

Nikita Nekliudov

Senior Research Scientist | Real-World Evidence | Health Metrics

Seattle, WA

☎ +1 206 759 1414 • ✉ nikita@nikitanekliudov.com • LinkedIn | Google Scholar

Professional Summary

Physician and quantitative epidemiologist turning messy real-world data into population-scale evidence and top-tier publications. Working at the junction of clinical reasoning, advanced epidemiological methods, and data science, I have 5+ years of international experience turning multinational observational, claims, and EHR data into policymaking decisions and discoveries in population health.

Work Experience

Institute for Health Metrics and Evaluation (IHME), University of Washington

Seattle, WA

Postdoctoral Research Scientist, Clinical Informatics

2022 – Present

- **Led** global inpatient utilization modeling across 204 countries (1990–2023, by age and sex) from protocol to publication, integrating 1,315 data sources and a systematic review of 8,000+ government reports with six Bayesian modeling tools delivering the team's first capstone paper (under review, *The Lancet*).
- **Owned** the pipeline step producing modeled adjustments for 275 diseases and risk factors, processing 70M+ inpatient and claims observations across nine data sources in six countries (incl. CMS Medicare), introducing new validations, quality checks, and dashboard visualizations that improved disease burden estimate accuracy from hospital data across 60+ countries for the Global Burden of Disease Study (GBD) 2025 reducing anomalous estimates for 15 diseases.
- **Rebuilt** the inpatient utilization model, resolving systematic overestimation of disease burden from hospital data in 13 countries for the GBD 2023 and 2025 cycles.
- **Advised** research teams on ICD mapping, clinically appraising 100+ change requests as the hub between research, leadership, and data teams, improving clinical case definition accuracy for eight modeling teams.
- **Conceptualized and implemented** a data-agreement analysis using the concordance index on adjusted Norwegian hospital data across 150 diseases linked to inpatient/outpatient records, producing the first comprehensive evidence on inpatient data usability and GBD correction factor methodology (manuscript targeting *The Lancet*).
- **Designed** a novel healthcare system metric using stochastic frontier meta-analysis to quantify the efficiency of inpatient utilization in minimizing amenable mortality across 204 countries (1990–2023) enabling first-of-kind cross country efficiency benchmarking.
- **Led** the 160-member Early Career Researchers ERG, moderating researcher-led workshops raising member connection and engagement.

I.M. Sechenov First Moscow State Medical University

Moscow, Russia

Project Coordinator, StopCOVID Longitudinal Cohort Study

2020 – 2022

- **Led** electronic data capture of 3,480 EHR records from COVID-19 wards, mapping to ICD-10 per CDISC standards in collaboration with two global consortia (ISARIC, GBD) — producing the largest hospitalized COVID-19 cohort in Russia and a co-first-author publication in *Clinical Infectious Diseases* cited 97 times.
- **Directed** 90+ MD/PhD students and physicians to build EHR extraction and telephone-survey follow-up, generating 2,000+ patient records with 6- and 12-month longitudinal follow-up that underpinned two studies with 450+ combined citations.
- **Led** Russia's largest national cross-sectional survey on lockdown mental health across 23,756 respondents, authoring a first-author *JMIR* publication (168 citations) that identified vulnerable groups and effects of mitigation measures.
- **Secured and managed** two British Embassy Moscow research grants (£17,000), establishing a lasting institutional funding relationship.

The Core Outcome Measures for Food Allergy (COMFA) Consortium (COST Action CA18227)

Remote

Project Coordinator & Virtual Networking Support Manager

2019 – 2022

- **Authored** a global consensus study protocol to establish a core outcome set harmonizing food allergy studies reducing research waste and resulting in the published COMFA core outcome set (*Allergy*, 2024).

- **Coordinated** a 103 member global consortium across 43 countries, assisting with €500,000 grant reporting and convening meetings that drove 2-round Delphi consensus across
- **Led** the systematic evidence synthesis, developing two search strategies and overseeing screening/extraction for two systematic reviews informing the Delphi process.

Education

Erasmus University Rotterdam <i>PhD Candidate, Public Health</i>	Remote 2024 – 2027
University of Oxford, Nuffield Department of Population Health <i>MSc, Global Health Science and Epidemiology</i>	Oxford, UK 2021 – 2022
I.M. Sechenov First Moscow State Medical University <i>Doctor of Medicine (MD)</i>	Moscow, Russia 2015 – 2021
Philipps-University Marburg, School of Medicine <i>DAAD Exchange Student, Medicine</i>	Marburg, Germany 2019 – 2020

Teaching & Mentoring

- **Mentored** a Graduate Research Assistant with bi-weekly guidance on institutional navigation and funding applications.
- **Seminar Series Lead:** *Epidemiological Study Design*. MSc in Public Health, ITMO University, St. Petersburg.
- **Course Instructor:** *Descriptive and Inferential Statistics*. I.M. Sechenov First Moscow State Medical University.
- **Workshop Facilitator:** *Electronic Clinical Database Management and Data Wrangling*. Sechenov Database Project.
- **Organizer:** Virtual training school on Core Outcome Sets for clinical science.

Scholarships & Awards

- Two Research Grants, British Embassy Moscow (£17,000)
- German Academic Exchange Service (DAAD) Scholarship (€3,000)
- Scientific Contribution Reward, Sechenov University (2 consecutive years)
- Full-Tuition Merit-Based Scholarship, Sechenov University

Skills

Technical: R, Python, SQL, Bayesian modeling, descriptive and inferential statistics, association analysis, longitudinal modeling, survival analysis, ecological studies, cross-sectional studies, econometric frontier analysis, decomposition, data agreement analysis, meta-regression, real-world evidence (RWE/RWD), EHR, claims data, REDCap, systematic reviews, data visualization, interactive dashboards.

Languages: English (Proficient), Russian (Native), German (Proficient), Spanish (Advanced), French (Elementary).

Selected Conference Presentations & Invited Talks

- **Guest Talk**, kHOPE research group: *A Case Study in Harmonizing Non-Standardised Datasets within the GBD Framework*.
- **Oral Presentation**, 16th European Public Health Conference, Nov 2023: *Global, regional, and national estimates of inpatient utilization from 1990 to 2020*.
- **Invited Talk**, Sechenov University, May 2022: *Strategizing the research question and planning statistical analyses for observational studies*.

Selected Publications

21 full-text publications (excluding group authorship), 2,700+ citations, H-index 18; Full list is available via ORCID 0000-0002-4291-5052; 18 peer reviews available at Web of Science ADX-4512-2022

First & Co-first Author.....

- **Nekliudov et al.** Inpatient hospital admission rates for 204 countries and territories, 1990–2023: a systematic analysis for the Global Burden of Disease Study. (*The Lancet*, under review).
- **Nekliudov, et al.** Excessive media consumption about COVID-19 is associated with increased state anxiety: outcomes of a large online survey in Russia. *J Med Internet Res.* 2020.
- **Munblit*, Nekliudov*, Bugaeva* et al.** Stop COVID Cohort: An Observational Study of 3480 Patients Admitted to the Sechenov University Hospital Network in Moscow City for Suspected Coronavirus Disease 2019 (COVID-19) Infection. *Clin Infect Dis.* 2021.
- **Nekliudov et al.** Harmonizing population-level hospital datasets using claims and electronic health records to estimate annualized incidence and prevalence estimates for the Global Burden of Disease study. (In preparation).
- **Iakovleva*, Nekliudov* et al.** Analytical variability in estimates of post-COVID-19 condition in adults: a many-analyst study. (*European Respiratory Journal*, under review)
- **Nekliudov et al.** 3-row vs 2-row circular staplers for colorectal anastomosis formation after low anterior resection for rectal cancer. *Medicine (Baltimore).* 2019.

Co-Author.....

- Seylanova N, ..., **Nekliudov N**, et al. Core Outcome Measurement Set for Research and Clinical Practice in Post COVID-19 Condition (Long COVID) in Children and Young People: An International Delphi Consensus Study ‘PC-COS Children’. *European Respiratory Journal.* 2024.
- Demidova A, ..., **Nekliudov N**, et al. Core Outcome Set for Food Allergy Clinical Trials and Observational Studies of Interventions: International Delphi Consensus Study “COMFA”. *Allergy.* 2024 (accepted).
- Pazukhina E, ..., **Nekliudov N**, et al. Event rates and incidence of Post-COVID-19 condition in hospitalised SARS-CoV-2 positive children and young people and controls across different pandemic waves: exposure-stratified prospective cohort study in Moscow (StopCOVID). *BMC Med.* 2023.
- Bel Imam M, ..., **Nekliudov N**, et al. Outcomes reported in randomized controlled trials for mixed and non-IgE-mediated food allergy: Systematic review. *Clin Exp Allergy.* 2023.
- Pazukhina E, ..., **Nekliudov N**, et al. Prevalence and risk factors of post-COVID-19 condition in adults and children at 6 and 12 months after hospital discharge: a prospective, cohort study in Moscow (StopCOVID). *BMC Med.* 2022.
- O'Reilly D, ..., **Nekliudov N**, et al. Perspective: The Role of Human Breast-Milk Extracellular Vesicles in Child Health and Disease. *Adv Nutr.* 2021.
- Greenhawt M, ..., **Nekliudov N**, et al. Media Influence on Anxiety, Health Utility, and Health Beliefs Early in the SARS-CoV-2 Pandemic—a Survey Study. *J Gen Intern Med.* 2021
- Schoos AMM, ..., **Nekliudov N**, et al. Immunological Outcomes of Allergen-Specific Immunotherapy in Food Allergy. *Front Immunol.* 2020.

Selected Group Authorship.....

- **GBD 2023 Demographics Collaborators.** Global age-sex-specific all-cause mortality and life expectancy estimates for 204 countries and territories and 660 subnational locations, 1950–2023: a demographic analysis for the Global Burden of Disease Study 2023 *The Lancet.* 2025.
- **GBD 2023 Diarrhoeal Diseases and Enteric Infectious Diseases Collaborators.** Global burden of enteric infectious diseases, diarrhoeal diseases, and corresponding aetiologies, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023 *The Lancet Infectious Diseases.* 2026.
- **GBD 2023 Meningitis & Antimicrobial Resistance Collaborators.** Global, regional, and national burden of meningitis, its risk factors, and aetiologies, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023 *The Lancet Neurology.* 2026.
- **Global Burden of Disease Long COVID Collaborators.** Estimated global proportions of individuals with persistent fatigue, cognitive, and respiratory symptom clusters following symptomatic COVID-19 in 2020 and 2021 *JAMA.* 2022.