------------|

|                                                                      |              |
|----------------------------------------------------------------------|--------------|
| <b>Pupils in other upper secondary educational programmes. Total</b> | <b>1 349</b> |
|----------------------------------------------------------------------|--------------|

|                                                               |               |
|---------------------------------------------------------------|---------------|
| <b>Students in post-secondary vocational education. Total</b> | <b>17 882</b> |
| Public                                                        | 8 729         |
| Private                                                       | 9 153         |

|                                              |                |
|----------------------------------------------|----------------|
| <b>Students in higher education. Total</b>   | <b>296 182</b> |
| Universities                                 | 182 660        |
| State specialised university institutions    | 9 262          |
| Private specialised university institutions  | 25 343         |
| State university colleges                    | 41 692         |
| The Norwegian Police University College      | 2 921          |
| Military university colleges                 | 493            |
| Correctional Service of Norway Staff Academy | 373            |
| Private university colleges                  | 18 958         |
| Higher education abroad                      | 14 480         |

More information: <https://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 compiled electronically through BASIL by the forms "Annual reports for kindergartens as of December 15".

### 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       |
| 2019 | 275 804 | 1.5            | 1.9   | 96.6       |

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

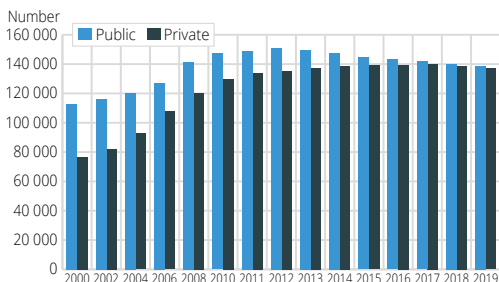
### Children by age in kindergartens. Per cent

|      | 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      |
| 2019 | 74.8   | 93.5    | 96.5    | 97.1    | 97.5    | 92.1      |

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



## Children in public and private kindergartens



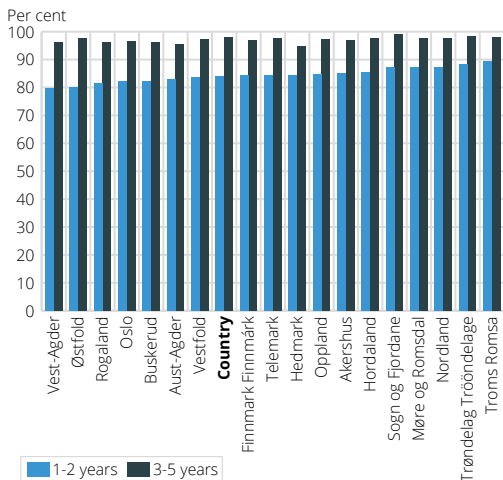
More information: <https://www.ssb.no/en/barnehager/>

### 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    |
| 2019 | 5 730 | 47.1   | 52.9    |

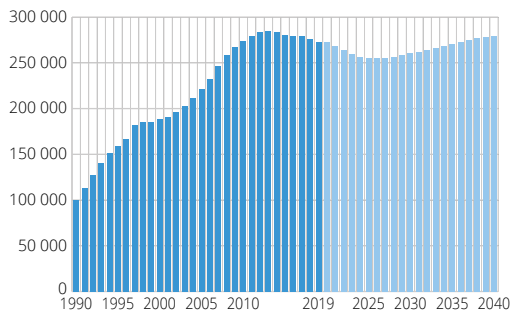
More information: <https://www.ssb.no/en/barnehager/>

## Children aged 1-2 years and 3-5 years in kindergartens<sup>1</sup>. 2019



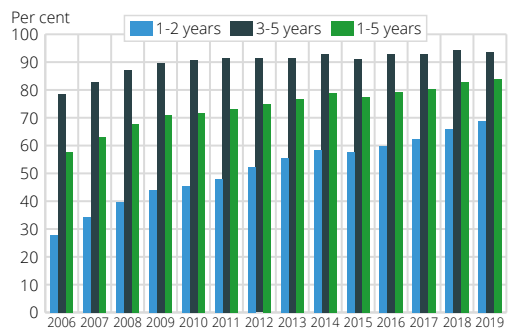
<sup>1</sup>Counties are ranked in ascending order for the proportion of 1-2 years.  
 More information: <https://www.ssb.no/en/barnehager/>

## Children aged 1-5 in kindergartens 1990-2019. Projected attendance 2020-2040



Source: Statistics Norway, kindergarten statistics 1990-2019 and population statistics for projections of children in kindergartens 2020-2040 are estimated according to the average growth rates for fertility, life expectancy, internal migration and net migration. More information: <https://www.ssb.no/en/barnehager/>

## Proportion of children from linguistic and cultural minorities<sup>1</sup> in kindergartens



<sup>1</sup> 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: <https://www.ssb.no/en/barnehager/>

## 3. Primary, lower and upper secondary education

### 3.1. Primary and lower secondary education

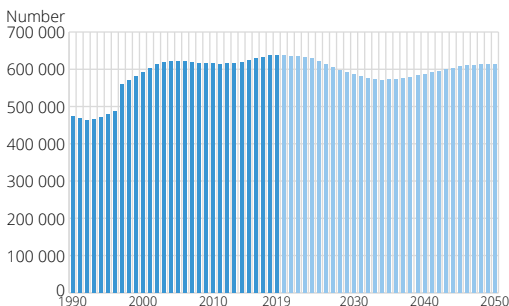
- Primary and lower secondary school covers education for children aged 6 to 15 from 1st to 10th grade. Local authorities are required to offer before and after-school care from 1st grade to 4th grade.
- The source of data on pupils of school age is the Primary and lower secondary information system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

#### Pupils in primary and lower secondary education. 2019

|                                                               | Pupils         |
|---------------------------------------------------------------|----------------|
| <b>Pupils in primary and lower secondary education, total</b> | <b>636 250</b> |
| Pupils in private schools                                     | 27 027         |
| Pupils with individual decisions on special needs education   | 48 857         |
| Pupils in additional training in Norwegian <sup>1</sup>       | 40 983         |
| <b>Children in day-care facilities for schools</b>            | <b>156 514</b> |

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

#### Pupils in primary and lower secondary school 1990-2019<sup>1, 2</sup>. Projected attendance 2020-2050



<sup>1</sup> 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. <sup>2</sup> School years 1990/91-2050/51.

Source: Primary and lower secondary information system (GSI) for pupils 1990-2019. Population projections of pupils in compulsory school age 2020-2050 are estimated according to the average growth rates for fertility, life expectancy, internal migration and net migration (Population statistics).

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

## Primary and lower secondary schools. Type of schools and ownership of schools. 2019

|                      | Total        | Primary schools | Combined primary and lower secondary schools | Lower secondary schools |
|----------------------|--------------|-----------------|----------------------------------------------|-------------------------|
| <b>Total</b>         | <b>2 799</b> | <b>1 548</b>    | <b>749</b>                                   | <b>502</b>              |
| Municipal            | 2 529        | 1 473           | 591                                          | 465                     |
| County               | 8            | 0               | 3                                            | 5                       |
| State                | 1            | 0               | 1                                            | 0                       |
| Private <sup>1</sup> | 261          | 75              | 154                                          | 32                      |

<sup>1</sup> Most private 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.

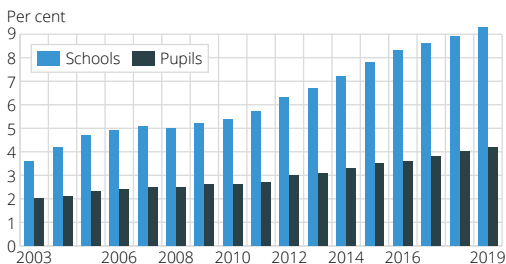
More information: <https://www.ssb.no/en/utgrs/>

## Primary and lower secondary schools. School size, number of schools 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               |
| 2019 | 2 799             | 792                  | 1 110          | 897                | 6.1                  | 33.8           | 60.2               |

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

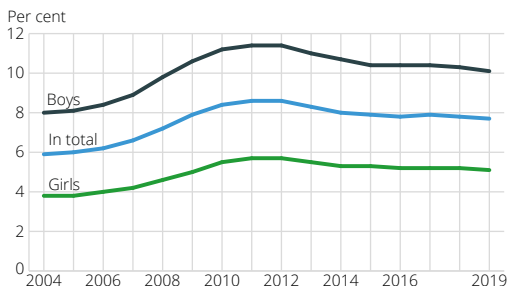
## Proportion of private primary and lower secondary schools and proportion of pupils in private primary and lower secondary schools<sup>1</sup>



<sup>1</sup> 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.

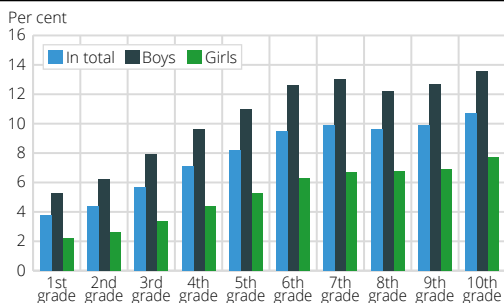
More information: <https://www.ssb.no/en/utgrs/>

## Proportion of boys and girls who receive special needs 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 needs education by grade in primary and lower secondary education. 2019

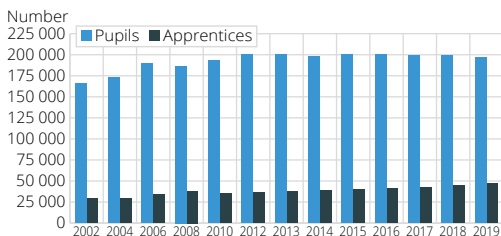


Source: The Norwegian Directorate for Education and Training  
 More information: <https://gsi.udir.no/> (in Norwegian only)

## 3.2. Upper secondary education

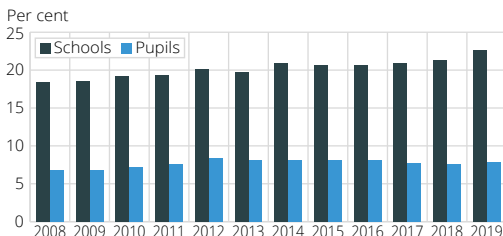
- Upper secondary education provides three years of general education or four years of vocational education and training after the 10-year compulsory education. Vocational education and training usually consists of two years in school followed by two years of combined in-service training and productive work at a training establishment.
- 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 until the end of 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



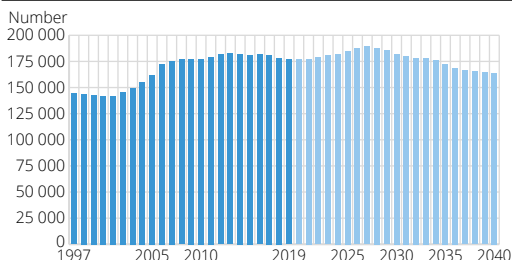
More information: <https://www.ssb.no/en/vgu/>

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



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

## 16-18-year-olds in upper secondary education. 1997-2018. Projected attendance 2019-2040<sup>1, 2</sup>



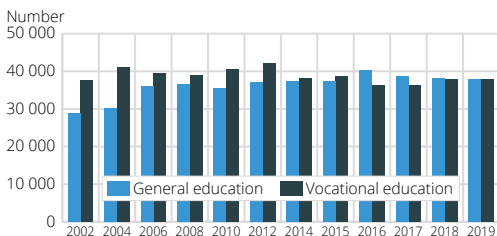
<sup>1</sup> For the projected figures for 2019-2040 it has been assumed that the proportion of 16-18-year-olds in upper secondary education in relation to the population as a whole will be the same as in 2018 (93.32%). <sup>2</sup> Population projections are estimated according to the average growth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

## Proportion of 16-year-olds with direct transition from lower secondary to upper secondary education. 2019

|                                           | All pupils | Immigrants | Norwegian-born to immigrant parents |
|-------------------------------------------|------------|------------|-------------------------------------|
| Completed lower secondary, spring 2019    | 60 634     | 5 069      | 4 044                               |
| In upper secondary education, autumn 2019 | 59 242     | 4 481      | 3 962                               |
| Percentage of direct transition           | 97.7       | 88.4       | 98.0                                |

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

## Pupils by area of study in level 1 in upper secondary education<sup>1</sup>



<sup>1</sup> 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: <https://www.ssb.no/en/vgu/>



## Pupils/apprentices<sup>1</sup> in education programmes in upper secondary education<sup>2</sup>. 2019

|                                                             | Pupils         |                | Apprentices   |                |
|-------------------------------------------------------------|----------------|----------------|---------------|----------------|
|                                                             | Total          | Per cent women | Total         | Per cent women |
| <b>Pupils/apprentices in upper secondary schools, total</b> | <b>196 629</b> | <b>50.6</b>    | <b>46 597</b> | <b>28.2</b>    |
| <b>Pupils in general education, total</b>                   | <b>122 450</b> | <b>55.9</b>    | .             | .              |
| specialising in general studies                             | 94 454         | 56.3           | .             | .              |
| in sports and physical studies                              | 12 268         | 44.0           | .             | .              |
| in music, dance and drama                                   | 6 338          | 69.2           | .             | .              |
| in art, design and architecture (Level 1 and 2 autumn 2017) | 2 992          | 78.1           | .             | .              |
| in media and communication (Level 1 and 2 autumn 2017)      | 6 398          | 48.8           | .             | .              |
| <b>Pupils/apprentices in vocational education, total</b>    | <b>74 179</b>  | <b>41.8</b>    | <b>46 597</b> | <b>28.2</b>    |
| in building and construction                                | 9 086          | 7.0            | 10 220        | 5.1            |
| in design, arts and crafts                                  | 3 611          | 75.5           | 1 837         | 84.1           |
| in electricity and electronics                              | 9 959          | 6.4            | 8 932         | 5.4            |
| in healthcare, childhood and youth development              | 23 519         | 80.1           | 8 557         | 78.9           |
| in media and communication                                  | .              | .              | 37            | 54.1           |
| in agriculture, fishing and forestry                        | 5 192          | 51.4           | 1 402         | 30.3           |
| in restaurant and food                                      | 3 546          | 46.5           | 1 950         | 47.3           |
| in service and transport                                    | 8 073          | 31.9           | 5 477         | 30.9           |
| in technical and industrial production                      | 11 193         | 11.3           | 8 185         | 9.5            |

<sup>1</sup> Persons in vocational training in schools are included.

<sup>2</sup> 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: <https://www.ssb.no/en/vgu/>

## Men and women in upper secondary education<sup>1</sup> as a percentage of the cohorts 16-18 years, immigrants and Norwegian-born to immigrant parents. 2019

|              | Total population | Immigrants  | Norwegian-born to immigrant parents |
|--------------|------------------|-------------|-------------------------------------|
| <b>Total</b> | <b>93.4</b>      | <b>80.2</b> | <b>93.5</b>                         |
| Men          | 93.0             | 79.2        | 93.0                                |
| Women        | 93.8             | 81.3        | 94.1                                |

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

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

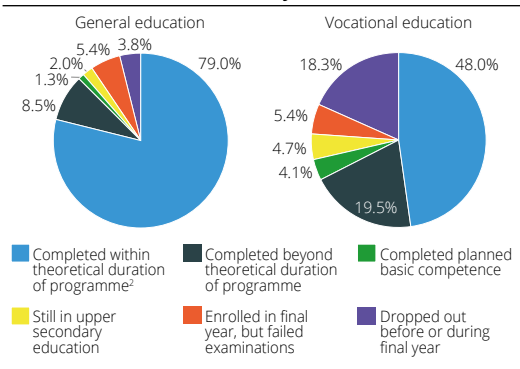
## Number of upper secondary schools. Ownership

|                      | 2002       | 2008       | 2010       | 2012       | 2014       | 2015       | 2016       | 2017       | 2018       | 2019       |
|----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>Total</b>         | <b>484</b> | <b>456</b> | <b>448</b> | <b>448</b> | <b>441</b> | <b>452</b> | <b>446</b> | <b>445</b> | <b>446</b> | <b>421</b> |
| State                | 3          | 3          | 3          | 3          | 3          | 4          | 4          | 4          | 3          | 4          |
| County               | 417        | 368        | 359        | 355        | 346        | 355        | 350        | 348        | 348        | 322        |
| Private <sup>1</sup> | 64         | 84         | 86         | 90         | 92         | 93         | 92         | 93         | 95         | 95         |

<sup>1</sup> Approved under the Private Education Act and qualifying for state subsidies.

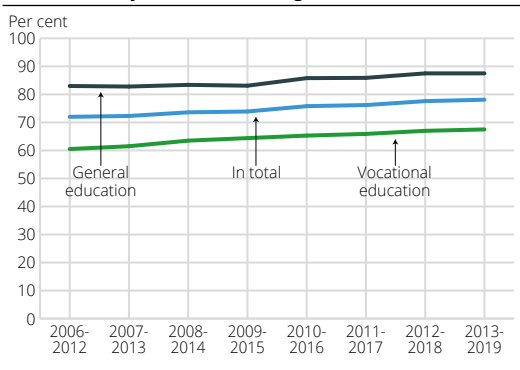
More information: <https://www.ssb.no/en/vgu/>

**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/six years<sup>1</sup>. Per cent**



<sup>1</sup> Six years for pupils entering one of the programmes on vocational studies and five years for pupils entering one of the programmes on general studies.  
<sup>2</sup> Theoretical duration for general education is three years, and mainly four years for vocational education.  
 More information: <https://www.ssb.no/en/vgogjen/>

**Completion rates in upper secondary education. Proportion of pupils who have completed upper secondary education within five/six years<sup>1</sup> after starting a basic course**



<sup>1</sup> Six years for pupils entering one of the programmes on vocational studies and five years for pupils entering one of the programmes on general studies.  
 More information: <https://www.ssb.no/en/vgogjen/>

## 4. Post-secondary vocational education

- Post-secondary vocational education comprises 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. 2019

|                                     | Total         | Public       | Private      |
|-------------------------------------|---------------|--------------|--------------|
| <b>Number of students, in total</b> | <b>17 882</b> | <b>8 729</b> | <b>9 153</b> |
| Percentage 20 years and younger     | 6.3           | 4.6          | 7.8          |
| Percentage 21-25 years              | 29.2          | 31.2         | 27.3         |
| Percentage 26-30 years              | 19.4          | 21.3         | 17.6         |
| Percentage 31-35 years              | 14.3          | 15.8         | 12.8         |
| Percentage 36-40 years              | 10.8          | 11.0         | 10.5         |
| Percentage 41-45 years              | 7.9           | 7.2          | 8.6          |
| Percentage 46-50 years              | 6.5           | 5.2          | 7.7          |
| Percentage 51 years and older       | 5.7           | 3.6          | 7.6          |

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

### Students in different fields of education in post-secondary vocational education. Number and per cent. 2019

|                                                                     | Total         | Men          | Women        |
|---------------------------------------------------------------------|---------------|--------------|--------------|
| <b>Total</b>                                                        | <b>17 882</b> | <b>9 874</b> | <b>8 008</b> |
| Humanities and arts                                                 | 10.6          | 5.7          | 16.6         |
| Education                                                           | 1.6           | 0.4          | 3.2          |
| Social sciences and law                                             | 1.1           | 1.5          | 0.6          |
| Business and administration                                         | 9.0           | 3.8          | 15.4         |
| Natural sciences, vocational and technical subjects                 | 42.8          | 70.7         | 8.5          |
| Health, welfare and sport                                           | 25.4          | 4.8          | 50.9         |
| Primary industries                                                  | 0.9           | 0.7          | 1.2          |
| Transport and communication, safety and security and other services | 8.5           | 12.4         | 3.7          |

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

### Students who started post-secondary vocational education for the first time in 2015<sup>1</sup>, and status five years later. Per cent

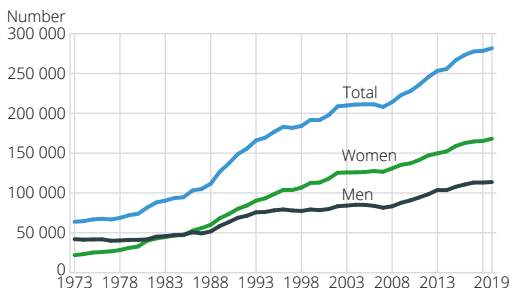
|                                                                | Total        | Men          | Women        |
|----------------------------------------------------------------|--------------|--------------|--------------|
| <b>Total</b>                                                   | <b>7 867</b> | <b>4 368</b> | <b>3 499</b> |
| Completed post-secondary vocational education within 2 years   | 48.0         | 40.7         | 57.2         |
| Completed post-secondary vocational education within 3-5 years | 11.9         | 18.2         | 4.1          |
| Still in post-secondary vocational education                   | 1.7          | 1.8          | 1.5          |
| Completed another programme                                    | 6.0          | 3.8          | 8.7          |
| Not completed                                                  | 32.4         | 35.5         | 28.6         |

<sup>1</sup> Students who started post-secondary vocational education in the period October 1, 2014 - September 30, 2015. More information: <https://www.ssb.no/en/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.

### Students<sup>1</sup> in higher education



<sup>1</sup> Students in higher education abroad are not included. PhD students are not included from 2002.

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

### Students in different fields of education in higher education<sup>1</sup>

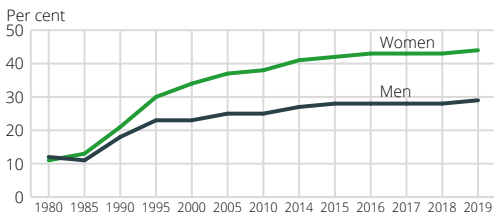
|                                                                      | Total          |                |                | Per cent women 2019 |
|----------------------------------------------------------------------|----------------|----------------|----------------|---------------------|
|                                                                      | 2000           | 2010           | 2019           |                     |
| <b>Total</b>                                                         | <b>186 002</b> | <b>227 747</b> | <b>281 702</b> | <b>59.7</b>         |
| Humanities and arts                                                  | 28 945         | 26 339         | 28 491         | 59.8                |
| Education                                                            | 30 682         | 33 342         | 48 266         | 72.4                |
| Social Sciences and law                                              | 24 504         | 31 150         | 36 467         | 63.6                |
| Business and administration                                          | 26 584         | 42 000         | 52 383         | 53.0                |
| Natural sciences, vocational and technical subjects                  | 36 173         | 37 712         | 49 764         | 34.1                |
| Health, welfare and sport                                            | 33 540         | 48 648         | 55 543         | 78.4                |
| Primary industries                                                   | 1 594          | 1 178          | 1 562          | 51.2                |
| Transport and communications, safety and security and other services | 2 860          | 4 055          | 6 971          | 37.9                |
| Other <sup>2</sup>                                                   | 1 120          | 3 323          | 2 255          | 52.9                |

<sup>1</sup> Students in higher education abroad are not included.

<sup>2</sup> Consists of unspecified fields of education and general programmes.

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

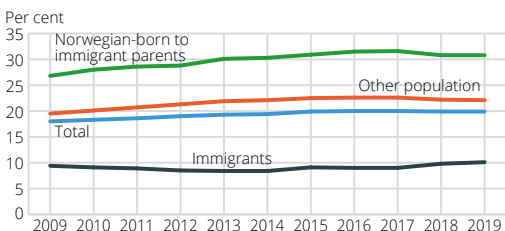
## Students aged 19-24 in higher education<sup>1</sup>, as a percentage of the population in this age group



<sup>1</sup> PhD students are not included.

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

## Students<sup>1</sup> aged 19-34 in higher education in Norway and abroad in per cent of registered cohort, by immigration category



<sup>1</sup> Students only include resident students as of October 1.

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

## Graduations in higher education<sup>1</sup> in Norway

|         | Total  | Higher education, short <sup>2</sup> | Higher education, long <sup>3</sup> | 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 |
| 2018/19 | 53 974 | 36 284                               | 16 095                              | 1 595 |

<sup>1</sup> Number of graduates may differ from previous publications due to annual updates based on late issued diplomas. <sup>2</sup> Including graduations from programmes 4 years or less but also 2 years and longer. <sup>3</sup> Including graduations from programmes longer than 4 years. Awarded doctoral degrees are not included

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

## New entrants<sup>1</sup> to higher education, and awarded qualification within eight years<sup>2</sup>

|                                                                | 1995          | 2000          | 2005          | 2010          | 2011          |
|----------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|
| <b>Total (number)</b>                                          | <b>37 831</b> | <b>40 118</b> | <b>41 324</b> | <b>48 153</b> | <b>49 528</b> |
| <b>Total (per cent)</b>                                        | <b>100.0</b>  | <b>100.0</b>  | <b>100.0</b>  | <b>100.0</b>  | <b>100.0</b>  |
| Doctorates, Ph.D                                               | 0.1           | 0.2           | 0.3           | 0.4           | 0,3           |
| Higher education graduates from programmes longer than 4 years | 12.8          | 15.6          | 21.9          | 24.4          | 24,8          |
| Higher education graduates from programmes lasting 2-4 years   | 48.8          | 40.1          | 39.7          | 41.0          | 42,4          |
| No awarded qualification                                       | 38.3          | 44.0          | 38.1          | 34.3          | 32,5          |

<sup>1</sup> Students who enrolled in higher education for the first time October 10, xxxx-1 – September 30, xxxx. 2011 refers to October 10, 2010 - September 30, 2011. <sup>2</sup> Awarded qualification by as of December 31, eight years after the student enrolled in higher education for the first time. More information: <https://www.ssb.no/en/hugjen/>

## Degree students from Norway in higher education abroad<sup>1</sup>, by country of destination or group of countries

|                                   | Students in higher education |               |               |               |               |               | Per cent    |
|-----------------------------------|------------------------------|---------------|---------------|---------------|---------------|---------------|-------------|
|                                   | 2012                         | 2014          | 2016          | 2017          | 2018          | 2019          | women 2019  |
| <b>Total</b>                      | <b>15 592</b>                | <b>16 916</b> | <b>15 762</b> | <b>15 486</b> | <b>14 953</b> | <b>14 480</b> | <b>61.9</b> |
| United Kingdom                    | 4 510                        | 5 182         | 4 442         | 4 197         | 3 892         | 3 728         | 65.3        |
| Denmark                           | 2 693                        | 2 974         | 2 407         | 2 341         | 2 257         | 2 258         | 65.2        |
| Poland                            | 1 505                        | 1 571         | 1 550         | 1 535         | 1 533         | 1 590         | 61.3        |
| Hungary                           | 805                          | 928           | 1 024         | 916           | 822           | 761           | 70.3        |
| Sweden                            | 733                          | 727           | 559           | 584           | 575           | 529           | 59.7        |
| Slovak Republic                   | 413                          | 488           | 534           | 544           | 528           | 506           | 65.2        |
| Netherlands                       | 379                          | 370           | 431           | 494           | 566           | 591           | 56.2        |
| Germany                           | 131                          | 186           | 224           | 291           | 285           | 292           | 52.4        |
| Spain                             | 312                          | 355           | 314           | 283           | 251           | 346           | 65.9        |
| Czech Republic                    | 204                          | 212           | 236           | 258           | 287           | 211           | 57.3        |
| France                            | 227                          | 213           | 255           | 203           | 198           | 174           | 54.6        |
| Italy                             | 85                           | 76            | 84            | 89            | 94            | 104           | 55.8        |
| Ireland                           | 89                           | 92            | 86            | 80            | 73            | 64            | 64.1        |
| Switzerland                       | 36                           | 56            | 48            | 68            | 66            | 71            | 47.9        |
| Rest of Europe                    | 371                          | 437           | 515           | 527           | 570           | 567           | 54.3        |
| Australia                         | 1 119                        | 771           | 715           | 655           | 674           | 557           | 69.5        |
| Rest of Oceania                   | 64                           | 67            | 49            | 43            | 50            | 41            | 85.4        |
| USA                               | 1 557                        | 1 837         | 1 779         | 1 717         | 1 695         | 1 610         | 50.5        |
| Canada                            | 128                          | 126           | 153           | 141           | 136           | 132           | 56.1        |
| South America                     | 17                           | 14            | 14            | 54            | 14            | 11            | 72.7        |
| Rest of North and Central America | 3                            | 4             | 9             | 78            | 2             | 2             | 100.0       |
| Asia                              | 152                          | 181           | 293           | 344           | 340           | 304           | 60.2        |
| Africa                            | 53                           | 49            | 39            | 37            | 40            | 23            | 65.2        |
| Not known or unspecified          | 6                            | -             | 2             | 7             | 5             | 8             | 75.0        |

<sup>1</sup> Exchange students and PhD students are not included.

Source: State Educational Loan Fund.

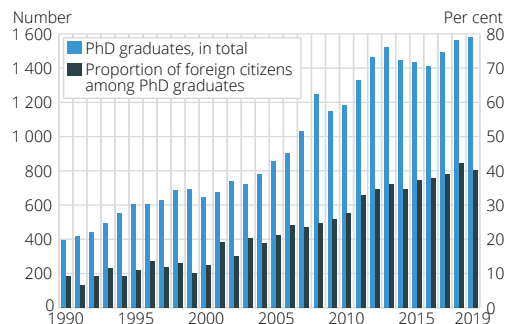
More information: <https://www.ssb.no/en/utuvh/>

## International student mobility<sup>1</sup> in higher education<sup>2</sup> in Norway

|                                         | 2016          | 2017          | 2018          | 2019          |
|-----------------------------------------|---------------|---------------|---------------|---------------|
| <b>International students, in total</b> | <b>12 259</b> | <b>12 294</b> | <b>12 398</b> | <b>12 716</b> |
| <b>From Europe, in total</b>            | <b>6 445</b>  | <b>6 193</b>  | <b>5 832</b>  | <b>5 687</b>  |
| Sweden                                  | 1036          | 869           | 744           | 739           |
| Germany                                 | 589           | 618           | 649           | 647           |
| Denmark                                 | 515           | 540           | 528           | 594           |
| Russian Federation                      | 686           | 481           | 364           | 301           |
| Italy                                   | 208           | 251           | 282           | 283           |
| France                                  | 180           | 233           | 252           | 277           |
| Spain                                   | 261           | 267           | 227           | 240           |
| Poland                                  | 279           | 239           | 249           | 238           |
| Finland                                 | 217           | 208           | 278           | 228           |
| United Kingdom                          | 208           | 214           | 213           | 218           |
| Netherlands                             | 213           | 226           | 215           | 198           |
| Ukraine                                 | 224           | 236           | 228           | 175           |
| Greece                                  | 124           | 133           | 128           | 124           |
| Iceland                                 | 168           | 156           | 122           | 122           |
| Serbia                                  | 120           | 106           | 90            | 95            |
| Romania                                 | 122           | 116           | 97            | 89            |
| Hungary                                 | 59            | 65            | 65            | 74            |
| Lithuania                               | 132           | 114           | 75            | 78            |
| Rest of Europe <sup>3</sup>             | 1 104         | 1 121         | 1 026         | 967           |
| <b>From Africa, in total</b>            | <b>1 171</b>  | <b>1 168</b>  | <b>1 061</b>  | <b>1 025</b>  |
| Ghana                                   | 177           | 183           | 188           | 199           |
| Nigeria                                 | 146           | 142           | 111           | 128           |
| Ethiopia                                | 205           | 190           | 165           | 127           |
| Rest of Africa                          | 643           | 653           | 597           | 571           |
| <b>From Asia, in total</b>              | <b>3 651</b>  | <b>3 823</b>  | <b>4 349</b>  | <b>4 819</b>  |
| China                                   | 773           | 771           | 891           | 871           |
| Nepal                                   | 494           | 522           | 507           | 502           |
| India                                   | 359           | 354           | 407           | 492           |
| Iran                                    | 314           | 315           | 370           | 483           |
| Syria                                   | 57            | 136           | 298           | 455           |
| Pakistan                                | 375           | 344           | 392           | 429           |
| Philippines                             | 285           | 257           | 254           | 284           |
| Rest of Asia <sup>3</sup>               | 994           | 1 124         | 1 230         | 1 303         |
| <b>From America, in total</b>           | <b>924</b>    | <b>1 039</b>  | <b>1 096</b>  | <b>1 122</b>  |
| USA                                     | 386           | 415           | 427           | 440           |
| Brazil                                  | 112           | 140           | 146           | 164           |
| Canada                                  | 120           | 147           | 152           | 144           |
| Mexico                                  | 68            | 76            | 85            | 106           |
| Colombia                                | 69            | 72            | 87            | 88            |
| Rest of America                         | 169           | 189           | 199           | 180           |
| <b>From Oceania, in total</b>           | <b>68</b>     | <b>71</b>     | <b>60</b>     | <b>63</b>     |
| Australia                               | 58            | 58            | 48            | 50            |
| New Zealand                             | 9             | 13            | 12            | 13            |
| Rest of Oceania                         | 1             | 0             | 0             | 0             |

<sup>1</sup> International students in Norway (excluding exchange students) are students with upper secondary education from abroad and moved to Norway less than five years ago. <sup>2</sup> Higher 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. <sup>3</sup> Turkey is included in Asia. Source: OECD and Statistics Norway, education statistics. More information: <https://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: <https://www.nifu.no/en/>

## Credits awarded to ordinary full-time students<sup>1</sup>, per cent

|                                                          | 2011-2012 |        | 2018-2019 |         |
|----------------------------------------------------------|-----------|--------|-----------|---------|
|                                                          | Men       | Women  | Men       | Women   |
| Total number of ordinary full-time students              | 64 407    | 89 892 | 83 179    | 113 661 |
| Credits awarded to ordinary full-time students, per cent | 100.0     | 100.0  | 100.0     | 100.0   |
| 0 credits                                                | 10.9      | 8.9    | 8.6       | 5.6     |
| 1-29 credits                                             | 10.9      | 8.6    | 9.1       | 6.6     |
| 30-59 credits                                            | 29.5      | 28.6   | 28.9      | 27.2    |
| 60 credits or more                                       | 48.7      | 53.9   | 53.5      | 60.6    |

<sup>1</sup> Ordinary students are students who are not in continuing education.

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



## 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          | 2017          | 2019          |
|-------------------------------------------------------|---------------|---------------|---------------|
| <b>Participants, in total</b>                         | <b>10 981</b> | <b>13 102</b> | <b>13 946</b> |
| Participants with basic adult training                | 7 468         | 9 807         | 10 574        |
| Participants with basic training and special training | 93            | 171           | 301           |
| Participants with special training for adults         | 3 420         | 3 124         | 3 071         |

More information: <https://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.

#### Adults in upper secondary education

|                                                                                 | 2014/15       | 2015/16       | 2016/17       | 2017/18       | 2018/19       |
|---------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|
| <b>Total</b>                                                                    | <b>24 096</b> | <b>27 135</b> | <b>27 104</b> | <b>27 913</b> | <b>32 352</b> |
| Pupils in schools                                                               | 10 777        | 12 212        | 12 232        | 12 493        | 15 949        |
| Participants in vocational training                                             | 13 319        | 14 923        | 14 872        | 15 420        | 16 403        |
| Trade examinations taken by candidates for experience-based trade certification | 8 313         | 8 877         | 9 087         | 9 012         | 9 411         |

More information: <https://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 courses<sup>1</sup> 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           | 2019 | 7 859 | 56.2           |

<sup>1</sup> Long courses in folk high schools last between 16.5 and 33 weeks.

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

## 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 <sup>1</sup> | 504 236      | 56.3           | 2017 | 522 458      | 57.0           |
| 2012              | 477 719      | 57.1           | 2018 | 478 548      | 57.5           |
| 2013              | 493 180      | 56.9           | 2019 | 485 173      | 57.9           |

<sup>1</sup> The introduction of the Act on adult education in 2009 led to changes in the statistics from 2010. More information: <https://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, first quarter.

### Participation in formal education, formal further education and courses and training in the last 12 months, among the employed aged 15-66<sup>1</sup> years. Per cent

|      | Formal education <sup>1</sup> |     |       | 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    |
| 2020 | 15                            | 12  | 18    | 49                   | 46  | 51    |

<sup>1</sup> Questions about participation in formal education are not asked to persons who are older than 59 years. Source: The Nordic Institute for Studies in Innovation, Research and Education (NIFU)/Statistics Norway.

More information: <https://www.ssb.no/en/lvm/>

### Course participations in web-based schools<sup>1</sup> in 2018-2019<sup>2</sup> by completion

|                                 | In total      | Completed    | Not completed | Ongoing      |
|---------------------------------|---------------|--------------|---------------|--------------|
| <b>Participations, in total</b> | <b>21 291</b> | <b>8 376</b> | <b>4 382</b>  | <b>8 533</b> |
| Younger than 30 years           | 13 678        | 5 407        | 2 594         | 5 677        |
| 30-49 years                     | 6 867         | 2 663        | 1 607         | 2 597        |
| 50 years and older              | 746           | 306          | 181           | 259          |

<sup>1</sup> 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. <sup>2</sup> 2018-2019 refers to the period from July 1, 2018 to June 30, 2019. Mer informasjon: <https://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 as of October 1, and aged 16 and over at the end of the reporting year.

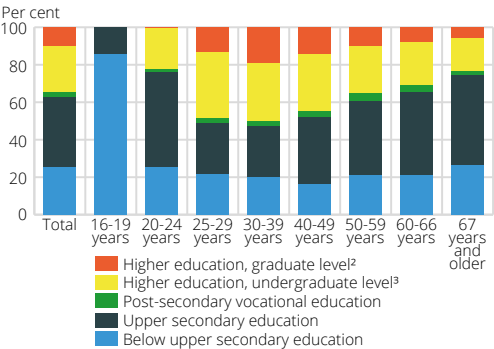
### Education level. Population aged 25 years and older by level of higher education

|                   | Higher education, undergraduate level <sup>1</sup> |                | Higher education, graduate level <sup>2</sup> |                |
|-------------------|----------------------------------------------------|----------------|-----------------------------------------------|----------------|
|                   | 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 <sup>3</sup> | 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           |
| 2019              | 983 341                                            | 59.2           | 445 663                                       | 47.7           |

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

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

### Education level for the population 16 years and older<sup>1</sup>. 2019



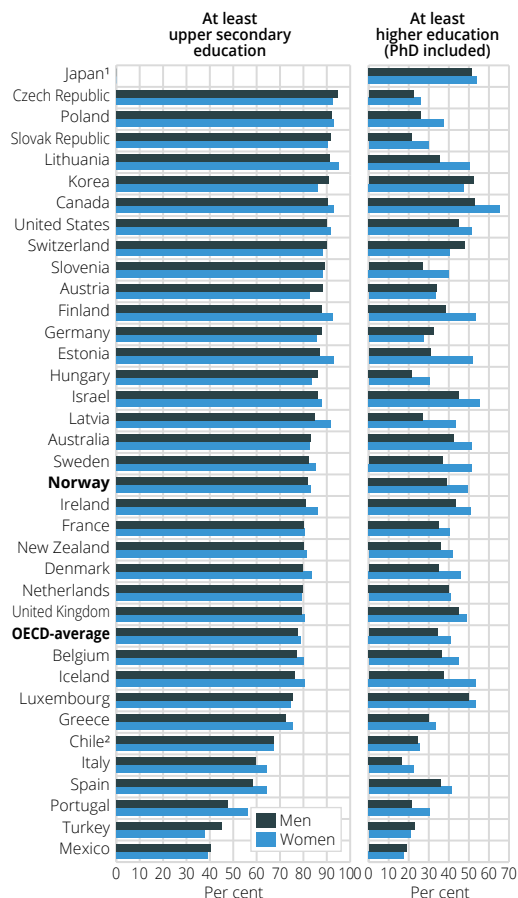
<sup>1</sup> Not including persons with unknown or not completed education.

<sup>2</sup> More than 4 years, PhD included.

<sup>3</sup> Four years or less.

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

## Education level among men and women aged 25-64 in OECD-countries. 2019



<sup>1</sup> Data for at least upper secondary education not available.

<sup>2</sup> 2017-figures.

Source: OECD, Education at a Glance 2020.

More information: <https://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<br>primary functions <sup>1</sup> | Children | Children <sup>2</sup><br>per man-year |
|-------------------|------------------------------------------------|----------|---------------------------------------|
| 2016 <sup>3</sup> | 61 434                                         | 282 649  | 6.0                                   |
| 2017              | 61 559                                         | 281 622  | 6.0                                   |
| 2018              | 63 049                                         | 278 578  | 5.9                                   |
| 2019              | 63 831                                         | 275 804  | 5.7                                   |

<sup>1</sup> Man-years to primary functions include directors, educational leaders and assistants.

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

Source: KOSTRA. More information: <https://www.ssb.no/en/barnehager/>

#### Teacher man-years<sup>1,2</sup> in primary and lower secondary schools and pupils per teacher man-year

|      | Teaching<br>man-years | Pupils  | Pupils per<br>teaching<br>man-year |
|------|-----------------------|---------|------------------------------------|
| 2015 | 56 505                | 601 792 | 10.7                               |
| 2016 | 57 629                | 606 242 | 10.5                               |
| 2017 | 58 438                | 608 901 | 10.4                               |
| 2018 | 59 373                | 610 673 | 10.3                               |
| 2019 | 59 909                | 608 932 | 10.2                               |

<sup>1</sup> Teaching man-years in municipal primary and lower secondary schools, adjusted for sick-leave and maternity leave.

<sup>2</sup> Statistics Norway has started using a new method that provides better information about working hours from 2015 and onwards. The new method will have consequences for the estimation of man-years, which is based on contractual percentage of full-time equivalents.

Source: Registerbased personnel reporting in Statistics Norway/Kostra.

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

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

|                   | Teaching man-years <sup>1</sup> | Pupils <sup>2</sup> | 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 <sup>3</sup> | 20 934                          | 182 222             | 8.7                          |
| 2016              | 20 855                          | 184 022             | 8.8                          |
| 2017              | 20 710                          | 183 503             | 8.9                          |
| 2018              | 20 834                          | 183 662             | 8.8                          |
| 2019              | 20 892                          | 180 183             | 8.6                          |

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

<sup>2</sup> Pupils in upper secondary education and students in post-secondary vocational education in county upper secondary schools.

<sup>3</sup> Numbers from 2015 are not directly comparable with previous years. Statistics Norway has started using a new method that provides better information about working hours from 2015 and onwards. The new method will have consequences for the estimation of man-years, which is based on contractual percentage of full-time equivalents. Employees in folk high schools and other schools where both primary and secondary industry group are post-secondary vocational education, are no longer included. Teachers who do not have occupation which implies that they are teachers or students in post-secondary vocational education, are also not included.

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

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

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

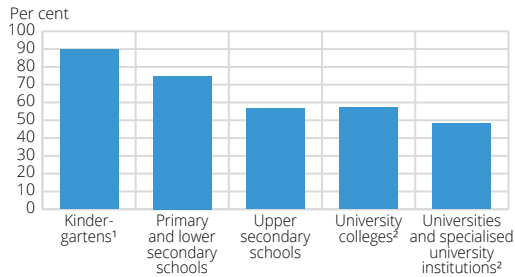
|      | Teacher man-years | Students | Students per teacher man-year |
|------|-------------------|----------|-------------------------------|
| 2008 | 17 952            | 206 191  | 11.5                          |
| 2010 | 18 758            | 218 243  | 11.6                          |
| 2012 | 19 099            | 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                          |
| 2018 | 23 402            | 275 610  | 11.8                          |
| 2019 | 24 196            | 279 197  | 11.5                          |

### Total

|                                             |        |         |      |
|---------------------------------------------|--------|---------|------|
| Universities                                | 19 566 | 184 889 | 9.5  |
| State specialised university institutions   | 862    | 9 385   | 10.9 |
| Private specialised university institutions | 709    | 25 613  | 36.2 |
| State university colleges                   | 2 413  | 42 935  | 17.8 |
| Private university colleges                 | 646    | 16 375  | 25.3 |

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

### Proportion of female teaching staff in types of schools/ institutions. 2019



<sup>1</sup> Proportion of female employees. Houseporter and cleaning staff are not included.  
<sup>2</sup> 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: <https://www.ssb.no/en/kostra/> and <https://dbh.nsd.uib.no>

### Proportion man-years by type of employment and educational background. 2019

|                                                              | Pre-school teacher education <sup>1</sup> | Other pedagogical education <sup>2</sup> | Other higher education | Skilled worker training <sup>3</sup> | Other education |
|--------------------------------------------------------------|-------------------------------------------|------------------------------------------|------------------------|--------------------------------------|-----------------|
| Head teachers                                                | 98.3                                      | 0.6                                      | 0.5                    | 0.2                                  | 0.4             |
| Pedagogical leaders                                          | 91.9                                      | 1.8                                      | 0.9                    | 3.6                                  | 1.8             |
| Other paraprofessionals <sup>1</sup>                         | 0.6                                       | 1.9                                      | 2.7                    | 44.4                                 | 50.3            |
| Bilingual assistants                                         | 21.2                                      | 9.1                                      | 6.8                    | 16.6                                 | 46.2            |
| Staff to children, or groups of children, with special needs | 25.0                                      | 10.6                                     | 7.4                    | 25.0                                 | 31.9            |

<sup>1</sup> Includes kindergarten teachers or equivalent education which meets the requirements for pedagogical leaders. <sup>2</sup> Pedagogical education which does not meet the requirements for pedagogical leaders. <sup>3</sup> Skilled worker training includes vocational training and other skilled worker training.

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

## Employed teachers<sup>1</sup> in primary and lower secondary schools, by pedagogical education. Number and per cent

|                                                                             | 2015          | 2017          | 2019          |
|-----------------------------------------------------------------------------|---------------|---------------|---------------|
| <b>Teachers in primary and lower secondary schools, in total</b>            | <b>72 000</b> | <b>74 637</b> | <b>76 699</b> |
| Pre-school-/kindergarten teacher education                                  | 10.0          | 9.6           | 8.8           |
| General-/primary and lower secondary teacher education, undergraduate level | 49.5          | 48.3          | 47.7          |
| Specific subject and vocational teacher training                            | 4.6           | 4.7           | 4.6           |
| Practical-pedagogical education for university and college graduates        | 9.8           | 10.1          | 10.9          |
| Practical-pedagogical education for vocational teachers                     | 1.8           | 2.1           | 2.4           |
| General-/primary and lower secondary teacher education, graduate level      | 0.3           | 0.6           | 0.8           |
| Lecturer education grade 8-13 and equivalent masters                        | 0.5           | 0.8           | 1.2           |
| Special needs education                                                     | 0.7           | 0.7           | 0.7           |
| Other types of pedagogical education                                        | 9.7           | 9.8           | 10.1          |
| No pedagogical education                                                    | 13.1          | 13.4          | 12.8          |

<sup>1</sup> A teacher is counted only once, with the most relevant education for the school level they are working at. Source: Register-based personnel statistics, Statistics Norway.

More information: <https://www.ssb.no/en/utdansatte/>

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

|                                                        | 2015          | 2017          | 2019          |
|--------------------------------------------------------|---------------|---------------|---------------|
| <b>Teachers in upper secondary schools, in total</b>   | <b>26 524</b> | <b>26 568</b> | <b>26 755</b> |
| Long higher education with a teachers education        | 26.8          | 29.5          | 32.1          |
| Long higher education with other educational sciences  | 2.7           | 2.8           | 2.9           |
| Long higher education with-out educational science     | 5.8           | 5.2           | 4.7           |
| Short higher education with a teachers education       | 45.8          | 45.1          | 44.2          |
| Short higher education with other educational sciences | 6.1           | 5.9           | 6.1           |
| Short higher education without educational science     | 6.8           | 6.3           | 5.4           |
| Upper secondary education                              | 6.1           | 5.2           | 4.6           |

Source: Register-based personnel statistics, Statistics Norway.

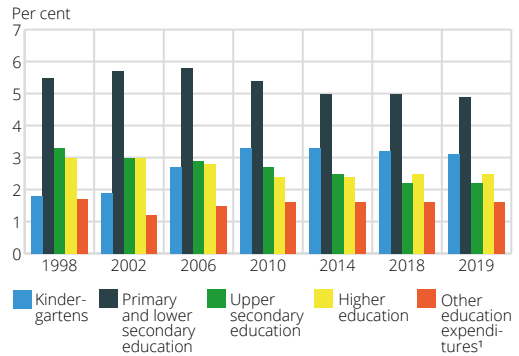
More information: <https://www.ssb.no/en/utdansatte/>



## 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



<sup>1</sup> Includes expenditure for

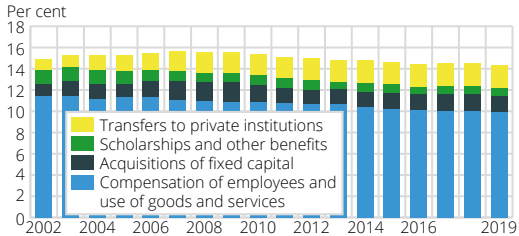
a) Education irrespective of level (e.g. adult education),

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

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

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

### Government expenditure on education<sup>1</sup> as a percentage of total public expenditure, by type of expenditure



<sup>1</sup> Expenditure on kindergartens are included.

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

- **KOSTRA** is an abbreviation for “Municipality-State-Reporting”. Since 2001, all local governments have been reporting 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 – minus earmarked grants from central government and direct user payments.

### **Municipal spending on kindergartens. Selected figures. 2019**

|                                                                                               | 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                         | 164 477         |
| Adjusted gross operating expenditure per adjusted hour of attendance, public kindergartens    | 79.5            |
| <b>Expenditure as a percentage of total expenditure:</b>                                      |                 |
| Attendance and stimulation, function 201                                                      | 79.3            |
| Special measure, function 211                                                                 | 10.7            |
| Facilities, function 221                                                                      | 10.1            |

Source: KOSTRA. More information: <https://www.ssb.no/en/barnehager/>

### **Municipal spending on primary and lower secondary education. Selected figures. 2019**

|                                                                                                       | Country average |
|-------------------------------------------------------------------------------------------------------|-----------------|
| Adjusted gross expenditure on primary and lower secondary school, per pupil                           | 126 820         |
| of which, education (202 <sup>1</sup> ), per pupil                                                    | 102 983         |
| of which, school premises (222), per pupil                                                            | 21 473          |
| Adjusted gross expenditure on primary and lower secondary school, per pupil admitted school transport | 10 536          |
| Gross operating expenditure on day-care facilities, per pupil in day-care facilities                  | 32 580          |

<sup>1</sup> Function 202 includes teaching, administration, inventory, equipment and educational equipment.

Source: KOSTRA. More information: <https://www.ssb.no/en/utgrs/>

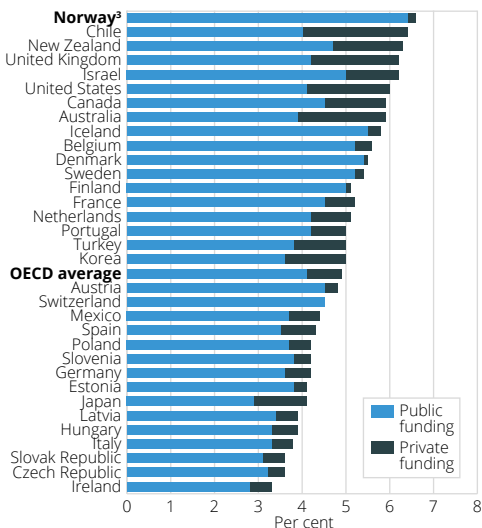
# Adjusted gross operating expenditures (direct) per pupil<sup>1</sup> by area of study in upper secondary education. 2019

|                        | Expenditure<br>per pupil | General areas<br>of study | Vocational<br>studies |
|------------------------|--------------------------|---------------------------|-----------------------|
| <b>Country average</b> | <b>86 641</b>            | <b>75 709</b>             | <b>107 067</b>        |
| Østfold                | 81 467                   | 69 952                    | 98 558                |
| Akershus               | 77 671                   | 71 026                    | 101 060               |
| Oslo                   | 78 980                   | 75 215                    | 106 751               |
| Hedmark                | 94 395                   | 78 801                    | 112 997               |
| Oppland                | 89 131                   | 76 905                    | 104 596               |
| Buskerud               | 87 484                   | 76 133                    | 105 489               |
| Vestfold               | 84 185                   | 77 465                    | 102 665               |
| Telemark               | 89 118                   | 76 473                    | 108 938               |
| Aust-Agder             | 93 171                   | 78 344                    | 109 513               |
| Vest-Agder             | 83 764                   | 73 448                    | 108 654               |
| Rogaland               | 84 838                   | 76 248                    | 102 341               |
| Hordaland              | 82 556                   | 71 855                    | 102 864               |
| Sogn og Fjordane       | 100 200                  | 79 879                    | 114 189               |
| Møre og Romsdal        | 93 092                   | 81 323                    | 111 287               |
| Trøndelag Tröndelage   | 89 806                   | 76 605                    | 109 071               |
| Nordland               | 102 669                  | 83 166                    | 121 286               |
| Troms Romsa            | 93 988                   | 82 205                    | 112 120               |
| Finnmark Finnmárku     | 109 238                  | 85 791                    | 125 135               |

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

Source: KOSTRA. More information: <https://www.ssb.no/en/vgu/>

## Expenditure on educational institutions<sup>1</sup> in OECD countries, as a percentage of GDP for all levels of education and by type of funding<sup>2</sup>. 2017



<sup>1</sup> Final funds (after transfers between public and private sectors).

<sup>2</sup> Countries are ranked by descending resource use in total. Kindergartens are not included.

<sup>3</sup> Figures for Norway are based on mainland-GDP.

Source: OECD, Education at a Glance 2020, table C2.2.

More information: <https://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 | 2019 |
|------------------------------------------|------|------|------|------|------|------|------|------|
| <b>Total</b>                             | 7.9  | 8.3  | 8.1  | 8.2  | 8.3  | 8.4  | 8.4  | 8.4  |
| Kindergartens                            | 1.7  | 1.8  | 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  | 2.9  |
| Upper secondary education                | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.3  | 1.3  |
| Higher education                         | 1.3  | 1.3  | 1.3  | 1.3  | 1.4  | 1.4  | 1.4  | 1.5  |
| Other education expenditure <sup>1</sup> | 0.8  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 1.0  | 0.9  |

<sup>1</sup> This includes expenditures for a) Education irrespective of level (e.g. adult education), b) Services related to education (e.g. food, lodging, doctor and dentist costs), c) Miscellaneous (e.g. administration, coordination, monitoring/follow-up of education plans and budgets).

Source: Public Finances, Statistics Norway. More information: <https://www.ssb.no/en/offinnut/>

# Number of children, pupils and students. 2019

## Children in kindergartens



**98 369**

0-2 years



**177 435**

3-6 years

## Pupils in primary and lower secondary education



**446 218**

pupils in primary education



**190 032**

pupils in lower  
secondary education

## Pupils, apprentices and trainees in upper secondary education



**196 629**

pupils in upper secondary education



**48 457**

apprentices and trainees

## Students in higher education and in post-secondary vocational education



**296 182**

students in higher education



**17 882**

students in post-secondary  
vocational education

# Statistics Norway

Postal address:

Postboks 2633 St. Hanshaugen

NO-0131 Oslo

Office address:

Akersveien 26, Oslo

Otervegen 23, Kongsvinger

E-mail: [ssb@ssb.no](mailto:ssb@ssb.no)

Internet: [www.ssb.no](http://www.ssb.no)

Telephone: +47 62 88 50 00

ISBN 978-82-587-1242-5 (printed)

ISBN 978-82-587-1243-2 (electronic)

Statistics Norway, Division for Education and Culture

Statistics is responsible for this publication.



**Statistisk sentralbyrå**

Statistics Norway