

Trends in International Mathematics and Science Study (TIMMS)

The entity that has organized the survey and is responsible for data collection – as well as key data on the entity's membership, governance arrangements, source of funding etc.

TIMSS is organized by the TIMSS & PIRLS International Study Center, Lynch School of Education at Boston College and the International Association for the Evaluation of Educational Achievement.

A historical sketch of the initiation and origin of the survey

The first TIMMS was conducted in 1995 and was the largest and most ambitious international study of student achievement conducted up to that time.

Internet links to the website of the responsible organization

[The website of the Lynch School of Education](#)

[The website of the International Association for the Evaluation of Educational Achievement](#)

[The website of the TIMSS & PIRLS International Study Center](#)

The frequency or repetitions of the survey. Possible explanation of this.

The ordinary TIMSS is conducted every fourth year. The Advanced TIMS is conducted at irregular intervals.

[TIMSS I: 1995](#)

[TIMSS II: 1999](#)

[TIMSS III: 2003](#)

[TIMSS IV: 2007](#)

[TIMSS V: 2011](#)

[TIMSS VI: 2015](#)

[TIMSS ADVANCED I: 1995](#)

[TIMSS ADVANCED II: 2008](#)

[TIMSS ADVANCED III: 2015](#)

A description of the survey's content, i.e. both focused rotational and / or core modules of the survey

TIMSS is measuring trends in mathematics and science achievement at the fourth and eighth grades. TIMSS Advanced measures trends in advanced mathematics and physics for students in their final year of secondary school. For details on the curriculum of the different tests, please refer to the round-specific information via the links (see above).

An outline of the type of sample and the main data collection methods used

The sampling procedures and sample sizes have varied between the rounds and between countries. For details, please refer to the links to the different rounds (see above).

The data is collected through an assessment of the students.

An account of the availability of the data to researchers, restrictions on access, etc.

The data from TIMSS 1995-2011 and TIMSS Advanced 1995-2008 are made available on their website.

Questionnaires, English version

There are several of these for each round: Questionnaires for the students, questionnaires for the teachers, for 4th grade and for 8th grade, the assessment itself and so on. Please refer to the round-specific links above for more information on each round. The National Center for Education Statistics also has an [overview of the TIMSS questionnaires](#).

The countries included in the different rounds

The TIMSS 1995 included more than 40 countries. The participation varies between different rounds and also between TIMSS and TIMSS Advanced. Please refer to the round-specific information (see above).

Cumulative file of the various rounds

There is no cumulative file.

Publications based on the data

[Publications based on TIMSS](#)

Analytical summary...**Sources**

Unless otherwise noted, all information is extracted from the website of the TIMSS.