

HEALTH RESEARCH AND BIG DATA IN UKRAINE- PERSPECTIVES AND CONCERNS

AUTHOR(S)

Ratushna K, Dobrova V, Popov O

National University of Pharmacy, Kharkiv, Ukraine

PRESENTATION DOCUMENTS

Ratushna - Poster.pdf (https://www.ispor.org/docs/default-source/euro2019/ratushna---poster-pdf.pdf?sfvrsn=77ece5a0_0)

The big medical data constitute huge sets of information concerning population characteristics, information about risk factors, prognostic or predictive models, evaluation of healthcare providers, etc., that means integration of different datasets. Today the resources of health data become more numerous. Digital transformation of healthcare is a process that actively evolved during the last decade across the whole world.

In Ukraine it was started in 2018 and now it is in process. To date, the national public health database (eHealth) was developed and implemented and more than 24 billion patients (nearly 56% of the total population) have become covered by eHealth system. This reformation will provide exceptional opportunities for the use of medical big data in health economic and outcomes researches (HEOR). It would be possible to use real-world data, identify specific populations and to build dynamic models that could facilitate decision making in all key fields of Ukrainian healthcare. However, the application of big data concept in Ukraine has a range of limitations and raises some serious ethical concerns. The most important is a quality issue which is caused by a lack of rigorous scientific methodology in conducting such researches, technical obstacles in extracting data and managing datasets, assuring data completeness and accuracy. There is also a lot of ethical concerns stemmed from the release of personal data, lack of transparency, security issues. It is unclear how the concept of informed consent should be used, especially considering the fact that most data are identifiable and some of them might be generated from various sources including payment, administration information, and social media accounts.

Therefore, medical big data provide great perspectives for HEOR in Ukraine. However, it needs to study a range of ethical, methodological and legislative concerns and elaborate practical framework for prevention of its future undue using and misunderstanding.

CONFERENCE/VALUE IN HEALTH INFO

2019-11, ISPOR Europe 2019, Copenhagen, Denmark

CODE

PNS29

TOPIC

Medical Technologies, Organizational Practices, Real World Data & Information Systems

TOPIC SUBCATEGORY

Data Protection, Integrity, & Quality Assurance, Digital Health, Ethical

DISEASE

No Specific Disease

The Professional Society for Health Economics and Outcomes Research



Copyright © 2019 **ISPOR**. All rights reserved.

International Society for Pharmacoeconomics and Outcomes Research, Inc

Website Design & Development by **Matrix Group**