Population register and quality work in Norway

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Population register (CR) in Norway

1735: National coverage of parriage records for baptisms, marriages and burials

1769/1801: First population census

1948: First population register law (Local population registers only)

1964: ID number introduced and Population Register (CPR) established by Statistics Norway, based on the 1960 Population Census

1991: CPR transferred to the Directorate of Taxes.

2011: First register based census
Most important status variables

- Personal Identification Number, PIN
- Residence status (resident, deceased, emigrated, etc)
- Address
- Municipality
- Dwelling number
- Place of birth (municipality or country)
- Name (incl. first and middle names)
- Surname prior to marriage
- Citizenship
- Country of immigration
- Country of emigration
- Marital status
- PIN of spouse, mother and father

→ Links between siblings, cousins, children and grandparents, etc
Most important flow variables registered by the CPR

- Births
- Deaths
- Marital changes (marriages incl. same-sex marriages, separations, divorces, annulments...)
- Emigrations and immigrations
- Internal moves
- Address changes
- Name changes
- Citizenship changes
- Gender changes
- PIN changes
The statistical copy of the Central Population Register
Modernizing the population register

• New law adopted end 2015
• Project runs from 2016 – 2020
• Key goals
  • More electronic and automated processes (first step: D-number)
  • Make it easier to verify identity and reveal real duplicates
User forum
Quality work at SN

- Record linkage of various registers

- Development of quality indicators which are used to report back to register owners

Source: Blue-Ets Project: [www.blue-ets.istat.it/](http://www.blue-ets.istat.it/)
Record linkage

Population
PIN number
The Norwegian Tax Administration

Businesses
Organizational number
The Brønnøysund Register Centre

Properties
House code
The Norwegian Mapping Authority

Address is key identifier

Statistics Norway
Quality criteria for administrative data

- Technical checks (readability, convertability)
- Accuracy (consistency and error checks)
  - Too many people living at one address
  - Non-matching civil status
- Completeness
  - Non-registered people
  - People who have not registered emigration
- Time (timeliness and punctuality)
- Integrability

Source: Blue-Ets Project: www.blue-ets.istat.it/
Quality reports for administrative registers

- About 100 reports linked to agreements with 33 owners of registers
- Follow quality criteria
Principles for cooperation with data owners, given the statistics law

- Feedback on data quality on single source:
  - SN complain on the quality of the deliverables
  - SN return individual based information with positive indicators

- Feedback on quality – combination of sources:
  - SN give feedback at aggregate level – main rule
  - Assuming a data processing agreement: We can supply individual data with positive indicators
    - The data owner has the legal authority to use the second source
    - The data owner has a copy of the other source available
Publication of 2016 VS figures

Population and population changes, 1 January 2017

Variants of the statistics: Annually, per 1 January  Annually estimated figures Quarterly

The annual figures as at 1 January are published in February every year and show the population by sex and age at year-end. Statistics Norway also publish quarterly figures on changes.

Municipal figures are in table 2 and in StatBank (Find more figures).

Published: 23 February 2017

Population of 5 258 000 at year start

The population of Norway reached 5 258 000 at the start of the year. The number of foreign citizens grew by 21 000 in 2016 to 559 000 on 1 January 2017.

Population, by age. 1 January

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>Change in percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>5 258 317</td>
<td>0.9</td>
</tr>
<tr>
<td>0 years</td>
<td>59 335</td>
<td>-0.1</td>
</tr>
</tbody>
</table>

Statistics Norway’s Information Centre
E-mail: informasjoner@ssb.no
tel.: (+47) 21 09 46 42

FIND MORE FIGURES
in StatBank for births, deaths, migration and population of the country, counties and municipalities for previous years.

https://www.ssb.no/en/befolkning/statistikker/folkemengde/aar-per-1-januar/2017-02-23