



## Northern Dimension Antibiotic Resistance Study (NoDARS)



is a collaborative European research project in which the Institute of Occupational Medicine and Environmental Health participates (IOMEH). The Northern Dimension Partnership in Public Health and Social Well-being is the lead partner of the project, and the Public Health Agency of Sweden, the Institute of Antimicrobial Chemotherapy of Smolensk State Medical Academy (Russia), the Pauls Stradins Clinical University Hospital (Latvia), the Norwegian Institute of Public Health and the Robert Koch Institute (Germany) are the other partners of the project. The participation of the University of Turku (Finland) is discussed. This 3-year project, which is co-financed by the European Union, has been started in October 2014. From the IOMEH, Danuta Lis as the project leader is responsible for the implementation of the project.

The aim of the study is to determine the levels of specified antimicrobial resistance in *Escherichia coli* bacteria isolated from uncomplicated urinary tract infections (UTIs) in patients attending primary health care centers. Moreover, the penetration of antimicrobial resistance in the population (healthy individuals) will be examined by determining the carriage rate of ESBL- and carbapenemase-producing *E. coli* and *Klebsiella pneumoniae* in community carriers.

The obtained results will be used to assess current national recommendations of empirical antibiotic therapy and antimicrobial resistance strategies, as well as to suggest proper changes. The objective is that treatment recommendations for uncomplicated UTIs will be based on actual resistance levels to a larger extent. Such recommendations may make it possible to avoid unnecessary use of broad-spectrum antibiotics in empirical therapy and slow the development and dissemination of antibiotic resistance.

If you would like to read further information about the project, visit the IOMEH website at a later time, contact with Polish project leaders, Piotr Brewczyński ([p.brewczynski@imp.sosnowiec.pl](mailto:p.brewczynski@imp.sosnowiec.pl)) and Danuta Lis ([d.lis@imp.sosnowiec.pl](mailto:d.lis@imp.sosnowiec.pl)), or subscribe the NDPHS newsletter (<http://www.ndphs.org/?subscribe-unsubscribe>).

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*“The European Union is made up of 28 Member States who have decided to gradually link together their know-how, resources and destinies. Together, during a period of enlargement of 50 years, they have built a zone of stability, democracy and sustainable development whilst maintaining cultural diversity, tolerance and individual freedoms. The European Union is committed to sharing its achievements and its values with countries and peoples beyond its borders”.*