



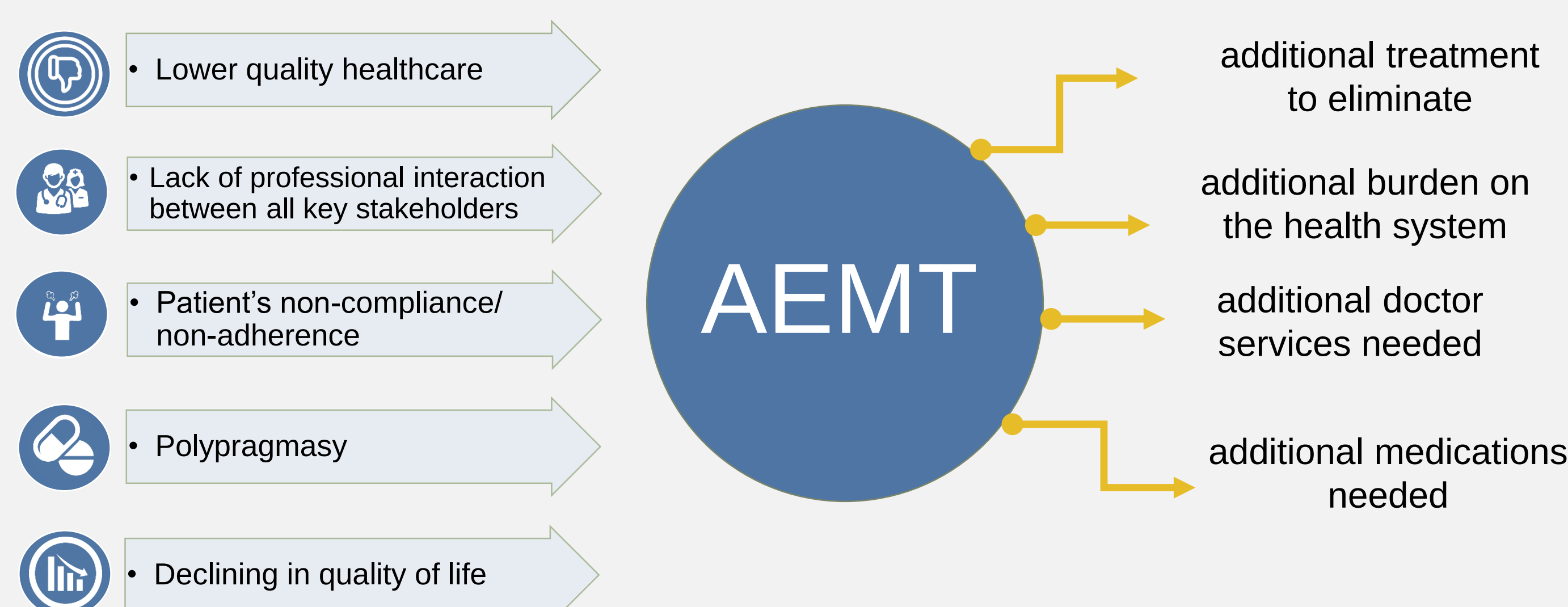
COMPARATIVE ANALYSIS OF DISABILITY ADJUSTED LIFE YEARS FROM ADVERSE EFFECTS OF MEDICAL TREATMENT IN UKRAINE AND OTHER COUNTRIES

PMU34

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Formulation of the problem



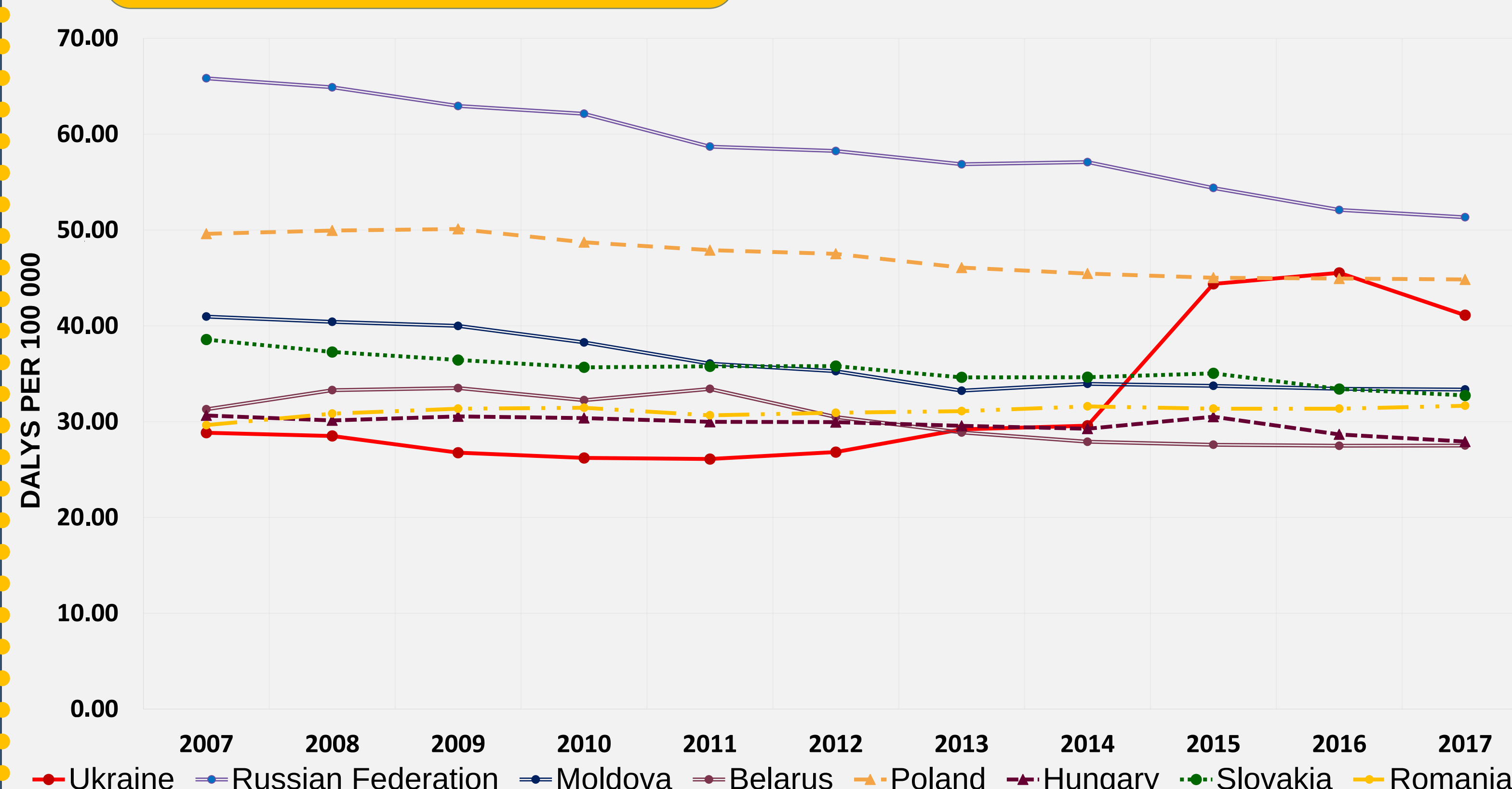
Materials and methods

The data of the Institute for Health Metrics and Evaluation (IHME) at the University of Washington were used. It is a known fact that cardiovascular diseases (CVD) when people need all-life poly-medication treatment may increase the possibility of AEMT. Therefore, the Spearman correlation between DALY data from AEMT and CVD collected for researched countries was calculated. Global Burden of Disease Study 2017. Global Burden of Disease Study 2017 (GBD 2017) Results. Seattle, United States: Institute for Health Metrics and Evaluation (IHME), 2018.. Available from <http://vizhub.healthdata.org/gbd-compare/>

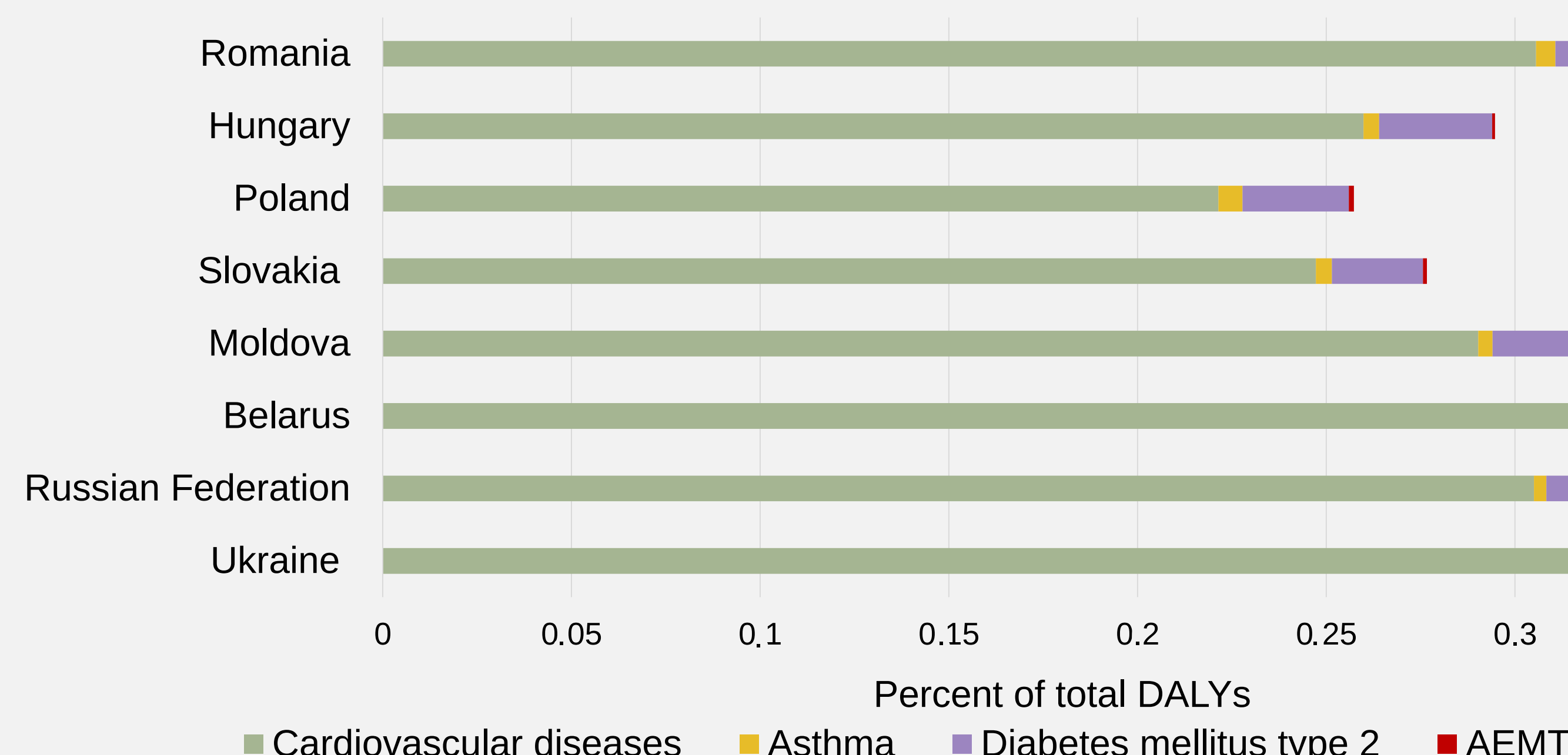
Since 2017, health care reform has been taking place in Ukraine. The essential medicines list (EML) was revised and harmonized with WHO recommendations. The governmental program "Affordable medicines" acts according to which costs for medicinal products from EML for three nosology – cardiovascular diseases, asthma and diabetes mellitus are reimbursing by the state.

Research results

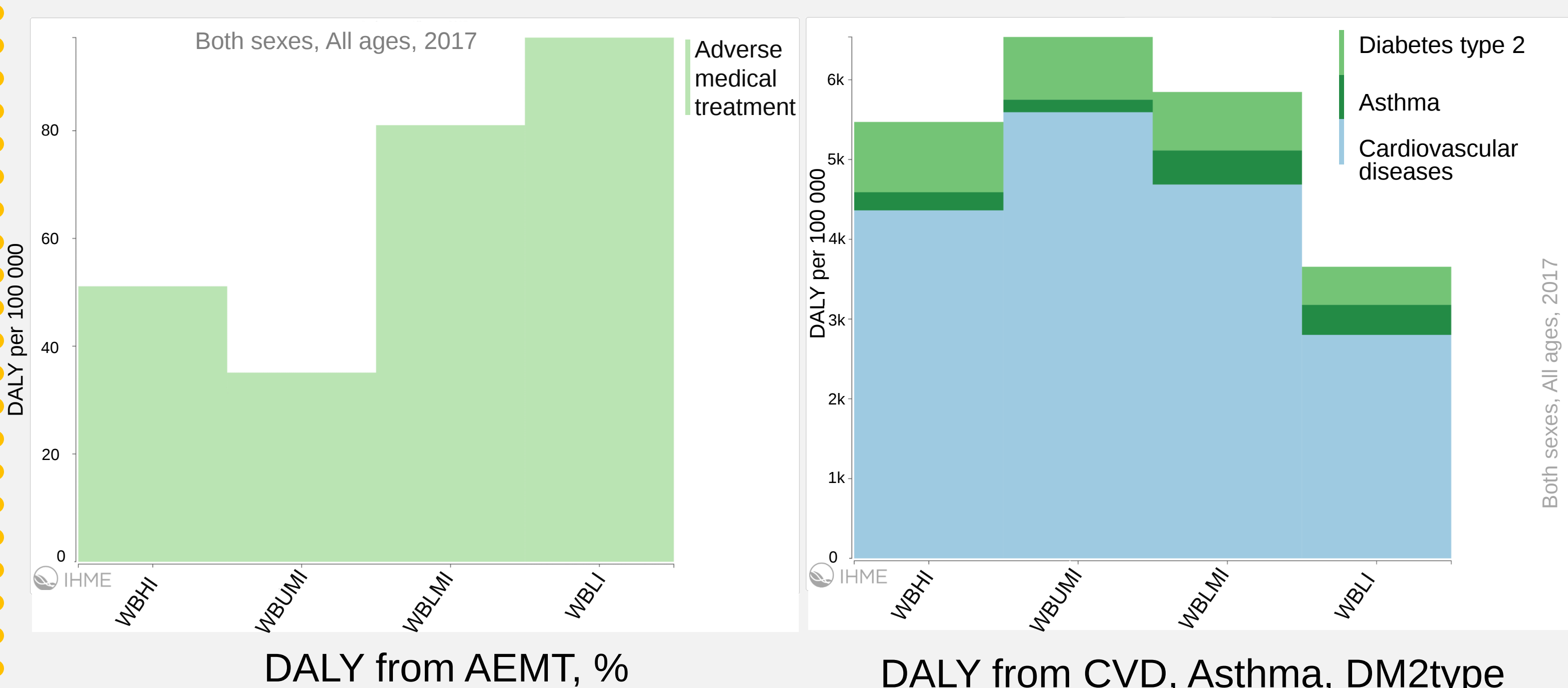
The analysis of AEMT dynamic in Ukraine and neighbor countries



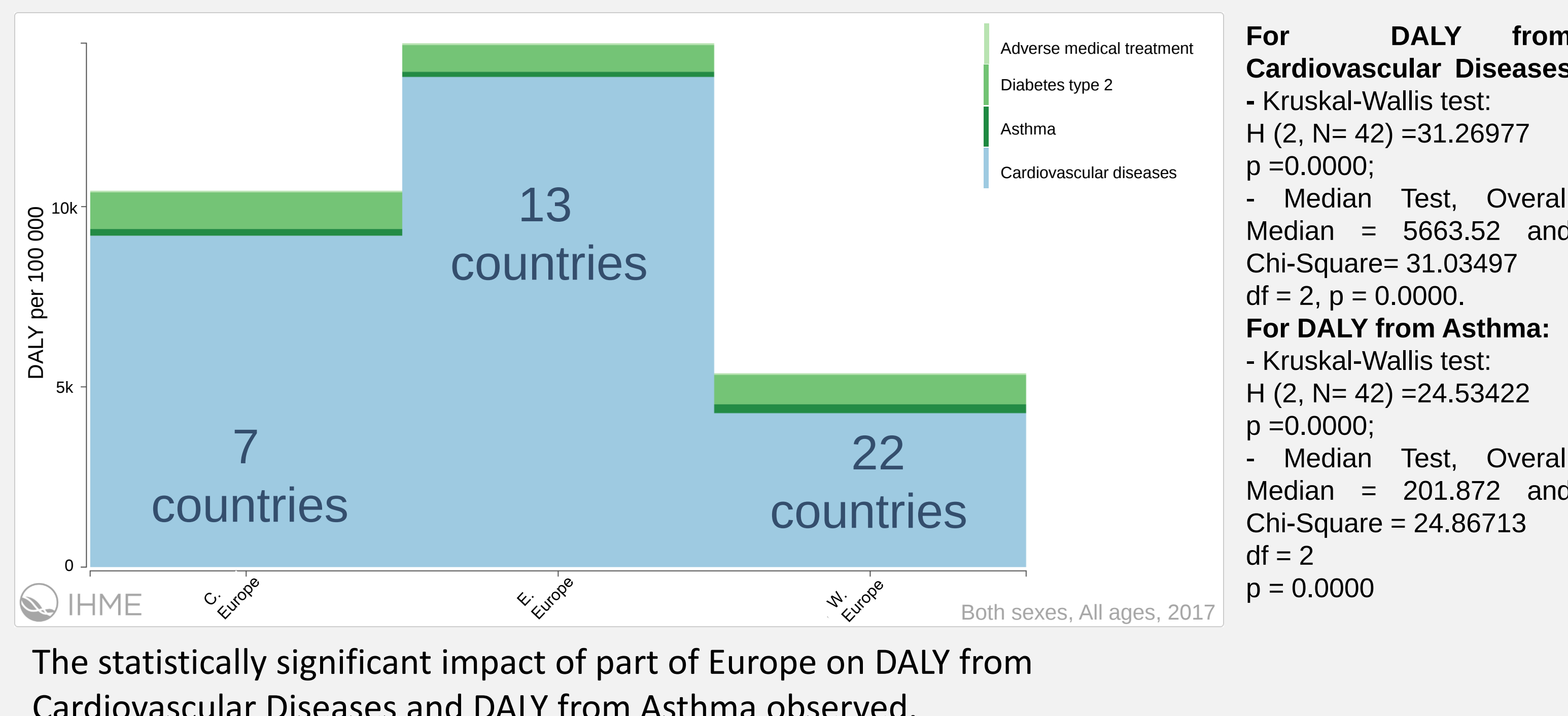
Total DALY in % in Ukraine



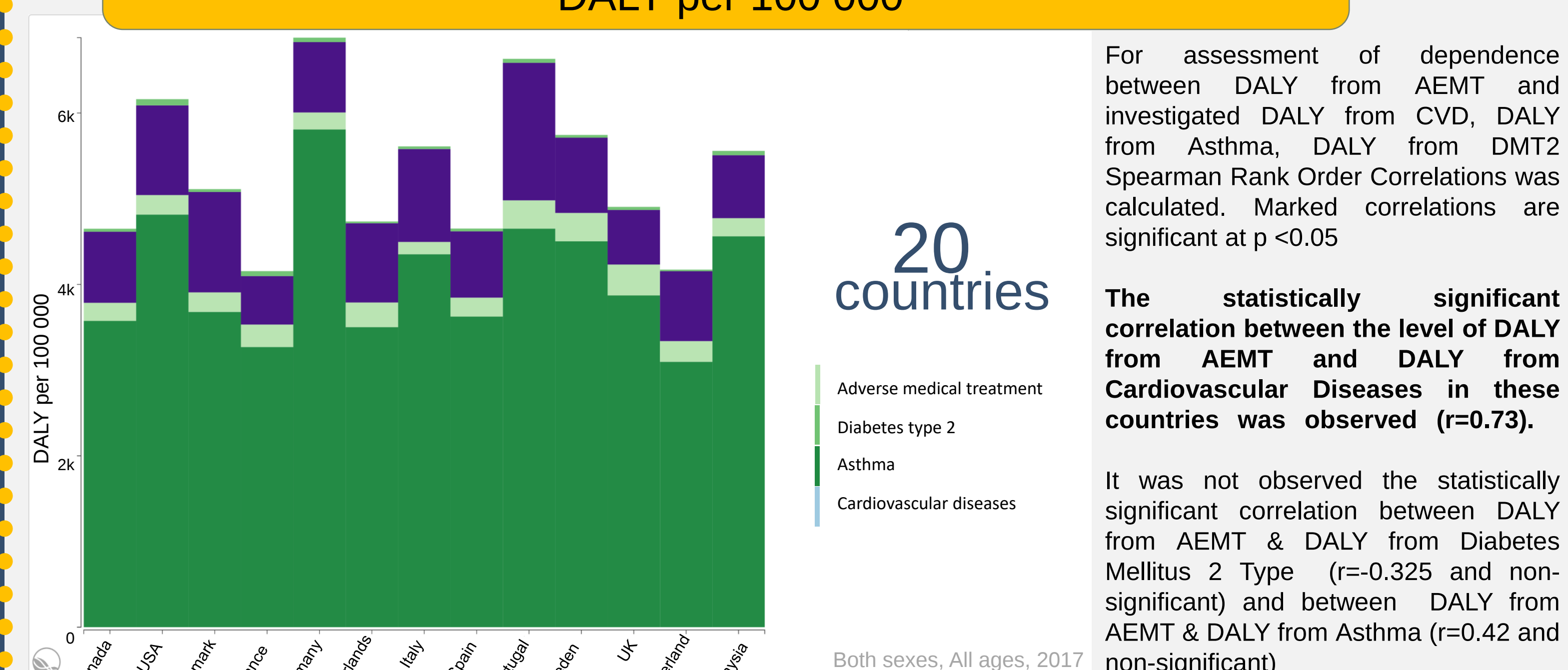
The analysis of the "income" factor influence on the DALY level (%)



The analysis of impact factor "Part of Europe" on DALY per 100 000



Analysis of impact factor "pharmaceutical care in country" on DALY per 100 000



Conclusions

1. It was established that the rate of DALY from AEMT has increased in Ukraine over the past 10 years by 1.5 times. However, this indicator for the closest neighbor countries remained stable or decreased over this period.
2. It is important to understand that the level of DALY from AEMT does not depend on the level of income of the country, but can affect the level of DALY from other diseases such as cardiovascular diseases, asthma, diabetes mellitus 2 types that require regular therapy throughout all patient's life.
3. The introduction of new programs of interaction between doctors, pharmacists, nurses, and caregivers becomes a solution to reduce DALY from AEMT and these diseases.
4. Decreasing of the DALY level from the influence of AEMT is an important and reasoned task for the Ukrainian health system, which needs a set of actions and multi-professional interaction to address it.