

The VET Graduate Tracking (SZPR) System

Aims, population, and the use of data

2026.03.18.

Legislation on public and vocational education

| | Vocational education and training (vocational school, technical school) Adult learning | Public education (nursery, primary school, high school) |
|--------------------------------------|---|--|
| Supervising ministry | Ministry of Culture and Innovation (policy) | Ministry of Interior (policy) |
| Central state administrative body | National Office of Vocational Education and Training and Adult (NOVETAL) Learning (public administration) | Educational Authority (public administration) |
| Public register | Central Information System for Vocational Education and Training (SZIR) – student and faculty record Database for Adult Learning (FAR) | Central Information System for Public Education (KIR) – student and faculty record |
| Legislation | Vocational Training Act | Public Education Act |



NOVETAL, student registration system and the graduate tracking system

- NOVETAL operates the registration system of vocational training and adult education. All participants in school-based VET or adult learning are included in the data integration.
- Regarding vocational training, there are 520 schools and 310 000 students currently. Their data is synchronized by the VET registration system (SZIR) from the school records every four hours.
- All trainings in adult education is represented, with a narrower content.
- The VET graduate tracking system was established in June 2021 (pilot), The first data integration started in 2022.
- Two types of data collection:
 - I. Connecting administrative data (Data Integration Module)
 - II. Questionnaire and research data /seperated from admin data/ (Survey Module)

Aims

Anonymous administrative data collection (education, taxation, population and social security databases;



Developing longitudinal surveys of graduates at the level of the educational system and institutions

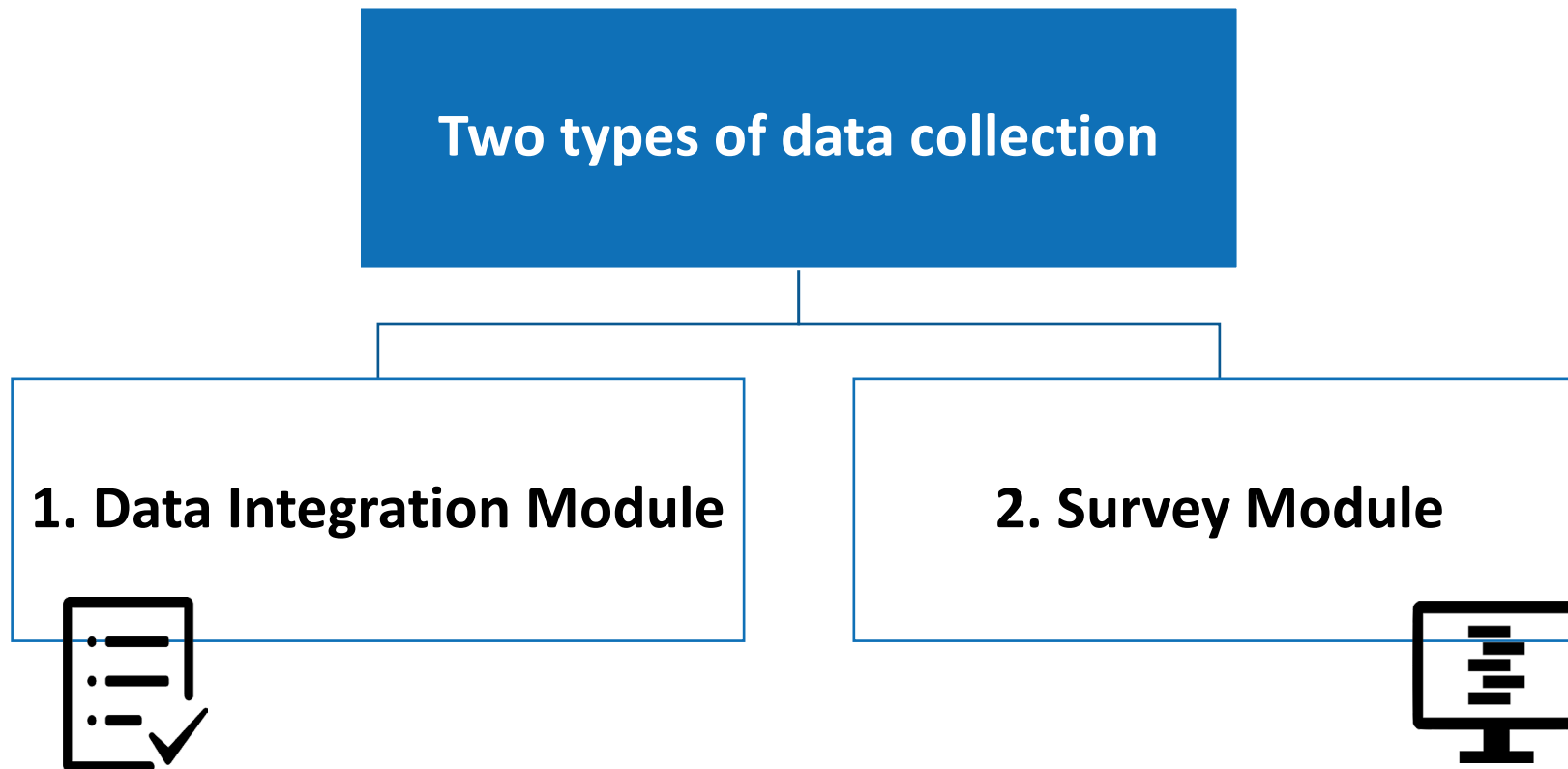


Enabling authorities to link data from different sources in an anonymised way in order to build a comprehensive picture.



Encouraging a high, representative and sustainable response rate to longitudinal surveys among graduates

Setup



Methodology

SZPR Questionnaire Modul (KM):

| | |
|-----------------------------------|--|
| Reserach method: | Questionnaire survey with a focus on career choice and career tracking. |
| Method of data collection: | Online questionnaire via a central study system (KRÉTA). |
| Period of data collection: | 2021/2022 , 2022/2023, 2023/2024, 2024/2025 spring semester |
| Method of sampling: | Purposive sampling, with a complete population survey → high number of non-answers due to voluntary completion. |
| Populáció: | All students appearing in the Vocational Education Information System (SZIR) in the listed academic year |
| Sample: | The sample is considered representative of the type of training of the students, the gender, age group, and characteristics of the students (SNI or BTMN status); and for the regional location and type of the school Three sub-samples: students starting training, students in their final year, intermediate students/16-year-olds |



Szakképzési Pályakövetési Rendszer (SZPR)

1. Questionnaire modul

2. Data integration modul

3. Follow-up survey

2022

2024

10 677 fő

24 077 fő

37 061 fő

27 509 fő

2023

2025

RR:8,16%

RR:16,16%

RR:19,0%

RR:13,5%

Data integration module

- The tracking process starts when participants first appear in the registers SZIR or FAR.
- Students who did not complete their education during the study period are also part of the sample.
- The length of the career tracking is the training period. Then the tracking continues for 9 years after the end of the training, which is reduced to 5 years in the case of training programs that do not award a state certificate.
- The scope of examined data: participation in training, labour market, social security, benefits, etc.

Methodology of the data integration module

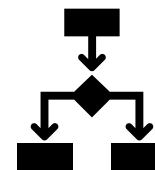
- Connecting the public registers in an individual single-row, depersonalized form.
 - two times a year
 - using three anonymized hash code (based on social security number, education identification number, tax identification number)
 - 7 data owners
 - 118 data fields
- The sample of the first data connection was made up of those appearing in the SZIR or FAR system between September 1, 2020 and December 31, 2021.
 - ~240.000 people in vocational training
 - ~950.000 people in adult learning
- In order to include those newly appearing in the SZIR or FAR system, the sample is expanded every six months, with each data integration.

Questionnaire in school-based VET - yearly

| Target group | 9th grade students participating in school-based vocational training or students in flexible training | Students in „between” classes participate in school-based vocational training | Students preparing to complete their studies |
|-------------------------------------|--|---|--|
| What do we get an answer to? | <ul style="list-style-type: none"> • Motivation for career choice • The role of scholarships • The impact of primary schools and vocational training institutions on career guidance • The career guidance impact of professionals, events and events • The role of family background • Academic history, learning difficulties • Developments received | <ul style="list-style-type: none"> • Academic progress • Study and employment plans • Satisfaction with training • Satisfaction with teachers and instructors • Knowledge and experience related to career guidance opportunities and career counseling • Role of family background, parental expectations • Learning difficulties | <ul style="list-style-type: none"> • Motivation for career choice • Satisfaction with training • Further study plans • Employment plans • Knowledge of further education and employment opportunities • Role of family background • Knowledge and experience related to career guidance opportunities and career counseling |

Aims

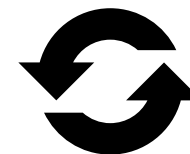
Supporting the
policy-making
process



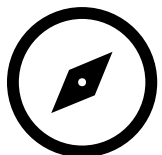
Optimizing training
provision



Feedback to institutions
and VET centres (yearly
reports)



Orientation and counseling



Maintaining
effectiveness and
quality assurance



Scope of use of VET graduate tracking results

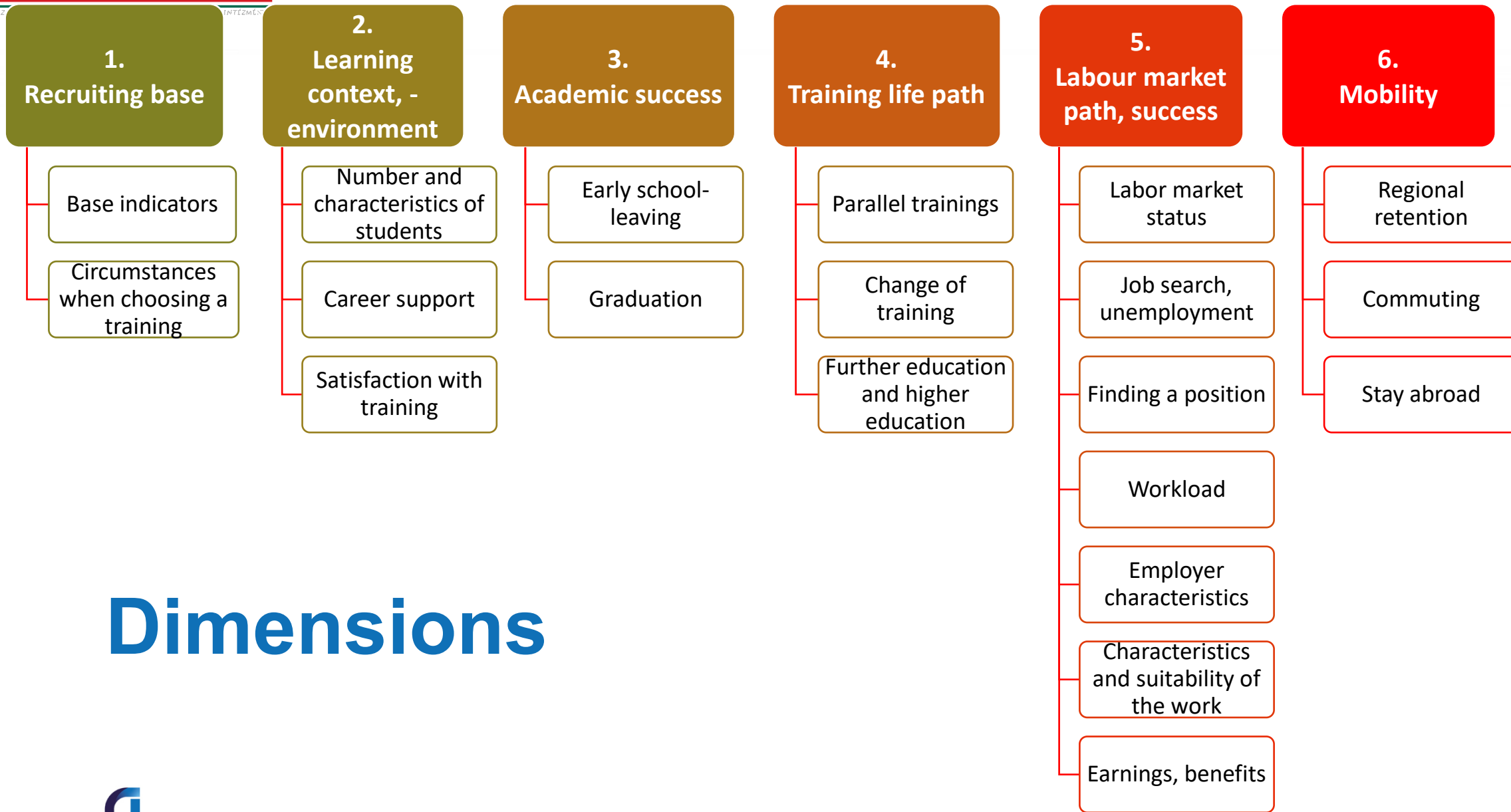
Decision makers

Labourmarket
actors

Students before a
career path

Stakeholders

Institutions and
trainers



Dimensions

Gross average earnings of students who have acquired a profession and are employed

TECHNIKUM

graduated in 2020/2021.

432,000 Ft

graduated in 2021/2022.

454,000 Ft

graduated in 2022/2023.

560,000 Ft

0 Ft 200,000 Ft 400,000 Ft 600,000 Ft

SZAKKÉPZŐ ISKOLA

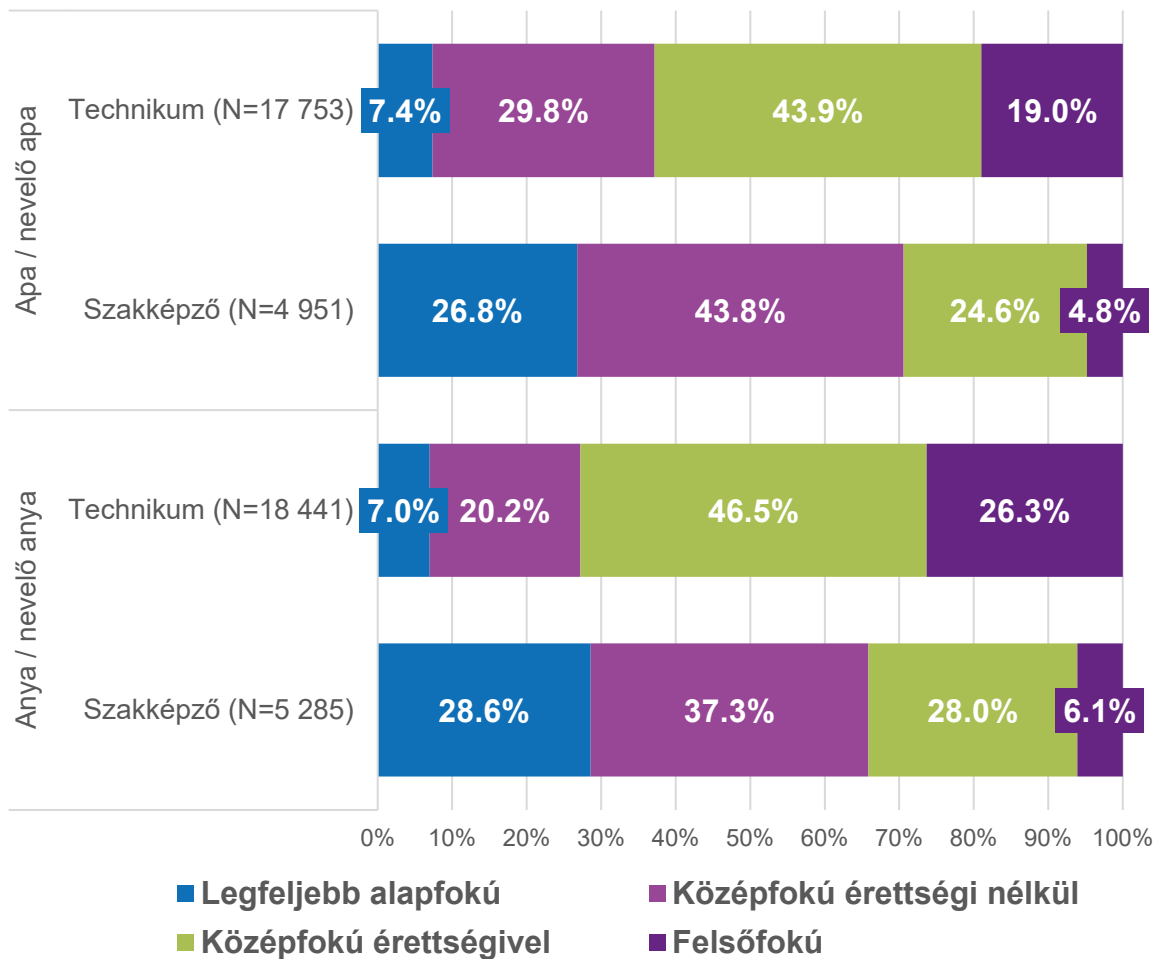
436,000 Ft

448,000 Ft

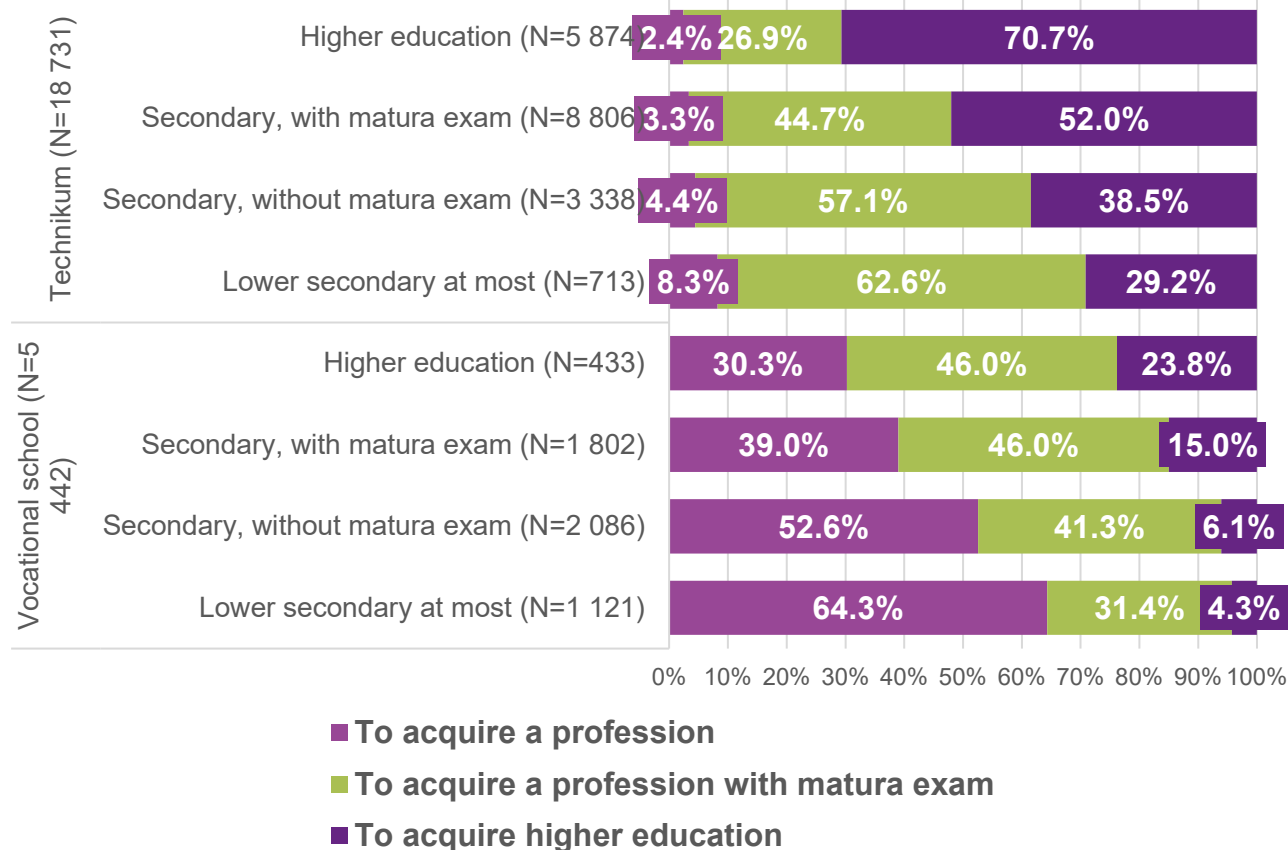
587,000 Ft

0 Ft 200,000 Ft 400,000 Ft 600,000 Ft

Vocational training as a channel of social mobility

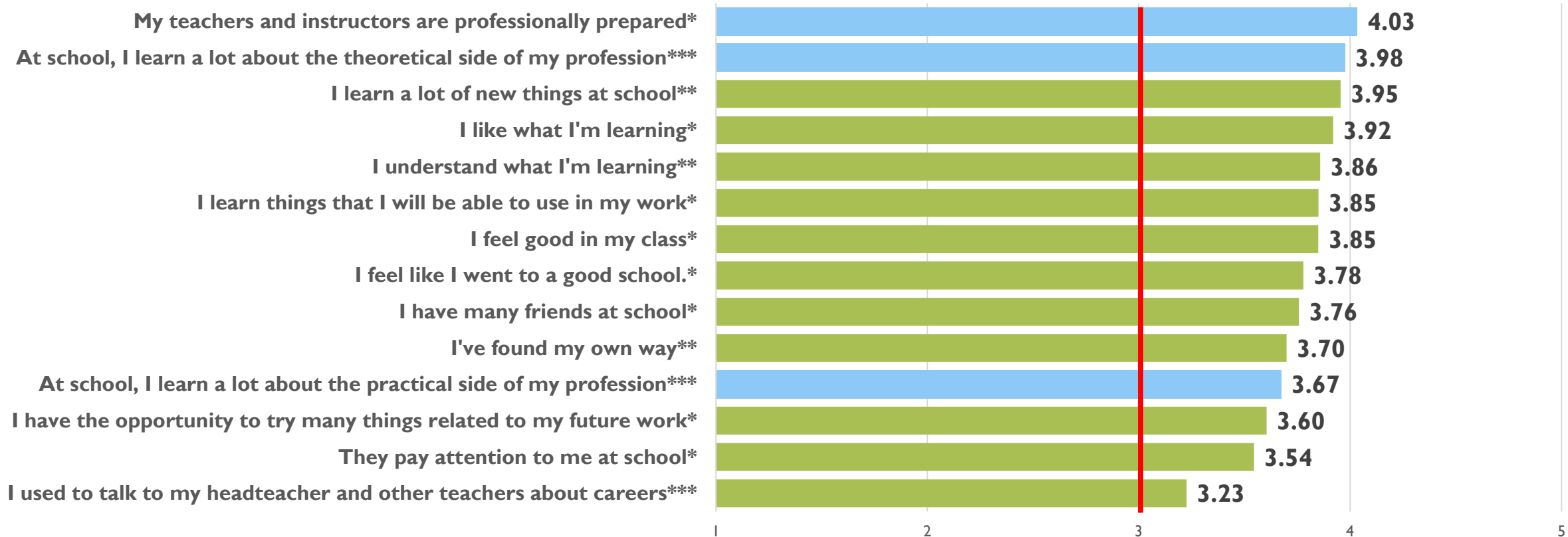


What level of education do you want to acquire? (according to parents' highest level of education)



Evaluation of the training: satisfaction

To what extent do you agree with the following statements about your current education?



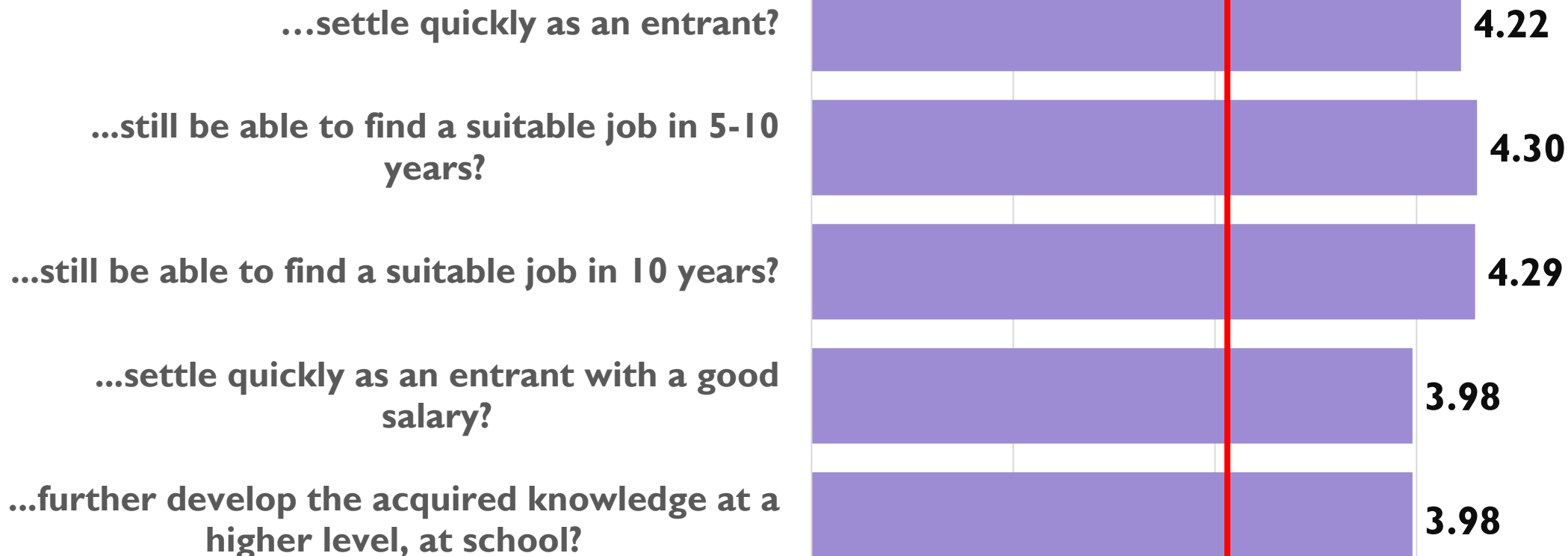
*Mindhárom alminta, N=27 201

**9. évfolyamosok almintája, N=7 223

***Köztes évfolyamosok és végzősök almintája, N=19 978

Evaluation of the training: perspective

How suitable is your current profession or field of study to...



9. évfolyamosok és köztes évfolyamosok almintája, N=20 921

Thank you for your attention!