

Pakistan - National Achievement Test, Quami Iktasabi Azmaish

**National Educational Assessment System - Government
Provincial Assessment Centers - Provincial governments**

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Overview

Identification

Version

PRODUCTION DATE

2014

Summary

ABSTRACT

The National Assessment Test (NAT) is administered annually by the National Educational Assessment System and the Provincial Assessment Centers to grade 4 (ISCED 1) and grade 8 (ISCED 2) students in general education programmes in public schools. At the beginning, the assessment was administered every four years.

The NAT is a low-stake assessment. It is a written assessment, administered face-to-face and delivered through paper-pencil tests. At each grade, all test-takers are presented with the same cognitive booklets or tests, which are aligned with the national curriculum.

The NAT serves the following purposes:

- supporting teachers (training, relevant materials, etc.)
- school or educator accountability
- promoting competition among schools
- sub-national level monitoring of learning outcomes
- monitoring education quality levels
- planning education policy reforms
- reforming curriculum and school based assessments

KIND OF DATA

Random sample

UNITS OF ANALYSIS

Results are reported at the student, school, sub-national and national levels. Data are disaggregated by sex, geographic location (urban and rural), major cities and provinces.

Results are published in reports that are available in print and online. The results are published in the media, and disseminated through brochures and newsletters.

Scope

NOTES

The NAT assesses several subjects: English language, Urdu language, Mathematics, Science, and Social Studies.

However, not all subjects are assessed every year for each class. In 2014, the NAT assessed English language and Science in

Grade 4; and Urdu language and Mathematics in Grade 8.

The Mathematics, Science and Social studies test can be taken in English, Urdu and Sindhi. The test language depends on the children's geographic location. For example, children in Sindh province take the tests in Sindhi.

Description of test items: Test items consist of multiple choice questions with three or more response options, open-ended questions requiring short constructed responses and essay writing.

Description of stimuli: Test stimuli consist of continuous, non-continuous and mixed texts.

Reporting metrics: Student performance is reported by average score. The minimum requirement to meet the national standard is a score of 500 out of 1000, or 50%.

Coverage

GEOGRAPHIC COVERAGE

National (However, different provinces may be covered every year)

UNIVERSE

Students enrolled in grade 4 (ISCED 1) and grade 8 (ISCED 2) in general education programmes in public schools.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
National Educational Assessment System	Government
Provincial Assessment Centers	Provincial governments

OTHER PRODUCER(S)

Name	Affiliation	Role
National Educational Assessment System	Government	Test development and administration; data processing and dissemination; programme development
Provincial Assessment Centers	Provincial governments	Test development and administration; data processing and dissemination; programme development
Ministry of Federal Education & Professional Training	Government	Funding

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
National Education Assessment System	NEAS	Government	Overall organisation of the assessment process
UNESCO Institute for Statistics	UIS	United Nations	Questionnaire design, metadata collection, review and publication

DATE OF METADATA PRODUCTION

2014

DDI DOCUMENT ID

PAK-NAT-2014

Sampling

Sampling Procedure

The sample is drawn using a three-stage sampling design.

Administrative units are selected in the first stage. No specific information on the nature of these administrative units is available.

In the second stage, a random sample of schools is selected.

In the third stage, students are randomly selected at each targeted grade.

Schools with less than five students enrolled at each targeted grade were excluded from the sample.

Questionnaires

Overview

The NAT is comprised of four background questionnaires:

- student questionnaire: collects information on tuition, household and family dynamics, language spoken, favourite subject, availability of help for homework at home and availability of utilities at home.
- teacher questionnaire: collects information on age, qualification, administrative and academic experience.
- school principal questionnaire: collects information on age, qualification, administrative and academic experience, interaction with district management, relationship and interaction with teachers and students.
- parents questionnaire: collects information on qualification, occupation, help provided to the student with homework, satisfaction regarding the teacher, participation to school activities.

Data Collection

Data Collection Dates

Start	End	Cycle
2014	2014	Every year

Data Collection Mode

Face-to-face

Data Collection Notes

The following actions were taken to reduce non-sampling error:

- Conducted a pilot survey
- Trained data collection staff
- Trained data processing staff

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Data Access

Access Authority

National Education Assessment System (University of Colombo), <http://edu.cmb.ac.lk/nerec/test/>

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Access Conditions

To access the data, please send a request to the National Education Assessment System (NEAS), Ministry of Federal Education & Professional Training, Plot No.37, H-9, Islamabad, Pakistan 44000.