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Key words: artificial intelligence, academic integrity, plagiarism, ChatGPT, scientific research.

THE ROLE OF AI IN SHAPING FUTURE LEARNING: INSIGHTS FROM LITHUANIA

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Introduction. This abstract explores the evolving role of Artificial Intelligence (AI) in education, with a focus on its implications in Lithuania. The research provides background information and objectives, highlighting the need for a deeper understanding of AI's impact on learning in K-12.

Materials and methods. The methodology includes a comprehensive review of current AI applications in education, complemented by a survey among Lithuanian students (K-12) to assess their awareness and usage of generative AI tools. Conducted from September 15th to September 23rd, 2023, the study employed a mixed-method approach comprising face-to-face interviews and self-administered questionnaires. The probabilistic sampling strategy aimed to representatively cover various demographic variables: age, sex, place of residence, and school/class distribution. The survey was

carried out in six Lithuanian municipalities to ensure a diverse representation of the country's educational landscape. In total, 504 secondary school students from II, III, and IV grades participated.

Results. The survey uncovered varying levels of awareness and use of AI tools among students. The data showed that a vast majority 85% of students are aware of tools like "ChatGPT" and "Bard," with 79% using them in the learning process and 68% for homework or essay writing. Usage frequency varied, with 5% using AI tools daily, 20% several times a week, and 33% about once a month. Furthermore, 52% of students are planning to use AI tools in the future.

Conclusion. The findings indicate an increasing influence of AI in education, underscoring the need for a balanced approach that addresses ethical use, academic integrity, and the development of relevant skills and competencies through AI. The goal of K-12 education should be to provide students with a well-rounded learning experience that not only covers academic content but also fosters critical life skills with AI.

Key words. Artificial Intelligence, Education, Lithuania, EdTech, Academic Integrity, OXSICO