

Project 7.4 Improvement of the Polish Hematooncology Register (PROH) archival data quality and descriptive epidemiological research on hematooncological malignancies in Polish Adolescents and Young Adults (AYA) patients diagnosed in 2000-2022

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www: <https://www.pib-nio.pl/>

<https://onkologia.org.pl/pl>

Background:

In 2023, the Polish Minister of Health, established the Polish Onco-Hematology Registry (pol. Polski Rejestr Onko-Hematologiczny; PROH), Poland's first clinical cancer registry. The registry was created within the structures of the National Cancer Registry (pol. Krajowy Rejestr Nowotworów; KRN), operating in the country since the 1960s. The purpose of the PROH is to record new cases of haemato-oncological malignancies in a more complex way than before, with particular emphasis on data on treatment and the patient's follow-up after the diagnosis. Upon its establishment, the PROH acquired access to the archival data of the KRN of haemato-oncological malignancies and took care of them. With the establishment of the new PROH registry, the prospective collection of data on cases and patient follow-up will be achievable and standardized because the new E-KRN+ system contains the most up-to-date versions of all classifications used in this field. However, using the archive data and assessing the epidemiological indicators at the start of the PROH operation will remain challenging. Estimating epidemiological indicators such as incidence and mortality for separate morphological diagnoses at the moment of establishing the PROH registry is necessary to create a reference point for analyses developed by the PROH registry in the future. A critical group of patients from the point of view of the registry are Adolescents and Young Adults (AYA), who, due to their young age at the time of diagnosis, may develop new tumors in the future, or a previously diagnosed tumor may transform, and therefore data about such a patient will be entered into the registry again. The project in cooperation with Prof. Giebel of the Maria Skłodowska-Curie National Research Institute of Oncology, Gliwice.

Aim:

This population-based study aims to comprehensively investigate the epidemiology of hematological malignancies among Adolescents and Young Adults (AYAs) in Poland. By analyzing incidence, mortality, and prevalence rates, as well as demographic and clinical characteristics, the research seeks to deepen our understanding of the disease burden and inform targeted interventions for this vulnerable population.

Requirements:

- higher education in the field of medical, health, natural, or exact sciences,
- high analytical skills,
- very good knowledge of data analysis programs, e.g., Program "R", SAS, Statistica, or similar,
- very good knowledge of English with particular emphasis on medical terminology (minimum B2),
- diligence, meticulousness, and accuracy,
- experience in conducting scientific work confirmed by a portfolio of scientific works published in scientific journals with Impact Factor in the field of medical sciences and/or health sciences will be an asset.