

Information to the participants:

Information for the students taking part in the study on “Modeling the approaches to studying and learning, study success and self-perceived study-related burnout with high and low-stake performance assessment of European veterinary students”

Background

The veterinary education is faced with a challenge to support the students' learning so that they obtain defined professional competencies, skills and knowledge within a limited time frame and using the available teacher resources. The assessment practices are at the center in taking on the challenge. They largely determine how reliably it can be estimated whether the desired learning outcomes have been reached. In addition, the assessment has a great impact on the students' study behavior and on how they approach their studies. The entities that are assessed are the ones the students consider most important and to which they dedicate their greatest efforts.

Previous work from several different fields has shown a correlation between the students' learning approaches and their study success. The University of Helsinki (UH) has extensively followed its students' approaches to studying and learning in the eleven faculties using a validated HowULearn study questionnaire (<https://blogs.helsinki.fi/howulearn/en/>). The questionnaire also addresses the students' own perception of study-related burnout. The recent surveys among the UH students have indicated that students' own evaluations of study-related burnout are related to the dimensions in their approaches to learning and studying.

We have adapted 21 questions from the HowULearn questionnaire to be used in this study. They measure different dimensions of approaches to studying and learning, and on self-perceived study-related burnout. The questions are in English and do not attempt to assess burnout as a medical condition in any degree. The questions are designed only to reflect the students' own perceptions and risk of burnout.

Objectives

The main objective of the research project (Study) is to **compare two different proxies of study success** to each other: the course grades which are usually based on high-stake examinations and students' performance in the low-stake integrative VetRepos progress tests (<https://www.vetrepos.eu>). All students who can participate in the Study have taken the VetRepos progress test once or more. The second objective is to **describe the relationship between study success, students' approaches to studying and learning, and their own perception of study-related burnout**.

What is expected from the student that chooses to participate?

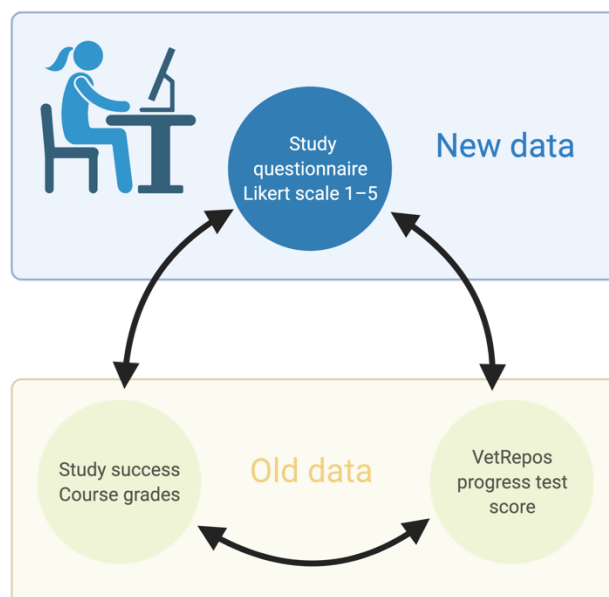
- The student is invited to take part in study questionnaire based on HowULearn (<https://blogs.helsinki.fi/howulearn/en/>) and designed to shed light on their learning strategies and study experiences. The estimated time to answer the questionnaire is 10–15 min.
- The student is asked to give their consent for the research group to access student's study records and their responses to the VetRepos progress tests, and to combine these data for scientific research purposes. The consent will be asked using a web form before the student is presented with the questionnaire. Individual students nor their responses will not be identifiable when the results of the study are reported.

Privacy issues

The responses to the study questionnaire from the individual student must be identifiable in order to answer the study questions. For this purpose, all tests and questionnaires include a unique identifier (e.g., study number) of each student, contact info (e.g., email-address for feedback) and some background information (like university, years in study, age and gender).

Before participation the student is asked for permission to collect, analyze and store their responses and the given personal information. The student **at all times** has the right to be forgotten meaning that all personal data collected in this project is deleted (see <https://gdpr.eu/right-to-be-forgotten/>). No sensitive data will be collected in this project, no personal data will be shared with anyone outside the project, and all data collection, analysis and storing will be compliant with the EU general data protection regulation (GDPR – see <https://gdpr.eu/>)

The individual student's data (answers to the questionnaire using a Likert scale 1–5) will be combined with the student's scores on the VetRepos progress tests and – after the student's explicit consent and if permitted by the home University's data privacy policy – with the study grades. The student number will be removed and the data from each University will be combined for analyses. Researchers from all partner Universities will take part in the analysis of the data and in the interpretation and publishing of the research results. The results will be published in such a form that it is not possible to identify any single individual. After publishing, the data will be anonymized and stored in a dedicated repository. From the anonymized data it is not possible to identify any individual. The original data will be destroyed. An overview of the collection of data and its analysis together with existing data is presented below.



If you have any questions, reservations or suggestions, please don't hesitate to contact representative of the Study in your faculty.

- Copenhagen: Peter Holm, pho@sund.ku.dk
- Hannover: Elisabeth Schaper, Elisabeth.Schaper@tiho-hannover.de
- Helsinki: Antti Iivanainen (principal investigator), antti.iivanainen@helsinki.fi
- Oslo: Charles M. Press, charles.press@nmbu.no
- Uppsala: Johanna Penell, johanna.penell@slu.se
- Utrecht: Theo van Haeften, T.vanHaeften@uu.nl