

Yuliia Sereda, PhD

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yulia.v.sereda@gmail.com

- Over 10 years of research and consulting in public health;
 - Consulting services for leading global players including Deloitte, UNDP, UNICEF and WHO;
 - Extensive experience of managing research activities, advanced data analysis and translating data into policy recommendations. Services include study design and protocol writing, primary & secondary research, exploratory data analysis, statistical modeling and forecasting, report writing;
 - Wide range of research objectives, including HIV/AIDS, TB and HCV services, monitoring & evaluation, key populations;
 - Designing and delivering workshops on quantitative data analysis and visualization.
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EDUCATION

State University of New York at Albany, USA

- Certificate Program on Epidemiology and Biostatistics, 08/2012-05/2013

V.N. Karazin Kharkiv National University, Ukraine

- PhD in Sociology, 2011
- MA in Sociology, 2007

PROFESSIONAL DEVELOPMENT

University of Washington

- Fundamentals of Implementation Science, 10-12/2016 (online course)
- 23rd Annual Principles of STD/HIV Research Course, 09-12/2015 (online course)

Ethical standards of research

- HIPAA and Research Data Security, 2019 (certificate: shorturl.at/bejoY)
- CITI Biomedical Researchers, 2019 (certificate: shorturl.at/fqwCQ)
- CITI Good Clinical Practice Biomedical Course, 2019 (certificate: shorturl.at/fgyX0)
- GCP - Social and Behavioral Research Best Practices for Clinical Research, 2019 (certificate: shorturl.at/btO45)

EMPLOYMENT HISTORY

Independent Research Consultant

Self-employed

02.2015 – to the present | Kiev, Ukraine

- **Research Consultant, Health Workforce Situational Analysis**
USAID Health Reform Support Project, Deloitte
04.2019 – present | Kiev, Ukraine
- **Individual Investigator within the study “Stigma, Risk Behaviors and Health Care among HIV-infected Russian People Who Inject Drugs (SCRIPT)”**
Boston Medical Center Corporation, USA
06.2019 – present | Kiev, Ukraine and St. Petersburg, Russia
- **Data Analyst, impact evaluation of the optimized HIV case-finding (OCF) and community-initiated treatment initiative (CITI)**
Alliance for Public Health
01.2019 – 02.2019 | Kiev, Ukraine

- **Quantitative Researcher, Project “Key Populations Implementation Science” (KPIS) - Improving treatment engagement and adherence for people who inject drugs in Ukraine**
 Ukrainian Institute on Public Health Policy and Alliance for Public Health
 12.2016 – 03.2019 | Kiev, Ukraine
- **Research consultant for the Armenian Structured Operational Research and Training Initiative (SORT IT)**
 FMD K&L
 11.2018 | Armenia, Yerevan
- **Temporary adviser for the European Tuberculosis Research Initiative (ERI-TB)**
 World Health Organization Regional Office for Europe
 10.2018 | Copenhagen, Denmark
- **Data Analyst, Project “Risk of HCV re-infection and regression of liver fibrosis among vulnerable populations received direct-acting antiviral treatment”**
 Alliance for Public Health
 08.2018 | Kiev, Ukraine
- **Research Consultant, Project “Health Systems strengthening for a sustainable HIV/AIDS response in Ukraine”**
 PrJSC “Deloitte & Touche USC”, under the terms of the HIV Reform in Action project
 03.2017– 07.2018 | Kiev, Ukraine
- **International expert on HIV assessment and survey, UNDP program “Support to the government to respond to HIV in Kyrgyz Republic”; developing a training course and training for UNDP partners**
 UNDP
 08-09.2017 | Bishkek, Kyrgyz Republic
- **Research Consultant, situation analysis of HIV/AIDS epidemic in Pervomaysk region**
 Pervomaysk charitable fund “Healthy nation”
 05–07.2017 | Kiev, Ukraine
- **Research Consultant, Project “The effectiveness of HCV treatment program for vulnerable populations under limited resources in Ukraine”**
 Alliance for Public Health
 12.2015 – 05.2017 | Kiev, Ukraine
- **Data Analysis Consultant, implementation science studies on two behavioral interventions for PLHV “Steps towards health” and “TB is Curable”**
 Pact Inc., implementer of the International Technical Assistance Project
 12.2016 – 03.2017 | Kiev, Ukraine
- **Data Analysis Consultant, Integrated bio-behavioral survey among female sex workers and people who inject drugs**
 Alliance for Public Health
 2007, 2013, 2015, 2018 | Kiev, Ukraine
- **Research Consultant, Projects “Get tested for HIV campaign” & “Knowledge hub”**
 UNICEF
 01.2016 | Kiev, Ukraine
- **National Consultant on regional triangulation in Cherkassy oblast**
 Alliance for Public Health
 05.2015 – 12.2015 | Kiev, Ukraine

- **Consultant on developing training module “Approaches to using strategic information at regional level” and developing HIV cascades for 8 regions in Ukraine**
Family Health International 360 (FHI 360) under the terms of the project “Improving HIV/AIDS Services for Key Populations in Ukraine” (RESPOND)
02.2015 – 08.2015 | Kiev, Ukraine

Senior Scientific Associate, Dept. of Monitoring-based Research on Social and Economic Transformations

Institute for Economics and Forecasting, National Academy of Sciences
07.2015 – 12.2015 | Kiev, Ukraine

Scientific Associate, Institute for Economics and Forecasting, National Academy of Sciences

Dept. of Monitoring-based Research on Social and Economic Transformations
2011 – 2015 | Kiev, Ukraine

Research Consultant (part-time)

Institute for Social Research after O. Yaremenko
2011–2015 | Kiev, Ukraine

Junior Scientific Associate, Dept. of Monitoring-based Research on Social and Economic Transformations

Institute for Economics and Forecasting, National Academy of Sciences
2007–2010 | Kiev, Ukraine

MAIN PROJECTS

“Improving Treatment Engagement and Adherence for People Who Inject Drugs in Ukraine (KPIS)”
for the Ukrainian Institute on Public Health Policy and Alliance for Public Health

KPIS study evaluates the effectiveness and costs of two existing strategies (The Community Initiated Treatment Intervention and Medication-assisted treatment) aiming to improve treatment engagement and outcomes for people who inject drugs in Ukraine.

Responsibilities within the project:

- management of quantitative study according to the protocol and work plan;
- facilitation of workshops, working meetings preparation;
- development of training materials and sessions for regional teams;
- participation in coordination meetings with project partners at the national level;
- coordination and implementation of data management, integration of datasets;
- development of quality assurance and quality control mechanisms, their implementation;
- interim and final data analysis, report and paper writing.

“Health Systems Strengthening for a Sustainable HIV/AIDS Response in Ukraine”

for the PrJSC “Deloitte & Touche USC”, HIV Research in Action project | 03.2017– 07.2018

The project included several research activities aimed at optimization of use of available human resources for health (HRH) to ensure effective and efficient response to HIV in Ukraine.

Responsibilities within the project:

Client Satisfaction Study and Cost Optimization Analysis Component

- analysis of links between accessibility, user-friendliness, confidentiality & privacy and satisfaction, structural equation modeling;
- analysis of correlations between perceived quality and costs;
- report and paper writing.

Analysis of HRH Requirements and HRH Optimization Component

- providing support in reviewing and finalizing the model for HRH demand estimations and HRH capacity analysis;
- developing regional HRH profiles, which provide visual and narrative information on HRH requirements estimated based on the projected demand in HIV services; current HRH capacities; analysis of the gap between demand and current capacities of a reference service provider/s/; and recommendations for addressing the potential gap, including through task-shifting both between and within facilities of different type (task shifting from one facility type to the other; task shifting between physician and nurses etc.);
- participating in regional HRH optimization consultations with stakeholders and presenting HRH modeling technical description and/or regional HRH projections for baseline and 90-90-90 scenarios.

“The Effectiveness of HCV Treatment Program for Vulnerable Populations Under Limited Resources in Ukraine”

for the Alliance for Public Health | 2015-2017

The prospective cohort study that evaluates the effectiveness of HCV treatment program with sofosbuvir in terms of sustained virologic response and adherence.

Responsibilities within the project:

- technical support in the preparation of the study protocol;
- development and adaptation of research instruments;
- development of training materials and sessions for regional teams;
- monitoring and evaluation of regional teams with respect to patient survey;
- moderation of focus-groups and in-depth interviews with stakeholders;
- data management, integration of survey dataset and medical routine data;
- data analysis;
- report writing.

HIV Prevention Among Most-At-Risk Adolescents in Ukraine and South-Eastern Europe

for UNICEF, as an employee of the National Academy of Sciences, Ukraine | 2008–2011, 2013 – 2015

Main objective was the analysis of the current situation with service delivery to most-at-risk adolescents, development and implementation of relevant interventions and improving stakeholders' communication.

Responsibilities within the project:

- coordination of monitoring and evaluation of interventions in 6 cities;
- development of research protocols, research designs, data collection strategies for data management;
- qualitative and quantitative data analysis, cost-effectiveness analysis;
- assisting in the training and supervision of research staff;
- providing workshops on internal monitoring and evaluation for service providers;
- preparation of reports and fact-sheets;
- presentation of results for stakeholders.

COMPETENCES:

- Development of study protocol including research design, sample methodology and data collection tools;
 - Quantitative data analysis: descriptive analysis, correlations, linear and non-linear regression analysis, factor analysis, cluster analysis, structural equation modelling, longitudinal data analysis (survival analysis, time-series), multilevel models, econometric models, classification trees and random forest.
 - Qualitative data analysis: content analysis, narrative analysis;
 - Statistical software: R, SPSS, RDS Analyst, SAS, Stata.
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TEACHING EXPERIENCE

04/2019: developing and delivering **Healthcare Analytic Course** at Master of Business Administration and Artificial Intelligence (MBAI) Program, Kyiv School of Economics, Kyiv, Ukraine.

11/2018: senior facilitator at 14-days' workshop "Structured Operational Research and Training Initiative" (Module 1&2) in Yerevan, Armenia; lectures and mentoring on **study protocol development and statistical analysis**.

10/2018: senior facilitator at 5-days' workshop of the European Tuberculosis Research Initiative (Module 2) in Copenhagen, Denmark; lectures and mentoring on **study protocol development and statistical analysis**.

01/2018: main facilitator at the 4-days' workshop "**Advanced statistical analysis in public health and reporting results in peer-reviewed journals**"; developed within METIDA Project, Public Health Alliance.

11/2017: guest lecturer at Kyiv Medical University of UAFM, Ukraine, 4 lectures on **quantitative study designs and statistical analysis for physicians**; developed within METIDA Project, Public Health Alliance.

09/2017: facilitator at the 5-days' workshop on **HIV assessment and survey**; developed for UNDP partners in Kyrgyz Republic.

03/2017: main facilitator at the 6-days' workshop "**Statistical analysis in public health using R**"; developed within METIDA Project, Public Health Alliance.

12/2016: main facilitator at the 6-days' workshop "**Statistical analysis in public health using R**"; developed within METIDA Project, Public Health Alliance.

09/2015: facilitator at the 5-days workshop "**Quantitative research: methods of data analysis**"; developed within METIDA Project of the International HIV/AIDS Alliance in Ukraine.

05/2015 and 07/2015: facilitator at the 5-days' workshop "**Basic course for data collection specialists in HIV/AIDS**"; developed within METIDA Project of the International HIV/AIDS Alliance in Ukraine.

06/2015: facilitator at the webinar "**HIV/AIDS data triangulation**"; developed for <http://knowledge.org.ua>.

03-04/2015 (two workshops): facilitator at the 2-days' workshop "**Use of strategic information in the area of HIV/AIDS**"; developed within the Family Health International 360.

02/2015: trainer at the webinar "**Monitoring and evaluation in the strategic planning cycle: recommendations for organizations and projects**"; developed for <http://knowledge.org.ua>.

11/2014: facilitator at the 5-days' workshop "**Theoretical foundations of interventions. Data collection tools and data analysis for the implementation of research ideas**"; developed within METIDA Project of the International HIV/AIDS Alliance in Ukraine.

06/2014: main facilitator at 20th AIDS International conference (Melbourne, Australia), scientific development workshop "**Making HIV-related maps in minutes: Indiemapper - free mapping tool for everyone**".

2013 – 2014: main facilitator on advanced statistical analysis in social sciences at the Higher School of Sociology (Institute of Sociology, Ukraine). Training courses:

"Introduction to data analysis in R"; "Multilevel models with mixed effects"; "Time series analysis"; "Survival analysis"; "Introduction to forecasting and prediction"; "Easy mapping".

WORKSHOPS, GRANTS

Travel grant for the 22nd International AIDS Conference
IAS I Amsterdam, Netherlands (2018)

Workshop "Writing up results of research studies" (5 days)
International Alliance for Public Health I Kiev, Ukraine (2017)

Workshop «Budget advocacy and assessment of investments and priorities in respect of services for prevention, diagnostics, treatment and care for HIV infection» (3 days)
 Eastern Europe and Central Asian Union of People Living with HIV (ECUO) | Kiev, Ukraine (2016)

METIDA Workshop “Data Analysis and Population Size estimations using RDS Analyst (RDS-A)” (6 days)
 METIDA Project of International Alliance for Public Health | Kiev, Ukraine (2015)

Travel grant for the 20th International AIDS Conference
 International AIDS Society | Melbourne, Australia (2014)

Grant for a research visit within the Project “Estimating female sex workers’ early HIV risk and the implications for HIV epidemic control: a multi-country observational and mathematical modeling study”
 University of Manitoba | Winnipeg, Canada (2014)

European Values Study Workshop “The future of values studies. methodological and substantive issues”
 (2 days), European Values Study Foundation | Bar, Montenegro (2013)

Workshop “Causal Models and Structural Equations” (5 days)
 Comparative Social Research Summer school | Saint-Petersburg, Russia (2012)

Grant for a research visit to European Data Laboratory for Comparative Social Research
 Leibniz Institute for the Social Sciences | Cologne, Germany (2012)

European Values Study Workshop dealing with value’s changes and multilevel analysis (2 days)
 European Values Study Foundation | Bilbao, Spain (2010)

European Values Study Workshop dealing with value’s changes and multilevel analysis (2 days)
 European Values Study Foundation | Zagreb, Croatia (2010)

Travel grant for the 21st International Harm Reduction Conference
 UNICEF | Liverpool, United Kingdom (2010)

Workshop ‘Developing plans for monitoring and evaluation to examine the impact of projects on health and behavior of Most-at-risk Adolescents’ (5 days)
 London School of Hygiene and Tropical Medicine | Kiev, Ukraine (2009)

EXAMPLES OF PUBLICATIONS

PAPERS

- First author:
 - Validity assessment of the symptom checklist SCL-90-R and shortened versions for the general population in Ukraine. *BMC psychiatry* (2016), Vol. 16(1).
- Co-author:
 - Perceived quality of HIV care and client satisfaction across different service providers in Ukraine. *European Journal of Public Health* (2019), ckz124.
 - Extended risk network testing to find HIV cases among key populations in Ukraine: predicting recruitment of HIV-positive clients with machine learning. *Journal of the International AIDS Society* (2018). Vol. 21.
 - History of injection drug use mediates the effect of project START intervention in men who were released from prison in Ukraine. *Drug and Alcohol Dependence* (2017), Vol. 171.
 - Street-based adolescents at high risk of HIV in Ukraine. *J Epidemiol Community Health* (2011), Vol. 65.12.

REPORTS

- First author:
 - Monitoring of behavior and HIV prevalence among sex workers (2015 Bio-Behavioral Survey), ICF “Alliance of Public Health”, 2016; available at shorturl.at/iCRZ1
 - Co-author:
 - HIV investment case study for Ukraine: evaluation of program costs, service quality, and recourse allocation for HIV expenditure in 2015. Kyiv: HIVRiA, 2018.
 - Perceived quality of HIV care across different service providers: Understanding what drives client satisfaction with HIV/AIDS services in three oblasts of Ukraine. Kyiv: HIVRiA, 2017; available at shorturl.at/jzIT4
 - Monitoring the behavior and HIV-infection prevalence among female sex workers as a component of HIV second generation surveillance (2013 Bio-Behavioral Survey), ICF “Alliance of Public Health”, 2014; summary is available at shorturl.at/bjtM3
 - Monitoring the behavior and HIV-infection prevalence among people who inject drugs as a component of HIV second generation surveillance (2013 Bio-Behavioral Survey), ICF “Alliance of Public Health”, 2014; summary is available at shorturl.at/fiKM5
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PROFESSIONAL AWARDS

- N. V. Panina's award “The best young sociologist, 2011”, Institute of sociology, National Academy of Sciences, Ukraine
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AFFILIATIONS

- International AIDS Society (2014-2015, 2018-2019)
 - International Sociological Association (2007-2011)
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LANGUAGES

- English (full professional proficiency)
- Ukrainian (native)
- Russian (native)