

INPLASY PROTOCOL

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Conflicts of interest:
None declared.

Factors associated with school failure in higher education according to the perception of teachers and students: systematic literature review

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Review question / Objective: What factors can be associated with school failure in higher education according to the perception of teachers and students?

Condition being studied: This systematic literature review aims to analyze the factors associated with school failure in higher education.

Study designs to be included: Questionnaires/Scale, interviews, focus group, case and multi-case studies, observational studies, document analysis.

INPLASY registration number: This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 22 November 2022 and was last updated on 14 December 2022 (registration number INPLASY2022110111).

INTRODUCTION

Review question / Objective: What factors can be associated with school failure in higher education according to the perception of teachers and students?

Rationale: School failure in higher education occurs when a student fails to achieve the objectives of a given curricular

unit, obtaining a negative grade that obliges him to repeat the same curricular unit in the following year(s). This situation creates discomfort, demotivates the student and can lead to school dropout. On the other hand, a failure means wasted money and wasted time. Therefore, school failure has social, economic and psychological consequences that can seriously affect the student's life.

Condition being studied: This systematic literature review aims to analyze the factors associated with school failure in higher education.

METHODS

Search strategy: We will limit ourselves to using electronic databases. Therefore, we decided not to use manual search. Wildcards and Boolean characters will be used in the bibliographic research process in the selected databases combined with the keywords of this study, which should result in the following research equation: ("school failure" OR "academic failure") AND (Universit* or "higher education") AND (Student* AND Teacher*) AND Perception*.

Participant or population: Studies involving professors who teach in the 1st year of engineering courses and students attending one or more curricular units of the 1st year of higher education.

Intervention: Factors associated with school failure in higher education according to the perception of teachers and students.

Comparator: Perceptions of teachers and students.

Study designs to be included: Questionnaires/Scale, interviews, focus group, case and multi-case studies, observational studies, document analysis.

Eligibility criteria: Inclusion criteria

- The population will be able to integrate higher education students and professors;
- Factors associated with academic failure of higher education students;
- Some articles on school success were included, which also ended up analyzing the issue of school failure;
- Articles with peer review;
- Only articles in English.

Exclusion criteria

- Articles that do not contain perceptions of higher education students and/or professors were not selected;
- Articles that do not refer to factors associated with school failure in higher

education were also not selected;
- Delete all gray literature.

Information sources: Eric, PubMed, Scopus, Web of Science, Scholar Google.

Main outcome(s): - Factors associated with school failure in higher education; - Perceptions of teachers and students.

Additional outcome(s): - Factors associated with academic success in higher education.

Data management: The data will be stored in EndNote, which will function as the sole manager of bibliographic references. Ethical criteria regarding copyright will be safeguarded. The researcher will be the only one to manage the database.

Quality assessment / Risk of bias analysis:

For the evaluation of the methodological quality of the scientific articles to be selected for the systematic review of the literature, we will use the tools of Downs and Black (1998) with 27 items and five parameters, namely:

- a) Form of communication of results;
- b) External validity;
- c) Internal validity;
- d) Confounding factors;
- e) Study power.

Knowing that the score ranges from "one (1) or zero (0)", corresponding, in this case, to the absence of the criterion.

Strategy of data synthesis: First, we will select several keywords taking into account the research question, then, using wildcards and Boolean characters, we will create a search equation that will allow us to find a set of articles in the databases selected for this study. We will select articles with available text and with peer review. After a screening process based on the inclusion and exclusion criteria, the articles closest to the research question will be used for the systematic literature review. The research data of the articles will be presented through the prism flows and tables in order to facilitate the comparison of different studies.

Subgroup analysis: Nothing planned.

Sensitivity analysis: We respected all questions related to research ethics in analyzing the data and writing the systematic literature review.

Language restriction: No language restrictions.

Country(ies) involved: Portugal and Angola (Universidade de Coimbra and Universidade Católica de Angola).

Other relevant information: The extraction of data from the articles for the construction of the literature review will be done from the starting question of this study based on the S.P.I.D.E.R. strategy:

- sample
- Phenomenon of interest/Intervention
- Project,
- Evaluation/Observation
- Type of search

Keywords: School failure, higher education, perceptions of teachers and students.

Dissemination plans: his systematic literature review will be published in an Indexed Magazine and may also be the subject of one or more conferences at higher education institutions and/or international congresses.

Contributions of each author:

Author 1 - Samuel Tumbula - The entire systematic literature review will be performed by a single author.

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