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Institute for Statistics

SDG 4 Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

METADATA

Target 4.3 By 2030, ensure equal access for all women and men to affordable and quality technical, vocational and tertiary education, including university

4.3.3 Participation rate in technical and vocational programmes (15- to 24-year-olds), by sex

Definition

Percentage of young people aged 15-24 years participating in technical or vocational education either in formal or non-formal (e.g. work-based, or other settings) education, on a given date or during a specified period.

Purpose

To show the level of participation of youth in technical and vocational education and training.

Calculation method

The number of young people aged 15-24 years participating in technical and vocational education at secondary, post-secondary non-tertiary or tertiary levels of education is expressed as a percentage of the population of the same age group.

$$PR_{V,15t24} = \frac{E_{V,15t24}}{P_{15t24}}$$

where:

$PR_{V,15t24}$ = participation rate of young people aged 15-24 years in technical and vocational education and training.

$E_{V,15t24}$ = enrolment in technical and vocational education and training of young people aged 15-24 years.

P_{15t24} = population aged 15-24 years.

Interpretation

A high value indicates a large share of the 15 to 24-year-old population are participating in education and training designed specifically to lead to a job.

Type of data source

Administrative data, household surveys.

Disaggregation

By age and sex from administrative sources; by age, sex, location and income from household surveys and others as available.

Data required

Numbers of participants aged 15-24 years in technical and vocational education and training; population estimates for the age group 15-24 years.

Data sources

Administrative data from schools and other places of education and training or household survey data on enrolment in technical and vocational programmes by single year of age; population censuses and surveys for population estimates for the age group 15-24 years (if using administrative data on enrolment).

The Technical Cooperation Group on the Indicators for SDG 4 - Education 2030 (TCG) has recommended a set of survey questions to collect data for SDG indicators 4.3.1, 4.3.3 and 4.6.3 (see <http://tcg.uis.unesco.org/wp-content/uploads/sites/4/2019/01/TCG5-REF-4-indicator-4.3.1.pdf>).

Quality assurance

The indicator should be calculated based on data on the given age-group participation in technical and vocational education and training from both public and private schools. The UIS maintains a global database used to produce this indicator.

Limitations and comments

Technical and vocational education and training can be offered in a variety of settings including schools and universities, workplace environments and others. Administrative data often capture only provision in formal settings such as schools and universities. Participation rates do not capture the intensity or quality of the provision nor the outcomes of the education and training on offer.